ATTACHMENT F

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GC Extractable Analysis
Pesticides

Pesticide QC Summary

Surrogate Recovery Summary
Form 2
Pesticides

Client: P. W. Grosser
Project Name: ROANOKE SAND AND GRAVEL

Lab Number: L2512368
Project Number: BSD1504
Matrix: Water

GC Column 1: CLPPesticides
GC Column 2: CLPPesticides

CLIENT ID (LAB SAMPLE NO.)	TCX 1 %REC	TCX 2 %REC	DCB 1 %REC	DCB 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
5A (L2512368-01)	49	69	65	73			0
5B (L2512368-02)	53	71	70	77			0
6A (L2512368-04)	54	72	79	86			0
6B (L2512368-05)	62	90	82	94			0
7A (L2512368-07)	76	89	67	71			0
7B (L2512368-08)	90	101	77	77			0
8A (L2512368-10)	80	87	73	71			0
8B (L2512368-11)	82	92	77	79			0
10A (L2512368-16)	92	93	86	81			0
10B (L2512368-17)	82	85	79	78			0
DUP001 (L2512368-19)	80	84	78	76			0
WG2037965-1BLANK	96	90	85	69			0
WG2037965-2LCS	84	88	76	72			0
WG2037965-3LCSD	86	84	81	72			0
8AMS	73	81	67	71			0
8AMSD	69	74	64	64			0
WG2038216-1BLANK	73	70	86	79			0
WG2038216-2LCS	69	65	90	81			0
WG2038216-3LCSD	87	85	78	75			0

QC LIMITS
(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE
(30-150) DCBP = DECACHLOROBIPHENYL

*** Values outside of QC limits**

FORM II NYTCL-8081-RVT

Laboratory Control Sample Summary
Form 3
Pesticides

Client : P. W. Grosser **Lab Number** : L2512368
Project Name : ROANOKE SAND AND GRAVEL **Project Number** : BSD1504
Matrix (Level) : WATER (LOW)
LCS Sample ID : WG2037965-2 **Analysis Date** : 03/08/25 07:37 **File ID** : 11250308a-08
LCSD Sample ID : WG2037965-3 **Analysis Date** : 03/08/25 07:48 **File ID** : 11250308a-09

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Delta-BHC	0.5	0.347	69	0.5	0.362	72	4	30-150	20
Lindane	0.5	0.462	92	0.5	0.492	98	6	30-150	20
Alpha-BHC	0.5	0.448	90	0.5	0.463	93	3	30-150	20
Beta-BHC	0.5	0.422	84	0.5	0.444	89	5	30-150	20
Heptachlor	0.5	0.402	80	0.5	0.482	96	18	30-150	20
Aldrin	0.5	0.403	81	0.5	0.426	85	6	30-150	20
Heptachlor epoxide	0.5	0.443	89	0.5	0.472	94	6	30-150	20
Endrin	0.5	0.485	97	0.5	0.519	104	7	30-150	20
Endrin aldehyde	0.5	0.385	77	0.5	0.398	80	3	30-150	20
Endrin ketone	0.5	0.510	102	0.5	0.531	106	4	30-150	20
Dieldrin	0.5	0.474	95	0.5	0.504	101	6	30-150	20
4,4'-DDE	0.5	0.438	88	0.5	0.467	93	6	30-150	20
4,4'-DDD	0.5	0.502	100	0.5	0.544	109	9	30-150	20
4,4'-DDT	0.5	0.482	96	0.5	0.518	104	8	30-150	20
Endosulfan I	0.5	0.432	86	0.5	0.460	92	6	30-150	20
Endosulfan II	0.5	0.464	93	0.5	0.492	98	6	30-150	20
Endosulfan sulfate	0.5	0.439	88	0.5	0.452	90	3	30-150	20
Methoxychlor	0.5	0.509P	102	0.5	0.526P	105	3	30-150	20
cis-Chlordane	0.5	0.374	75	0.5	0.401	80	7	30-150	20
trans-Chlordane	0.5	0.453	91	0.5	0.488	98	7	30-150	20

Laboratory Control Sample Summary
Form 3
Pesticides

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2038216-2	**Analysis Date** : 03/09/25 13:15	**File ID** : 20250308a-10
LCSD Sample ID	: WG2038216-3	**Analysis Date** : 03/09/25 13:27	**File ID** : 20250308a-11

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Delta-BHC	0.5	0.334	67	0.5	0.314	63	6	30-150	20
Lindane	0.5	0.419	84	0.5	0.394	79	6	30-150	20
Alpha-BHC	0.5	0.432	86	0.5	0.409	82	5	30-150	20
Beta-BHC	0.5	0.406	81	0.5	0.389	78	4	30-150	20
Heptachlor	0.5	0.354	71	0.5	0.371	74	5	30-150	20
Aldrin	0.5	0.339	68	0.5	0.342	68	1	30-150	20
Heptachlor epoxide	0.5	0.393	79	0.5	0.371	74	6	30-150	20
Endrin	0.5	0.393	79	0.5	0.376	75	4	30-150	20
Endrin aldehyde	0.5	0.342	68	0.5	0.331	66	3	30-150	20
Endrin ketone	0.5	0.391	78	0.5	0.367	73	6	30-150	20
Dieldrin	0.5	0.423	85	0.5	0.396	79	7	30-150	20
4,4'-DDE	0.5	0.387	77	0.5	0.363	73	6	30-150	20
4,4'-DDD	0.5	0.409	82	0.5	0.387	77	6	30-150	20
4,4'-DDT	0.5	0.352	70	0.5	0.349	70	1	30-150	20
Endosulfan I	0.5	0.381	76	0.5	0.335	67	13	30-150	20
Endosulfan II	0.5	0.394	79	0.5	0.370	74	6	30-150	20
Endosulfan sulfate	0.5	0.363	73	0.5	0.344	69	5	30-150	20
Methoxychlor	0.5	0.342	68	0.5	0.330	66	4	30-150	20
cis-Chlordane	0.5	0.360	72	0.5	0.330	66	9	30-150	20
trans-Chlordane	0.5	0.439	88	0.5	0.451	90	3	30-150	20

Matrix Spike Sample Summary
Form 3
Pesticides

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: 8A	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2512368-10	**Analysis Date**	: 03/08/25 08:24
Matrix Spike	: WG2037965-4	**MS Analysis Date**	: 03/08/25 08:36
Matrix Spike Dup	: WG2037965-5	**MSD Analysis Date**	: 03/08/25 08:47

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
4,4'-DDT	ND	0.5	0.419	84	0.5	0.398	80	5	30-150	30

Matrix Spike Sample Summary
Form 3
Pesticides

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: 8A	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2512368-10	**Analysis Date**	: 03/08/25 08:24
Matrix Spike	: WG2037965-4	**MS Analysis Date**	: 03/08/25 08:36
Matrix Spike Dup	: WG2037965-5	**MSD Analysis Date**	: 03/08/25 08:47

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Delta-BHC	ND	0.5	0.350	70	0.5	0.352	70	1	30-150	30
Lindane	ND	0.5	0.448	90	0.5	0.437	87	2	30-150	30
Alpha-BHC	ND	0.5	0.418	84	0.5	0.420	84	0	30-150	30
Beta-BHC	ND	0.5	0.408	82	0.5	0.408	82	0	30-150	30
Heptachlor	ND	0.5	0.397	79	0.5	0.382	76	4	30-150	30
Aldrin	ND	0.5	0.377	75	0.5	0.368	74	2	30-150	30
Heptachlor epoxide	ND	0.5	0.419	84	0.5	0.410	82	2	30-150	30
Endrin	ND	0.5	0.466	93	0.5	0.446	89	4	30-150	30
Endrin aldehyde	ND	0.5	0.380	76	0.5	0.355	71	7	30-150	30
Endrin ketone	ND	0.5	0.514	103	0.5	0.494	99	4	30-150	30
Dieldrin	ND	0.5	0.444	89	0.5	0.437	87	2	30-150	30
4,4'-DDE	ND	0.5	0.400	80	0.5	0.390	78	3	30-150	30
4,4'-DDD	ND	0.5	0.473	95	0.5	0.464	93	2	30-150	30
Endosulfan I	ND	0.5	0.410	82	0.5	0.408	82	0	30-150	30
Endosulfan II	ND	0.5	0.446	89	0.5	0.433	87	3	30-150	30
Endosulfan sulfate	ND	0.5	0.416	83	0.5	0.407	81	2	30-150	30
Methoxychlor	ND	0.5	0.479P	96	0.5	0.451P	90	6	30-150	30
cis-Chlordane	ND	0.5	0.350	70	0.5	0.348	70	1	30-150	30
trans-Chlordane	ND	0.5	0.423	85	0.5	0.419	84	1	30-150	30

Method Blank Summary
Form 4
Pesticides

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab Sample ID	: WG2037965-1	**Lab File ID**	: 11250308a-07
Matrix	: WATER	**Extraction Date**	: 03/07/25
Analysis Date (1)	: 03/08/25 07:25	**Analysis Date (2)**	: 03/08/25 07:25
Instrument ID (1)	: PEST11	**Instrument ID (2)**	: PEST11

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG2037965-2LCS	WG2037965-2	03/08/25 07:37	03/08/25 07:37
WG2037965-3LCSD	WG2037965-3	03/08/25 07:48	03/08/25 07:48
7A	L2512368-07	03/08/25 08:00	03/08/25 08:00
7B	L2512368-08	03/08/25 08:12	03/08/25 08:12
8A	L2512368-10	03/08/25 08:24	03/08/25 08:24
8AMS	WG2037965-4	03/08/25 08:36	03/08/25 08:36
8AMSD	WG2037965-5	03/08/25 08:47	03/08/25 08:47
8B	L2512368-11	03/08/25 08:59	03/08/25 08:59
10A	L2512368-16	03/08/25 09:11	03/08/25 09:11
10B	L2512368-17	03/08/25 09:23	03/08/25 09:23
DUP001	L2512368-19	03/08/25 09:35	03/08/25 09:35

Method Blank Summary
Form 4
Pesticides

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab Sample ID	: WG2038216-1	**Lab File ID**	: 20250308a-09
Matrix	: WATER	**Extraction Date**	: 03/09/25
Analysis Date (1)	: 03/09/25 13:02	**Analysis Date (2)**	: 03/09/25 13:02
Instrument ID (1)	: PEST20	**Instrument ID (2)**	: PEST20

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG2038216-2LCS	WG2038216-2	03/09/25 13:15	03/09/25 13:15
WG2038216-3LCSD	WG2038216-3	03/09/25 13:27	03/09/25 13:27
5A	L2512368-01	03/10/25 09:08	03/10/25 09:08
5B	L2512368-02	03/10/25 09:19	03/10/25 09:19
6A	L2512368-04	03/10/25 09:29	03/10/25 09:29
6B	L2512368-05	03/10/25 09:40	03/10/25 09:40

Analytical Sequence
Form 8b
Pesticides

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: PEST11	**Initial Calib. Date(s)**	: 01/06/25 01/06/25

Client ID	Lab ID	Date/Time Analyzed
R1919267-1 PEM	R1919267-1	01/06/25 12:35
Pesticides L1 (0.5ug/L)	R1919267-2	01/06/25 12:47
Pesticides L2 (1.0ug/L)	R1919267-3	01/06/25 12:59
Pesticides L3 (2.0ug/L)	R1919267-4	01/06/25 13:11
Pesticides L4 (3.0ug/L)	R1919267-5	01/06/25 13:22
Pesticides L5 (4.0ug/L)	R1919267-6	01/06/25 13:34
Pesticides L7 (10.0ug/L)	R1919267-7	01/06/25 13:46
Pesticides L8 (50.0ug/L)	R1919267-8	01/06/25 13:58
Pesticides L9 (100ug/L)	R1919267-9	01/06/25 14:10
Pesticides L10 (200ug/L)	R1919267-10	01/06/25 14:22
Pesticides L11 (400ug/L)	R1919267-11	01/06/25 14:34
R1919267-12 ICV	R1919267-12	01/06/25 14:45
Chlordane L2 (10ug/L)	R1919267-13	01/06/25 14:57
Chlordane L3 (20ug/L)	R1919267-14	01/06/25 15:09
Chlordane L4 (50ug/L)	R1919267-17	01/06/25 15:21
Chlordane L5 (100ug/L)	R1919267-16	01/06/25 15:33
Chlordane L7 (500ug/L)	R1919267-15	01/06/25 15:45
Chlordane L8 (1000ug/L)	R1919267-19	01/06/25 15:56
Chlordane L9 (2000ug/L)	R1919267-18	01/06/25 16:08
Chlordane L10 (5000ug/L)	R1919267-20	01/06/25 16:20
R1919267-21 ICV	R1919267-21	01/06/25 16:32
Toxaphene L3 (20.0ug/L)	R1919267-22	01/06/25 16:44
Toxaphene L4 (100ug/L)	R1919267-23	01/06/25 16:56
Toxaphene L7 (1000ug/L)	R1919267-24	01/06/25 17:07
Toxaphene L8 (2000ug/L)	R1919267-25	01/06/25 17:19
Toxaphene L9 (5000ug/L)	R1919267-26	01/06/25 17:31
R1919267-27 ICV	R1919267-27	01/06/25 17:43
R1938251-1 PEM	R1938251-1	03/08/25 05:46
WG2038031-1 CCAL	WG2038031-1	03/08/25 05:58
WG2038031-2 CCAL	WG2038031-2	03/08/25 06:10
WG2038031-3 CCAL	WG2038031-3	03/08/25 06:22
WG2037965-1 BLANK	WG2037965-1	03/08/25 07:25
WG2037965-2 LCS	WG2037965-2	03/08/25 07:37
WG2037965-3 LCSD	WG2037965-3	03/08/25 07:48
7A	L2512368-07	03/08/25 08:00
7B	L2512368-08	03/08/25 08:12
8A	L2512368-10	03/08/25 08:24
8A MS	WG2037965-4	03/08/25 08:36
8A MSD	WG2037965-5	03/08/25 08:47
8B	L2512368-11	03/08/25 08:59
10A	L2512368-16	03/08/25 09:11
10B	L2512368-17	03/08/25 09:23

Analytical Sequence
Form 8b
Pesticides

Client	**: P. W. Grosser**	**Lab Number**	**: L2512368**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: PEST11**	**Initial Calib. Date(s)**	**: 01/06/25 01/06/25**

Client ID	Lab ID	Date/Time Analyzed
DUP001	L2512368-19	03/08/25 09:35

Analytical Sequence
Form 8b
Pesticides

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: PEST20	**Initial Calib. Date(s)**	: 01/03/25 01/03/25

Client ID	Lab ID	Date/Time Analyzed
R1918572-1 PEM	R1918572-1	01/03/25 11:52
Pesticides L1 (0.5ug/L)	R1918572-2	01/03/25 12:04
Pesticides L2 (1.0ug/L)	R1918572-3	01/03/25 12:17
Pesticides L3 (2.0ug/L)	R1918572-4	01/03/25 12:29
Pesticides L4 (3.0ug/L)	R1918572-5	01/03/25 12:41
Pesticides L5 (4.0ug/L)	R1918572-6	01/03/25 12:54
Pesticides L7 (10.0ug/L)	R1918572-7	01/03/25 13:06
Pesticides L8 (50.0ug/L)	R1918572-8	01/03/25 13:19
Pesticides L9 (100ug/L)	R1918572-9	01/03/25 13:31
Pesticides L10 (200ug/L)	R1918572-10	01/03/25 13:43
Pesticides L11 (400ug/L)	R1918572-11	01/03/25 13:56
R1918572-12 ICV	R1918572-12	01/03/25 14:08
Chlordane L2 (10ug/L)	R1918572-14	01/03/25 14:21
Chlordane L3 (20ug/L)	R1918572-13	01/03/25 14:33
Chlordane L4 (50ug/L)	R1918572-15	01/03/25 14:45
Chlordane L5 (100ug/L)	R1918572-16	01/03/25 14:58
Chlordane L7 (500ug/L)	R1918572-17	01/03/25 15:10
Chlordane L8 (1000ug/L)	R1918572-18	01/03/25 15:23
Chlordane L9 (2000ug/L)	R1918572-19	01/03/25 15:35
R1918572-22 ICV	R1918572-22	01/03/25 16:00
Toxaphene L3 (20.0ug/L)	R1918572-21	01/03/25 16:12
Toxaphene L4 (100ug/L)	R1918572-23	01/03/25 16:25
Toxaphene L7 (1000ug/L)	R1918572-24	01/03/25 16:37
Toxaphene L8 (2000ug/L)	R1918572-26	01/03/25 16:50
Toxaphene L9 (5000ug/L)	R1918572-25	01/03/25 17:02
R1918572-27 ICV	R1918572-27	01/03/25 17:14
R1938513-1 PEM	R1938513-1	03/09/25 11:08
WG2038287-1 CCAL	WG2038287-1	03/09/25 11:21
WG2038287-3 CCAL	WG2038287-3	03/09/25 11:45
WG2038287-2 CCAL	WG2038287-2	03/09/25 12:22
WG2038216-1 BLANK	WG2038216-1	03/09/25 13:02
WG2038216-2 LCS	WG2038216-2	03/09/25 13:15
WG2038216-3 LCSD	WG2038216-3	03/09/25 13:27

Analytical Sequence
Form 8b
Pesticides

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: PEST10	**Initial Calib. Date(s)**	: 12/12/24 12/13/24

Client ID	Lab ID	Date/Time Analyzed
R1911773-1 PEM	R1911773-1	12/12/24 19:34
Pesticides L1 (0.5ug/L)	R1911773-2	12/12/24 19:45
Pesticides L2 (1.0ug/L)	R1911773-3	12/12/24 19:56
Pesticides L3 (2.0ug/L)	R1911773-4	12/12/24 20:07
Pesticides L4 (3.0ug/L)	R1911773-5	12/12/24 20:18
Pesticides L5 (4.0ug/L)	R1911773-6	12/12/24 20:29
Pesticides L7 (10.0ug/L)	R1911773-7	12/12/24 20:41
Pesticides L8 (50.0ug/L)	R1911773-8	12/12/24 20:51
Pesticides L9 (100ug/L)	R1911773-9	12/12/24 21:03
Pesticides L10 (200ug/L)	R1911773-10	12/12/24 21:14
Pesticides L11 (400ug/L)	R1911773-11	12/12/24 21:25
Chlordane L2 (10ug/L)	R1911773-12	12/12/24 21:47
Chlordane L3 (20ug/L)	R1911773-14	12/12/24 21:58
Chlordane L4 (50ug/L)	R1911773-15	12/12/24 22:09
Chlordane L5 (100ug/L)	R1911773-16	12/12/24 22:20
Chlordane L7 (500ug/L)	R1911773-17	12/12/24 22:31
Chlordane L8 (1000ug/L)	R1911773-18	12/12/24 22:42
Chlordane L9 (2000ug/L)	R1911773-19	12/12/24 22:53
R1911773-21 ICV	R1911773-21	12/12/24 23:15
Toxaphene L3 (20.0ug/L)	R1911773-22	12/12/24 23:26
Toxaphene L4 (100ug/L)	R1911773-23	12/12/24 23:37
Toxaphene L7 (1000ug/L)	R1911773-24	12/12/24 23:48
Toxaphene L8 (2000ug/L)	R1911773-25	12/12/24 23:59
Toxaphene L9 (5000ug/L)	R1911773-26	12/13/24 00:10
R1911773-27 ICV	R1911773-27	12/13/24 00:21
R1911773-28 PEM	R1911773-28	12/13/24 16:00
R1911773-29 ICV	R1911773-29	12/13/24 16:11
R1938564-1 PEM	R1938564-1	03/10/25 05:49
WG2038433-1 CCAL	WG2038433-1	03/10/25 06:00
WG2038433-3 CCAL	WG2038433-3	03/10/25 06:22
WG2038433-2 CCAL	WG2038433-2	03/10/25 06:52
5A	L2512368-01	03/10/25 09:08
5B	L2512368-02	03/10/25 09:19
6A	L2512368-04	03/10/25 09:29
6B	L2512368-05	03/10/25 09:40

Date Created: 03/07/23
Created By: Jason Hebert
File: PM14022-1
Page: 1

Pesticides - EPA 8081B (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - Glass 250ml/8oz unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Delta-BHC	319-86-8	1.6008	0.31349	ug/kg	30-150	30	30-150	50	50			
Lindane	58-89-9	0.667	0.298149	ug/kg	30-150	30	30-150	50	50			
Alpha-BHC	319-84-6	0.667	0.189428	ug/kg	30-150	30	30-150	50	50			
Beta-BHC	319-85-7	1.6008	0.60697	ug/kg	30-150	30	30-150	50	50			
Heptachlor	76-44-8	0.8004	0.358846	ug/kg	30-150	30	30-150	50	50			
Aldrin	309-00-2	1.6008	0.563615	ug/kg	30-150	30	30-150	50	50			
Heptachlor epoxide	1024-57-3	3.0015	0.90045	ug/kg	30-150	30	30-150	50	50			
Endrin	72-20-8	0.667	0.27347	ug/kg	30-150	30	30-150	50	50			
Endrin aldehyde	7421-93-4	2.001	0.70035	ug/kg	30-150	30	30-150	50	50			
Endrin ketone	53494-70-5	1.6008	0.412206	ug/kg	30-150	30	30-150	50	50			
Dieldrin	60-57-1	1.0005	0.50025	ug/kg	30-150	30	30-150	50	50			
4,4'-DDE	72-55-9	1.6008	0.370185	ug/kg	30-150	30	30-150	50	50			
4,4'-DDD	72-54-8	1.6008	0.570952	ug/kg	30-150	30	30-150	50	50			
4,4'-DDT	50-29-3	3.0015	1.28731	ug/kg	30-150	30	30-150	50	50			
Endosulfan I	959-98-8	1.6008	0.378189	ug/kg	30-150	30	30-150	50	50			
Endosulfan II	33213-65-9	1.6008	0.534934	ug/kg	30-150	30	30-150	50	50			
Endosulfan sulfate	1031-07-8	0.667	0.317492	ug/kg	30-150	30	30-150	50	50			
Methoxychlor	72-43-5	3.0015	0.9338	ug/kg	30-150	30	30-150	50	50			
Toxaphene	8001-35-2	30.015	8.4042	ug/kg	30-150	30	30-150	50	50			
Chlordane	57-74-9	13.34	5.30265	ug/kg	30-150	30	30-150	50	50			
cis-Chlordane	5103-71-9	2.001	0.557612	ug/kg	30-150	30	30-150	50	50			
trans-Chlordane	5103-74-2	2.001	0.528264	ug/kg	30-150	30	30-150	50	50			
2,4,5,6-Tetrachloro-m-xylene	*877-09-8*									*30-150*		
Decachlorobiphenyl	*2051-24-3*									*30-150*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Date Created: 03/07/23
Created By: Jason Hebert
File: PM14021-1
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Pesticides - EPA 8081B (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 120ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Delta-BHC	319-86-8	0.02	0.00467	ug/l	30-150	20	30-150	30	30			
Lindane	58-89-9	0.02	0.00434	ug/l	30-150	20	30-150	30	30			
Alpha-BHC	319-84-6	0.02	0.00439	ug/l	30-150	20	30-150	30	30			
Beta-BHC	319-85-7	0.02	0.0056	ug/l	30-150	20	30-150	30	30			
Heptachlor	76-44-8	0.02	0.0031	ug/l	30-150	20	30-150	30	30			
Aldrin	309-00-2	0.02	0.00216	ug/l	30-150	20	30-150	30	30			
Heptachlor epoxide	1024-57-3	0.02	0.00415	ug/l	30-150	20	30-150	30	30			
Endrin	72-20-8	0.04	0.00429	ug/l	30-150	20	30-150	30	30			
Endrin aldehyde	7421-93-4	0.04	0.0081	ug/l	30-150	20	30-150	30	30			
Endrin ketone	53494-70-5	0.04	0.00477	ug/l	30-150	20	30-150	30	30			
Dieldrin	60-57-1	0.04	0.00429	ug/l	30-150	20	30-150	30	30			
4,4'-DDE	72-55-9	0.04	0.00381	ug/l	30-150	20	30-150	30	30			
4,4'-DDD	72-54-8	0.04	0.00464	ug/l	30-150	20	30-150	30	30			
4,4'-DDT	50-29-3	0.04	0.00432	ug/l	30-150	20	30-150	30	30			
Endosulfan I	959-98-8	0.02	0.00345	ug/l	30-150	20	30-150	30	30			
Endosulfan II	33213-65-9	0.04	0.00519	ug/l	30-150	20	30-150	30	30			
Endosulfan sulfate	1031-07-8	0.04	0.00481	ug/l	30-150	20	30-150	30	30			
Methoxychlor	72-43-5	0.2	0.00684	ug/l	30-150	20	30-150	30	30			
Toxaphene	8001-35-2	0.2	0.0627	ug/l	30-150	20	30-150	30	30			
Chlordane	57-74-9	0.2	0.0463	ug/l	40-140	20	30-150	30	30			
cis-Chlordane	5103-71-9	0.02	0.00666	ug/l	30-150	20	30-150	30	30			
trans-Chlordane	5103-74-2	0.02	0.00627	ug/l	30-150	20	30-150	30	30			
2,4,5,6-Tetrachloro-m-xylene	*877-09-8*									*30-150*		
Decachlorobiphenyl	*2051-24-3*									*30-150*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Method Detection Limit - Spike Replicates (MDLs)
Pace Analytical Services
Westborough, MA

EPA 608.3, EPA 8081B, Liquid Compound - Channel A	Units	Target Concentration	Mean (x)	% Recovery	Standard Deviation (S)	Number of Replicates	Student t-value (t)	MDLs	LOQ	Comments
Alpha-BHC	ug/l	0.010	0.0066	66%	0.0016	8	3.00	0.0048	0.010	
Delta-BHC	ug/l	0.010	0.0083	83%	0.0020	8	3.00	0.0059	0.010	
Dieldrin	ug/l	0.010	0.0103	103%	0.0013	8	3.00	0.0040	0.010	
Endosulfan I	ug/l	0.010	0.0086	86%	0.0016	8	3.00	0.0047	0.010	
Heptachlor	ug/l	0.010	0.0090	90%	0.0014	8	3.00	0.0043	0.010	
Heptachlor epoxide	ug/l	0.010	0.0095	95%	0.0013	8	3.00	0.0038	0.010	
Gamma-BHC (Lindane)	ug/l	0.010	0.0083	83%	0.0016	8	3.00	0.0049	0.010	
Aldrin	ug/l	0.010	0.0071	71%	0.0016	8	3.00	0.0048	0.010	

EPA 608.3, EPA 8081B, Liquid Compound - Channel B	Units	Target Concentration	Mean (x)	% Recovery	Standard Deviation (S)	Number of Replicates	Student t-value (t)	MDLs	LOQ	Comments
Alpha-BHC	ug/l	0.010	0.0078	78%	0.0011	8	3.00	0.0032	0.010	
Delta-BHC	ug/l	0.010	0.0078	78%	0.0013	8	3.00	0.0040	0.010	
Dieldrin	ug/l	0.010	0.0101	101%	0.0014	8	3.00	0.0043	0.010	
Endosulfan I	ug/l	0.010	0.0090	90%	0.0012	8	3.00	0.0037	0.010	
Heptachlor	ug/l	0.010	0.0091	91%	0.0016	8	3.00	0.0047	0.010	
Heptachlor epoxide	ug/l	0.010	0.0091	91%	0.0015	8	3.00	0.0045	0.010	
Gamma-BHC (Lindane)	ug/l	0.010	0.0082	82%	0.0008	8	3.00	0.0025	0.010	
Aldrin	ug/l	0.010	0.0080	80%	0.0017	8	3.00	0.0051	0.010	

EPA 608.3, EPA 8081B, Liquid Compound - Channel A	Units	Target Concentration	Mean (x)	% Recovery	Standard Deviation (S)	Number of Replicates	Student t-value (t)	MDLs	LOQ	Comments
4,4'-DDD	ug/l	0.020	0.0179	90%	0.0019	8	3.00	0.0058	0.020	
4,4'-DDE	ug/l	0.020	0.0162	81%	0.0021	8	3.00	0.0062	0.020	
4,4'-DDT	ug/l	0.020	0.0166	83%	0.0045	8	3.00	0.0134	0.020	
Alachlor	ug/l	0.020	0.0227	114%	0.0050	8	3.00	0.0151	0.020	
Endosulfan II	ug/l	0.020	0.0190	95%	0.0017	8	3.00	0.0051	0.020	
Endosulfan sulfate	ug/l	0.020	0.0183	91%	0.0015	8	3.00	0.0045	0.020	
Endrin	ug/l	0.020	0.0183	91%	0.0017	8	3.00	0.0052	0.020	
Endrin aldehyde	ug/l	0.020	0.0177	89%	0.0029	8	3.00	0.0087	0.020	
Endrin ketone	ug/l	0.020	0.0215	107%	0.0043	8	3.00	0.0130	0.020	
Methoxychlor	ug/l	0.020	0.0164	82%	0.0047	8	3.00	0.0141	0.020	
Beta-BHC	ug/l	0.020	0.0230	115%	0.0047	8	3.00	0.0141	0.020	
Alpha-chlordane (cis)	ug/l	0.020	0.0188	94%	0.0014	8	3.00	0.0041	0.020	
Hexachlorobenzene	ug/l	0.020	0.0216	108%	0.0048	8	3.00	0.0144	0.020	
Gamma-chlordane (trans)	ug/l	0.020	0.0222	111%	0.0034	8	3.00	0.0102	0.020	
Mirex	ug/l	0.020	0.0199	100%	0.0052	8	3.00	0.0156	0.020	

Prep Method: EPA 3510C
Initial Weight / Volume: 100mL
Final Volume: 1 mL

QA Approval: ___MSP____ Date Effective: __10/20/2024____

Method Detection Limit - Spike Replicates (MDLs)
Pace Analytical Services
Westborough, MA

EPA 608.3, EPA 8081B, Liquid Compound - Channel B	Units	Target Concentration	Mean (x)	% Recovery	Standard Deviation (S)	Number of Replicates	Student t-value (t)	MDLs	LOQ	Comments
4,4'-DDD	ug/l	0.020	0.0182	91%	0.0034	8	3.00	0.0101	0.020	
4,4'-DDE	ug/l	0.020	0.0172	86%	0.0033	8	3.00	0.0100	0.020	
4,4'-DDT	ug/l	0.020	0.0177	88%	0.0016	8	3.00	0.0048	0.020	
Alachlor	ug/l	0.020	0.0192	96%	0.0039	8	3.00	0.0117	0.020	
Endosulfan II	ug/l	0.020	0.0187	93%	0.0028	8	3.00	0.0084	0.020	
Endosulfan sulfate	ug/l	0.020	0.0180	90%	0.0022	8	3.00	0.0065	0.020	
Endrin	ug/l	0.020	0.0194	97%	0.0027	8	3.00	0.0082	0.020	
Endrin aldehyde	ug/l	0.020	0.0174	87%	0.0059	8	3.00	0.0178	0.020	
Endrin ketone	ug/l	0.020	0.0178	89%	0.0046	8	3.00	0.0138	0.020	
Methoxychlor	ug/l	0.020	0.0168	84%	0.0039	8	3.00	0.0118	0.020	
Beta-BHC	ug/l	0.020	0.0145	72%	0.0026	8	3.00	0.0078	0.020	
Alpha-chlordane (cis)	ug/l	0.020	0.0163	82%	0.0023	8	3.00	0.0068	0.020	
Hexachlorobenzene	ug/l	0.020	0.0224	112%	0.0052	8	3.00	0.0154	0.020	
Gamma-chlordane (trans)	ug/l	0.020	0.0204	102%	0.0037	8	3.00	0.0110	0.020	
Mirex	ug/l	0.020	0.0129	64%	0.0054	8	3.00	0.0161	0.020	

Prep Method: EPA 3510C
Initial Weight / Volume: 100mL
Final Volume: 1 mL

QA Approval: ___MSP____ Date Effective: __10/20/2024____

Method Detection Limit - Spike Replicates (MDLs)
Pace Analytical Services
Westborough, MA

EPA 608.3, EPA 8081B, Liquid Compound - Channel A	Units	Target Concentration	Mean (x)	% Recovery	Standard Deviation (S)	Number of Replicates	Student t-value (t)	MDLs	LOQ	Comments
Chlordane	ug/l	0.10	0.0810	81%	0.0191	8	2.99795157	0.0572	0.100	

EPA 608.3, EPA 8081B, Liquid Compound - Channel B	Units	Target Concentration	Mean (x)	% Recovery	Standard Deviation (S)	Number of Replicates	Student t-value (t)	MDLs	LOQ	Comments
Chlordane	ug/l	0.10	0.0706	71%	0.0327	8	2.99795157	0.0980	0.100	

EPA 608.3, EPA 8081B, Liquid Compound - Channel A	Units	Target Concentration	Mean (x)	% Recovery	Standard Deviation (S)	Number of Replicates	Student t-value (t)	MDLs	LOQ	Comments
Toxaphene	ug/l	0.10	0.0906	91%	0.0255	8	2.99795157	0.0764	0.100	

EPA 608.3, EPA 8081B, Liquid Compound - Channel B	Units	Target Concentration	Mean (x)	% Recovery	Standard Deviation (S)	Number of Replicates	Student t-value (t)	MDLs	LOQ	Comments
Toxaphene	ug/l	0.10	0.0852	85%	0.0314	8	2.99795157	0.0942	0.100	

Comments: _____

Prep Method: EPA 3510C
Initial Weight / Volume: 100mL
Final Volume: 1 mL

QA Approval: ___MSP____ Date Effective: __10/20/2024____

Pesticide Sample Data

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2512368-01	**Date Collected**	: 03/05/25 11:20
Client ID	: 5A	**Date Received**	: 03/05/25
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 03/10/25 09:08
Sample Matrix	: WATER	**Date Extracted**	: 03/09/25
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10250310a-18	**Analyst**	: AKM
Sample Amount	: 100 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.006	U
58-89-9	Lindane	ND	0.014	0.005	U
319-84-6	Alpha-BHC	ND	0.014	0.005	U
319-85-7	Beta-BHC	ND	0.020	0.014	U
76-44-8	Heptachlor	0.014	0.014	0.005	J
309-00-2	Aldrin	ND	0.014	0.005	U
1024-57-3	Heptachlor epoxide	0.006	0.014	0.005	JIP
72-20-8	Endrin	ND	0.029	0.008	U
7421-93-4	Endrin aldehyde	ND	0.030	0.018	U
53494-70-5	Endrin ketone	ND	0.029	0.014	U
60-57-1	Dieldrin	ND	0.029	0.004	U
72-55-9	4,4'-DDE	ND	0.029	0.010	U
72-54-8	4,4'-DDD	ND	0.029	0.010	UIP
33213-65-9	Endosulfan II	ND	0.029	0.008	U
72-43-5	Methoxychlor	ND	0.143	0.014	U
8001-35-2	Toxaphene	ND	0.200	0.094	U
5103-71-9	cis-Chlordane	ND	0.020	0.007	U
5103-74-2	trans-Chlordane	ND	0.020	0.011	U
57-74-9	Chlordane	ND	0.143	0.098	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2512368-01	**Date Collected**	: 03/05/25 11:20
Client ID	: 5A	**Date Received**	: 03/05/25
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 03/10/25 09:08
Sample Matrix	: WATER	**Date Extracted**	: 03/09/25
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10250310a-18	**Analyst**	: AKM
Sample Amount	: 100 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
50-29-3	4,4'-DDT	ND	0.029	0.013	U
959-98-8	Endosulfan I	0.008	0.014	0.005	J
1031-07-8	Endosulfan sulfate	ND	0.029	0.007	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2512368-02	**Date Collected**	: 03/05/25 11:25
Client ID	: 5B	**Date Received**	: 03/05/25
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 03/10/25 09:19
Sample Matrix	: WATER	**Date Extracted**	: 03/09/25
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10250310a-19	**Analyst**	: AKM
Sample Amount	: 100 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.006	U
58-89-9	Lindane	ND	0.014	0.005	U
319-84-6	Alpha-BHC	ND	0.014	0.005	U
319-85-7	Beta-BHC	ND	0.020	0.014	U
76-44-8	Heptachlor	ND	0.014	0.005	U
309-00-2	Aldrin	ND	0.014	0.005	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.005	U
72-20-8	Endrin	ND	0.029	0.008	U
7421-93-4	Endrin aldehyde	ND	0.030	0.018	U
53494-70-5	Endrin ketone	ND	0.029	0.014	U
60-57-1	Dieldrin	ND	0.029	0.004	U
72-55-9	4,4'-DDE	ND	0.029	0.010	U
72-54-8	4,4'-DDD	ND	0.029	0.010	U
50-29-3	4,4'-DDT	ND	0.029	0.013	U
959-98-8	Endosulfan I	ND	0.014	0.005	U
33213-65-9	Endosulfan II	ND	0.029	0.008	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.007	U
72-43-5	Methoxychlor	ND	0.143	0.014	U
8001-35-2	Toxaphene	ND	0.200	0.094	U
5103-71-9	cis-Chlordane	ND	0.020	0.007	U
5103-74-2	trans-Chlordane	ND	0.020	0.011	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2512368-02	**Date Collected**	: 03/05/25 11:25
Client ID	: 5B	**Date Received**	: 03/05/25
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 03/10/25 09:19
Sample Matrix	: WATER	**Date Extracted**	: 03/09/25
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10250310a-19	**Analyst**	: AKM
Sample Amount	: 100 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.098	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2512368-04	**Date Collected**	: 03/05/25 09:25
Client ID	: 6A	**Date Received**	: 03/05/25
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 03/10/25 09:29
Sample Matrix	: WATER	**Date Extracted**	: 03/09/25
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10250310a-20	**Analyst**	: AKM
Sample Amount	: 100 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.006	U
58-89-9	Lindane	ND	0.014	0.005	U
319-84-6	Alpha-BHC	ND	0.014	0.005	U
319-85-7	Beta-BHC	ND	0.020	0.014	U
76-44-8	Heptachlor	ND	0.014	0.005	U
309-00-2	Aldrin	ND	0.014	0.005	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.005	U
72-20-8	Endrin	ND	0.029	0.008	U
7421-93-4	Endrin aldehyde	ND	0.030	0.018	U
53494-70-5	Endrin ketone	ND	0.029	0.014	U
60-57-1	Dieldrin	ND	0.029	0.004	U
72-55-9	4,4'-DDE	ND	0.029	0.010	U
72-54-8	4,4'-DDD	ND	0.029	0.010	U
50-29-3	4,4'-DDT	ND	0.029	0.013	U
959-98-8	Endosulfan I	ND	0.014	0.005	U
33213-65-9	Endosulfan II	ND	0.029	0.008	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.007	U
72-43-5	Methoxychlor	ND	0.143	0.014	U
8001-35-2	Toxaphene	ND	0.200	0.094	U
5103-71-9	cis-Chlordane	ND	0.020	0.007	U
5103-74-2	trans-Chlordane	ND	0.020	0.011	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2512368-04	**Date Collected**	: 03/05/25 09:25
Client ID	: 6A	**Date Received**	: 03/05/25
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 03/10/25 09:29
Sample Matrix	: WATER	**Date Extracted**	: 03/09/25
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10250310a-20	**Analyst**	: AKM
Sample Amount	: 100 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.098	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2512368-05	**Date Collected**	: 03/05/25 09:27
Client ID	: 6B	**Date Received**	: 03/05/25
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 03/10/25 09:40
Sample Matrix	: WATER	**Date Extracted**	: 03/09/25
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10250310a-21	**Analyst**	: AKM
Sample Amount	: 100 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.006	U
58-89-9	Lindane	ND	0.014	0.005	U
319-84-6	Alpha-BHC	ND	0.014	0.005	U
319-85-7	Beta-BHC	ND	0.020	0.014	U
76-44-8	Heptachlor	ND	0.014	0.005	U
309-00-2	Aldrin	ND	0.014	0.005	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.005	U
72-20-8	Endrin	ND	0.029	0.008	U
7421-93-4	Endrin aldehyde	ND	0.030	0.018	U
53494-70-5	Endrin ketone	ND	0.029	0.014	U
60-57-1	Dieldrin	ND	0.029	0.004	U
72-55-9	4,4'-DDE	ND	0.029	0.010	U
72-54-8	4,4'-DDD	ND	0.029	0.010	U
50-29-3	4,4'-DDT	ND	0.029	0.013	U
959-98-8	Endosulfan I	ND	0.014	0.005	U
33213-65-9	Endosulfan II	ND	0.029	0.008	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.007	U
72-43-5	Methoxychlor	ND	0.143	0.014	U
8001-35-2	Toxaphene	ND	0.200	0.094	U
5103-71-9	cis-Chlordane	ND	0.020	0.007	U
5103-74-2	trans-Chlordane	ND	0.020	0.011	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2512368-05	**Date Collected**	: 03/05/25 09:27
Client ID	: 6B	**Date Received**	: 03/05/25
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 03/10/25 09:40
Sample Matrix	: WATER	**Date Extracted**	: 03/09/25
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 10250310a-21	**Analyst**	: AKM
Sample Amount	: 100 ml	**Instrument ID**	: PEST10
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.098	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2512368-07	**Date Collected**	: 03/05/25 08:15
Client ID	: 7A	**Date Received**	: 03/05/25
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 03/08/25 08:00
Sample Matrix	: WATER	**Date Extracted**	: 03/07/25
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11250308a-10	**Analyst**	: PEG
Sample Amount	: 100 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.006	U
58-89-9	Lindane	ND	0.014	0.005	U
319-84-6	Alpha-BHC	ND	0.014	0.005	U
319-85-7	Beta-BHC	ND	0.020	0.014	U
76-44-8	Heptachlor	ND	0.014	0.005	U
309-00-2	Aldrin	ND	0.014	0.005	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.005	U
72-20-8	Endrin	ND	0.029	0.008	U
7421-93-4	Endrin aldehyde	ND	0.030	0.018	U
53494-70-5	Endrin ketone	ND	0.029	0.014	U
60-57-1	Dieldrin	ND	0.029	0.004	U
72-55-9	4,4'-DDE	ND	0.029	0.010	U
72-54-8	4,4'-DDD	ND	0.029	0.010	U
50-29-3	4,4'-DDT	ND	0.029	0.013	U
959-98-8	Endosulfan I	ND	0.014	0.005	U
33213-65-9	Endosulfan II	ND	0.029	0.008	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.007	U
72-43-5	Methoxychlor	ND	0.143	0.014	U
8001-35-2	Toxaphene	ND	0.200	0.094	U
5103-71-9	cis-Chlordane	ND	0.020	0.007	U
5103-74-2	trans-Chlordane	ND	0.020	0.011	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2512368-07	**Date Collected**	: 03/05/25 08:15
Client ID	: 7A	**Date Received**	: 03/05/25
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 03/08/25 08:00
Sample Matrix	: WATER	**Date Extracted**	: 03/07/25
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11250308a-10	**Analyst**	: PEG
Sample Amount	: 100 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.098	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2512368-08	Date Collected	: 03/05/25 08:13
Client ID	: 7B	Date Received	: 03/05/25
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 03/08/25 08:12
Sample Matrix	: WATER	Date Extracted	: 03/07/25
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 11250308a-11	Analyst	: PEG
Sample Amount	: 100 ml	Instrument ID	: PEST11
Extraction Method	: EPA 3510C	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	0.014	0.006	U
58-89-9	Lindane	ND	0.014	0.005	U
319-84-6	Alpha-BHC	ND	0.014	0.005	U
319-85-7	Beta-BHC	ND	0.020	0.014	U
76-44-8	Heptachlor	ND	0.014	0.005	U
309-00-2	Aldrin	ND	0.014	0.005	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.005	U
72-20-8	Endrin	ND	0.029	0.008	U
7421-93-4	Endrin aldehyde	ND	0.030	0.018	U
53494-70-5	Endrin ketone	ND	0.029	0.014	U
60-57-1	Dieldrin	ND	0.029	0.004	U
72-55-9	4,4'-DDE	ND	0.029	0.010	U
72-54-8	4,4'-DDD	ND	0.029	0.010	U
50-29-3	4,4'-DDT	ND	0.029	0.013	U
959-98-8	Endosulfan I	ND	0.014	0.005	U
33213-65-9	Endosulfan II	ND	0.029	0.008	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.007	U
72-43-5	Methoxychlor	ND	0.143	0.014	U
8001-35-2	Toxaphene	ND	0.200	0.094	U
5103-71-9	cis-Chlordane	ND	0.020	0.007	U
5103-74-2	trans-Chlordane	ND	0.020	0.011	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2512368-08	**Date Collected**	: 03/05/25 08:13
Client ID	: 7B	**Date Received**	: 03/05/25
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 03/08/25 08:12
Sample Matrix	: WATER	**Date Extracted**	: 03/07/25
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11250308a-11	**Analyst**	: PEG
Sample Amount	: 100 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.098	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2512368-10	Date Collected	: 03/05/25 16:20
Client ID	: 8A	Date Received	: 03/05/25
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 03/08/25 08:24
Sample Matrix	: WATER	Date Extracted	: 03/07/25
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 11250308a-12	Analyst	: PEG
Sample Amount	: 100 ml	Instrument ID	: PEST11
Extraction Method	: EPA 3510C	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	0.014	0.006	U
58-89-9	Lindane	ND	0.014	0.005	U
319-84-6	Alpha-BHC	ND	0.014	0.005	U
319-85-7	Beta-BHC	ND	0.020	0.014	U
76-44-8	Heptachlor	ND	0.014	0.005	U
309-00-2	Aldrin	ND	0.014	0.005	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.005	U
72-20-8	Endrin	ND	0.029	0.008	U
7421-93-4	Endrin aldehyde	ND	0.030	0.018	U
53494-70-5	Endrin ketone	ND	0.029	0.014	U
60-57-1	Dieldrin	ND	0.029	0.004	U
72-55-9	4,4'-DDE	ND	0.029	0.010	U
72-54-8	4,4'-DDD	ND	0.029	0.010	U
959-98-8	Endosulfan I	ND	0.014	0.005	U
33213-65-9	Endosulfan II	ND	0.029	0.008	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.007	U
72-43-5	Methoxychlor	ND	0.143	0.014	U
8001-35-2	Toxaphene	ND	0.200	0.094	U
5103-71-9	cis-Chlordane	ND	0.020	0.007	U
5103-74-2	trans-Chlordane	ND	0.020	0.011	U
57-74-9	Chlordane	ND	0.143	0.098	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2512368-10	**Date Collected**	: 03/05/25 16:20
Client ID	: 8A	**Date Received**	: 03/05/25
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 03/08/25 08:24
Sample Matrix	: WATER	**Date Extracted**	: 03/07/25
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11250308a-12	**Analyst**	: PEG
Sample Amount	: 100 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
50-29-3	4,4'-DDT	ND	0.029	0.013	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2512368-11	**Date Collected**	: 03/05/25 16:45
Client ID	: 8B	**Date Received**	: 03/05/25
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 03/08/25 08:59
Sample Matrix	: WATER	**Date Extracted**	: 03/07/25
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11250308a-15	**Analyst**	: PEG
Sample Amount	: 100 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.006	U
58-89-9	Lindane	ND	0.014	0.005	U
319-84-6	Alpha-BHC	ND	0.014	0.005	U
319-85-7	Beta-BHC	ND	0.020	0.014	U
76-44-8	Heptachlor	ND	0.014	0.005	U
309-00-2	Aldrin	ND	0.014	0.005	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.005	U
72-20-8	Endrin	ND	0.029	0.008	U
7421-93-4	Endrin aldehyde	ND	0.030	0.018	U
53494-70-5	Endrin ketone	ND	0.029	0.014	U
60-57-1	Dieldrin	ND	0.029	0.004	U
72-55-9	4,4'-DDE	ND	0.029	0.010	U
72-54-8	4,4'-DDD	ND	0.029	0.010	U
50-29-3	4,4'-DDT	ND	0.029	0.013	U
959-98-8	Endosulfan I	ND	0.014	0.005	U
33213-65-9	Endosulfan II	ND	0.029	0.008	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.007	U
72-43-5	Methoxychlor	ND	0.143	0.014	U
8001-35-2	Toxaphene	ND	0.200	0.094	U
5103-71-9	cis-Chlordane	ND	0.020	0.007	U
5103-74-2	trans-Chlordane	ND	0.020	0.011	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2512368-11	**Date Collected**	: 03/05/25 16:45
Client ID	: 8B	**Date Received**	: 03/05/25
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 03/08/25 08:59
Sample Matrix	: WATER	**Date Extracted**	: 03/07/25
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11250308a-15	**Analyst**	: PEG
Sample Amount	: 100 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.098	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2512368-16	**Date Collected**	: 03/05/25 12:45
Client ID	: 10A	**Date Received**	: 03/05/25
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 03/08/25 09:11
Sample Matrix	: WATER	**Date Extracted**	: 03/07/25
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11250308a-16	**Analyst**	: PEG
Sample Amount	: 100 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.006	U
58-89-9	Lindane	ND	0.014	0.005	U
319-84-6	Alpha-BHC	ND	0.014	0.005	U
319-85-7	Beta-BHC	ND	0.020	0.014	U
76-44-8	Heptachlor	ND	0.014	0.005	U
309-00-2	Aldrin	ND	0.014	0.005	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.005	U
72-20-8	Endrin	ND	0.029	0.008	U
7421-93-4	Endrin aldehyde	ND	0.030	0.018	U
53494-70-5	Endrin ketone	ND	0.029	0.014	U
60-57-1	Dieldrin	ND	0.029	0.004	U
72-55-9	4,4'-DDE	ND	0.029	0.010	U
72-54-8	4,4'-DDD	ND	0.029	0.010	U
50-29-3	4,4'-DDT	ND	0.029	0.013	U
959-98-8	Endosulfan I	ND	0.014	0.005	U
33213-65-9	Endosulfan II	ND	0.029	0.008	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.007	U
72-43-5	Methoxychlor	ND	0.143	0.014	U
8001-35-2	Toxaphene	ND	0.200	0.094	U
5103-71-9	cis-Chlordane	ND	0.020	0.007	U
5103-74-2	trans-Chlordane	ND	0.020	0.011	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2512368-16	**Date Collected**	: 03/05/25 12:45
Client ID	: 10A	**Date Received**	: 03/05/25
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 03/08/25 09:11
Sample Matrix	: WATER	**Date Extracted**	: 03/07/25
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11250308a-16	**Analyst**	: PEG
Sample Amount	: 100 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.098	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	Lab Number	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2512368-17	Date Collected	: 03/05/25 12:55
Client ID	: 10B	Date Received	: 03/05/25
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 03/08/25 09:23
Sample Matrix	: WATER	Date Extracted	: 03/07/25
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 11250308a-17	Analyst	: PEG
Sample Amount	: 100 ml	Instrument ID	: PEST11
Extraction Method	: EPA 3510C	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	0.014	0.006	U
58-89-9	Lindane	ND	0.014	0.005	U
319-84-6	Alpha-BHC	ND	0.014	0.005	U
319-85-7	Beta-BHC	ND	0.020	0.014	U
76-44-8	Heptachlor	ND	0.014	0.005	U
309-00-2	Aldrin	ND	0.014	0.005	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.005	U
72-20-8	Endrin	ND	0.029	0.008	U
7421-93-4	Endrin aldehyde	ND	0.030	0.018	U
53494-70-5	Endrin ketone	ND	0.029	0.014	U
60-57-1	Dieldrin	ND	0.029	0.004	U
72-55-9	4,4'-DDE	ND	0.029	0.010	U
72-54-8	4,4'-DDD	ND	0.029	0.010	U
50-29-3	4,4'-DDT	ND	0.029	0.013	U
959-98-8	Endosulfan I	ND	0.014	0.005	U
33213-65-9	Endosulfan II	ND	0.029	0.008	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.007	U
72-43-5	Methoxychlor	ND	0.143	0.014	U
8001-35-2	Toxaphene	ND	0.200	0.094	U
5103-71-9	cis-Chlordane	ND	0.020	0.007	U
5103-74-2	trans-Chlordane	ND	0.020	0.011	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2512368-17	**Date Collected**	: 03/05/25 12:55
Client ID	: 10B	**Date Received**	: 03/05/25
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 03/08/25 09:23
Sample Matrix	: WATER	**Date Extracted**	: 03/07/25
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11250308a-17	**Analyst**	: PEG
Sample Amount	: 100 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.098	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2512368-19	**Date Collected**	: 03/05/25 00:00
Client ID	: DUP001	**Date Received**	: 03/05/25
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 03/08/25 09:35
Sample Matrix	: WATER	**Date Extracted**	: 03/07/25
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11250308a-18	**Analyst**	: PEG
Sample Amount	: 100 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.006	U
58-89-9	Lindane	ND	0.014	0.005	U
319-84-6	Alpha-BHC	ND	0.014	0.005	U
319-85-7	Beta-BHC	ND	0.020	0.014	U
76-44-8	Heptachlor	ND	0.014	0.005	U
309-00-2	Aldrin	ND	0.014	0.005	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.005	U
72-20-8	Endrin	ND	0.029	0.008	U
7421-93-4	Endrin aldehyde	ND	0.030	0.018	U
53494-70-5	Endrin ketone	ND	0.029	0.014	U
60-57-1	Dieldrin	ND	0.029	0.004	U
72-55-9	4,4'-DDE	ND	0.029	0.010	U
72-54-8	4,4'-DDD	ND	0.029	0.010	U
50-29-3	4,4'-DDT	ND	0.029	0.013	U
959-98-8	Endosulfan I	ND	0.014	0.005	U
33213-65-9	Endosulfan II	ND	0.029	0.008	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.007	U
72-43-5	Methoxychlor	ND	0.143	0.014	U
8001-35-2	Toxaphene	ND	0.200	0.094	U
5103-71-9	cis-Chlordane	ND	0.020	0.007	U
5103-74-2	trans-Chlordane	ND	0.020	0.011	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2512368-19	**Date Collected**	: 03/05/25 00:00
Client ID	: DUP001	**Date Received**	: 03/05/25
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 03/08/25 09:35
Sample Matrix	: WATER	**Date Extracted**	: 03/07/25
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11250308a-18	**Analyst**	: PEG
Sample Amount	: 100 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.098	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2037965-1	**Date Collected**	: NA
Client ID	: WG2037965-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/08/25 07:25
Sample Matrix	: WATER	**Date Extracted**	: 03/07/25
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11250308a-07	**Analyst**	: PEG
Sample Amount	: 100 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.006	U
58-89-9	Lindane	ND	0.014	0.005	U
319-84-6	Alpha-BHC	ND	0.014	0.005	U
319-85-7	Beta-BHC	ND	0.020	0.014	U
76-44-8	Heptachlor	ND	0.014	0.005	U
309-00-2	Aldrin	ND	0.014	0.005	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.005	U
72-20-8	Endrin	ND	0.029	0.008	U
7421-93-4	Endrin aldehyde	ND	0.030	0.018	U
53494-70-5	Endrin ketone	ND	0.029	0.014	U
60-57-1	Dieldrin	ND	0.029	0.004	U
72-55-9	4,4'-DDE	ND	0.029	0.010	U
72-54-8	4,4'-DDD	ND	0.029	0.010	U
50-29-3	4,4'-DDT	ND	0.029	0.013	U
959-98-8	Endosulfan I	ND	0.014	0.005	U
33213-65-9	Endosulfan II	ND	0.029	0.008	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.007	U
72-43-5	Methoxychlor	ND	0.143	0.014	U
8001-35-2	Toxaphene	ND	0.200	0.094	U
5103-71-9	cis-Chlordane	ND	0.020	0.007	U
5103-74-2	trans-Chlordane	ND	0.020	0.011	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2037965-1	**Date Collected**	: NA
Client ID	: WG2037965-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/08/25 07:25
Sample Matrix	: WATER	**Date Extracted**	: 03/07/25
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11250308a-07	**Analyst**	: PEG
Sample Amount	: 100 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.098	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2038216-1	**Date Collected**	: NA
Client ID	: WG2038216-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/09/25 13:02
Sample Matrix	: WATER	**Date Extracted**	: 03/09/25
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 20250308a-09	**Analyst**	: AKM
Sample Amount	: 100 ml	**Instrument ID**	: PEST20
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.006	U
58-89-9	Lindane	ND	0.014	0.005	U
319-84-6	Alpha-BHC	ND	0.014	0.005	U
319-85-7	Beta-BHC	ND	0.020	0.014	U
76-44-8	Heptachlor	ND	0.014	0.005	U
309-00-2	Aldrin	ND	0.014	0.005	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.005	U
72-20-8	Endrin	ND	0.029	0.008	U
7421-93-4	Endrin aldehyde	ND	0.030	0.018	U
53494-70-5	Endrin ketone	ND	0.029	0.014	U
60-57-1	Dieldrin	ND	0.029	0.004	U
72-55-9	4,4'-DDE	ND	0.029	0.010	U
72-54-8	4,4'-DDD	ND	0.029	0.010	U
50-29-3	4,4'-DDT	ND	0.029	0.013	U
959-98-8	Endosulfan I	ND	0.014	0.005	U
33213-65-9	Endosulfan II	ND	0.029	0.008	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.007	U
72-43-5	Methoxychlor	ND	0.143	0.014	U
8001-35-2	Toxaphene	ND	0.200	0.094	U
5103-71-9	cis-Chlordane	ND	0.020	0.007	U
5103-74-2	trans-Chlordane	ND	0.020	0.011	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2038216-1	**Date Collected**	: NA
Client ID	: WG2038216-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/09/25 13:02
Sample Matrix	: WATER	**Date Extracted**	: 03/09/25
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 20250308a-09	**Analyst**	: AKM
Sample Amount	: 100 ml	**Instrument ID**	: PEST20
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.098	U

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 8:00
Operator : PEST11:peg
Sample : L2512368-07,42,, rvt
Misc : wg2038031,WG2037965,ical21853
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 12:15:28 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:00:56 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2025\250308A\11250308a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.293	1.371	421.7E6	208.2E6	25.000M4	25.000M4
	Standard Area 1 : #1 = 378270952				Recovery = 111.47%		
	Standard Area 1 : #2 = 220505210				Recovery = 94.43%		
28) i	1-br-2-nb_Ch	1.293	1.371	421.7E6	208.2E6	25.000M4	25.000M4
33) i	1-br-2-nb_To	1.293	1.371	421.7E6	208.2E6	25.000M4	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.640	1.857	773.4E6	387.5E6	37.781M4	44.550M3
	Spiked Amount 50.000	Range 30 - 150			Recovery = 75.56%		89.10%
27) s	Decachlorobi	6.305	6.963	651.2E6	272.2E6	33.572M4	35.461M4
	Spiked Amount 50.000	Range 30 - 150			Recovery = 67.14%		70.92%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 8:00
Operator : PEST11:peg
Sample : L2512368-07,42,, rvt
Misc : wg2038031,WG2037965,ical21853
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 12:15:28 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:00:56 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2025\250308A\11250308a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

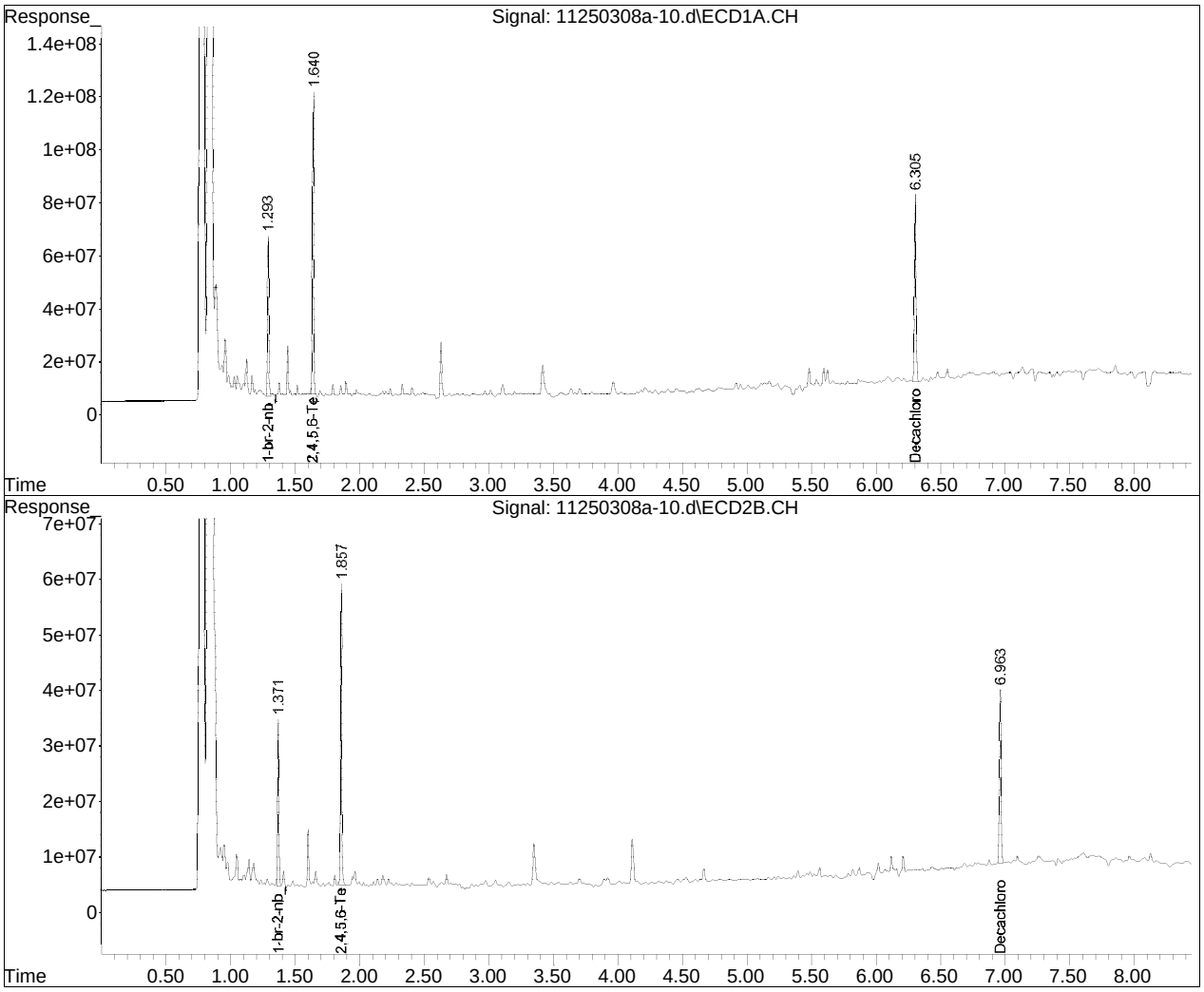
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\11250308a-03.d•

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 8:00
Operator : PEST11:peg
Sample : L2512368-07,42,, rvt
Misc : wg2038031,WG2037965,ical21853
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 12:15:28 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:00:56 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

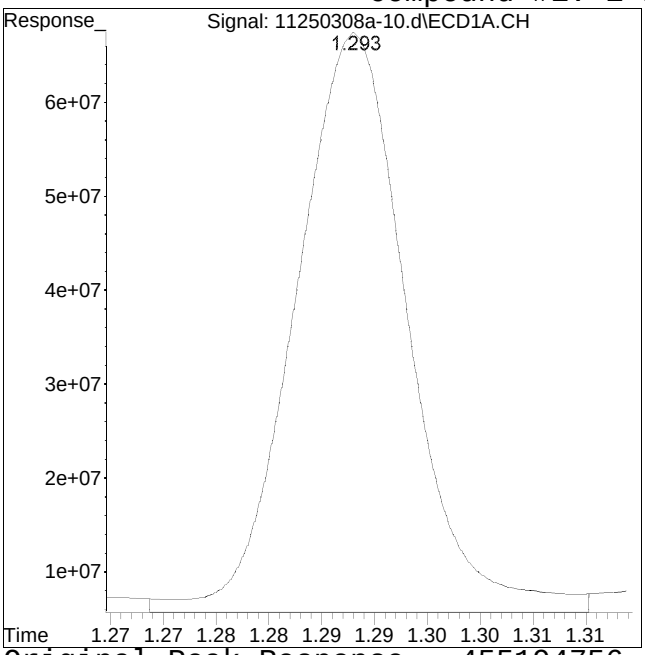
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

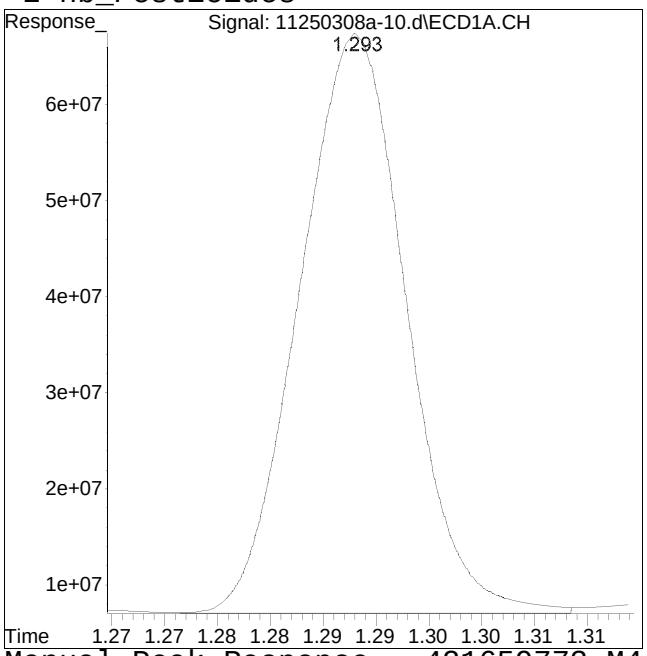


Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-10.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:00 Instrument : Pest 11
Sample : L2512368-07,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #1: 1-br-2-nb_Pesticides



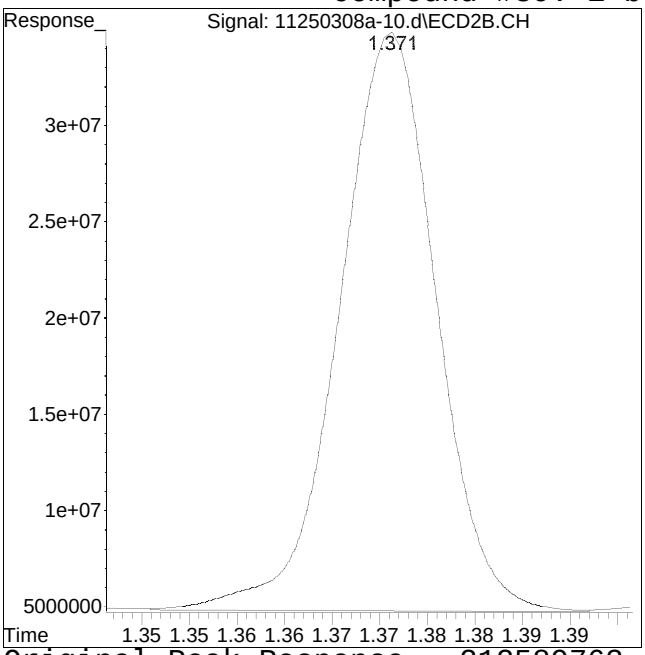


Original Peak Response = 455194756 Manual Peak Response = 421659773 M4
M4 = Poor automated baseline construction.

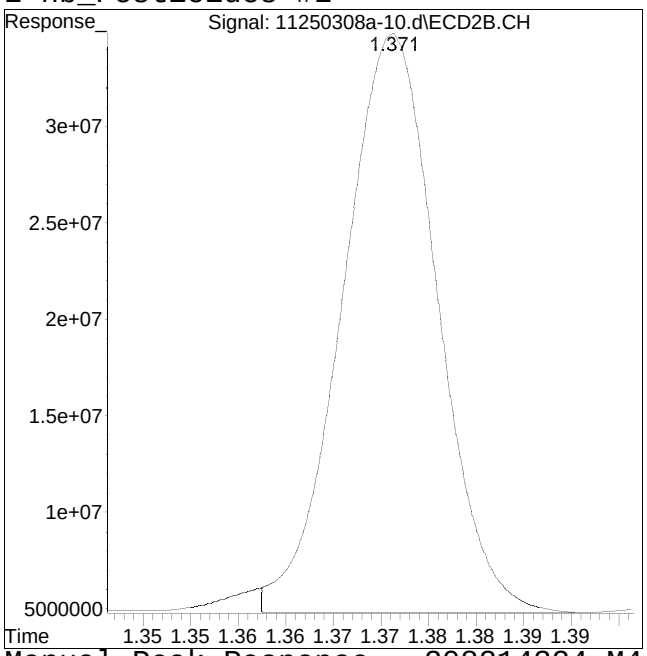
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-10.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:00 Instrument : Pest 11
Sample : L2512368-07,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 212589763



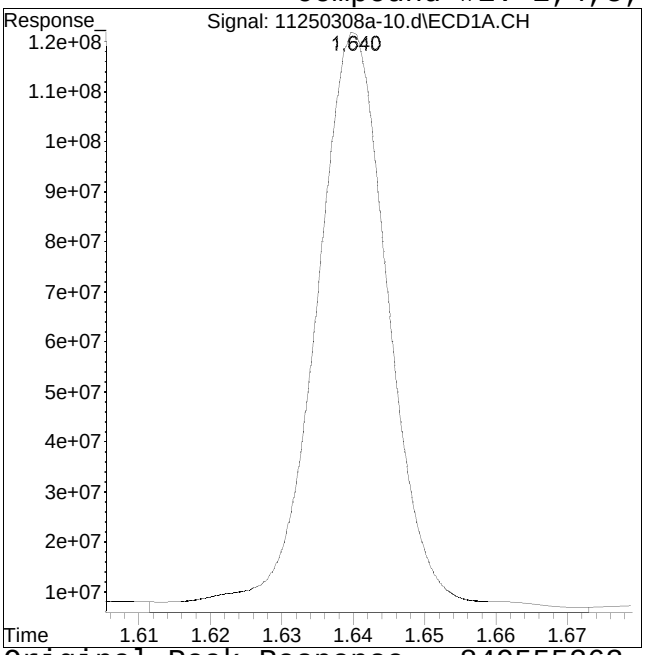
Manual Peak Response = 208214324 M4

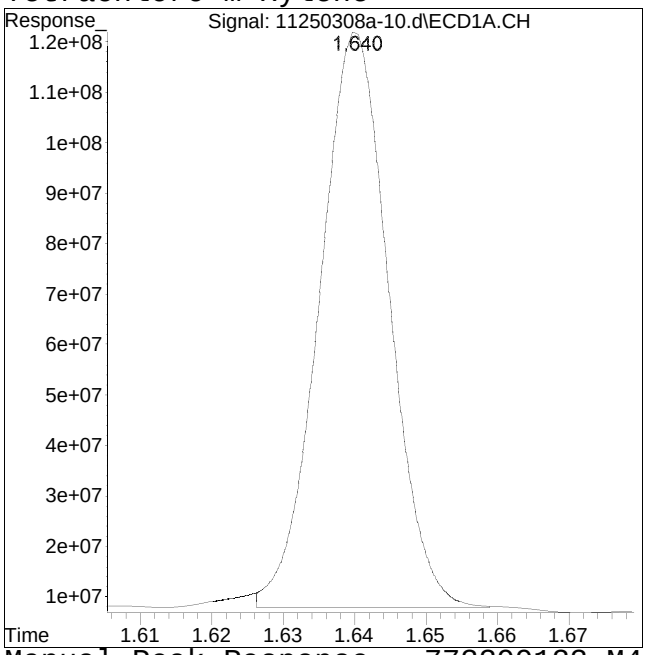
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-10.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:00 Instrument : Pest 11
Sample : L2512368-07,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



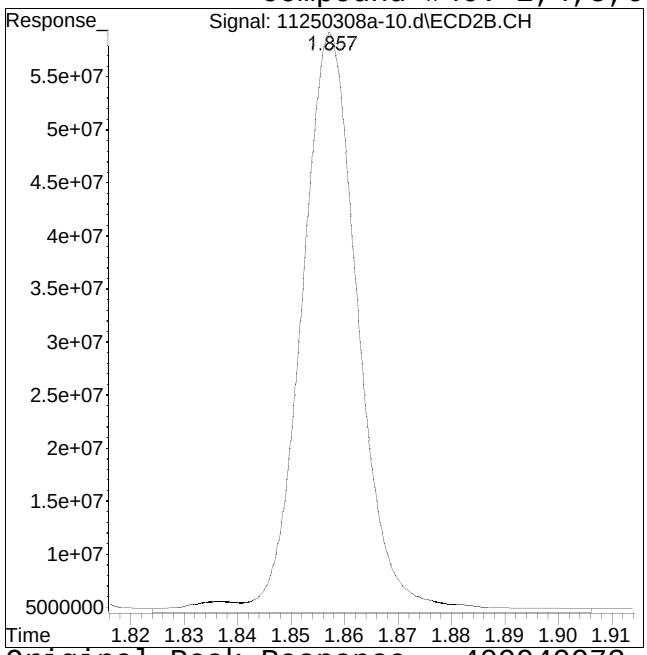


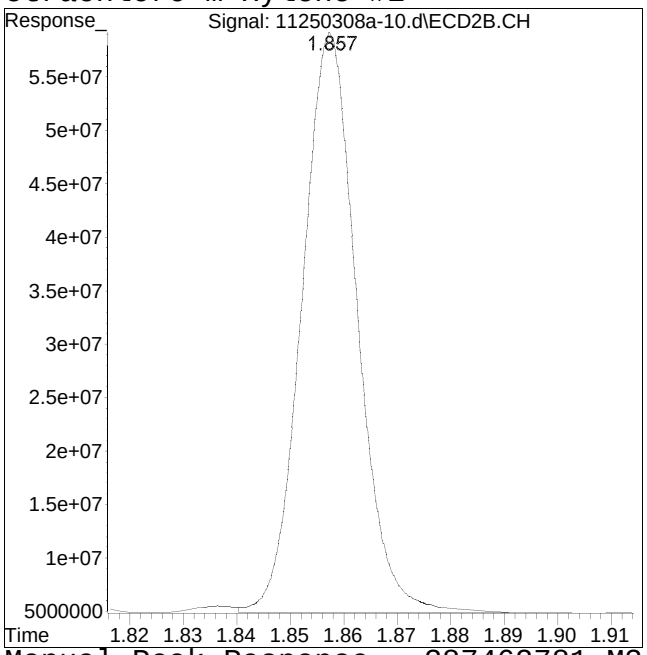
Original Peak Response = 849555363 Manual Peak Response = 773399123 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-10.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:00 Instrument : Pest 11
Sample : L2512368-07,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



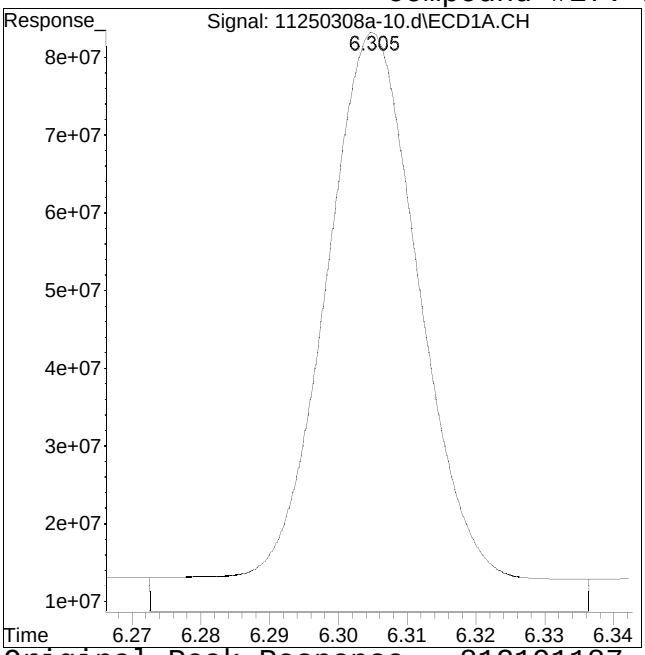


Original Peak Response = 409949973 Manual Peak Response = 387462781 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

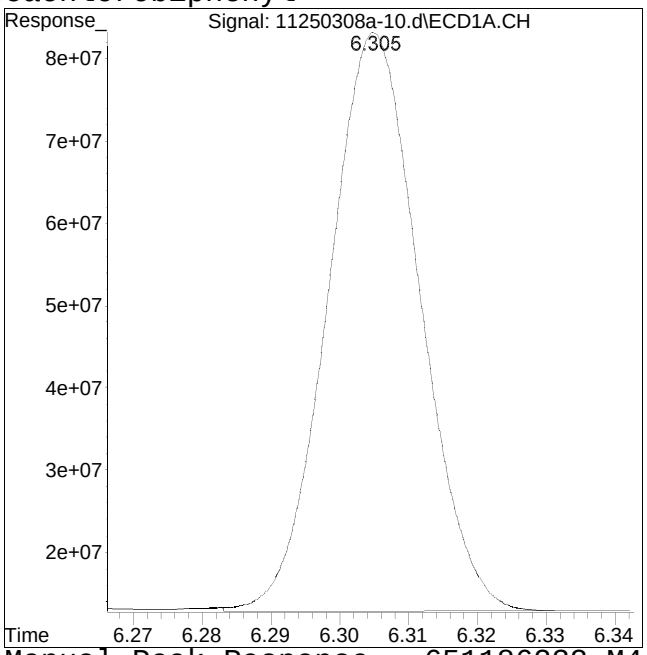
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-10.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:00 Instrument : Pest 11
Sample : L2512368-07,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #27: Decachlorobiphenyl



Original Peak Response = 812191187



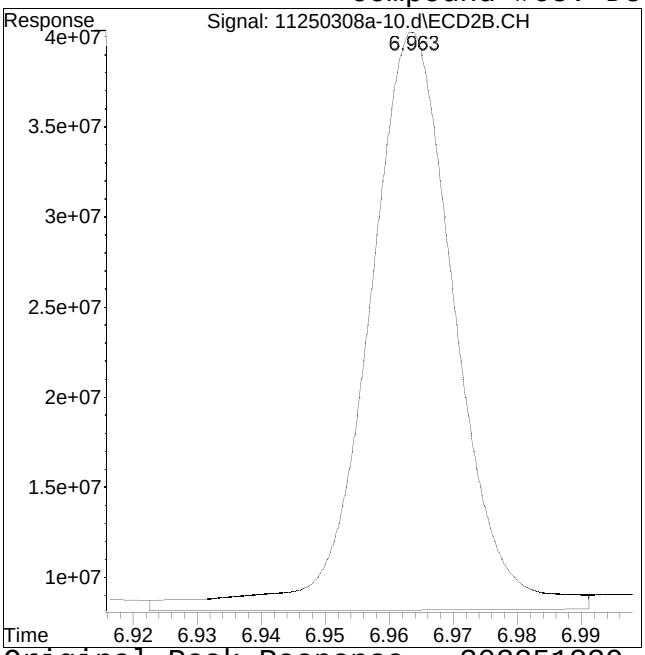
Manual Peak Response = 651186232 M4

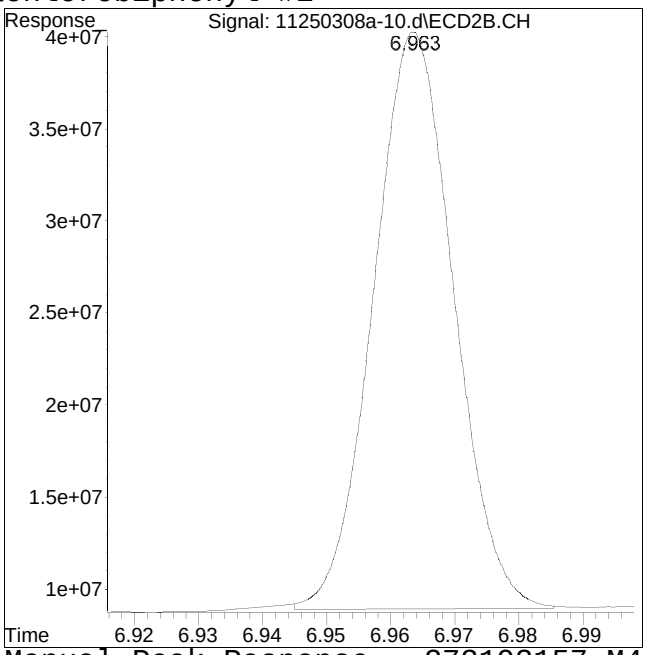
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-10.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:00 Instrument : Pest 11
Sample : L2512368-07,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #65: Decachlorobiphenyl #2



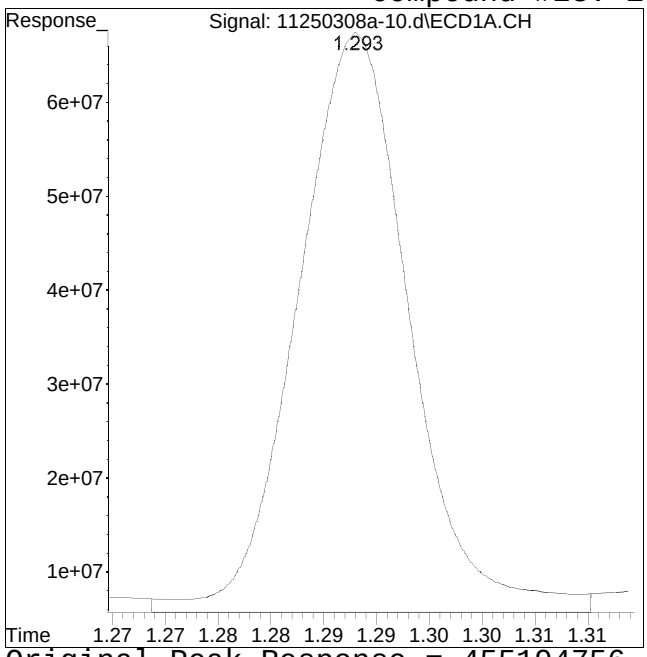


Original Peak Response = 303251339 Manual Peak Response = 272193157 M4
M4 = Poor automated baseline construction.

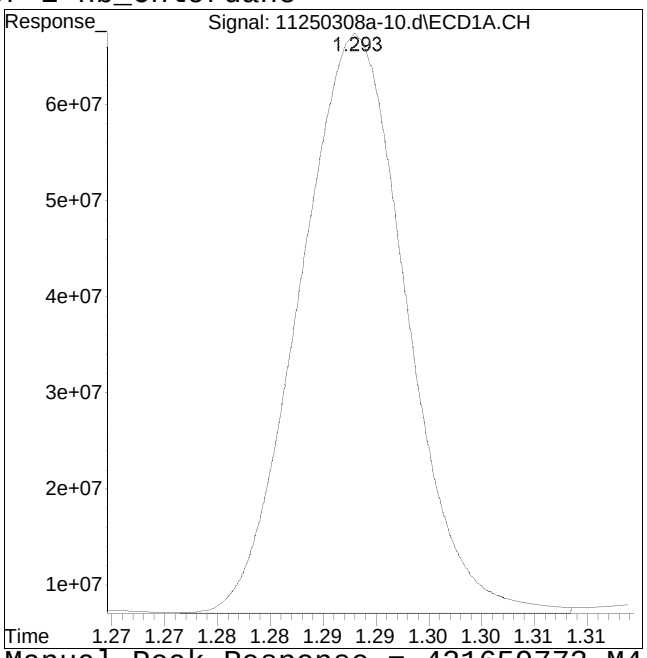
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-10.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:00 Instrument : Pest 11
Sample : L2512368-07,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 455194756

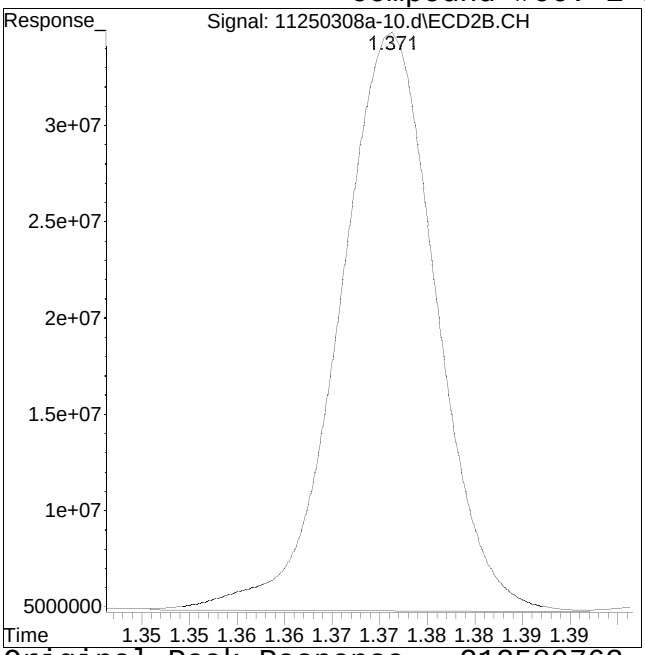


Manual Peak Response = 421659773 M4
M4 = Poor automated baseline construction.

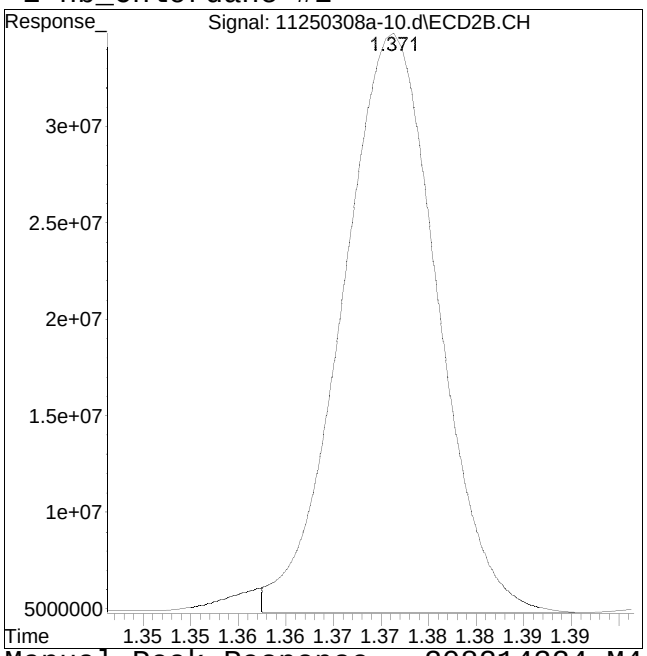
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-10.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:00 Instrument : Pest 11
Sample : L2512368-07,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #66: 1-br-2-nb_Chlordane #2



Original Peak Response = 212589763



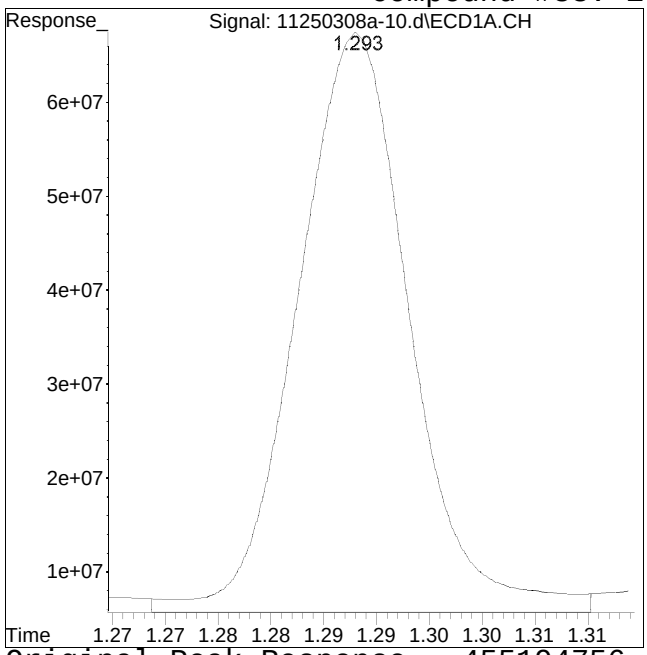
Manual Peak Response = 208214324 M4

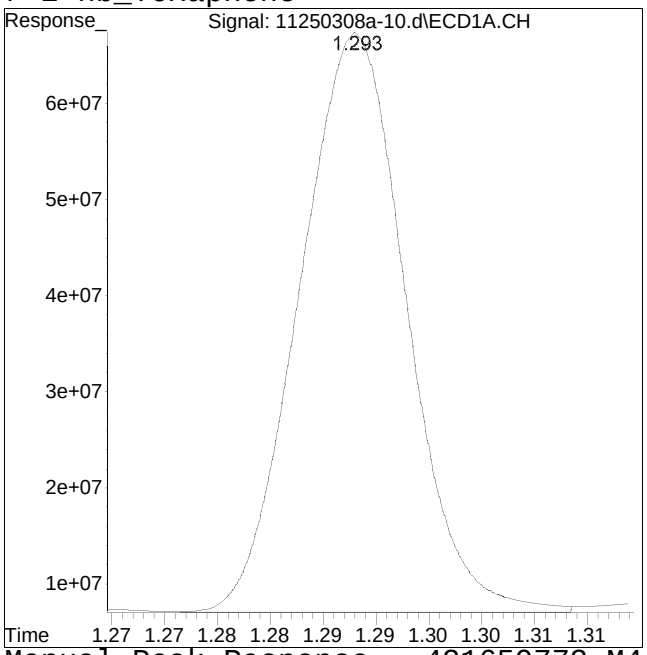
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-10.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:00 Instrument : Pest 11
Sample : L2512368-07,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #33: 1-br-2-nb_Toxaphene



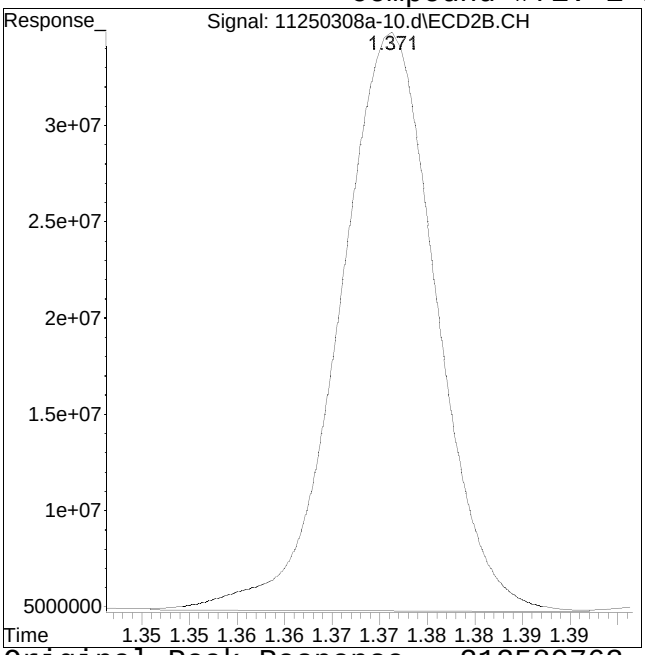


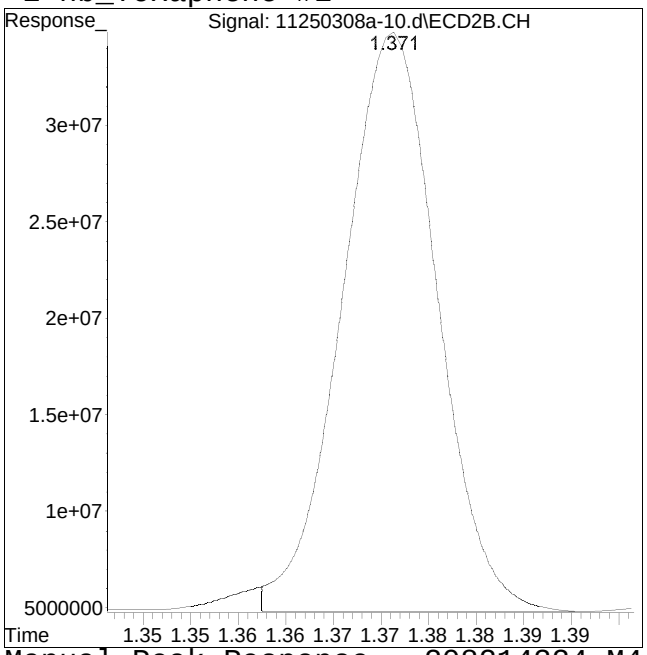
Original Peak Response = 455194756 Manual Peak Response = 421659773 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-10.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:00 Instrument : Pest 11
Sample : L2512368-07,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 212589763 Manual Peak Response = 208214324 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 8:12
Operator : PEST11:peg
Sample : L2512368-08,42,, rvt
Misc : wg2038031,WG2037965,ical21853
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 12:15:31 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:00:56 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2025\250308A\11250308a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.293	1.372	428.6E6	213.9E6	25.000M4	25.000M4
	Standard Area 1 : #1 = 378270952				Recovery = 113.30%		
	Standard Area 1 : #2 = 220505210				Recovery = 97.02%		
28) i	1-br-2-nb_Ch	1.293	1.372	428.6E6	213.9E6	25.000M4	25.000M4
33) i	1-br-2-nb_To	1.293	1.372	428.6E6	213.9E6	25.000M4	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.640	1.858	931.7E6	452.8E6	44.779M3	50.673M3
	Spiked Amount 50.000	Range 30 - 150			Recovery = 89.56%		101.35%
27) s	Decachlorobi	6.305	6.963	754.1E6	305.5E6	38.252M4	38.729M4
	Spiked Amount 50.000	Range 30 - 150			Recovery = 76.50%		77.46%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 8:12
Operator : PEST11:peg
Sample : L2512368-08,42,, rvt
Misc : wg2038031,WG2037965,ical21853
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 12:15:31 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:00:56 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2025\250308A\11250308a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

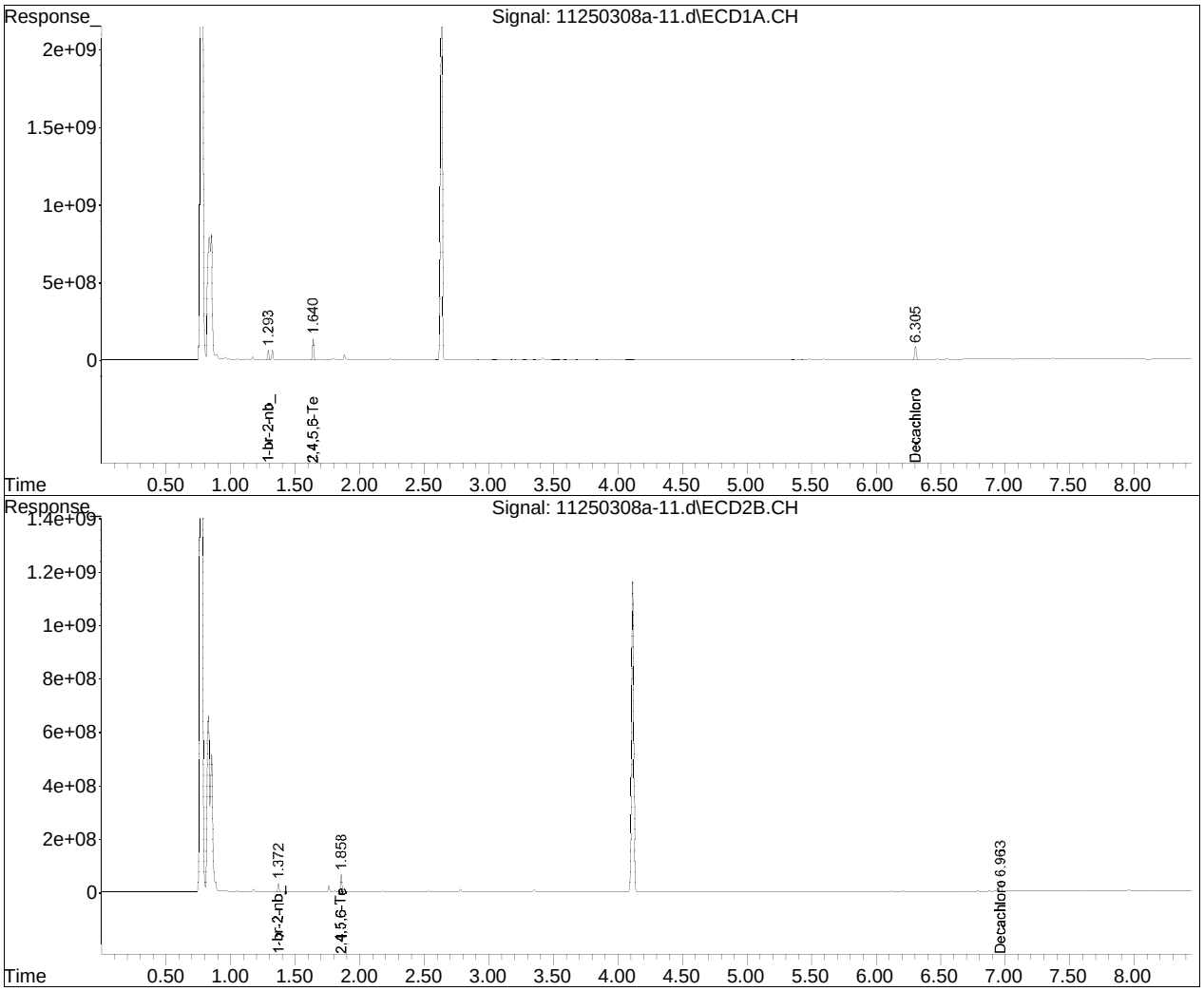
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\11250308a-03.d•

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 8:12
Operator : PEST11:peg
Sample : L2512368-08,42,, rvt
Misc : wg2038031,WG2037965,ical21853
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 12:15:31 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:00:56 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

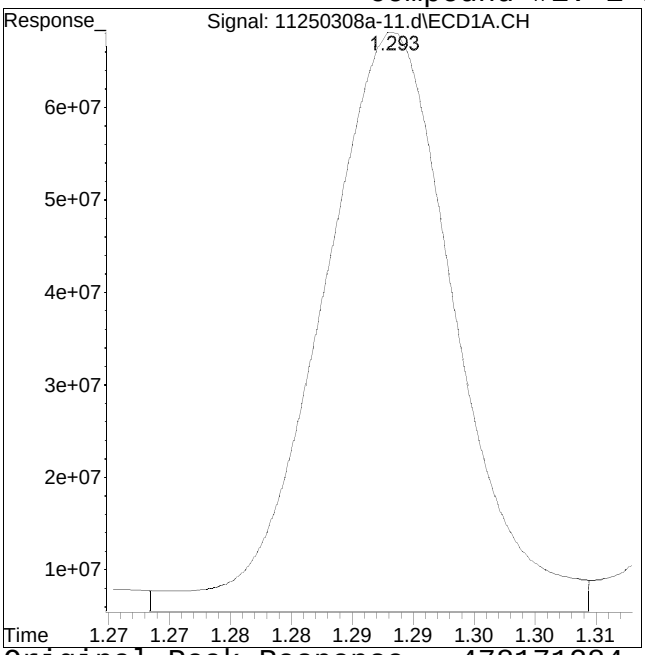


Manual Integration Report

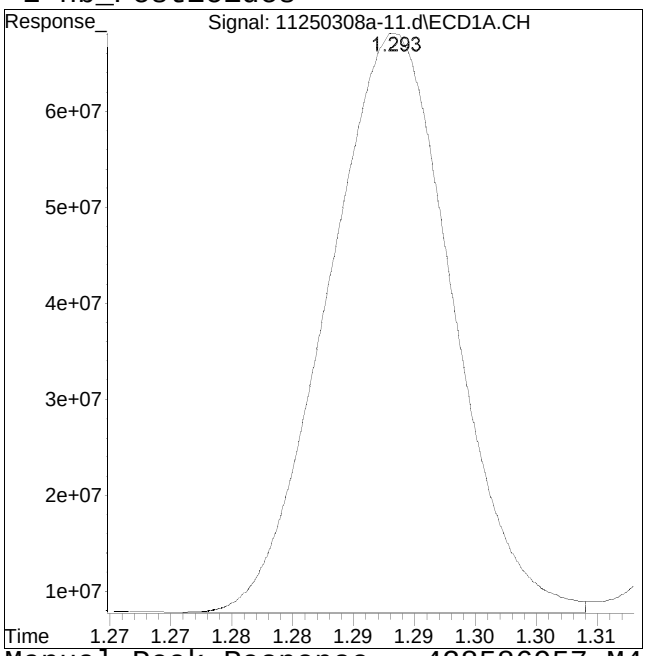
Data Path : I:\PEST\Pest11\2025\250308Q
Data File : 11250308a-11.d
Date Inj'd : 3/8/2025 8:12
Sample : L2512368-08,42,, rvt

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:peg
Instrument : Pest 11
Quant Date : 3/8/2025 12:15 pm

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 478171284



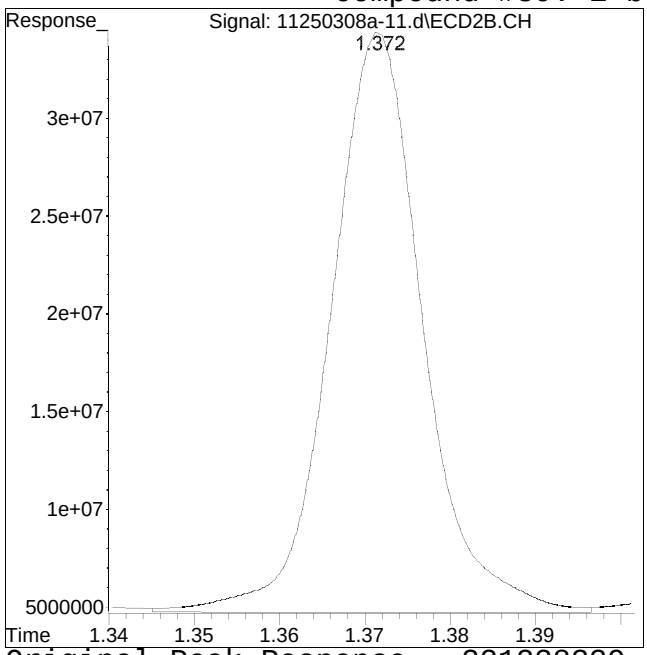
Manual Peak Response = 428586957 M4

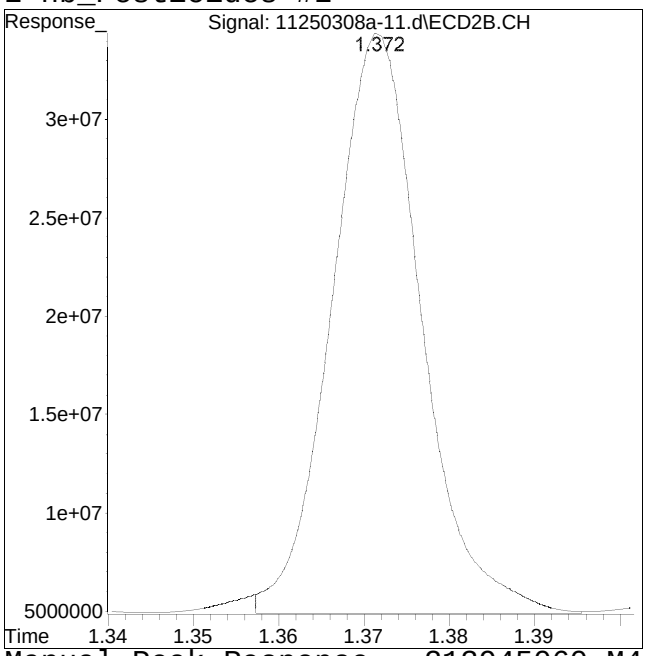
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-11.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:12 Instrument : Pest 11
Sample : L2512368-08,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #39: 1-br-2-nb_Pesticides #2



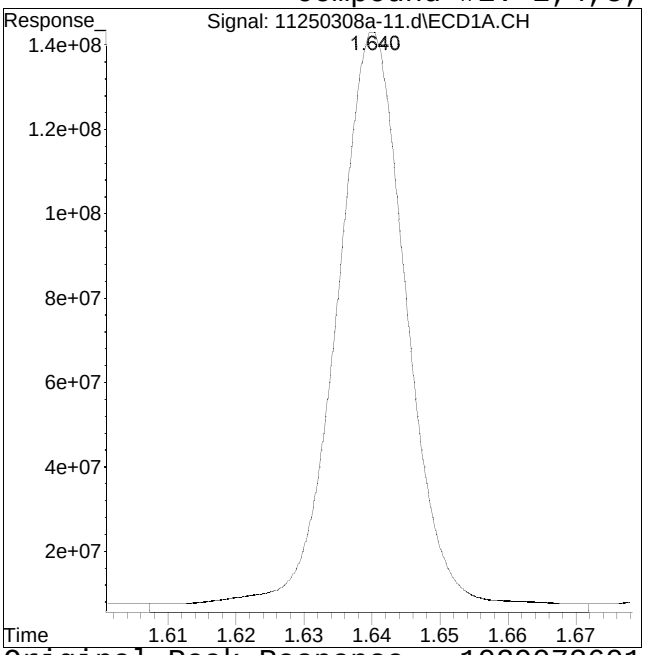


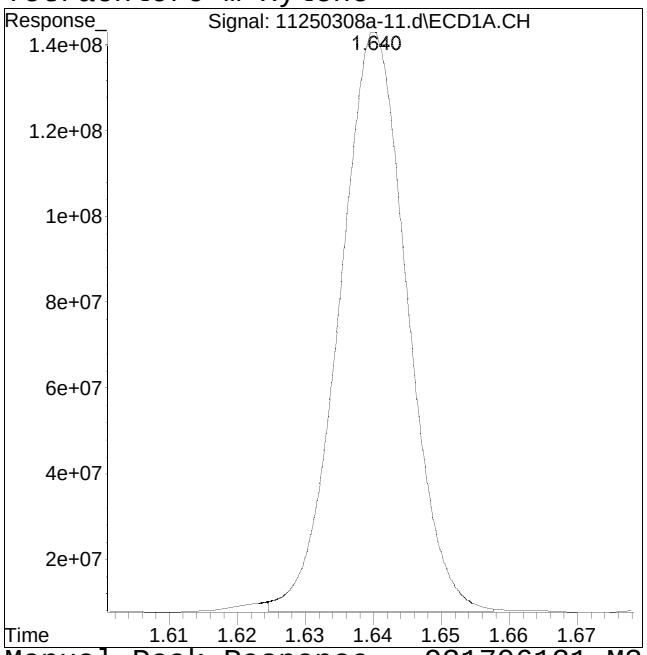
Original Peak Response = 221238339 Manual Peak Response = 213945060 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-11.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:12 Instrument : Pest 11
Sample : L2512368-08,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



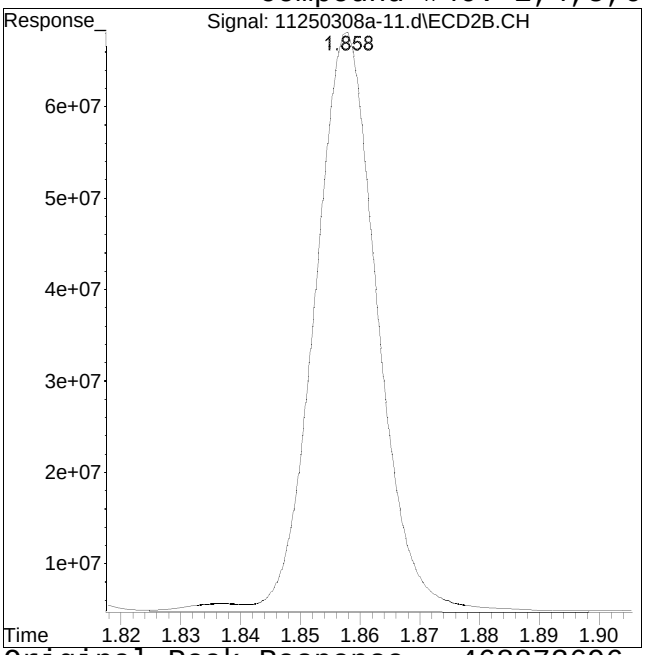


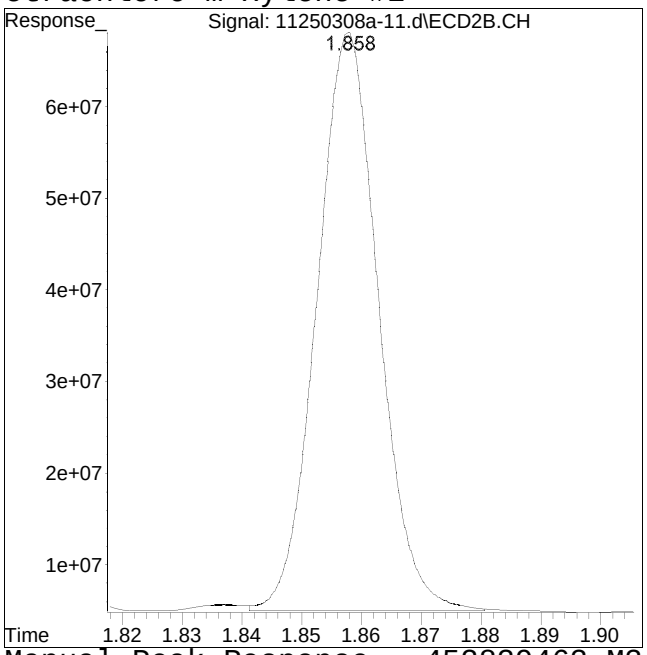
Original Peak Response = 1029073601 Manual Peak Response = 931706121 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-11.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:12 Instrument : Pest 11
Sample : L2512368-08,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



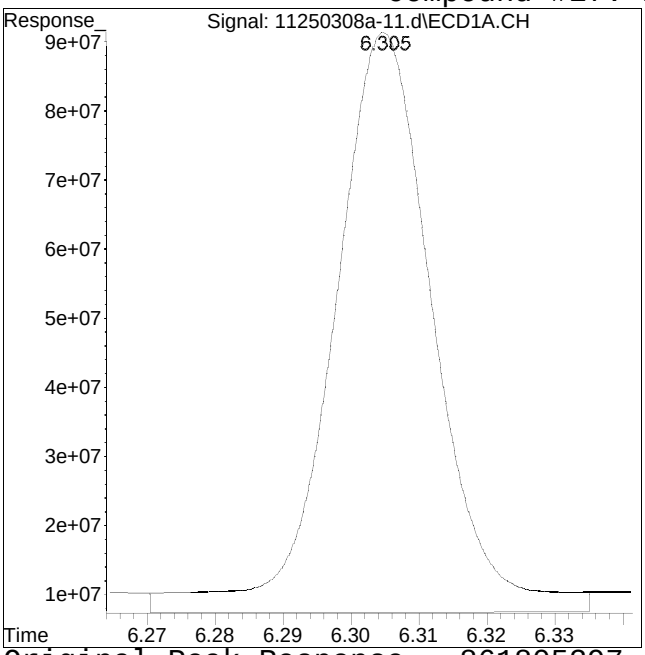


Original Peak Response = 468873696 Manual Peak Response = 452839463 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

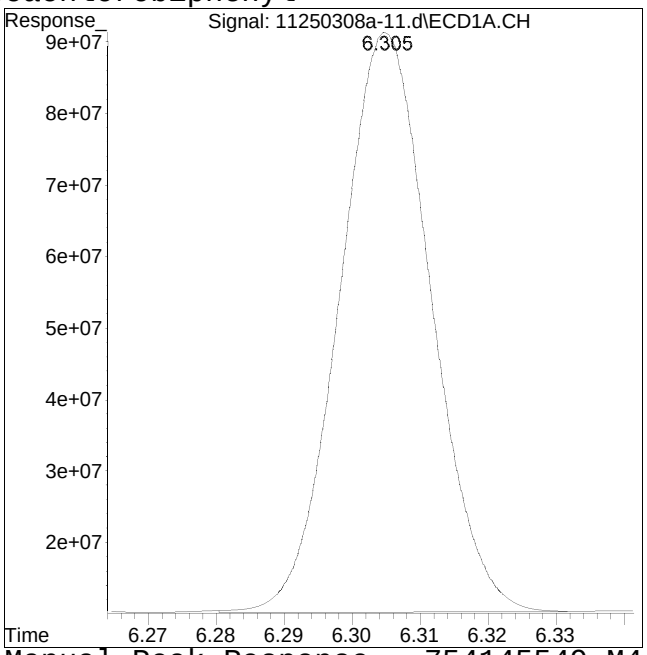
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-11.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:12 Instrument : Pest 11
Sample : L2512368-08,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #27: Decachlorobiphenyl



Original Peak Response = 861805397



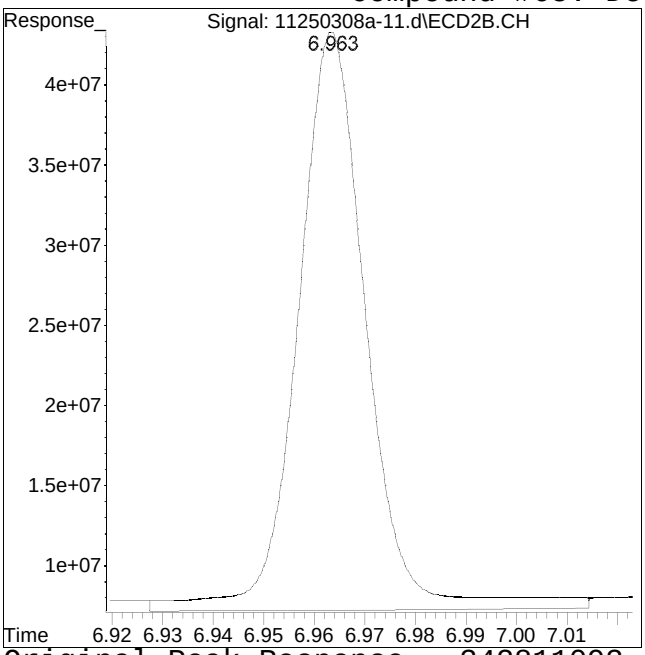
Manual Peak Response = 754145549 M4

M4 = Poor automated baseline construction.

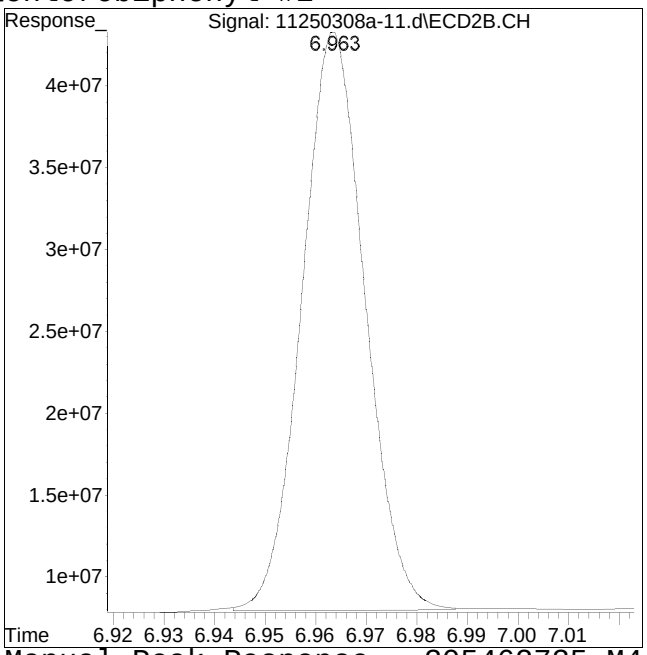
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-11.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:12 Instrument : Pest 11
Sample : L2512368-08,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 342811093



Manual Peak Response = 305462735 M4

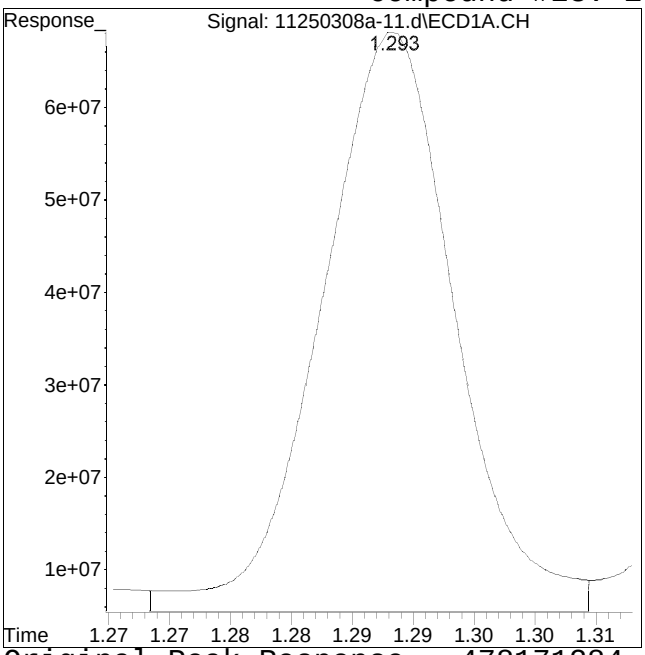
M4 = Poor automated baseline construction.

Manual Integration Report

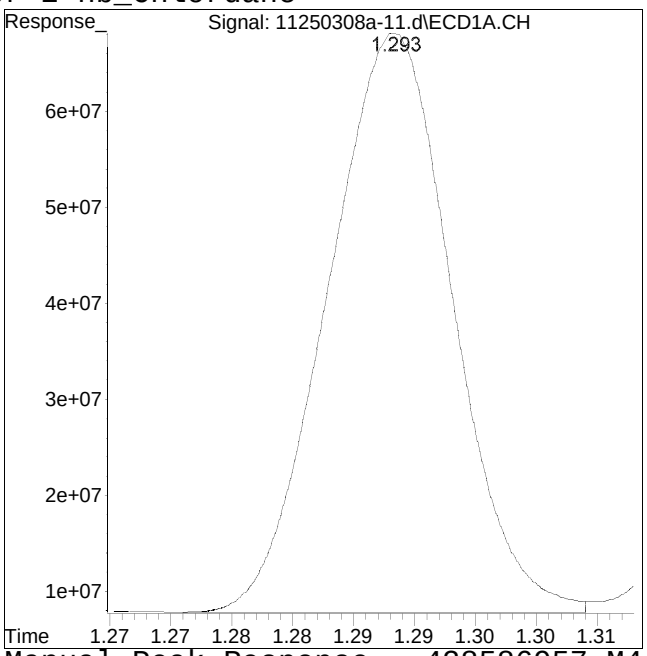
Data Path : I:\PEST\Pest11\2025\250308Q
Data File : 11250308a-11.d
Date Inj'd : 3/8/2025 8:12
Sample : L2512368-08,42,, rvt

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:peg
Instrument : Pest 11
Quant Date : 3/8/2025 12:15 pm

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 478171284



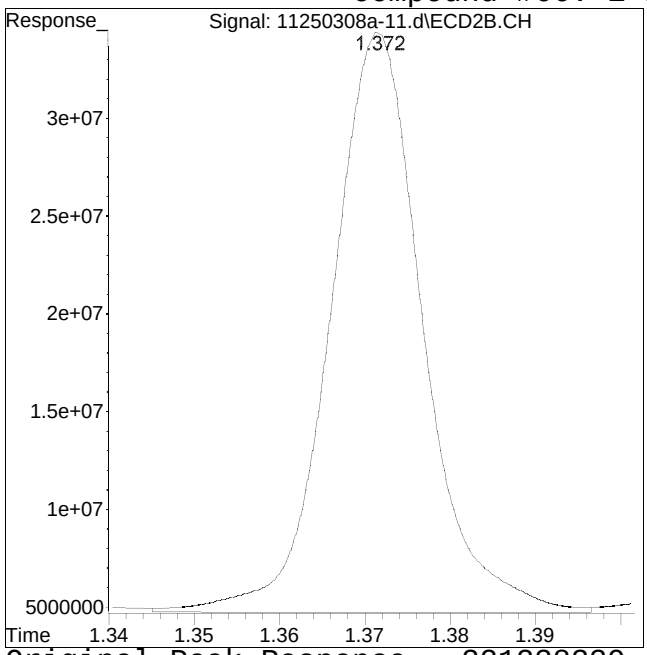
Manual Peak Response = 428586957 M4

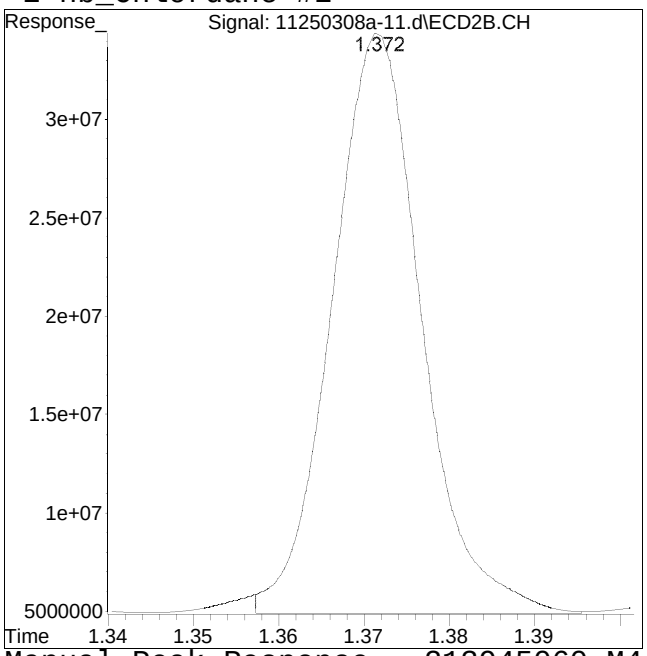
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-11.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:12 Instrument : Pest 11
Sample : L2512368-08,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #66: 1-br-2-nb_Chlordane #2



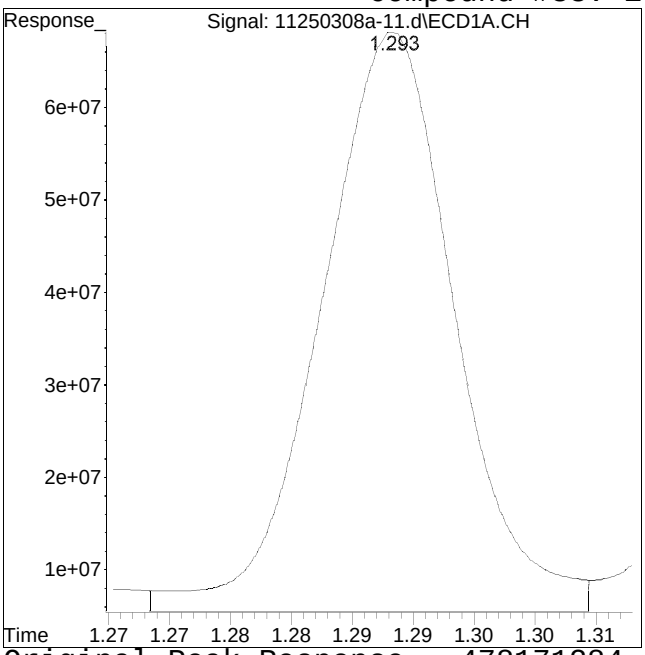


Original Peak Response = 221238339 Manual Peak Response = 213945060 M4
M4 = Poor automated baseline construction.

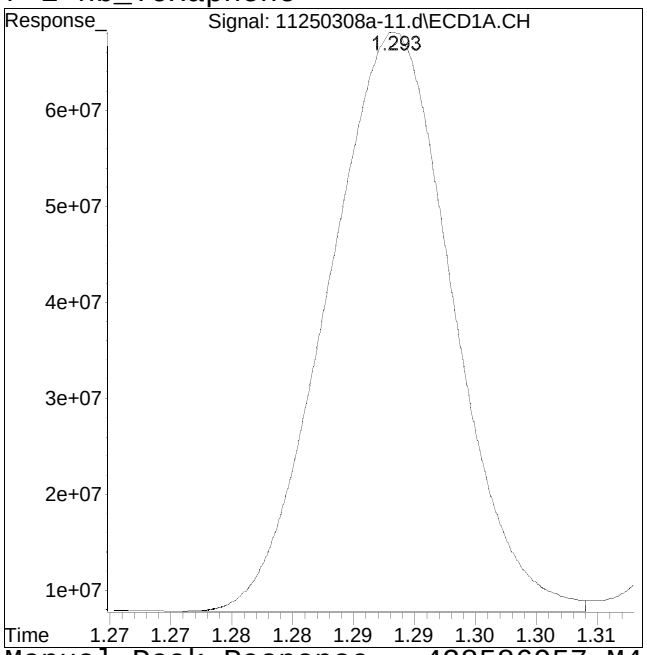
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-11.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:12 Instrument : Pest 11
Sample : L2512368-08,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 478171284



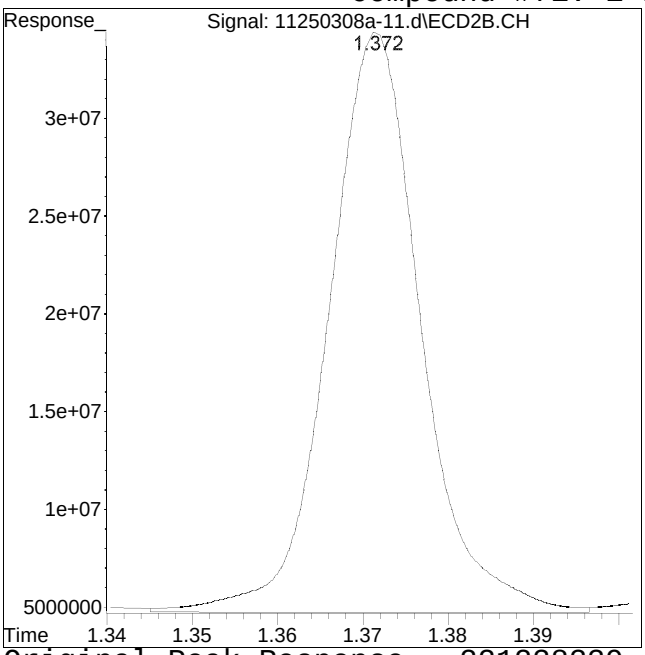
Manual Peak Response = 428586957 M4

M4 = Poor automated baseline construction.

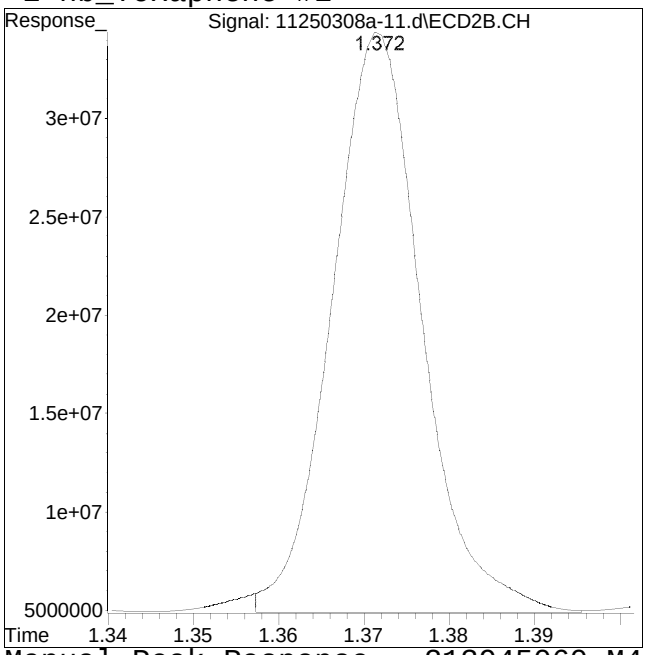
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-11.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:12 Instrument : Pest 11
Sample : L2512368-08,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #71: 1-br-2-nb_Toxaphene #2



Original Peak Response = 221238339



Manual Peak Response = 213945060 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 8:24
Operator : PEST11:peg
Sample : L2512368-10,42,, rvt p
Misc : wg2038031,WG2037965,ical21853
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 12:15:34 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:00:56 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2025\250308A\11250308a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.292	1.371	410.9E6	203.6E6	25.000M4	25.000
	Standard Area 1 : #1 = 378270952				Recovery = 108.62%		
	Standard Area 1 : #2 = 220505210				Recovery = 92.34%		
28) i	1-br-2-nb_Ch	1.292	1.371	410.9E6	203.6E6	25.000M4	25.000
33) i	1-br-2-nb_To	1.292	1.371	410.9E6	203.6E6	25.000M4	25.000
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.639	1.857	793.7E6	369.1E6	39.790M4	43.404M4
	Spiked Amount 50.000	Range 30 - 150			Recovery = 79.58%		86.81%
27) s	Decachlorobi	6.305	6.964	692.6E6	267.4E6	36.642M4	35.624M4
	Spiked Amount 50.000	Range 30 - 150			Recovery = 73.28%		71.25%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 8:24
Operator : PEST11:peg
Sample : L2512368-10,42,, rvt p
Misc : wg2038031,WG2037965,ical21853
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 12:15:34 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:00:56 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2025\250308A\11250308a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	4.627	5.365	11586636	6515395	0.648M4	0.743M4
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

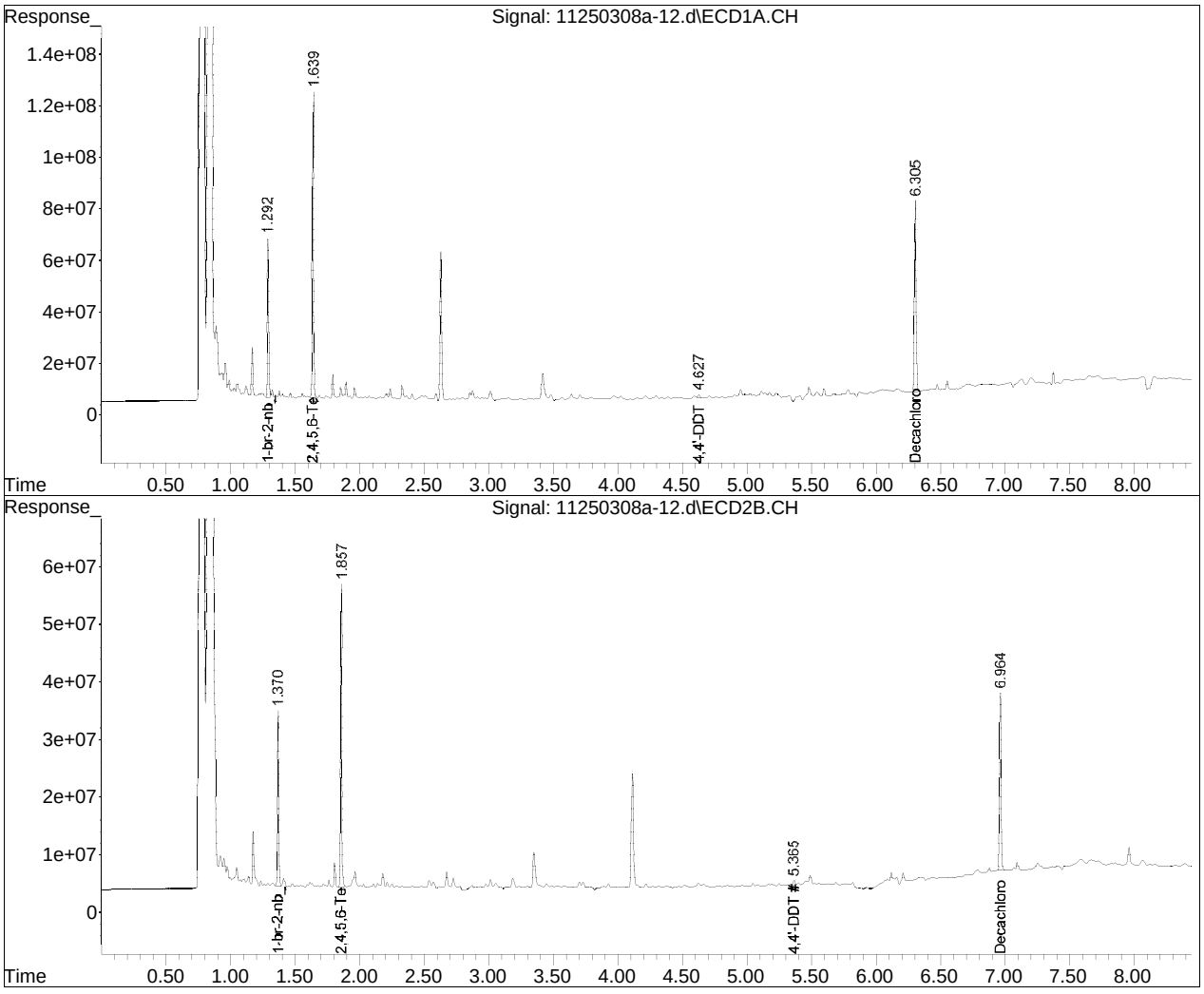
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\11250308a-03.d•

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 8:24
Operator : PEST11:peg
Sample : L2512368-10,42,, rvt p
Misc : wg2038031,WG2037965,ical21853
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 12:15:34 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:00:56 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

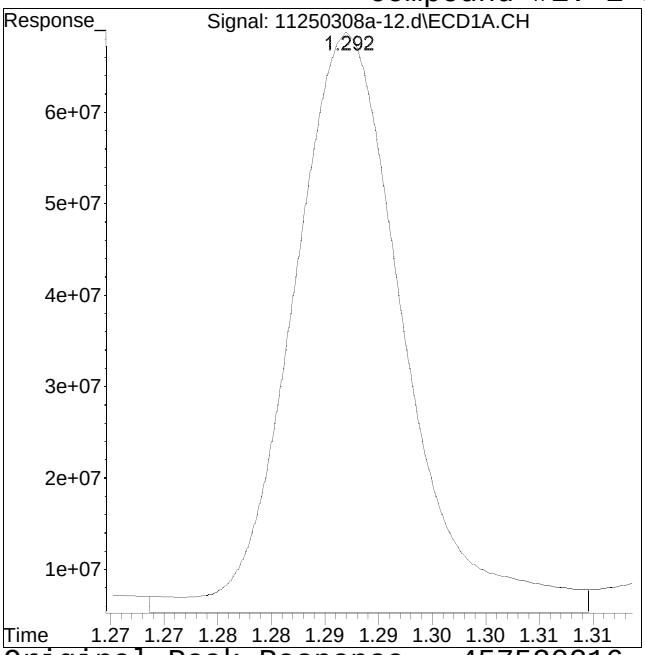
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



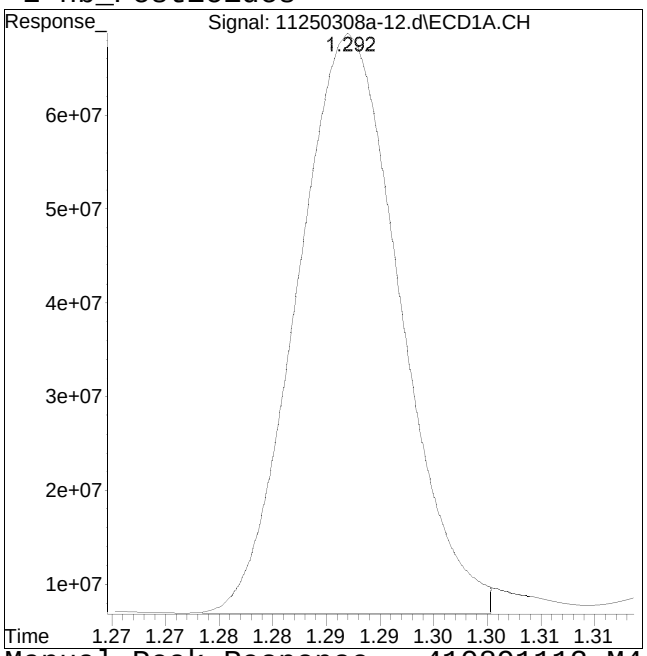
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-12.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:24 Instrument : Pest 11
Sample : L2512368-10,42,, rvt p Quant Date : 3/8/2025 12:15 pm

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 457520216

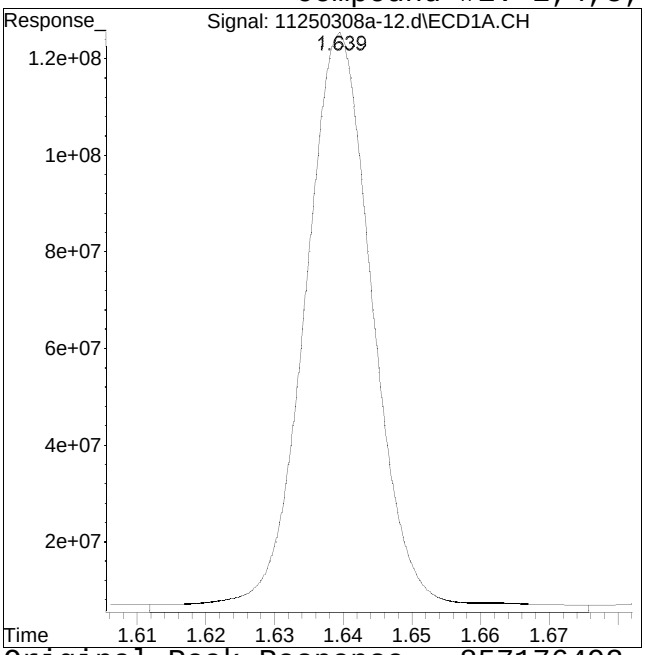


Manual Peak Response = 410891112 M4
M4 = Poor automated baseline construction.

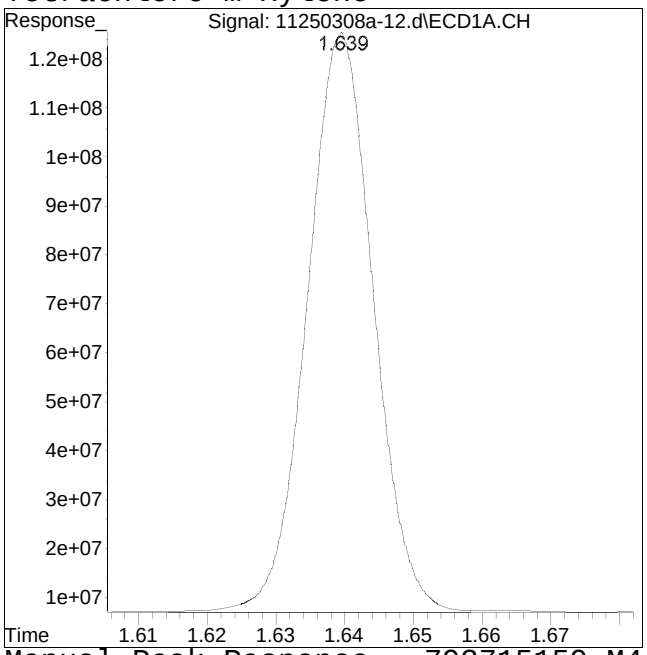
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-12.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:24 Instrument : Pest 11
Sample : L2512368-10,42,, rvt p Quant Date : 3/8/2025 12:15 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 857176492



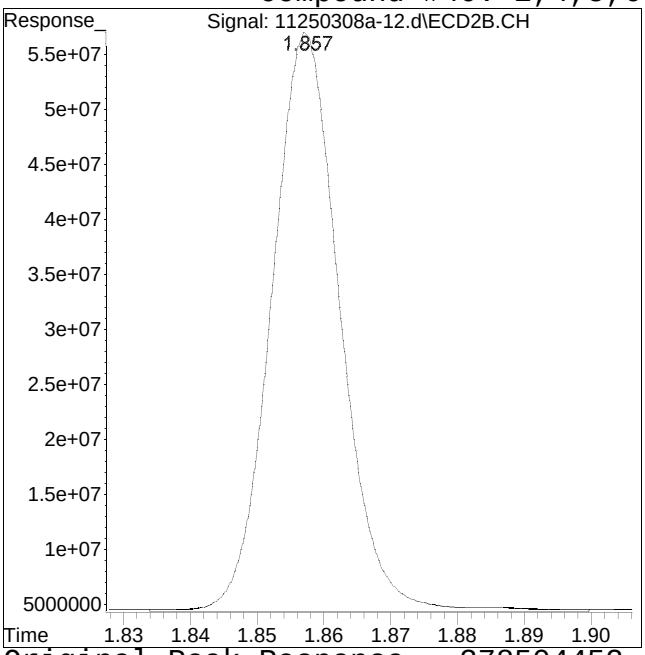
Manual Peak Response = 793715159 M4

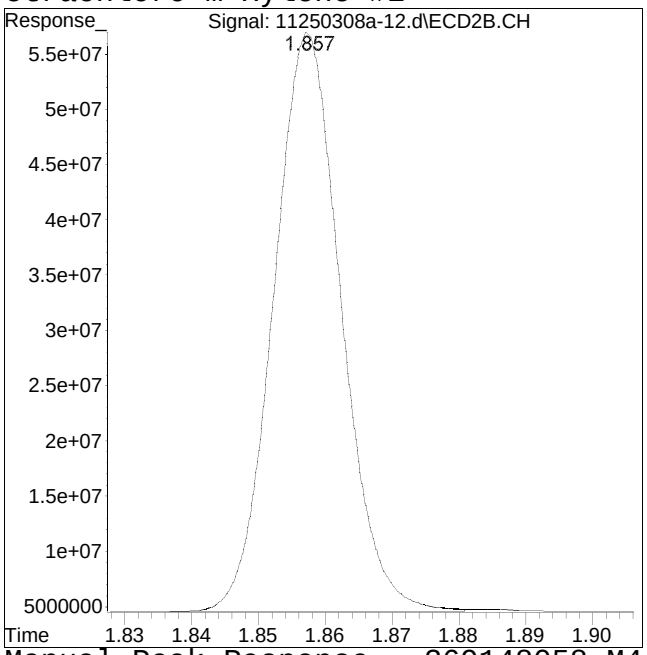
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-12.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:24 Instrument : Pest 11
Sample : L2512368-10,42,, rvt p Quant Date : 3/8/2025 12:15 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



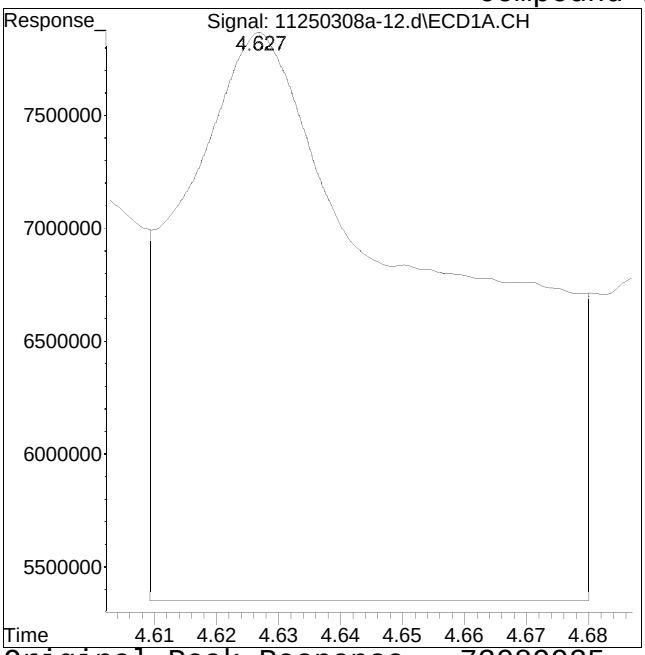


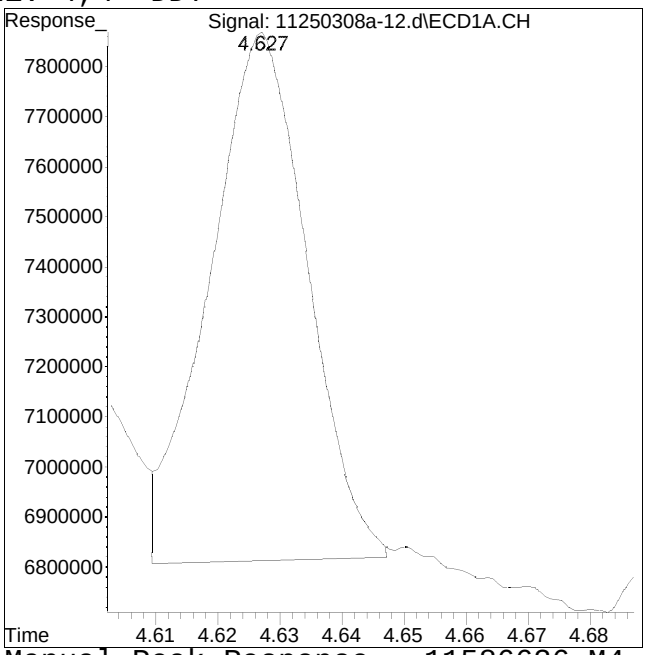
Original Peak Response = 378504452 Manual Peak Response = 369148058 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-12.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:24 Instrument : Pest 11
Sample : L2512368-10,42,, rvt p Quant Date : 3/8/2025 12:15 pm

Compound #21: 4,4'-DDT



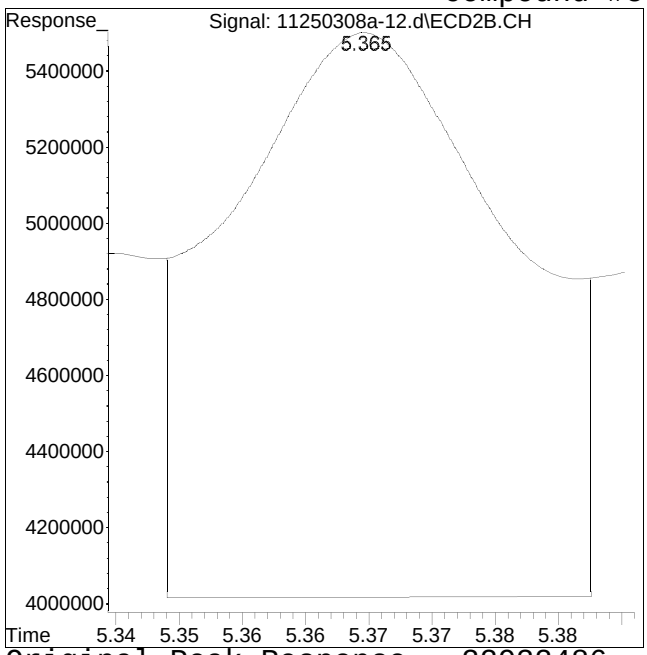


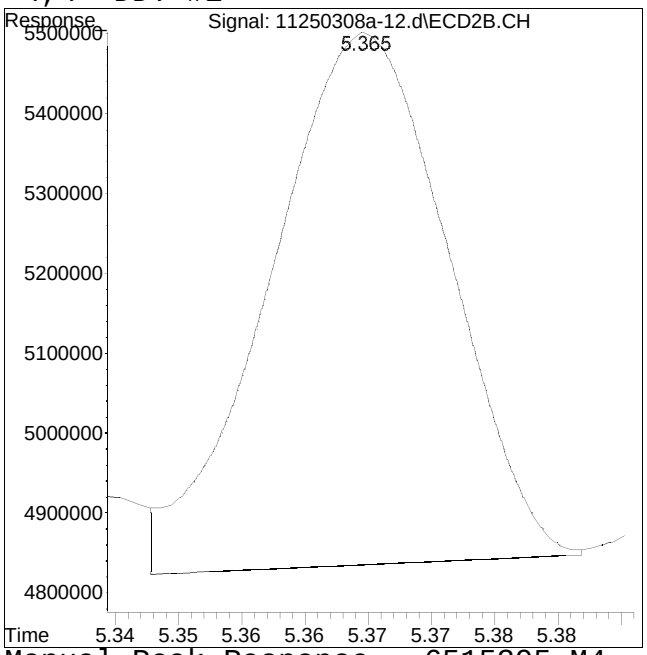
Original Peak Response = 73089935 Manual Peak Response = 11586636 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-12.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:24 Instrument : Pest 11
Sample : L2512368-10,42,, rvt p Quant Date : 3/8/2025 12:15 pm

Compound #59: 4,4'-DDT #2



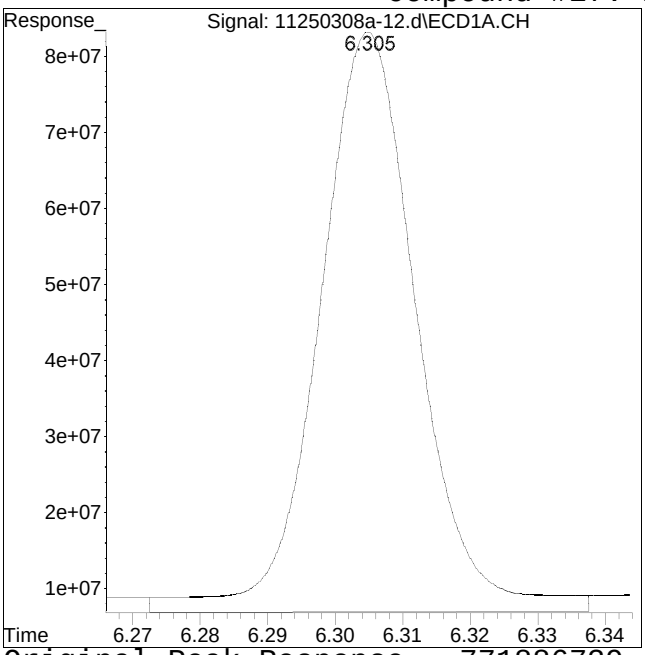


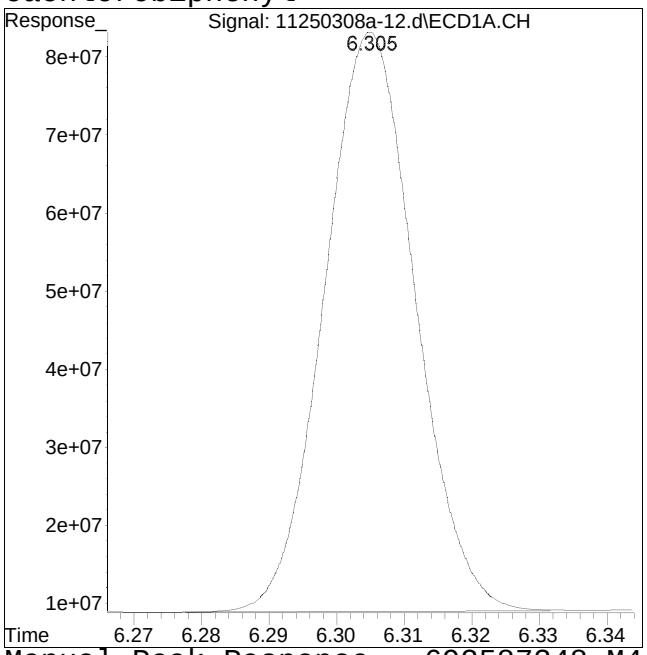
Original Peak Response = 22932486 Manual Peak Response = 6515395 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-12.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:24 Instrument : Pest 11
Sample : L2512368-10,42,, rvt p Quant Date : 3/8/2025 12:15 pm

Compound #27: Decachlorobiphenyl



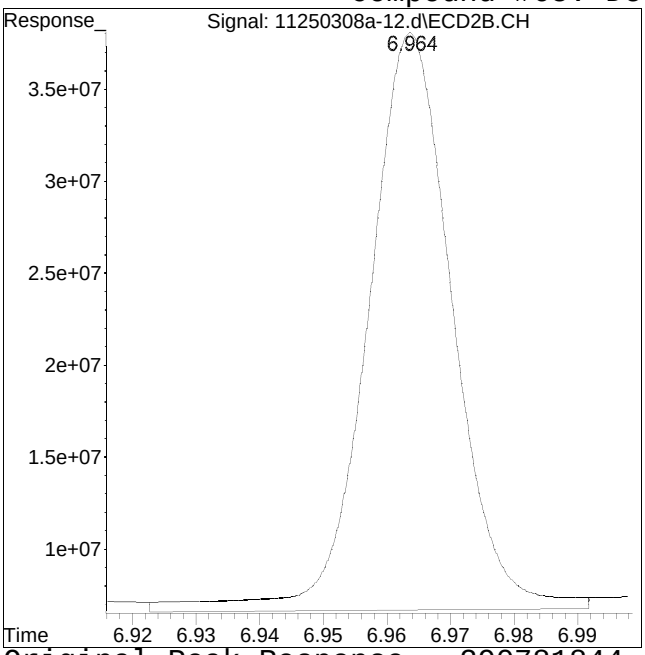


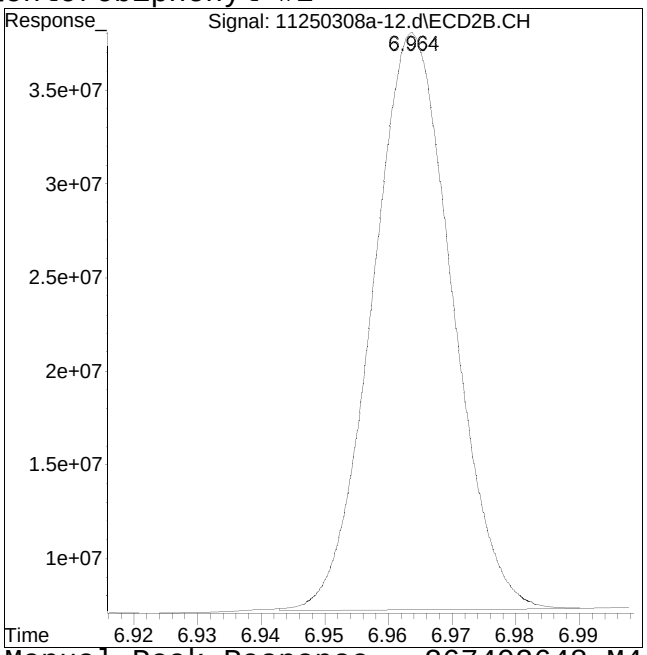
Original Peak Response = 771886739 Manual Peak Response = 692587348 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-12.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:24 Instrument : Pest 11
Sample : L2512368-10,42,, rvt p Quant Date : 3/8/2025 12:15 pm

Compound #65: Decachlorobiphenyl #2



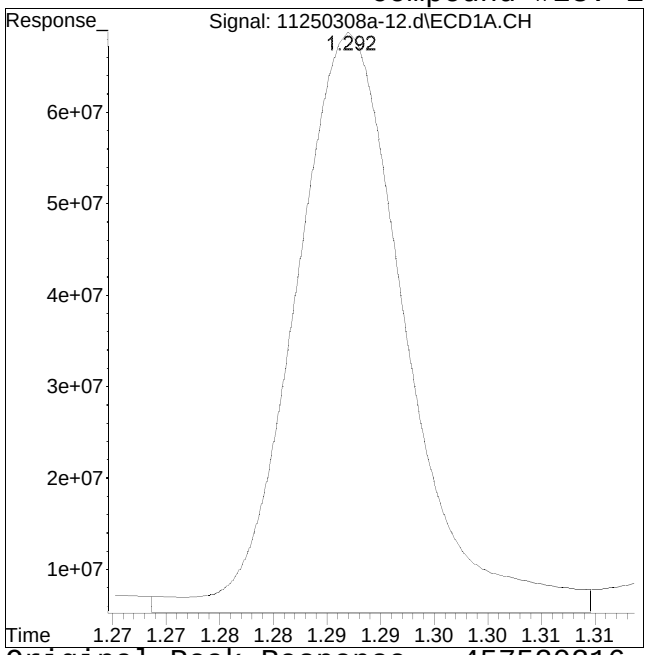


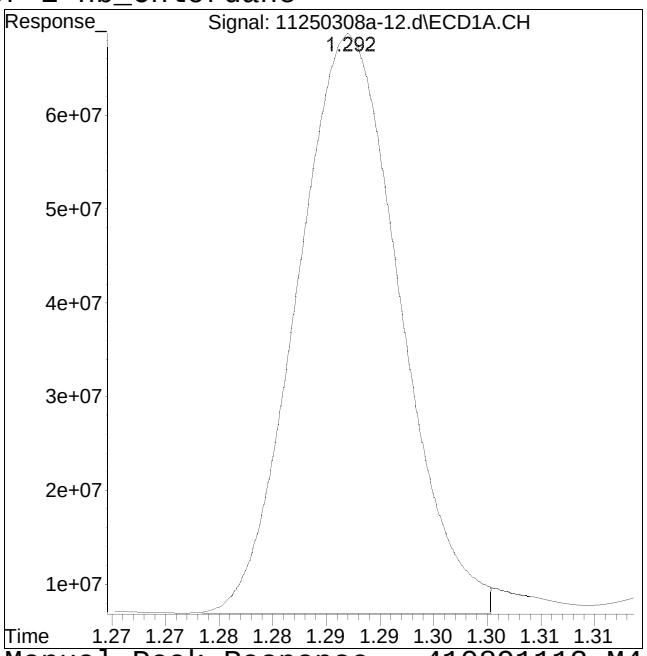
Original Peak Response = 290781844 Manual Peak Response = 267402648 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-12.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:24 Instrument : Pest 11
Sample : L2512368-10,42,, rvt p Quant Date : 3/8/2025 12:15 pm

Compound #28: 1-br-2-nb_Chlordane



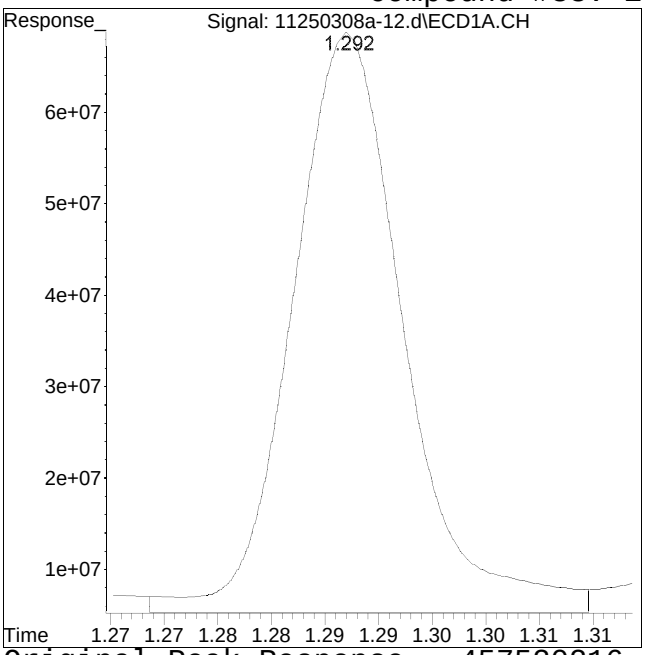


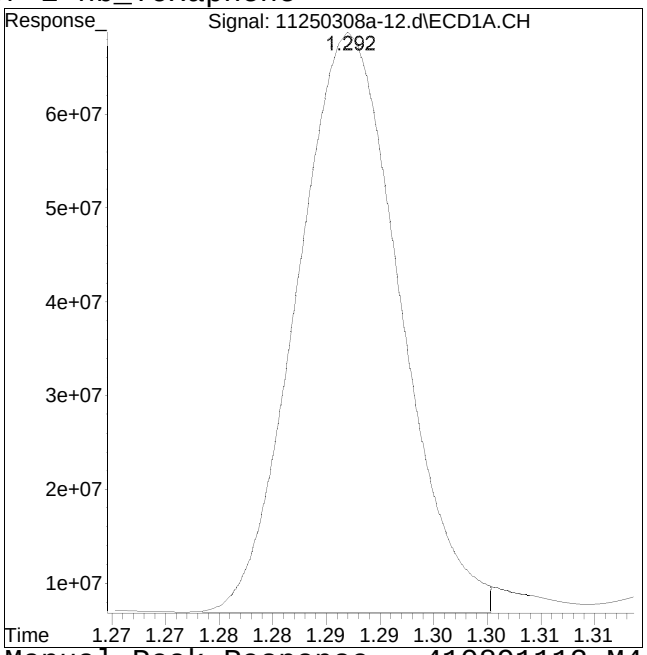
Original Peak Response = 457520216 Manual Peak Response = 410891112 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-12.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:24 Instrument : Pest 11
Sample : L2512368-10,42,, rvt p Quant Date : 3/8/2025 12:15 pm

Compound #33: 1-br-2-nb_Toxaphene





Original Peak Response = 457520216 Manual Peak Response = 410891112 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 8:59
Operator : PEST11:peg
Sample : L2512368-11,42,, rvt
Misc : wg2038031,WG2037965,ical21853
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 12:15:42 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:00:56 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2025\250308A\11250308a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.293	1.371	411.4E6	196.0E6	25.000M4	25.000M3
	Standard Area 1 : #1 = 378270952				Recovery = 108.75%		
	Standard Area 1 : #2 = 220505210				Recovery = 88.88%		
28) i	1-br-2-nb_Ch	1.293	1.371	411.4E6	196.0E6	25.000M4	25.000M3
33) i	1-br-2-nb_To	1.293	1.371	411.4E6	196.0E6	25.000M4	25.000M3
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.640	1.858	823.7E6	375.2E6	41.245M4	45.831M4
	Spiked Amount 50.000	Range 30 - 150			Recovery = 82.49%		91.66%
27) s	Decachlorobi	6.305	6.964	732.0E6	284.9E6	38.680M4	39.430M3
	Spiked Amount 50.000	Range 30 - 150			Recovery = 77.36%		78.86%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 8:59
Operator : PEST11:peg
Sample : L2512368-11,42,, rvt
Misc : wg2038031,WG2037965,ical21853
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 12:15:42 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:00:56 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2025\250308A\11250308a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

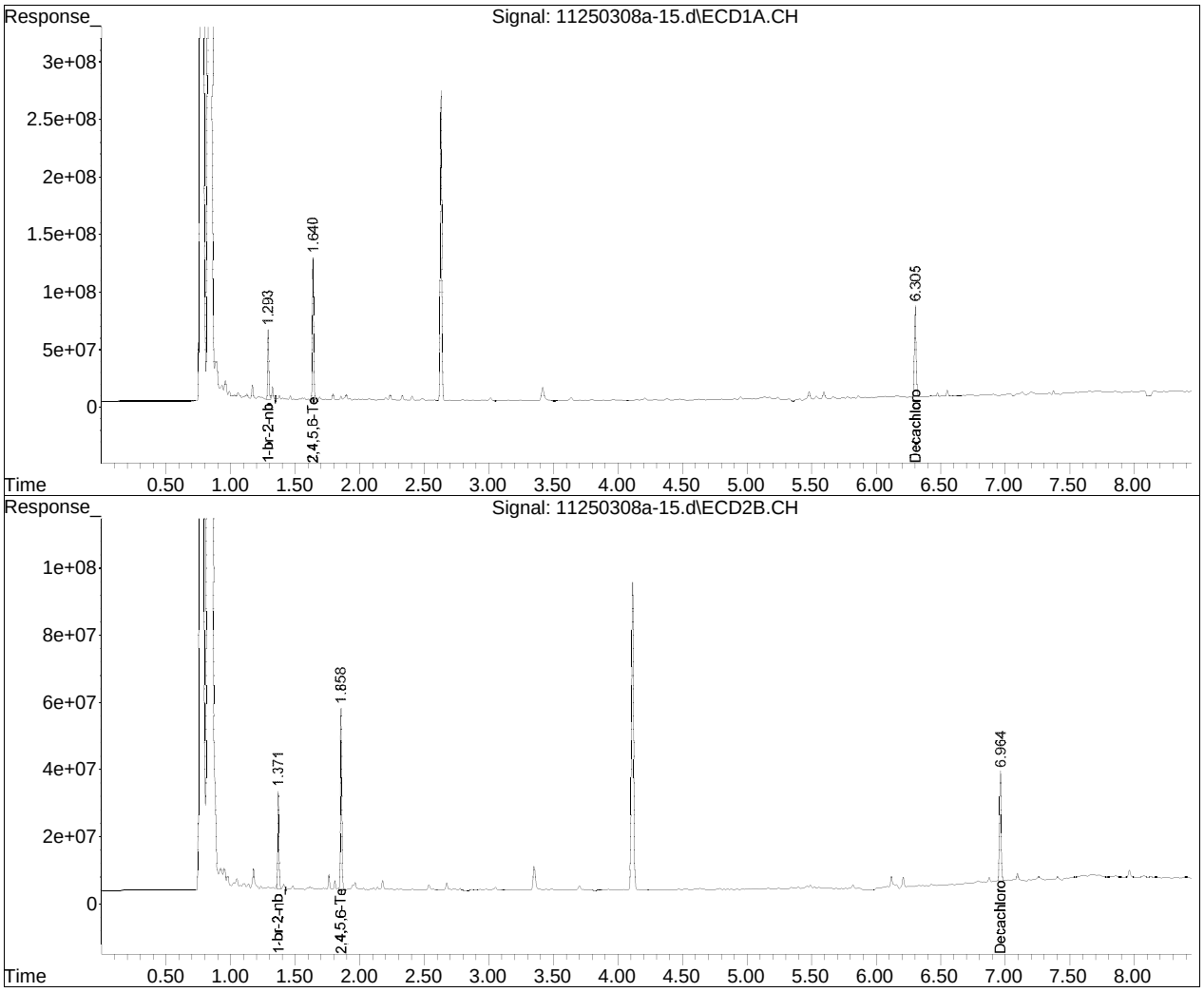
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\11250308a-03.d•

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 8:59
Operator : PEST11:peg
Sample : L2512368-11,42,, rvt
Misc : wg2038031,WG2037965,ical21853
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 12:15:42 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:00:56 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

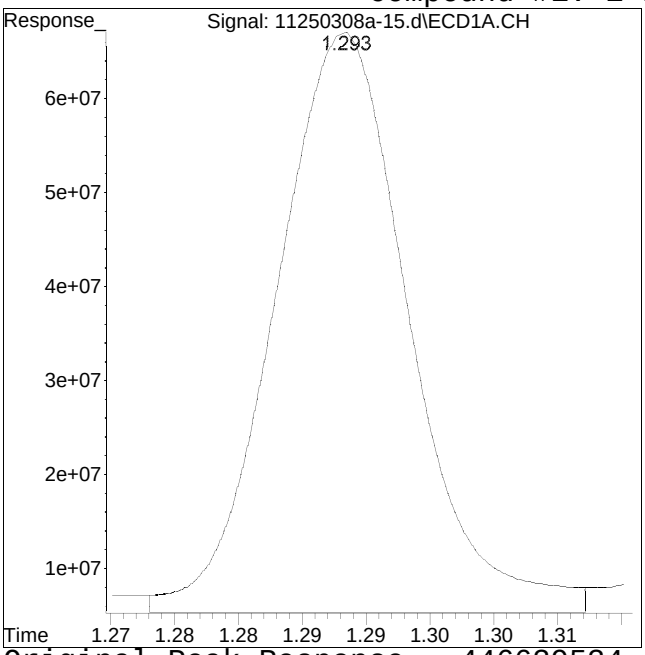
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



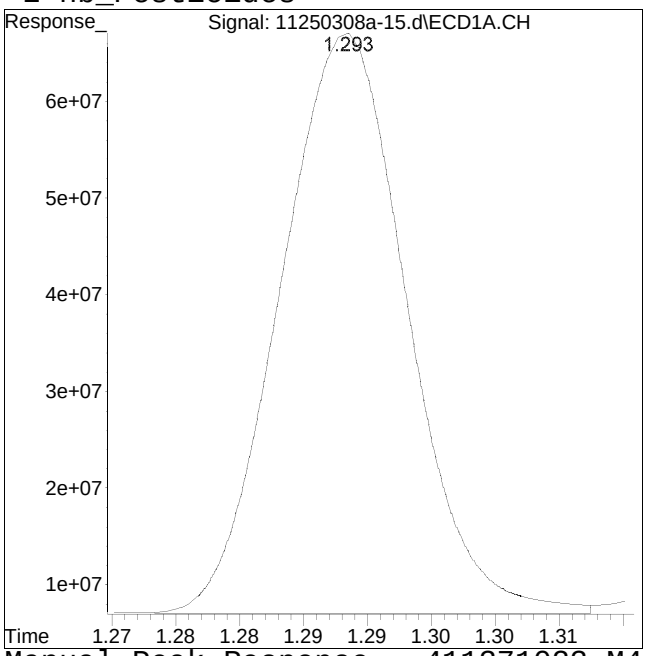
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-15.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:59 Instrument : Pest 11
Sample : L2512368-11,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 446639534



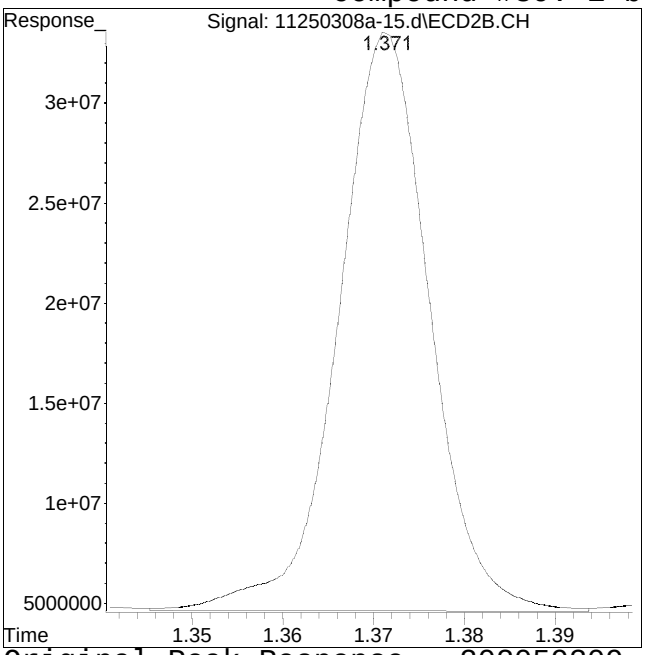
Manual Peak Response = 411371023 M4

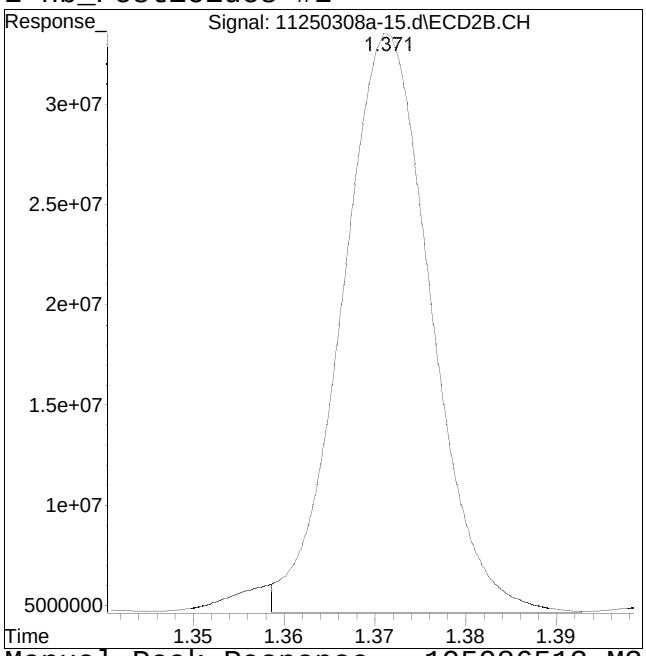
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-15.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:59 Instrument : Pest 11
Sample : L2512368-11,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #39: 1-br-2-nb_Pesticides #2



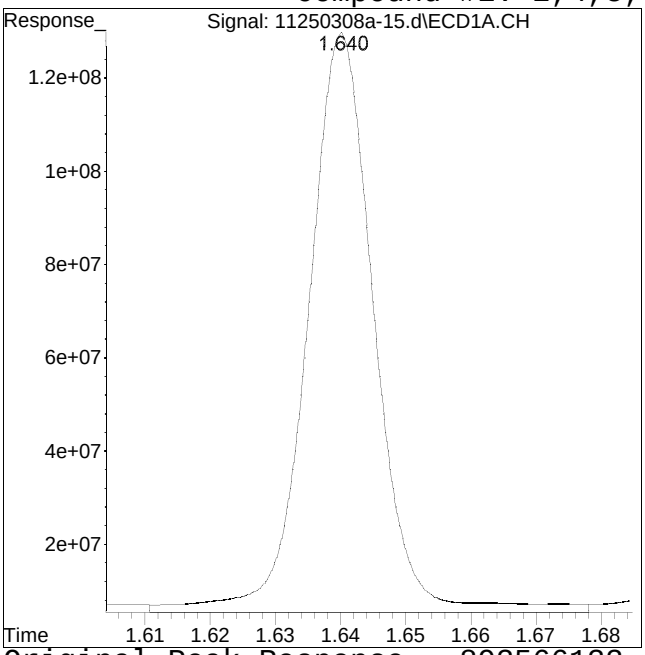


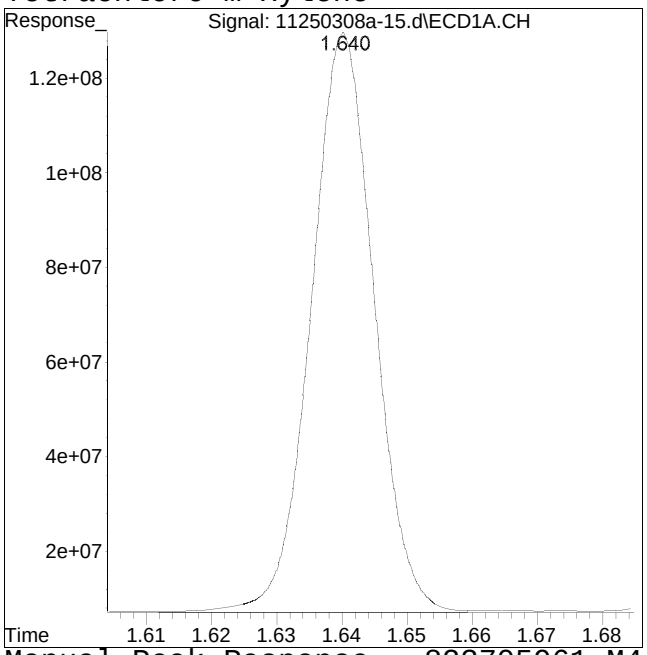
Original Peak Response = 202059309 Manual Peak Response = 195986513 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-15.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:59 Instrument : Pest 11
Sample : L2512368-11,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



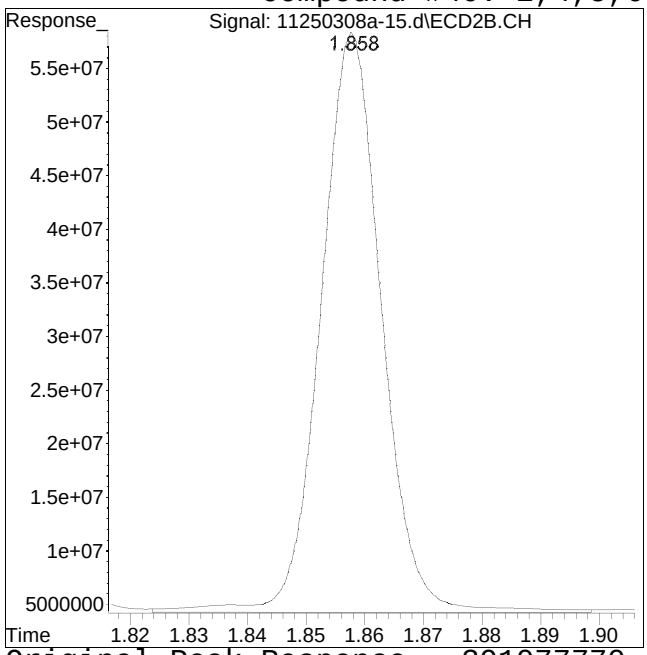


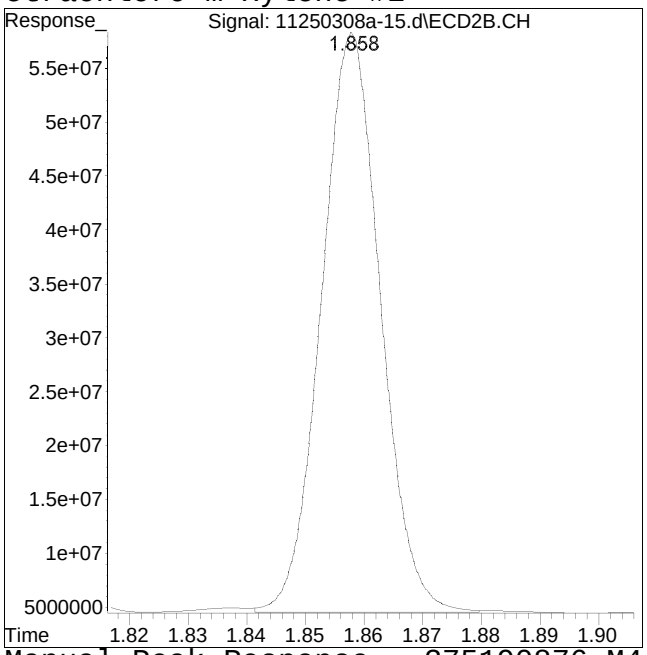
Original Peak Response = 893566133 Manual Peak Response = 823705961 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-15.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:59 Instrument : Pest 11
Sample : L2512368-11,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



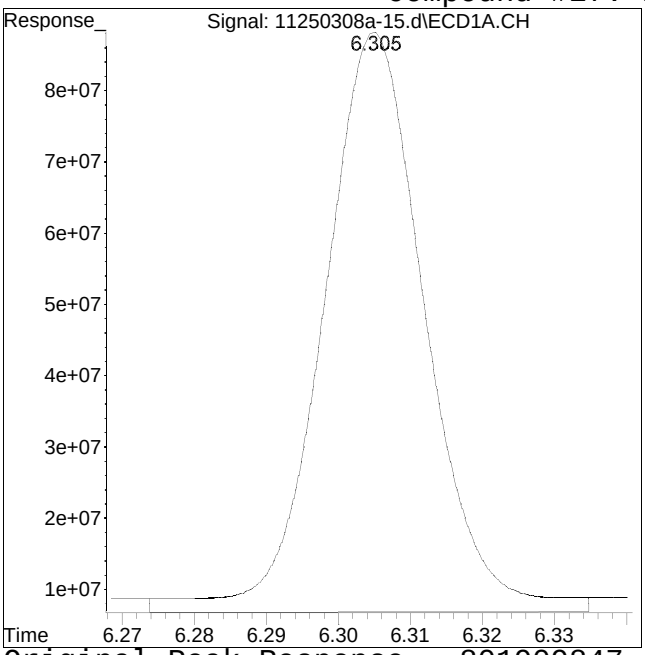


Original Peak Response = 391077770 Manual Peak Response = 375190876 M4
M4 = Poor automated baseline construction.

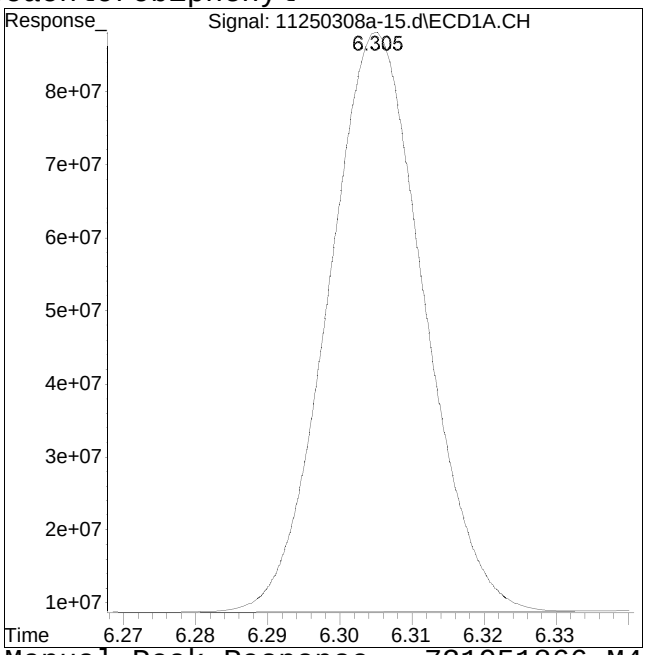
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-15.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:59 Instrument : Pest 11
Sample : L2512368-11,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #27: Decachlorobiphenyl



Original Peak Response = 801909847



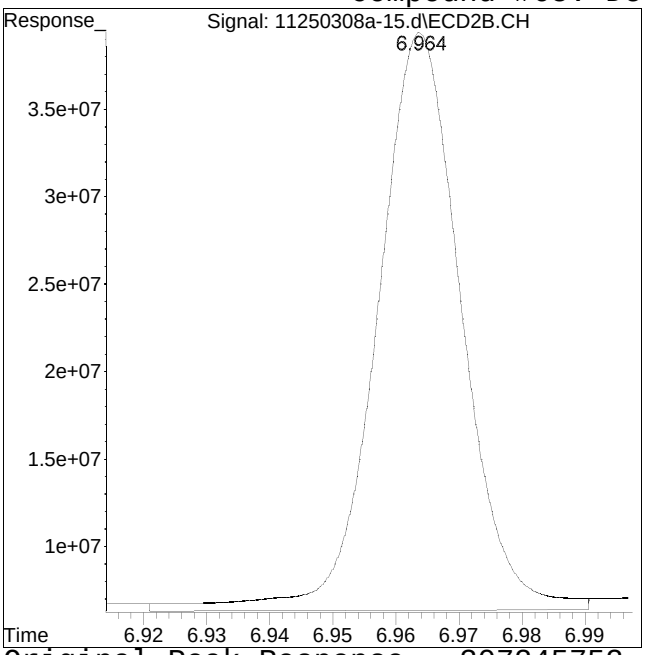
Manual Peak Response = 731951866 M4

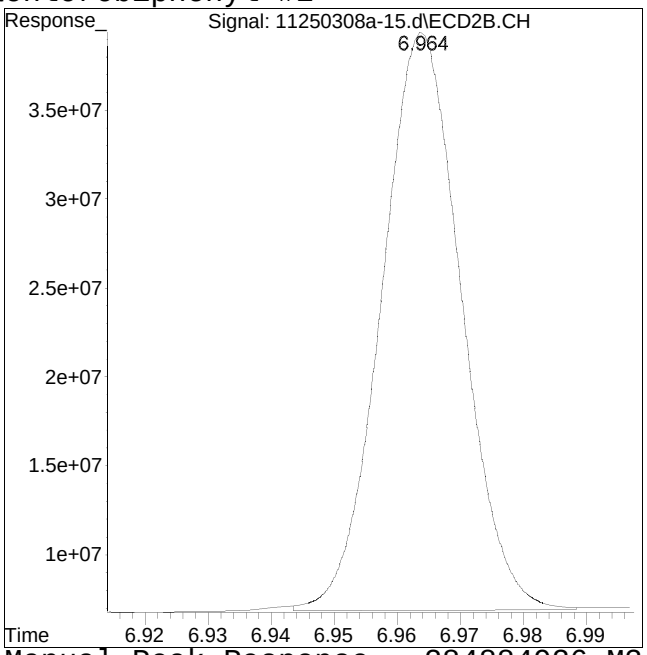
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-15.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:59 Instrument : Pest 11
Sample : L2512368-11,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #65: Decachlorobiphenyl #2



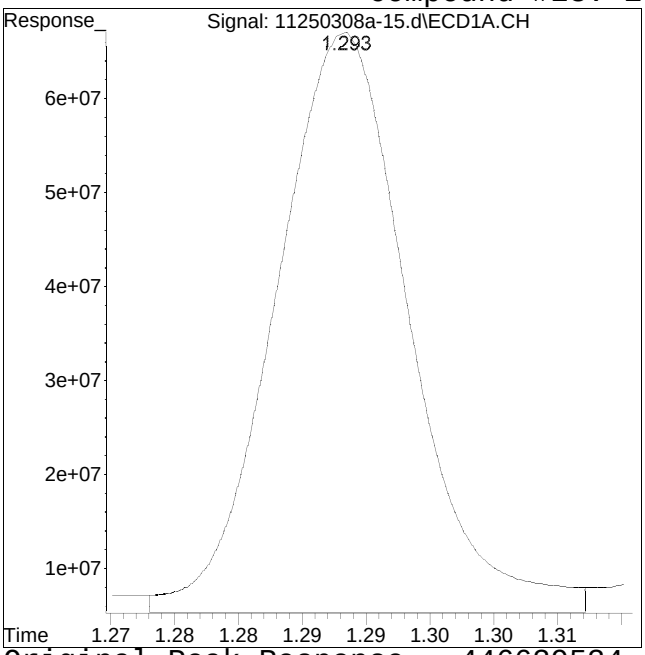


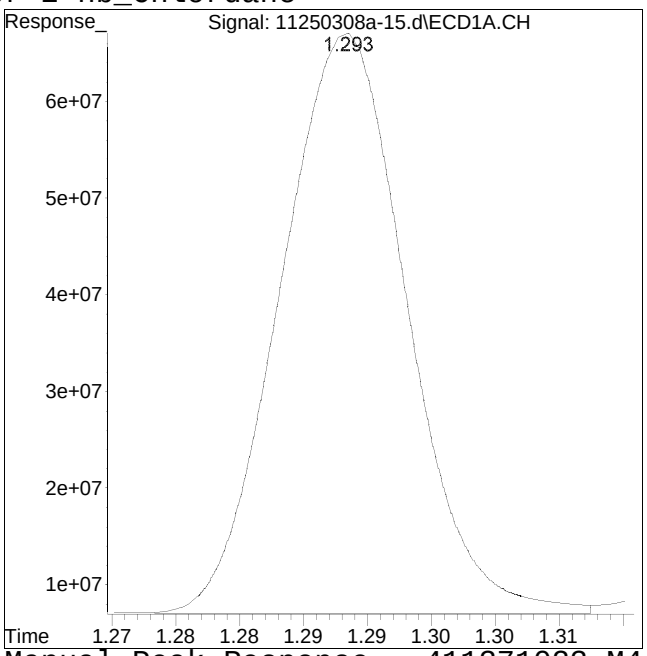
Original Peak Response = 307245752 Manual Peak Response = 284884926 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-15.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:59 Instrument : Pest 11
Sample : L2512368-11,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #28: 1-br-2-nb_Chlordane



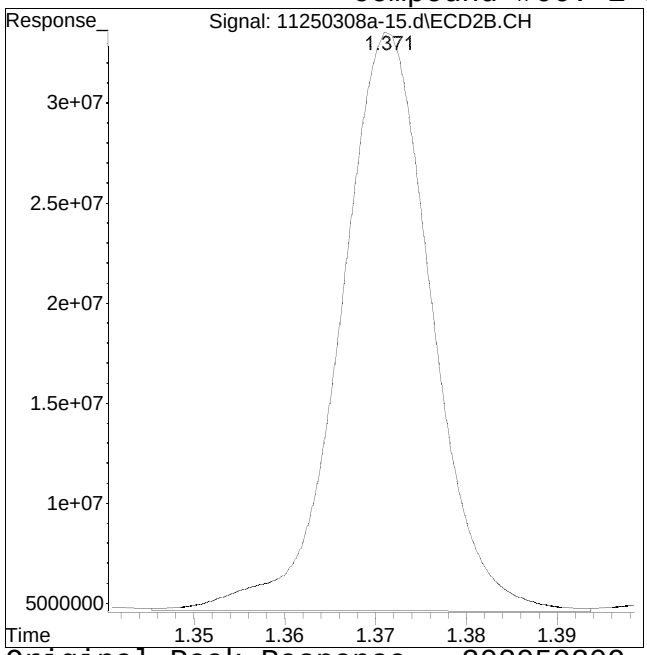


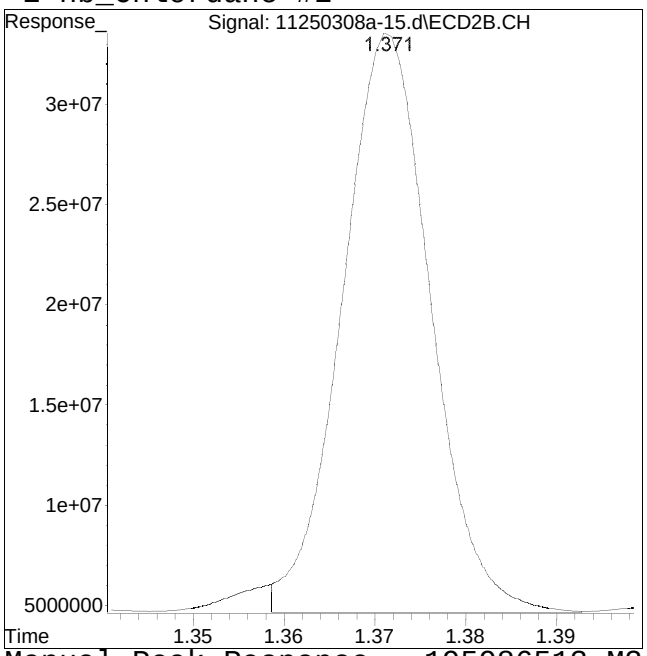
Original Peak Response = 446639534 Manual Peak Response = 411371023 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-15.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:59 Instrument : Pest 11
Sample : L2512368-11,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #66: 1-br-2-nb_Chlordane #2



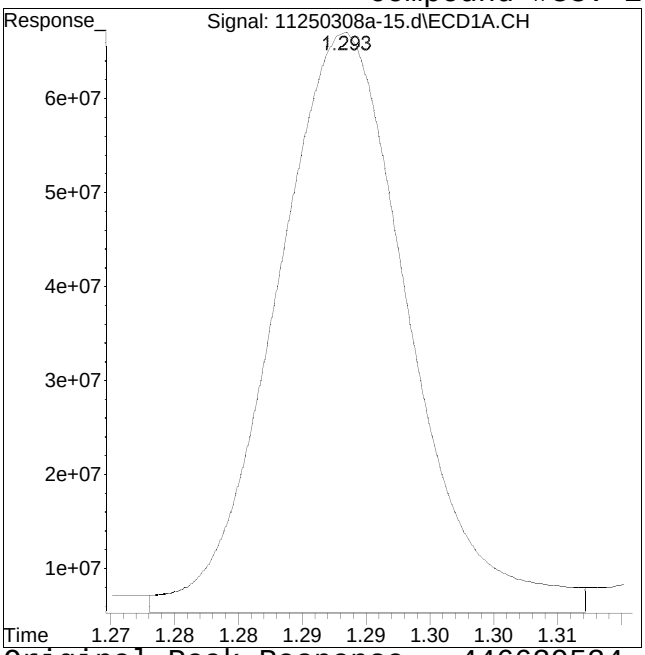


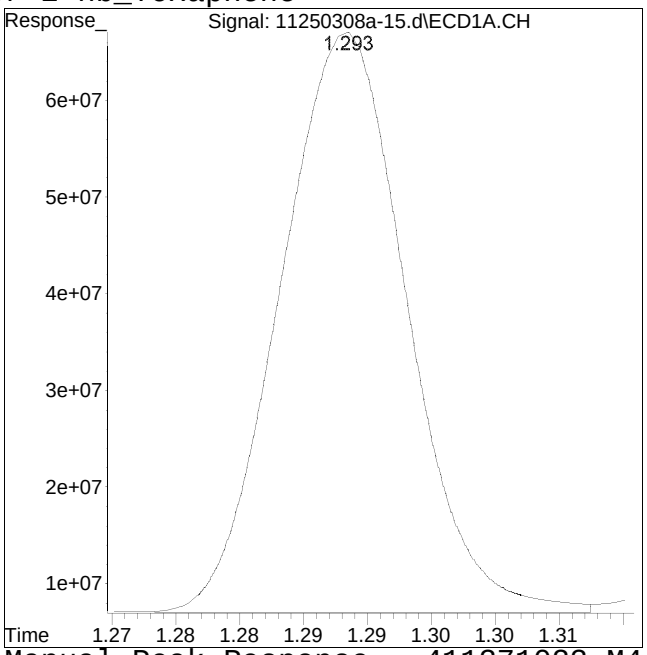
Original Peak Response = 202059309 Manual Peak Response = 195986513 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-15.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:59 Instrument : Pest 11
Sample : L2512368-11,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #33: 1-br-2-nb_Toxaphene



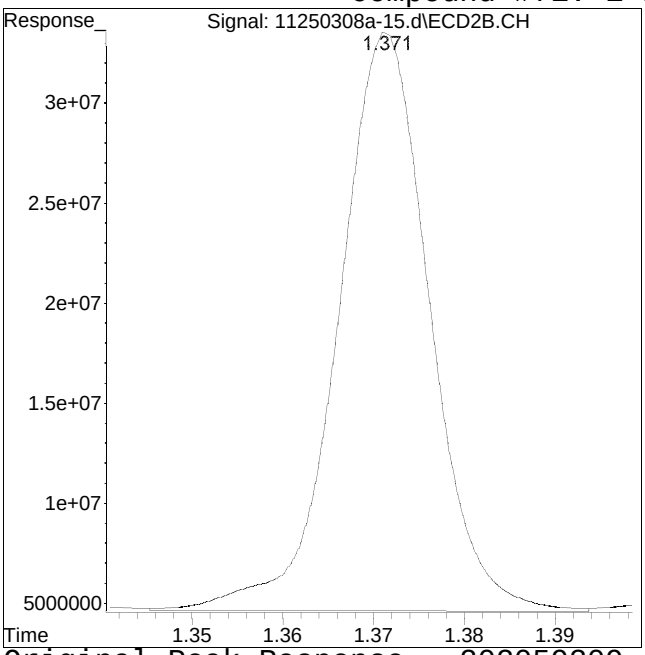


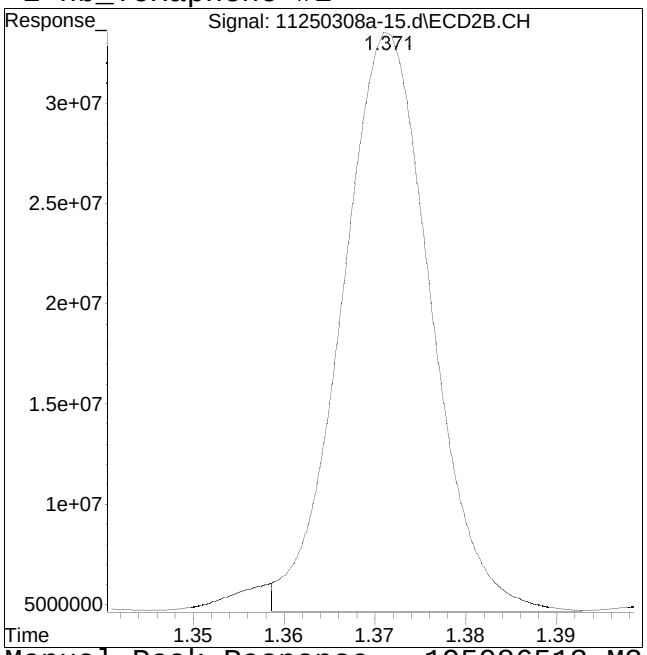
Original Peak Response = 446639534 Manual Peak Response = 411371023 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-15.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:59 Instrument : Pest 11
Sample : L2512368-11,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 202059309 Manual Peak Response = 195986513 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-16.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 9:11
Operator : PEST11:peg
Sample : L2512368-16,42,, rvt
Misc : wg2038031,WG2037965,ical21853
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 12:15:45 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:00:56 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2025\250308A\11250308a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.293	1.371	367.2E6	195.1E6	25.000M4	25.000M4
	Standard Area 1 : #1 = 378270952				Recovery =	97.08%	
	Standard Area 1 : #2 = 220505210				Recovery =	88.49%	
28) i	1-br-2-nb_Ch	1.293	1.371	367.2E6	195.1E6	25.000M4	25.000M4
33) i	1-br-2-nb_To	1.293	1.371	367.2E6	195.1E6	25.000M4	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.640	1.858	820.5E6	377.7E6	46.021M4	46.343M4
	Spiked Amount	50.000	Range 30 - 150		Recovery =	92.04%	92.69%
27) s	Decachlorobi	6.305	6.964	723.5E6	292.6E6	42.831M4	40.680M4
	Spiked Amount	50.000	Range 30 - 150		Recovery =	85.66%	81.36%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-16.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 9:11
Operator : PEST11:peg
Sample : L2512368-16,42,, rvt
Misc : wg2038031,WG2037965,ical21853
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 12:15:45 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:00:56 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2025\250308A\11250308a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000
SemiQuant	Compounds - Not Calibrated on this Instrument						
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

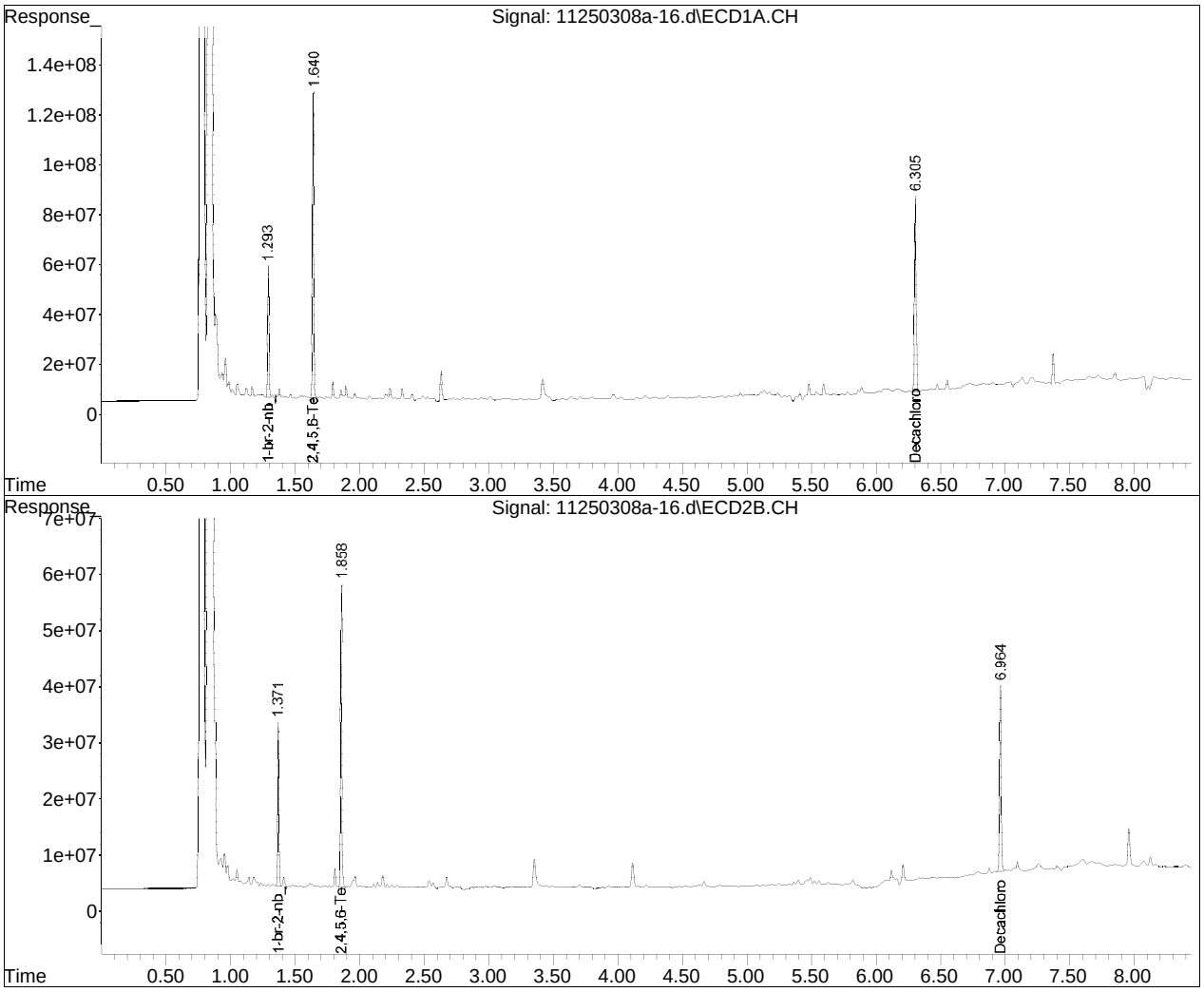
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\11250308a-03.d•

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-16.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 9:11
Operator : PEST11:peg
Sample : L2512368-16,42,, rvt
Misc : wg2038031,WG2037965,ical21853
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 12:15:45 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:00:56 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

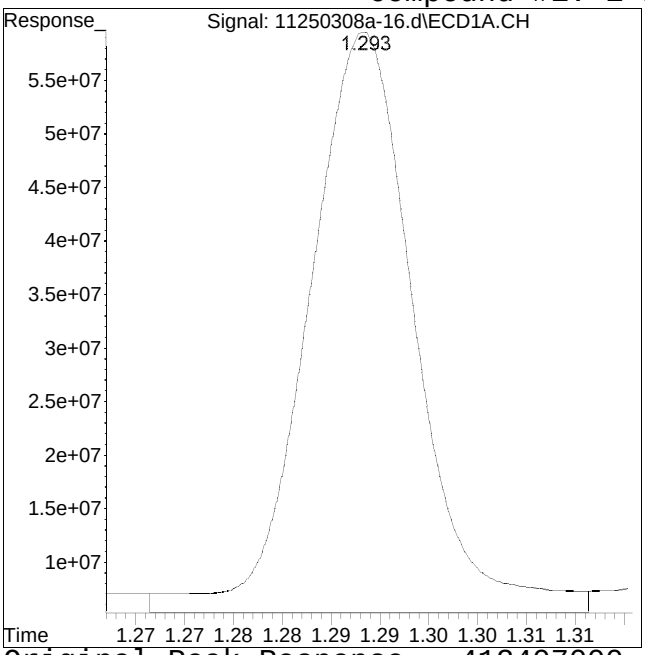
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

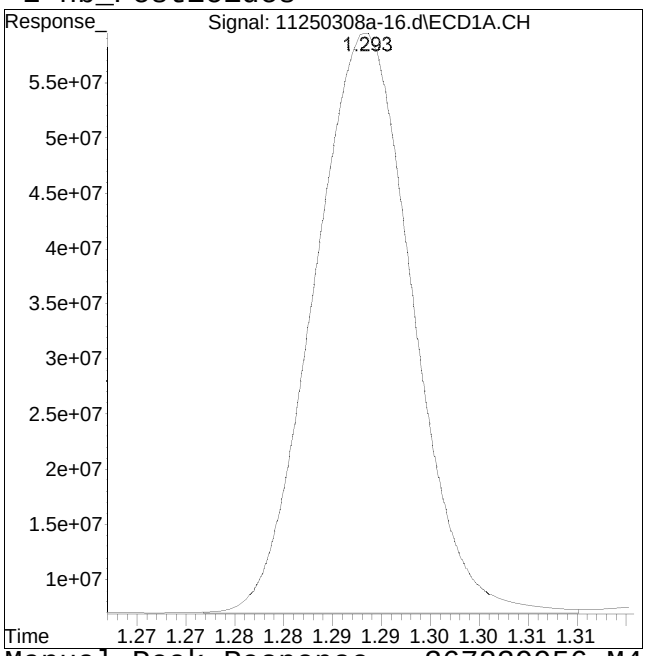


Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-16.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 9:11 Instrument : Pest 11
Sample : L2512368-16,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #1: 1-br-2-nb_Pesticides



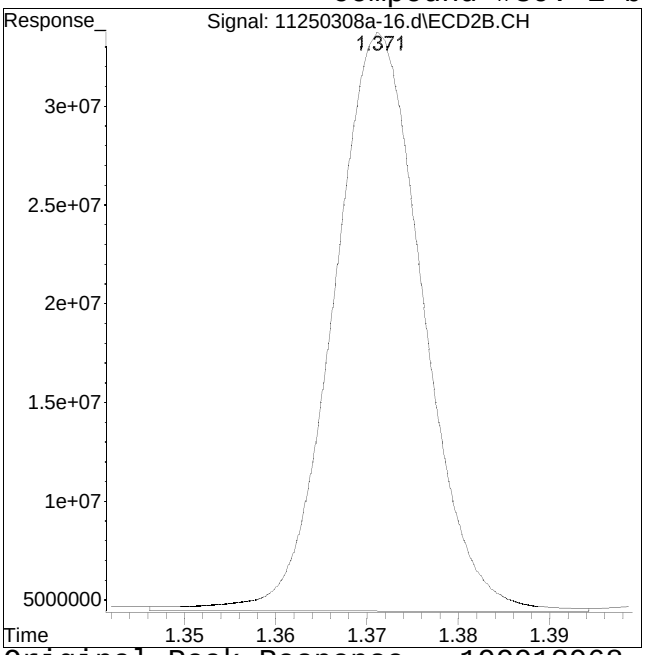


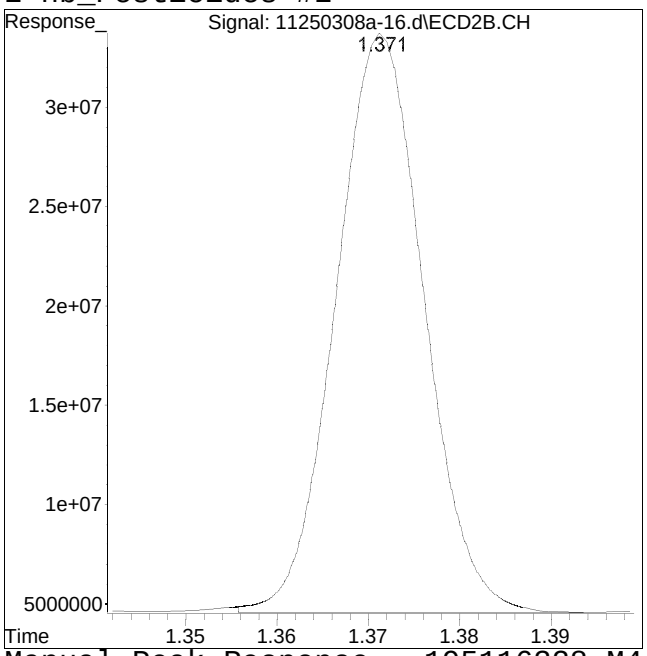
Original Peak Response = 412407000 Manual Peak Response = 367239956 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-16.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 9:11 Instrument : Pest 11
Sample : L2512368-16,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #39: 1-br-2-nb_Pesticides #2



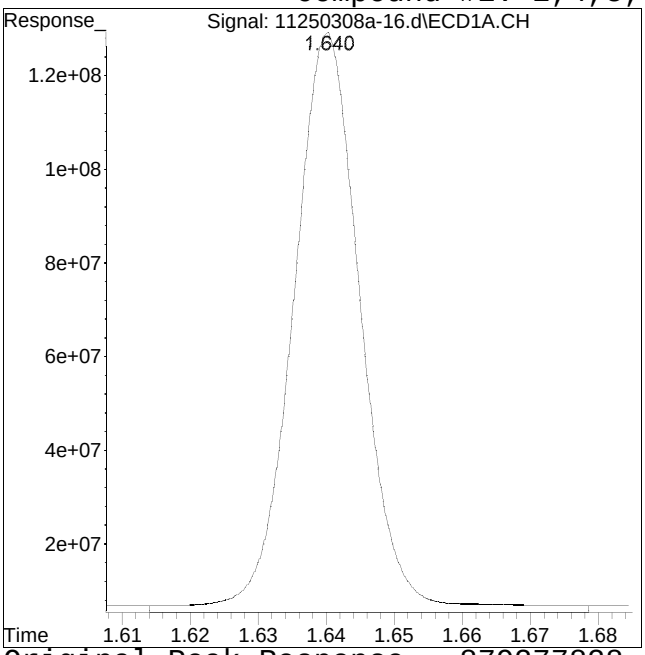


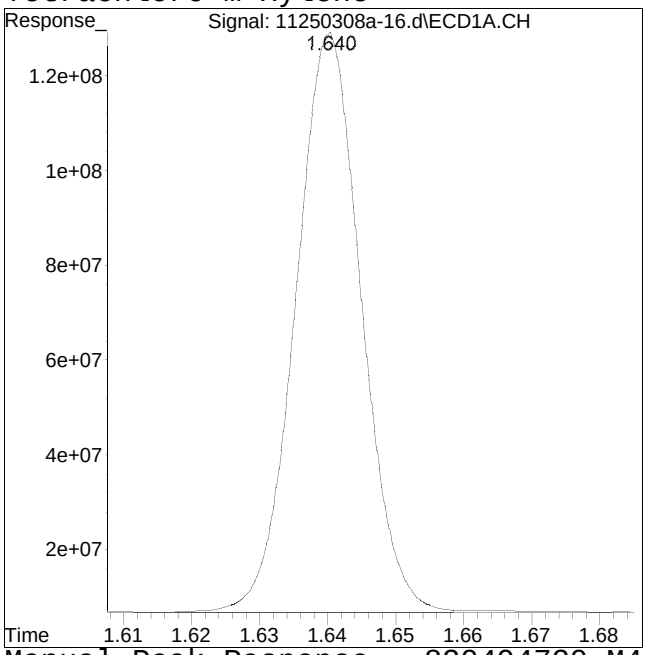
Original Peak Response = 199912968 Manual Peak Response = 195116328 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-16.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 9:11 Instrument : Pest 11
Sample : L2512368-16,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



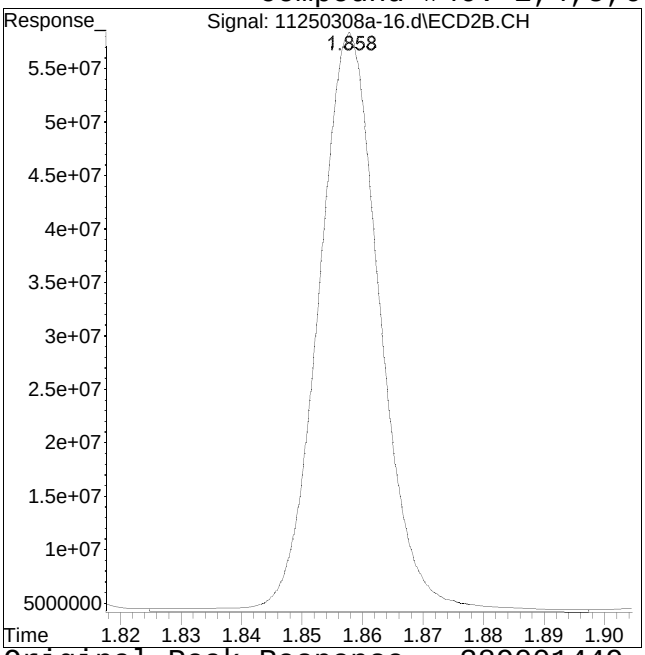


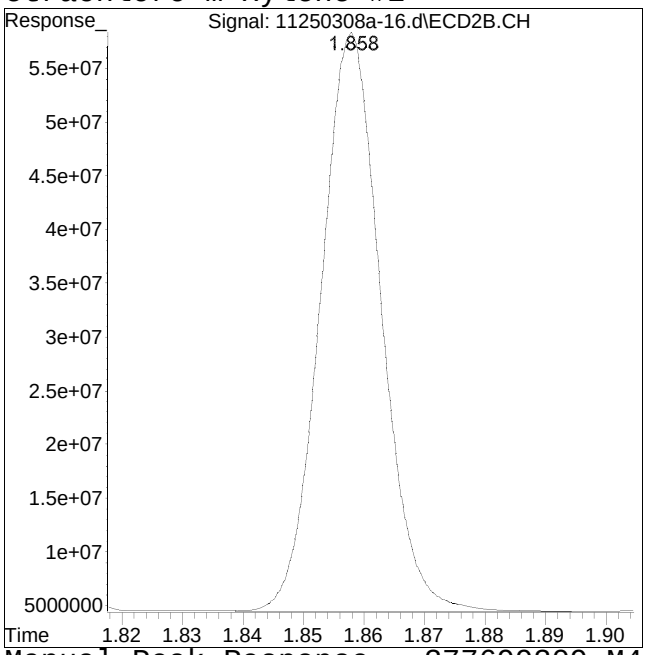
Original Peak Response = 879277828 Manual Peak Response = 820494720 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-16.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 9:11 Instrument : Pest 11
Sample : L2512368-16,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



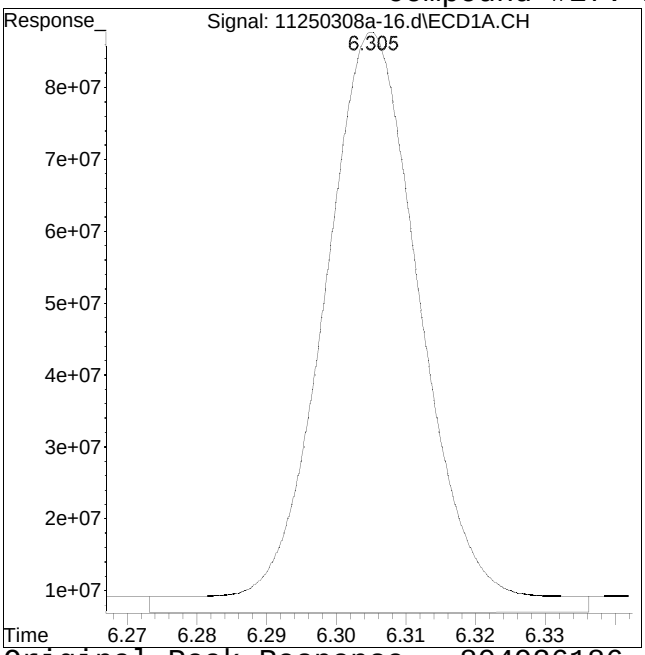


Original Peak Response = 389001449 Manual Peak Response = 377699309 M4
M4 = Poor automated baseline construction.

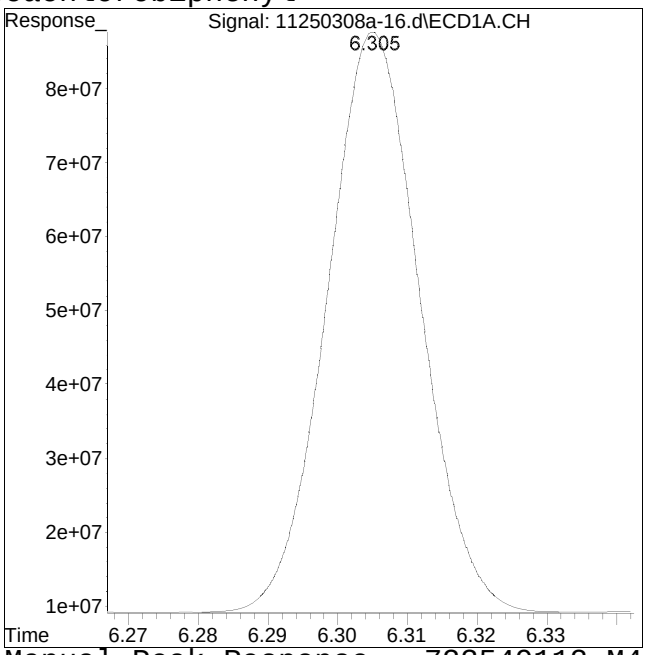
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-16.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 9:11 Instrument : Pest 11
Sample : L2512368-16,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #27: Decachlorobiphenyl



Original Peak Response = 804926186



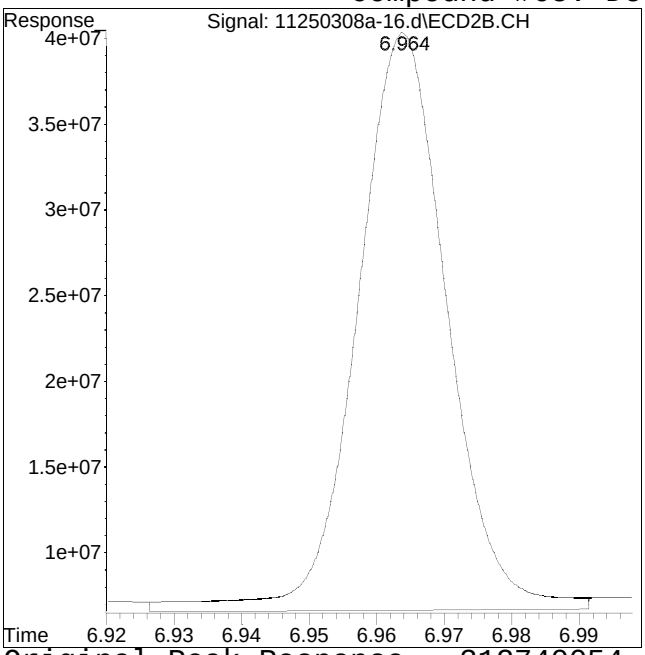
Manual Peak Response = 723549112 M4

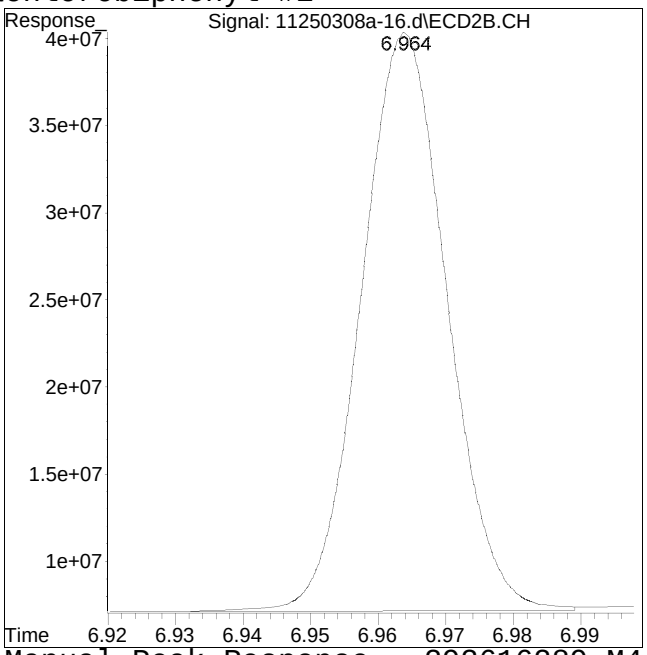
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-16.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 9:11 Instrument : Pest 11
Sample : L2512368-16,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #65: Decachlorobiphenyl #2



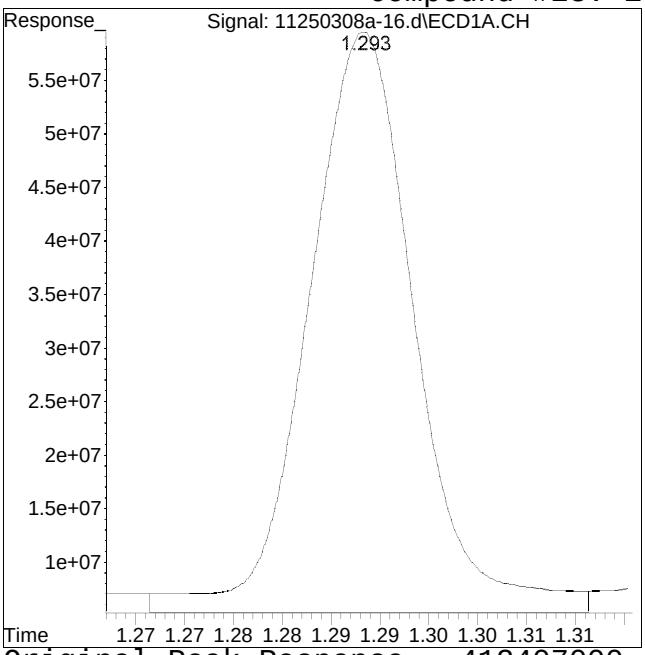


Original Peak Response = 312740054 Manual Peak Response = 292616289 M4
M4 = Poor automated baseline construction.

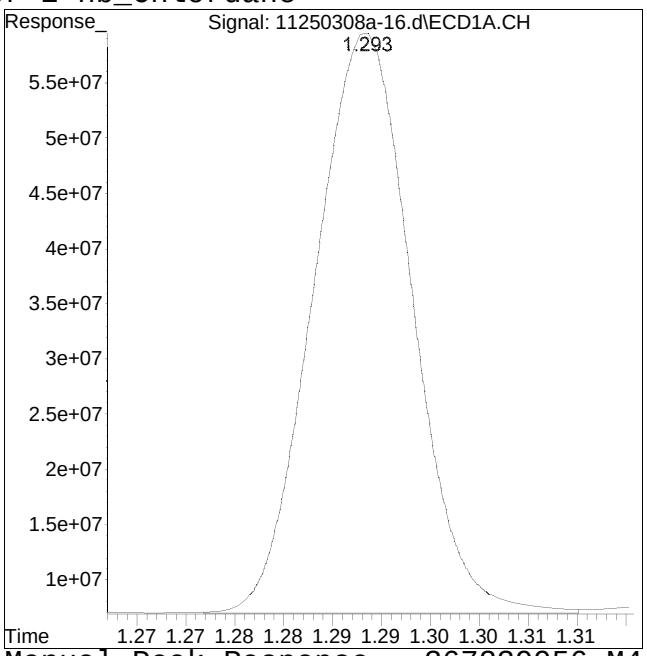
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-16.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 9:11 Instrument : Pest 11
Sample : L2512368-16,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 412407000



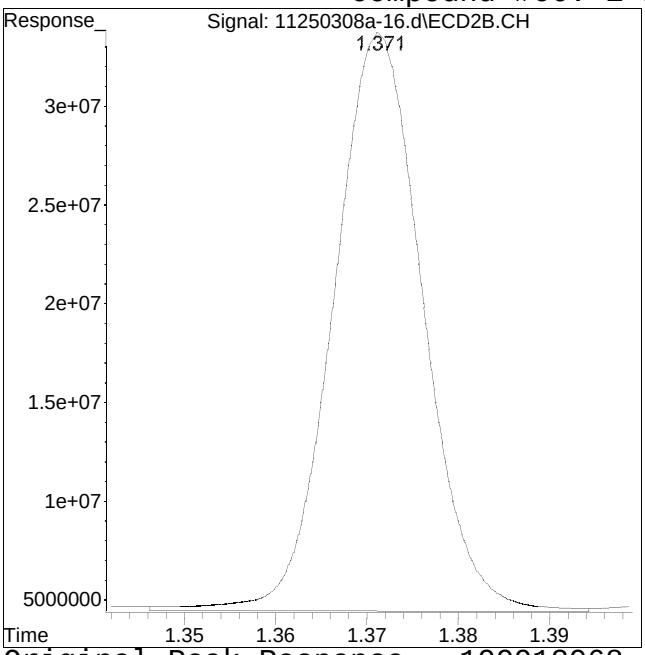
Manual Peak Response = 367239956 M4

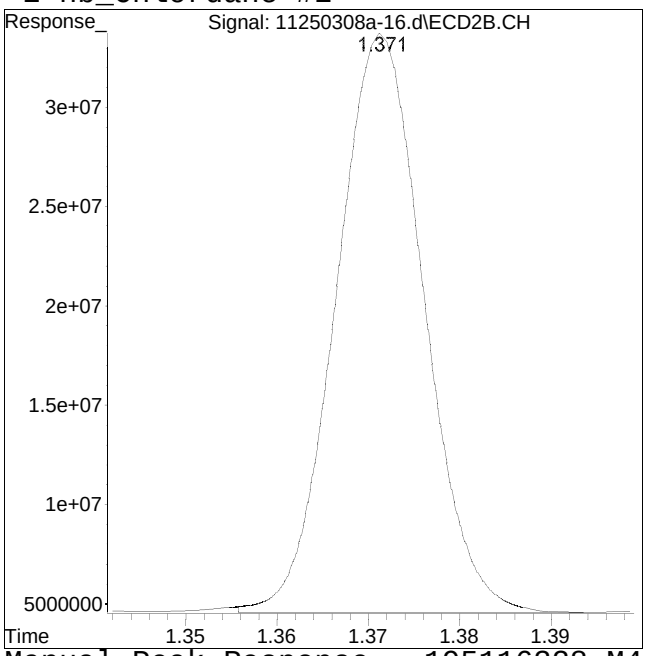
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-16.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 9:11 Instrument : Pest 11
Sample : L2512368-16,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #66: 1-br-2-nb_Chlordane #2



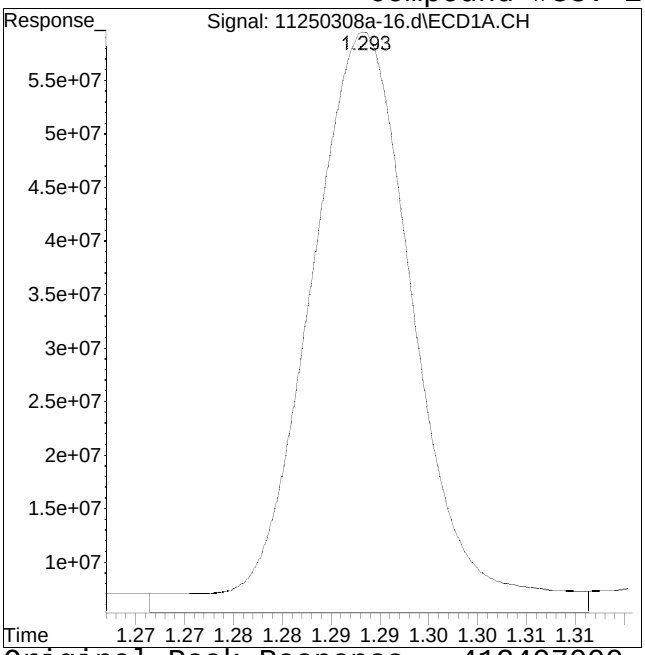


Original Peak Response = 199912968 Manual Peak Response = 195116328 M4
M4 = Poor automated baseline construction.

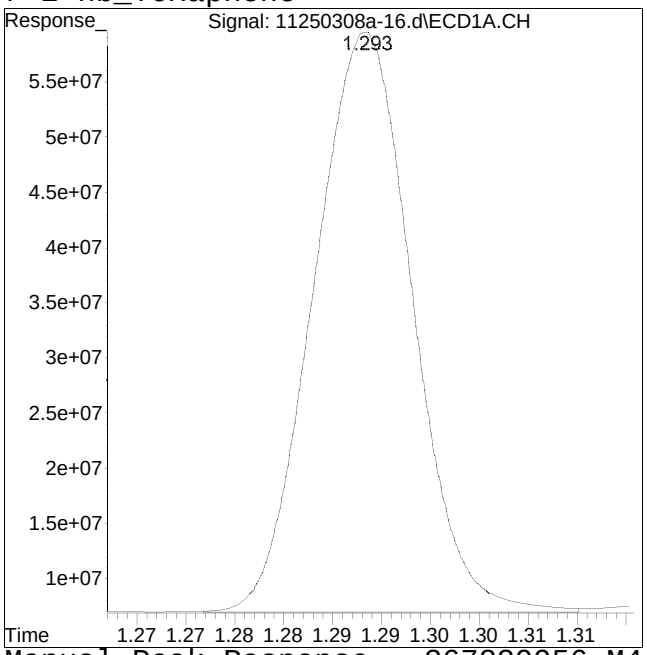
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-16.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 9:11 Instrument : Pest 11
Sample : L2512368-16,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 412407000



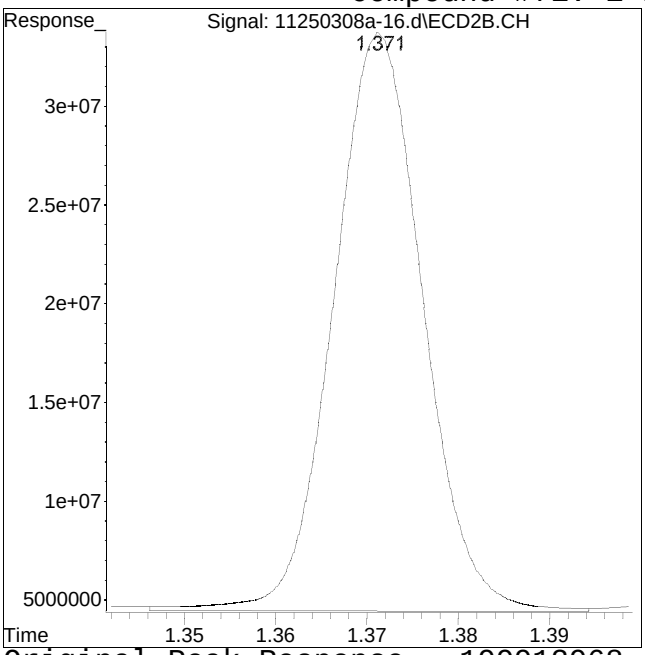
Manual Peak Response = 367239956 M4

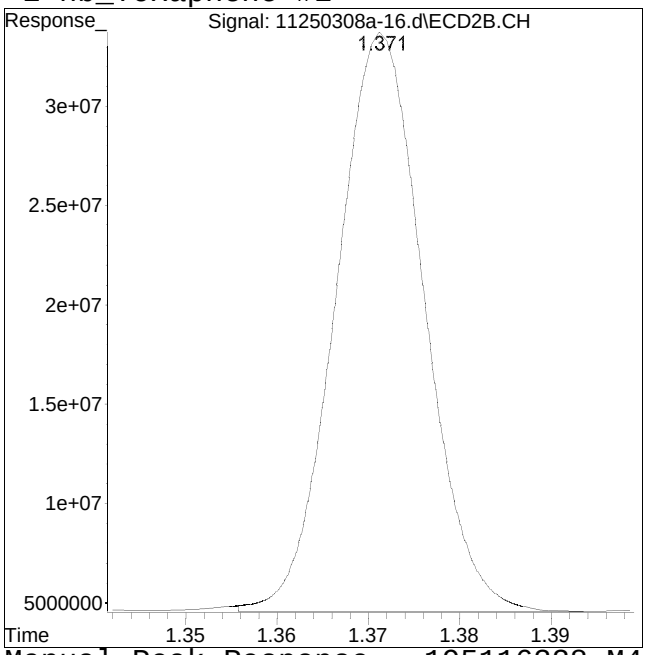
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-16.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 9:11 Instrument : Pest 11
Sample : L2512368-16,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 199912968 Manual Peak Response = 195116328 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-17.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 9:23
Operator : PEST11:peg
Sample : L2512368-17,42,, rvt
Misc : wg2038031,WG2037965,ical21853
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 12:15:47 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:00:56 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2025\250308A\11250308a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.294	1.372	406.1E6	205.0E6	25.000M4	25.000M3
	Standard Area 1 : #1 = 378270952				Recovery = 107.35%		
	Standard Area 1 : #2 = 220505210				Recovery = 92.97%		
28) i	1-br-2-nb_Ch	1.294	1.372	406.1E6	205.0E6	25.000M4	25.000M3
33) i	1-br-2-nb_To	1.294	1.372	406.1E6	205.0E6	25.000M4	25.000M3
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.641	1.858	808.1E6	364.4E6	40.992M4	42.551M3
	Spiked Amount 50.000	Range 30 - 150			Recovery = 81.98%		85.10%
27) s	Decachlorobi	6.305	6.964	738.6E6	294.1E6	39.539M4	38.907M4
	Spiked Amount 50.000	Range 30 - 150			Recovery = 79.08%		77.81%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-17.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 9:23
Operator : PEST11:peg
Sample : L2512368-17,42,, rvt
Misc : wg2038031,WG2037965,ical21853
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 12:15:47 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:00:56 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2025\250308A\11250308a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

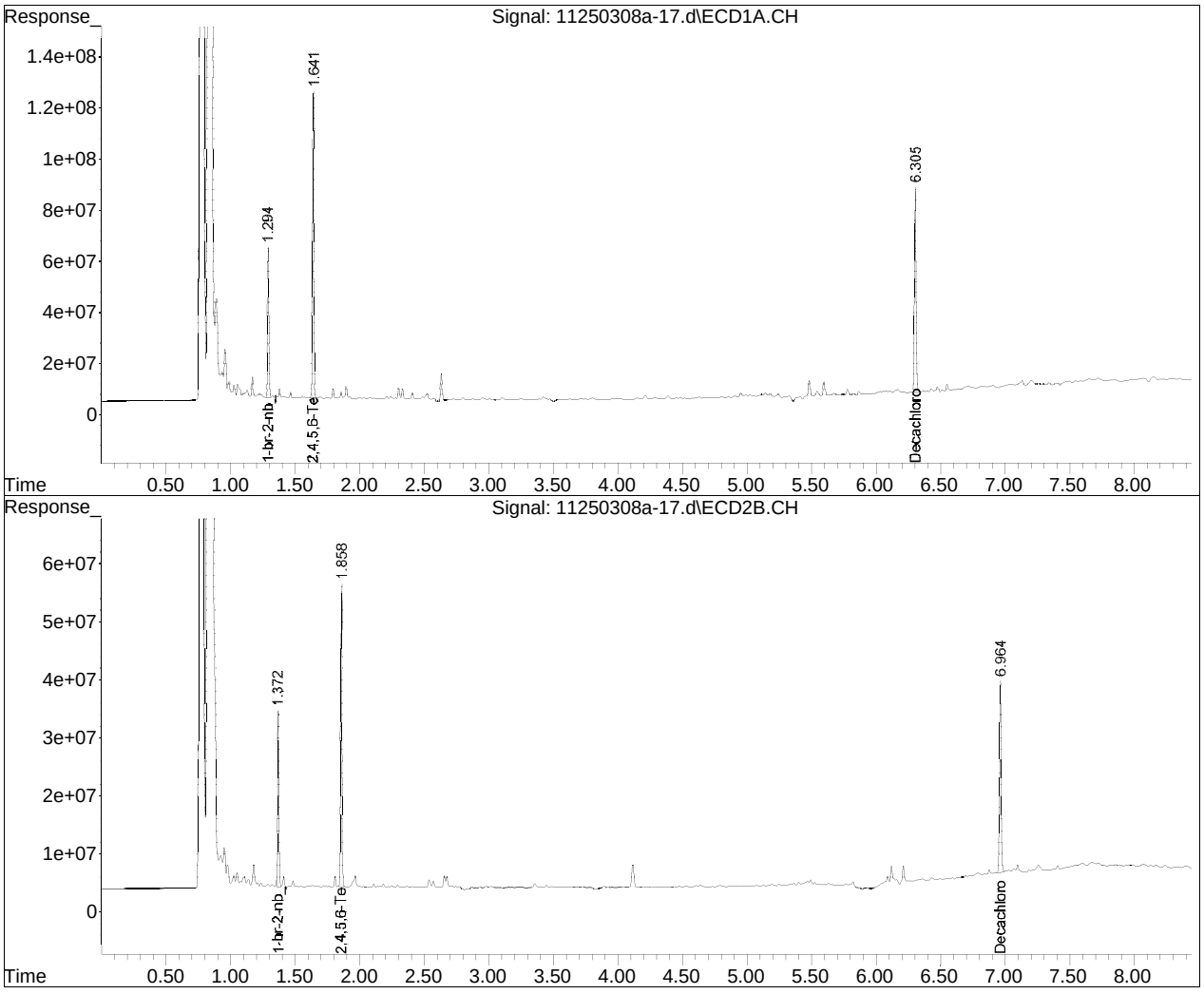
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\11250308a-03.d•

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-17.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 9:23
Operator : PEST11:peg
Sample : L2512368-17,42,, rvt
Misc : wg2038031,WG2037965,ical21853
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 12:15:47 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:00:56 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

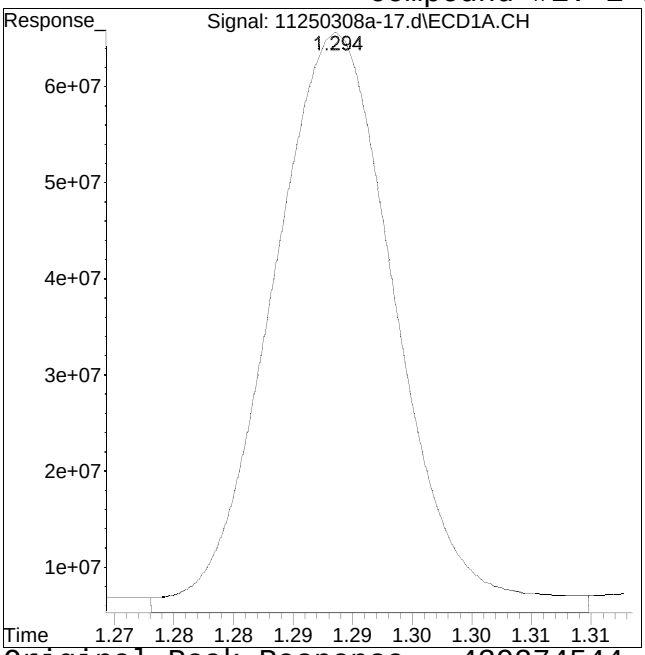
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

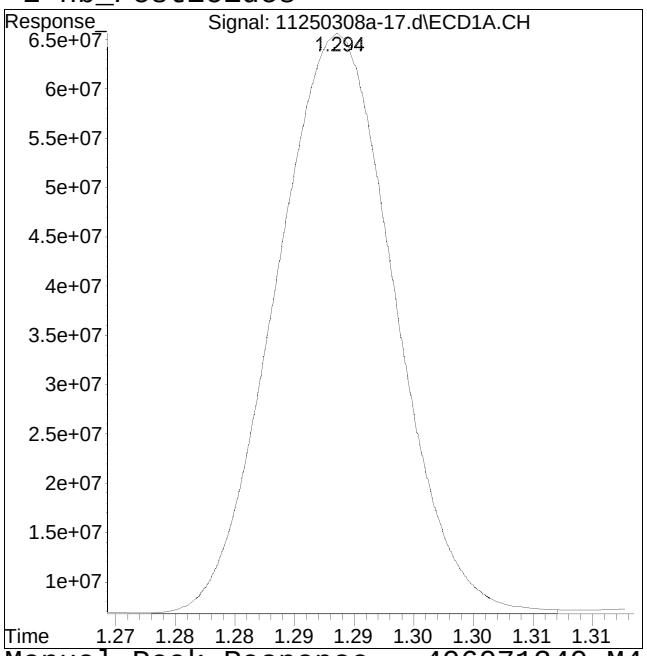


Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-17.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 9:23 Instrument : Pest 11
Sample : L2512368-17,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #1: 1-br-2-nb_Pesticides



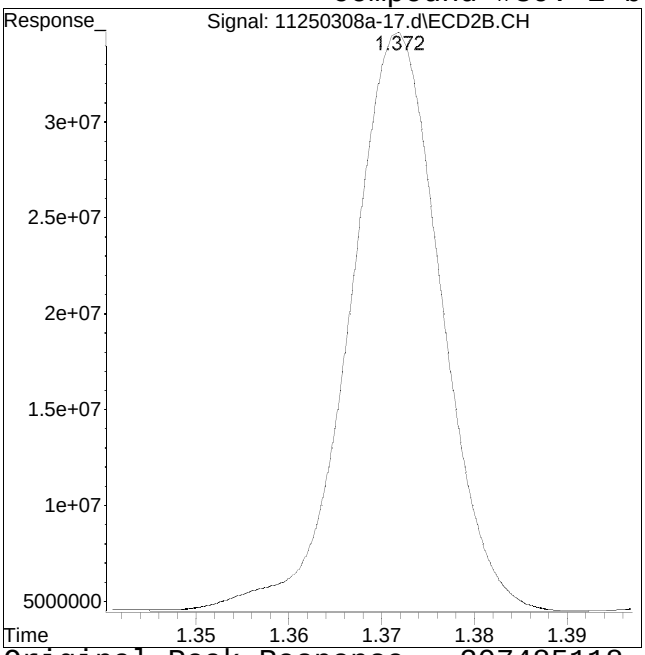


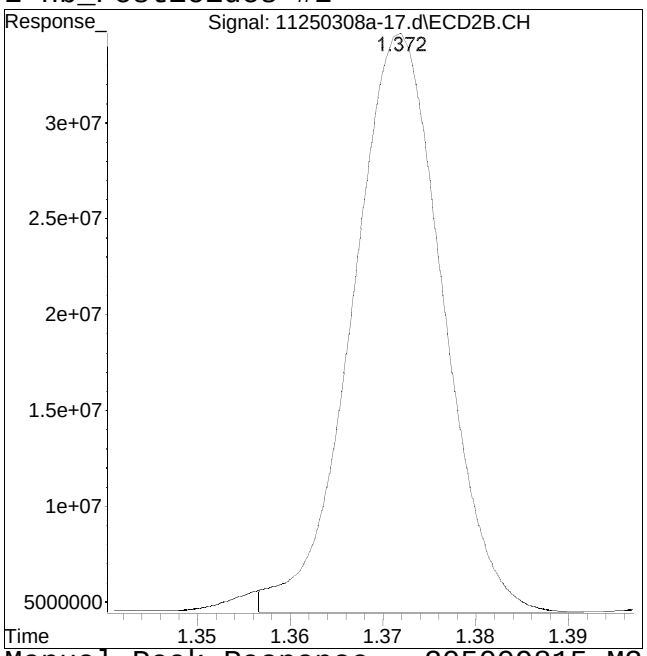
Original Peak Response = 439274544 Manual Peak Response = 406071240 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-17.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 9:23 Instrument : Pest 11
Sample : L2512368-17,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #39: 1-br-2-nb_Pesticides #2



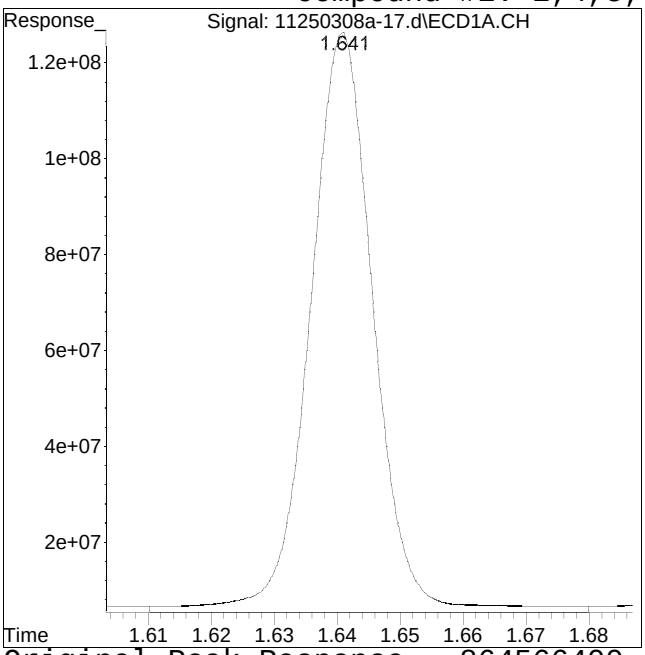


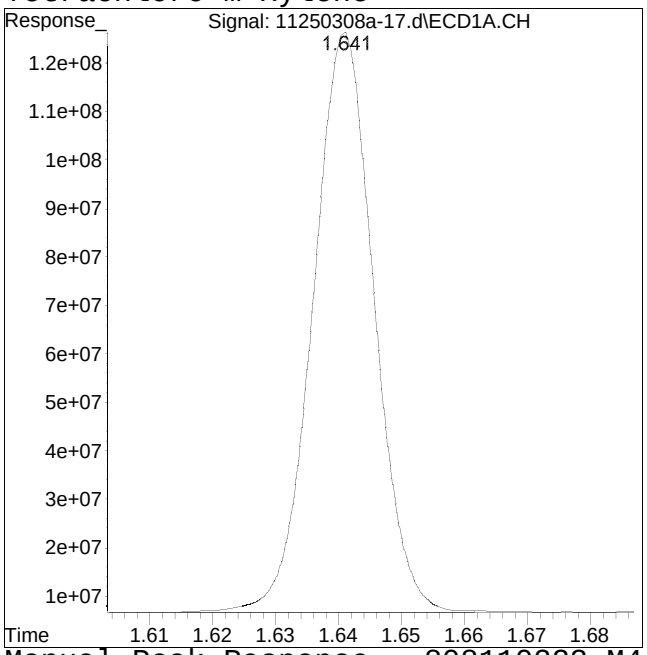
Original Peak Response = 207485118 Manual Peak Response = 205009815 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-17.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 9:23 Instrument : Pest 11
Sample : L2512368-17,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



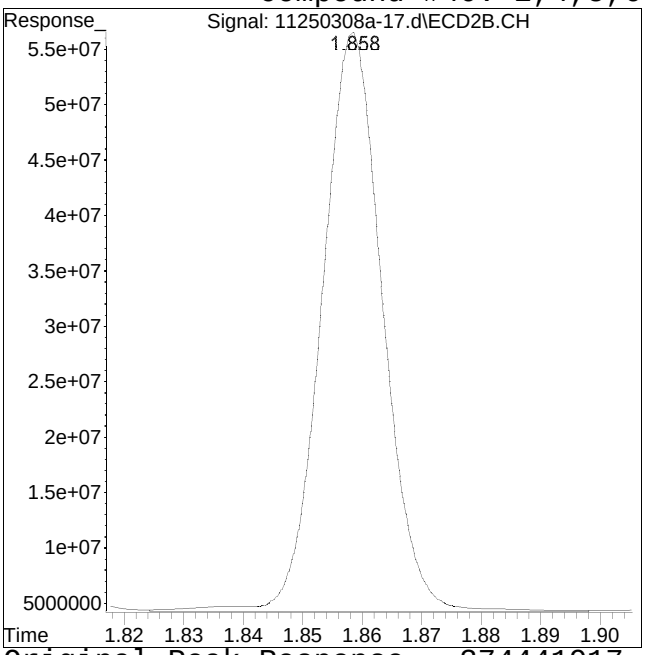


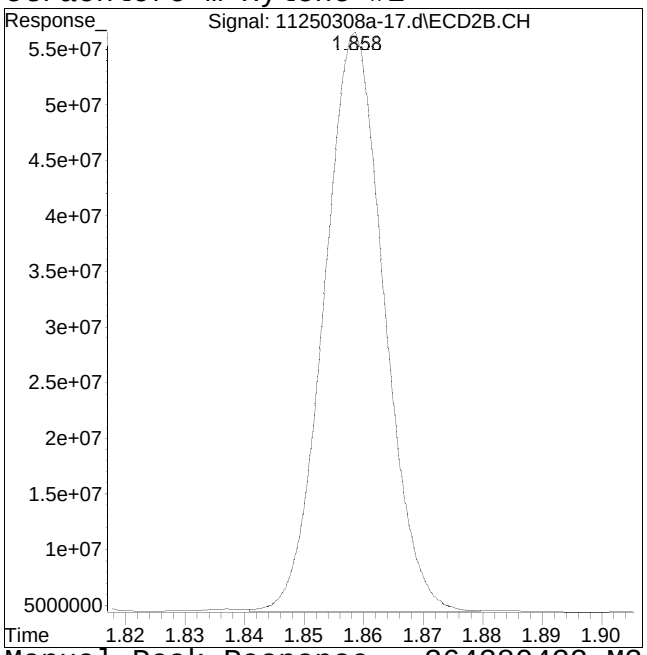
Original Peak Response = 864566400 Manual Peak Response = 808110223 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-17.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 9:23 Instrument : Pest 11
Sample : L2512368-17,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



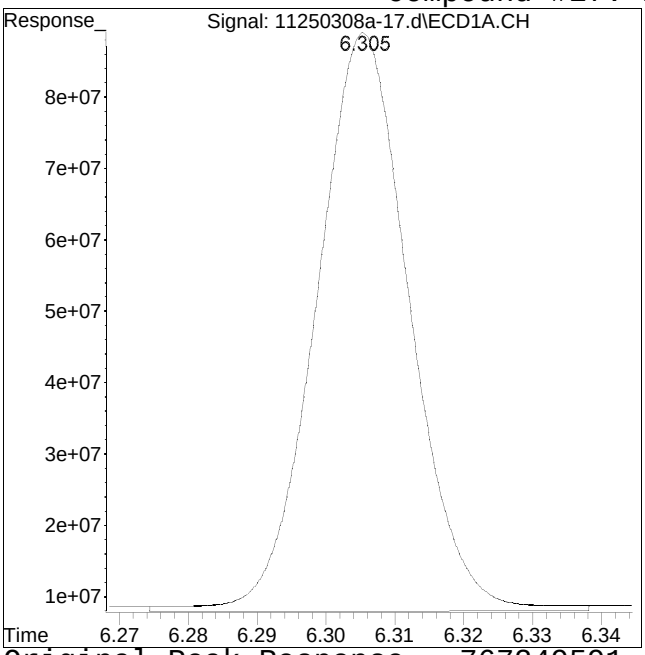


Original Peak Response = 374441917 Manual Peak Response = 364380432 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

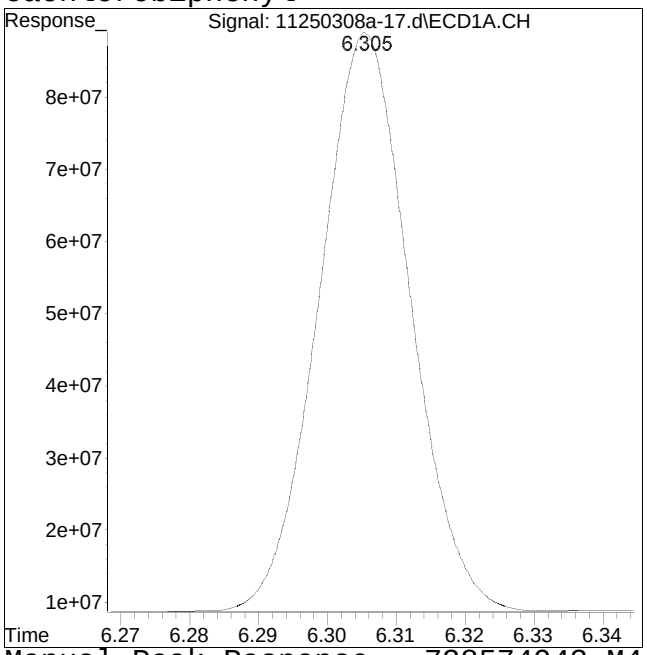
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-17.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 9:23 Instrument : Pest 11
Sample : L2512368-17,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #27: Decachlorobiphenyl



Original Peak Response = 767249591



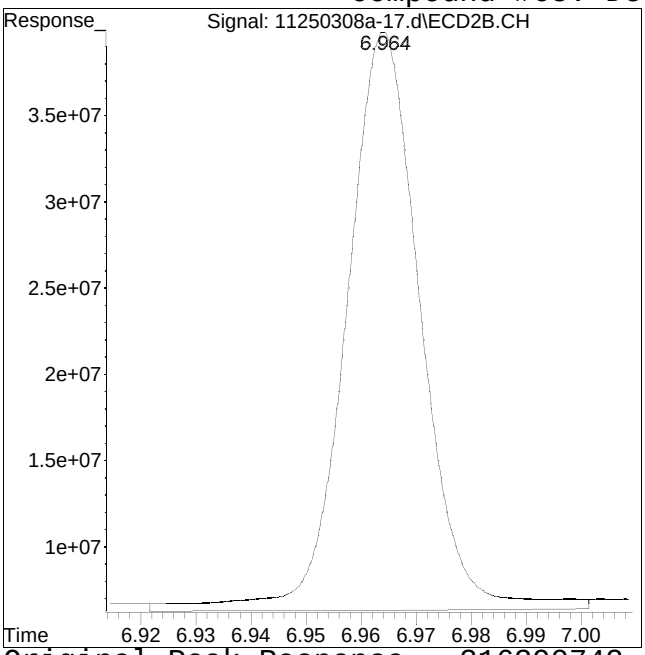
Manual Peak Response = 738574943 M4

M4 = Poor automated baseline construction.

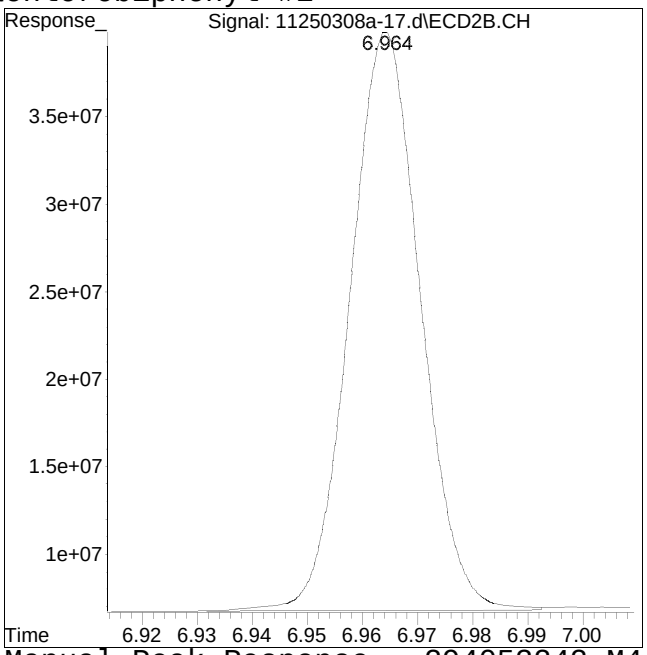
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-17.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 9:23 Instrument : Pest 11
Sample : L2512368-17,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 316390742



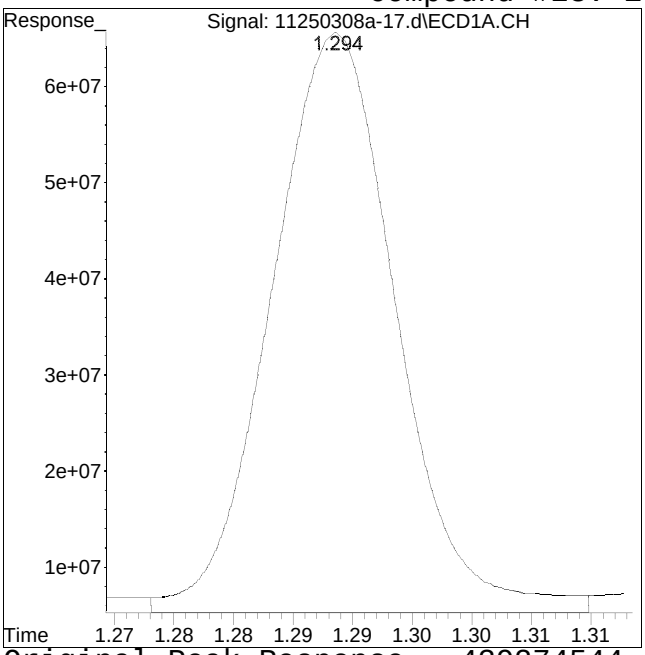
Manual Peak Response = 294053242 M4

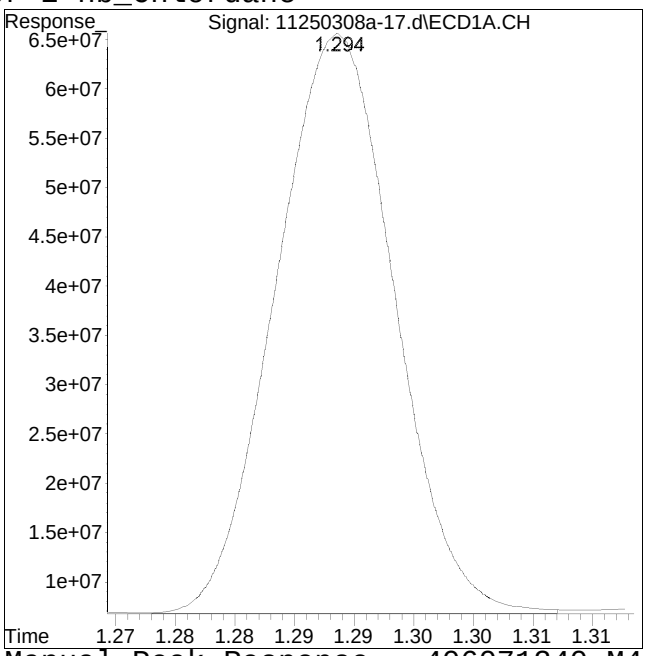
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-17.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 9:23 Instrument : Pest 11
Sample : L2512368-17,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #28: 1-br-2-nb_Chlordane



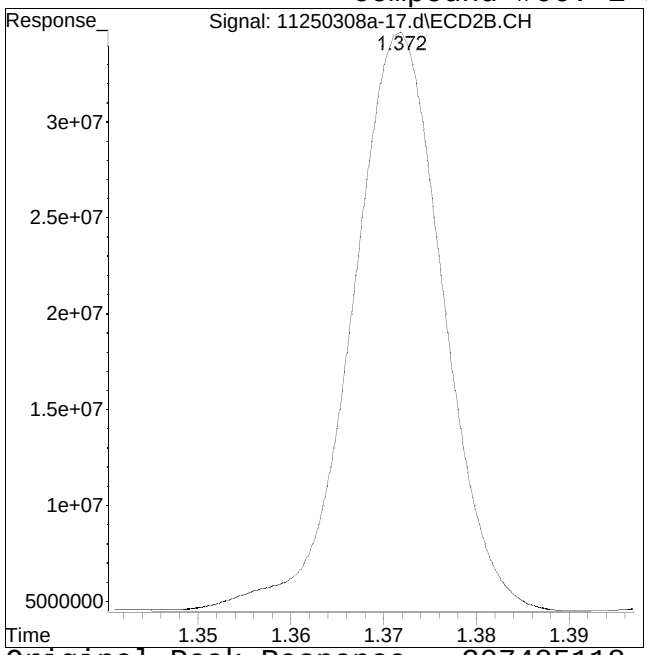


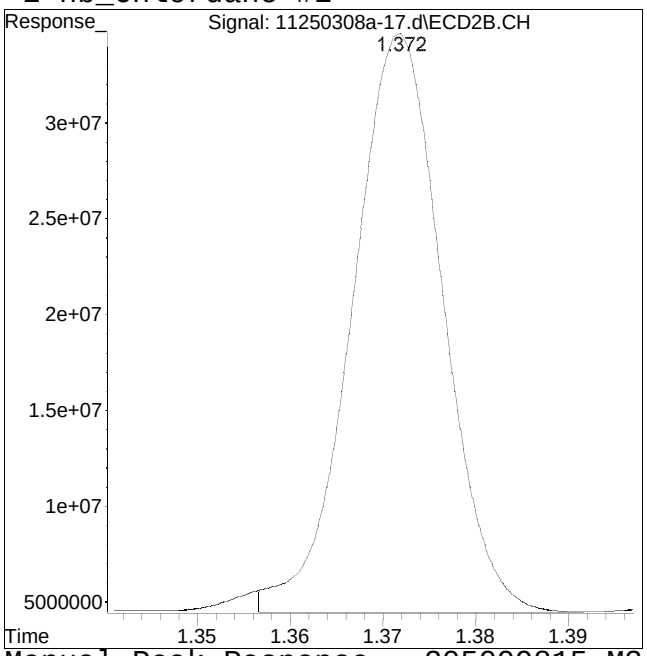
Original Peak Response = 439274544 Manual Peak Response = 406071240 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-17.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 9:23 Instrument : Pest 11
Sample : L2512368-17,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #66: 1-br-2-nb_Chlordane #2



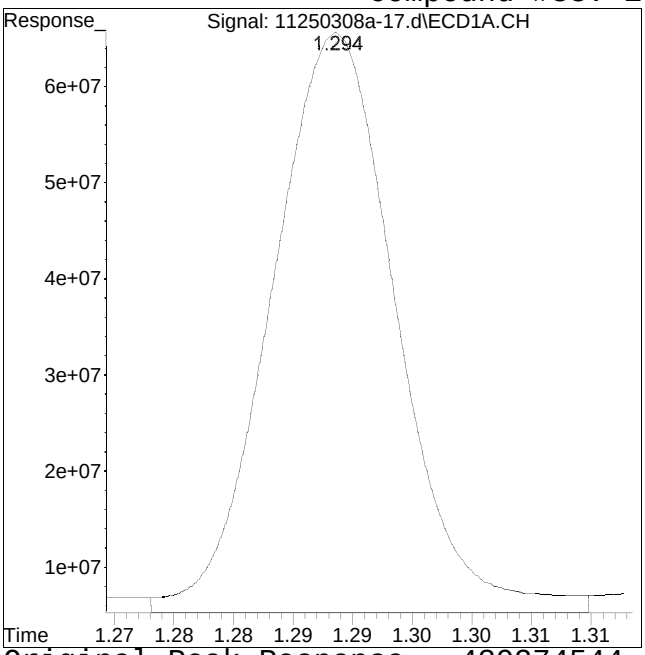


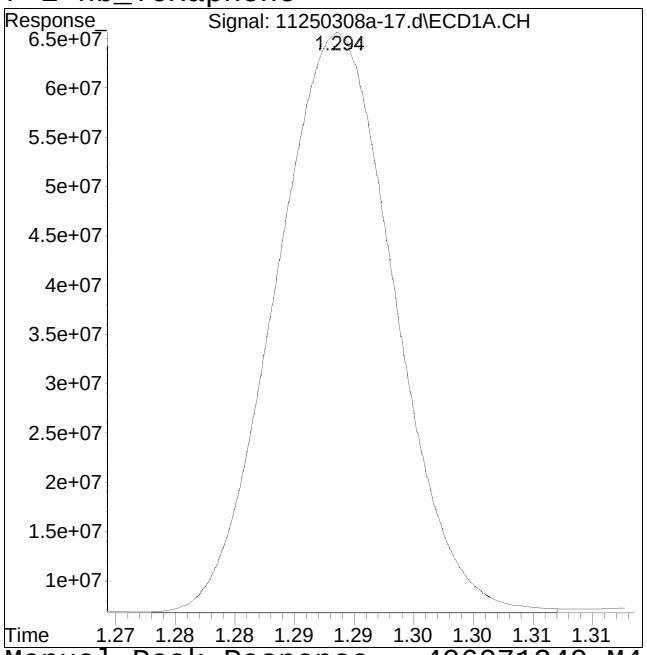
Original Peak Response = 207485118 Manual Peak Response = 205009815 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-17.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 9:23 Instrument : Pest 11
Sample : L2512368-17,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #33: 1-br-2-nb_Toxaphene



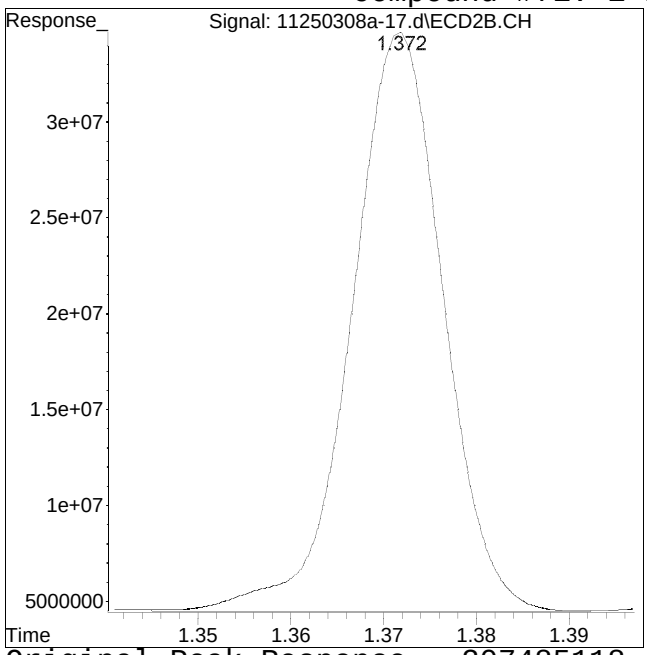


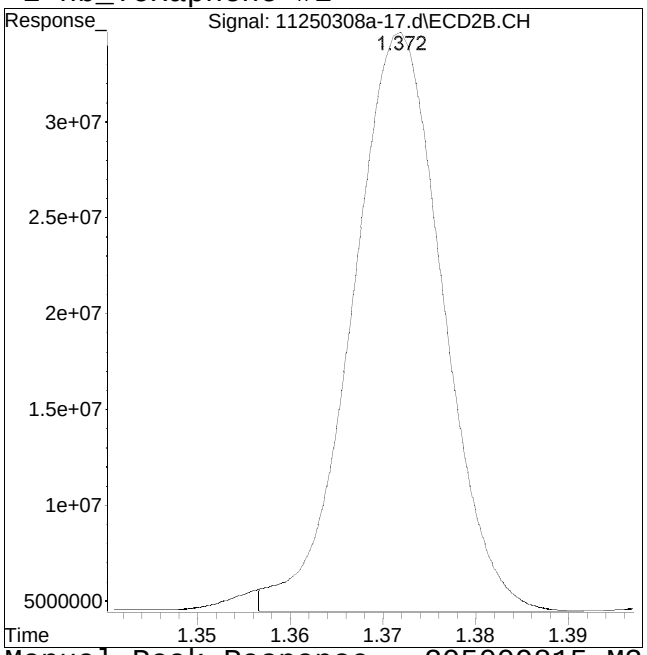
Original Peak Response = 439274544 Manual Peak Response = 406071240 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-17.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 9:23 Instrument : Pest 11
Sample : L2512368-17,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 207485118 Manual Peak Response = 205009815 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 9:35
Operator : PEST11:peg
Sample : L2512368-19,42,, rvt
Misc : wg2038031,WG2037965,ical21853
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 12:15:50 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:00:56 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2025\250308A\11250308a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.292	1.370	389.5E6	194.5E6	25.000M4	25.000M3
	Standard Area 1 : #1 = 378270952				Recovery = 102.97%		
	Standard Area 1 : #2 = 220505210				Recovery = 88.21%		
28) i	1-br-2-nb_Ch	1.292	1.370	389.5E6	194.5E6	25.000M4	25.000M3
33) i	1-br-2-nb_To	1.292	1.370	389.5E6	194.5E6	25.000M4	25.000M3
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.639	1.857	755.2E6	339.3E6	39.937M4	41.767M4
	Spiked Amount	50.000	Range 30 - 150		Recovery =	79.87%	83.53%
27) s	Decachlorobi	6.305	6.964	701.9E6	273.9E6	39.174M4	38.192M4
	Spiked Amount	50.000	Range 30 - 150		Recovery =	78.35%	76.38%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 9:35
Operator : PEST11:peg
Sample : L2512368-19,42,, rvt
Misc : wg2038031,WG2037965,ical21853
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 12:15:50 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:00:56 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2025\250308A\11250308a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

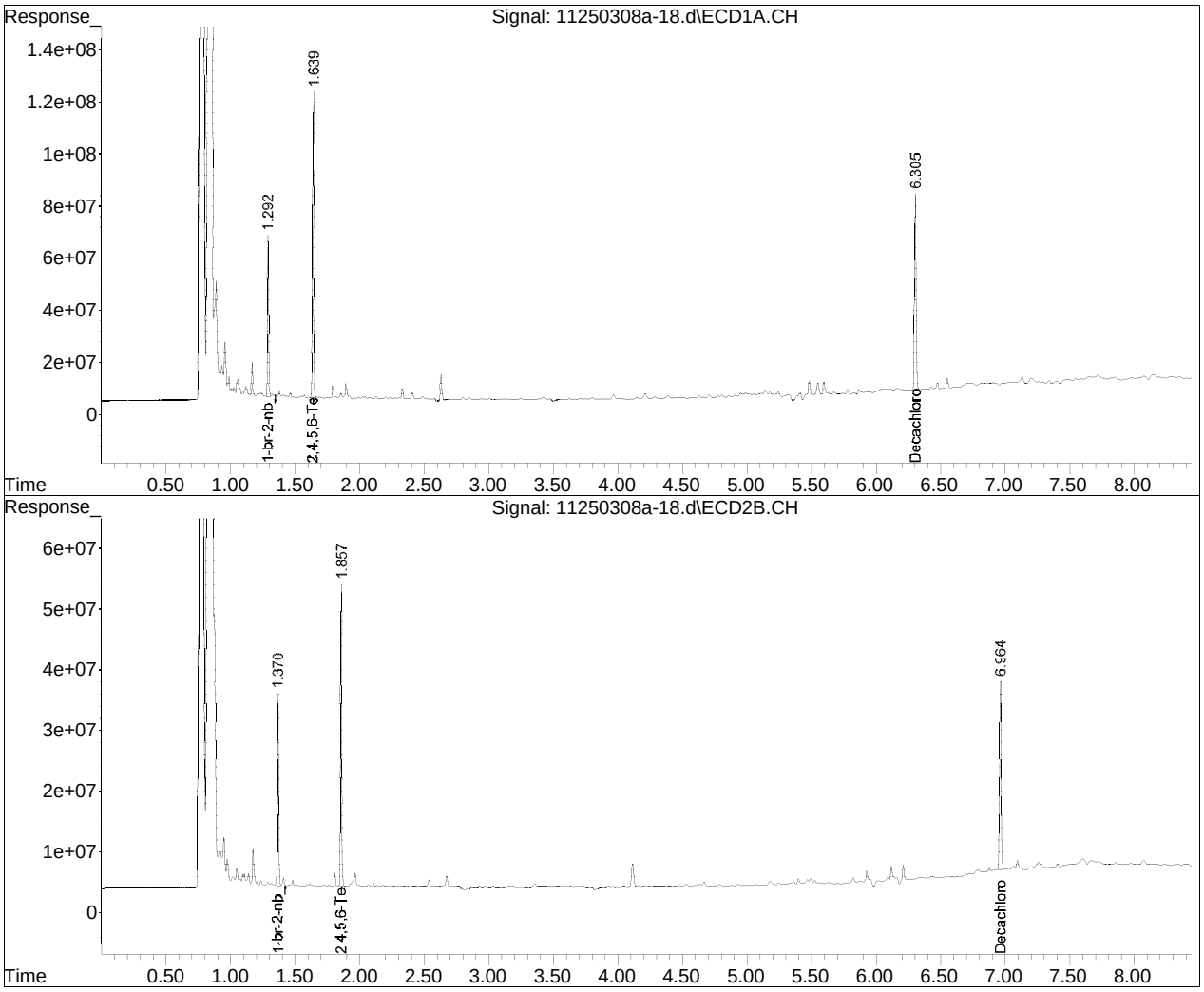
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\11250308a-03.d•

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 9:35
Operator : PEST11:peg
Sample : L2512368-19,42,, rvt
Misc : wg2038031,WG2037965,ical21853
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 12:15:50 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:00:56 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

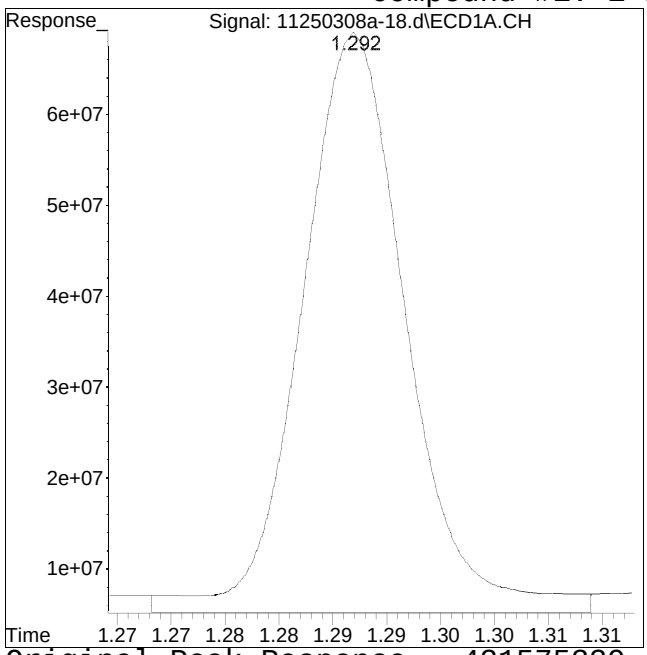
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



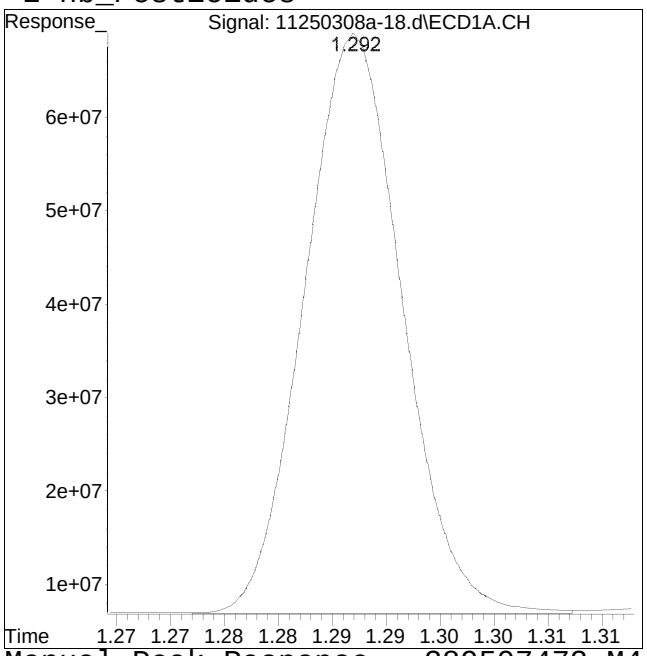
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-18.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 9:35 Instrument : Pest 11
Sample : L2512368-19,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 431575339



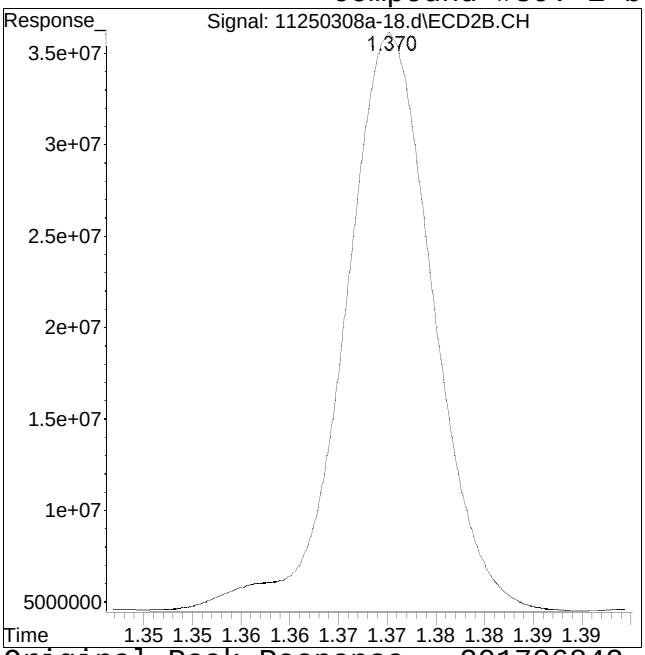
Manual Peak Response = 389507472 M4

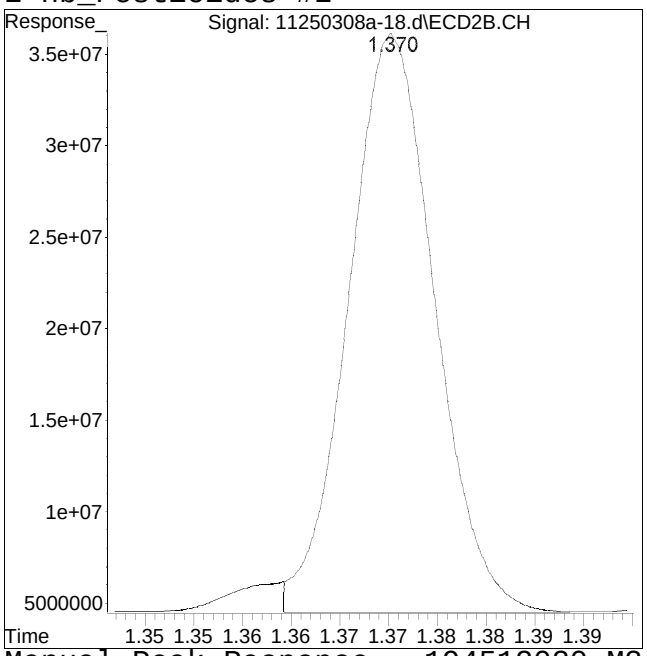
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-18.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 9:35 Instrument : Pest 11
Sample : L2512368-19,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #39: 1-br-2-nb_Pesticides #2



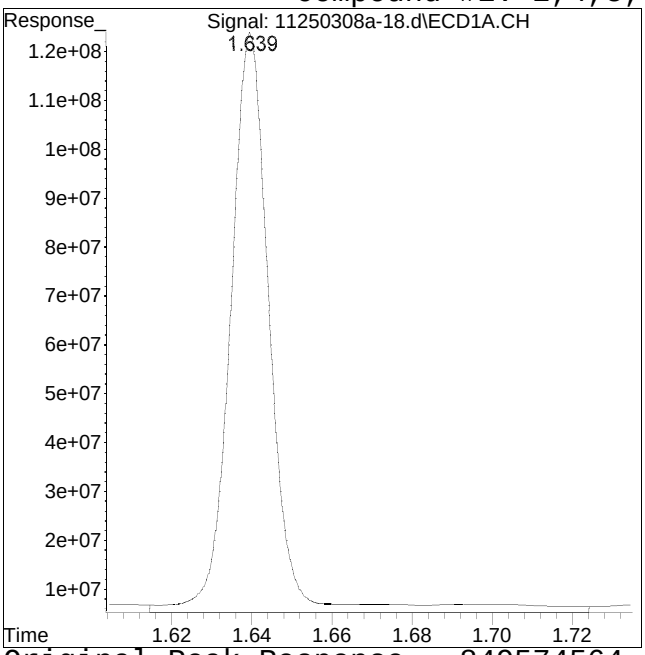


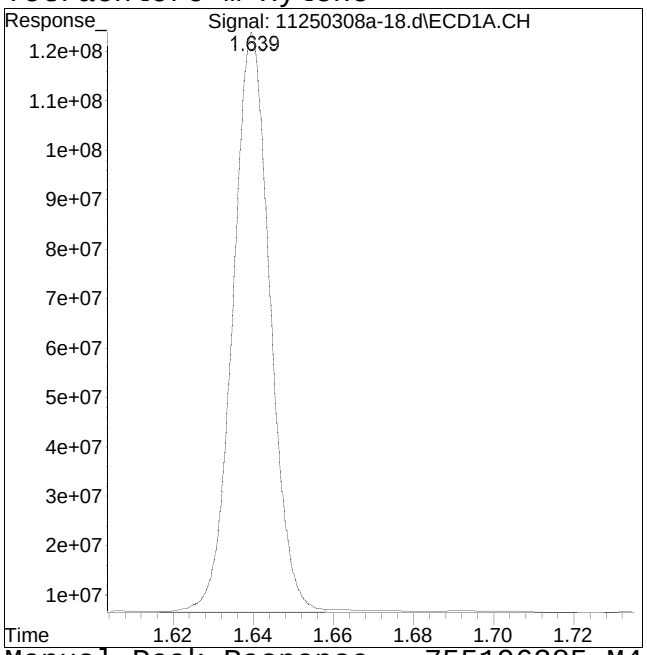
Original Peak Response = 201726842 Manual Peak Response = 194512020 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-18.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 9:35 Instrument : Pest 11
Sample : L2512368-19,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



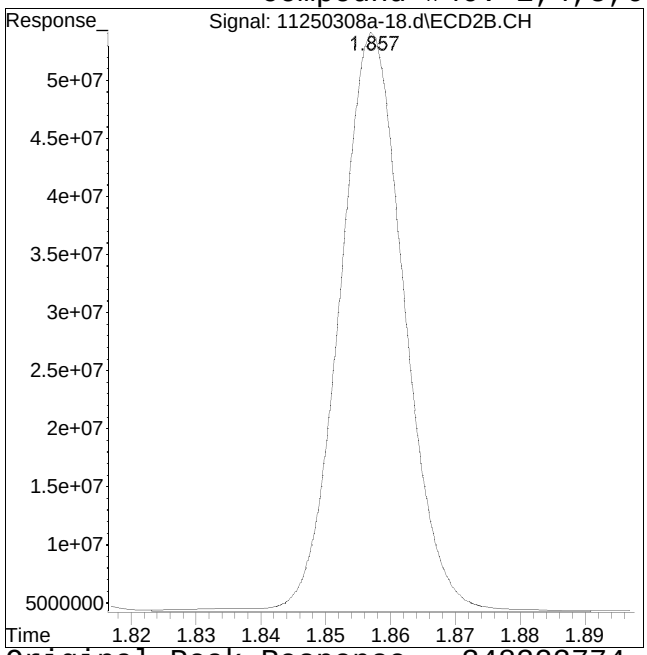


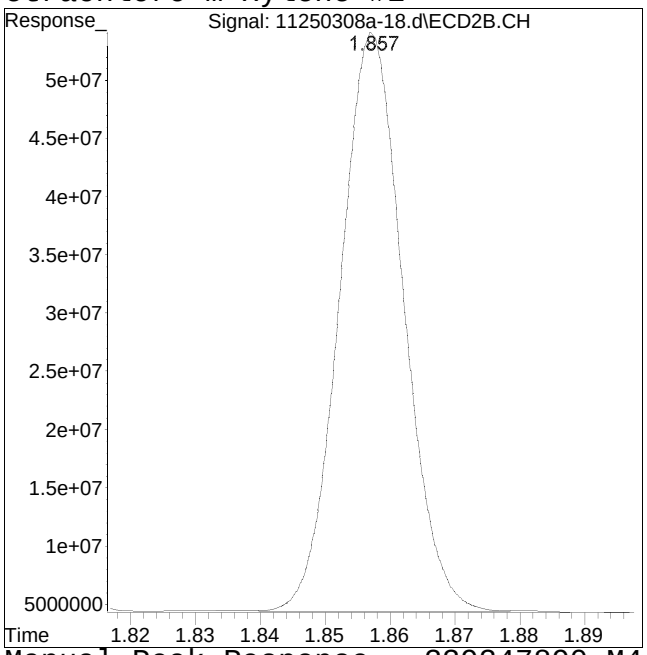
Original Peak Response = 849574564 Manual Peak Response = 755196385 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-18.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 9:35 Instrument : Pest 11
Sample : L2512368-19,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



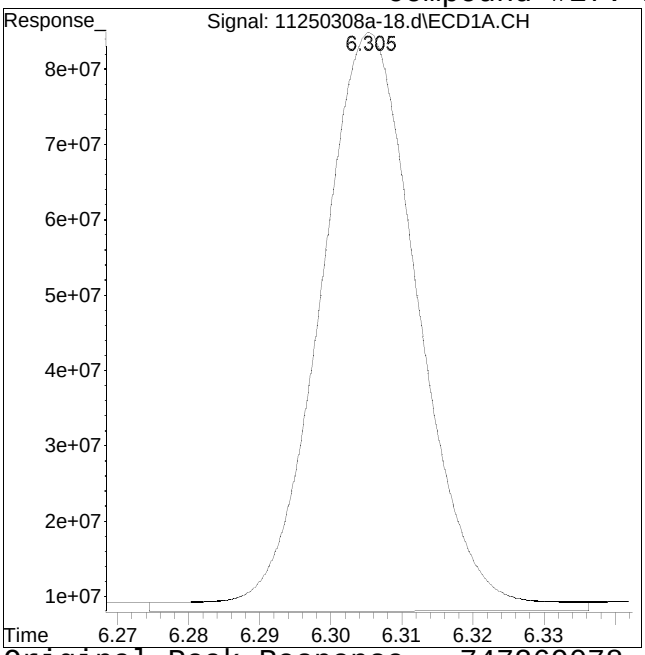


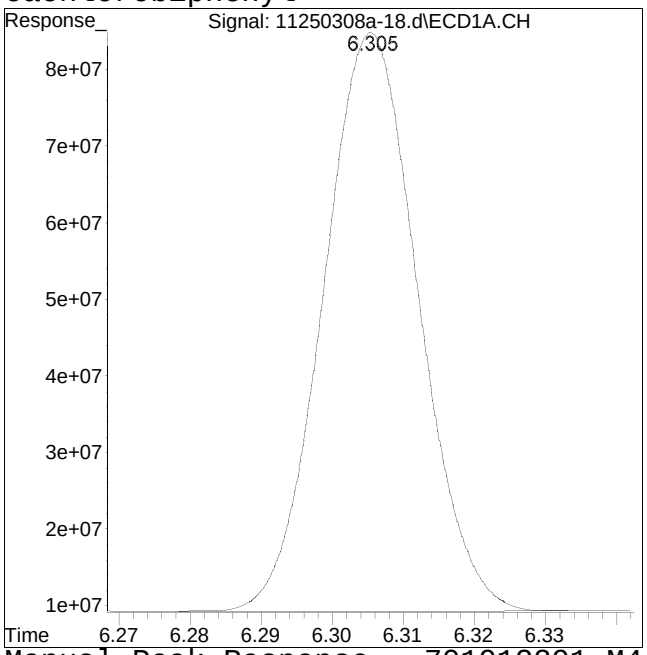
Original Peak Response = 348323774 Manual Peak Response = 339347890 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-18.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 9:35 Instrument : Pest 11
Sample : L2512368-19,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #27: Decachlorobiphenyl



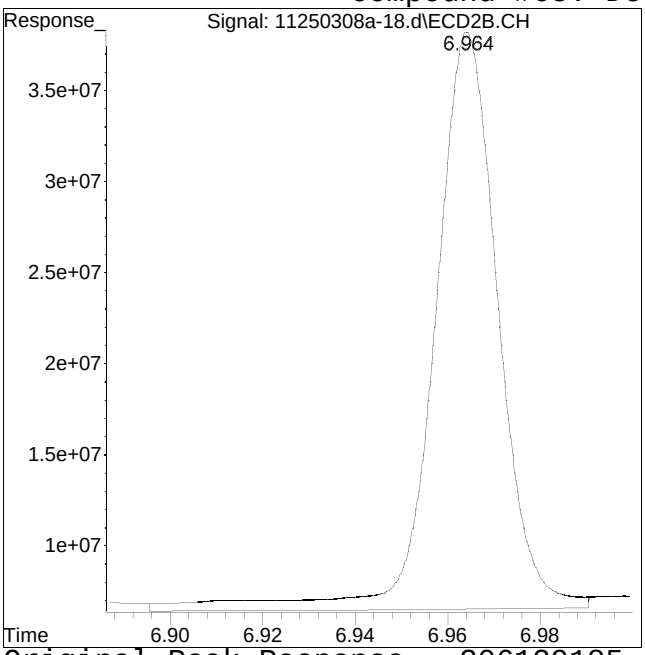


Original Peak Response = 747269078 Manual Peak Response = 701912291 M4
M4 = Poor automated baseline construction.

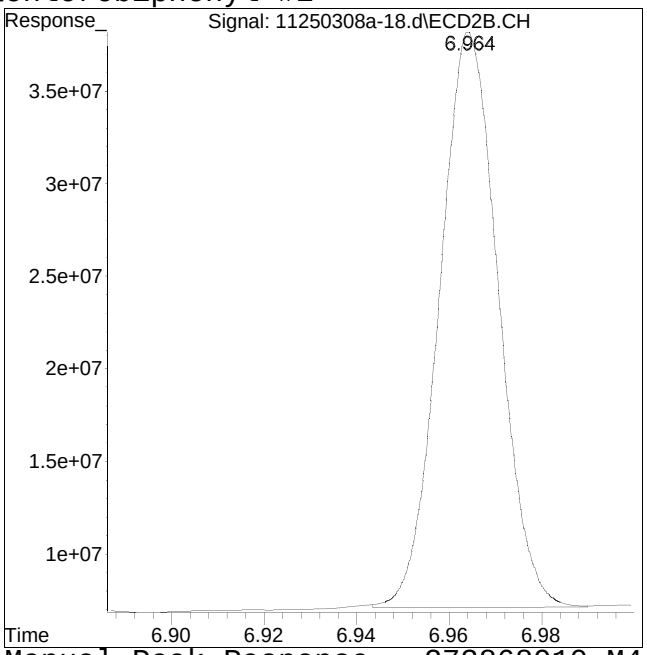
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-18.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 9:35 Instrument : Pest 11
Sample : L2512368-19,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 306129185



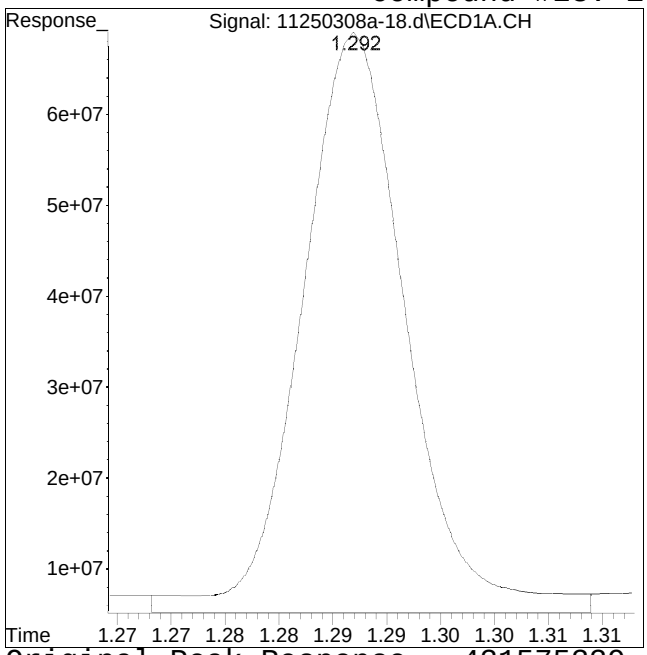
Manual Peak Response = 273868910 M4

M4 = Poor automated baseline construction.

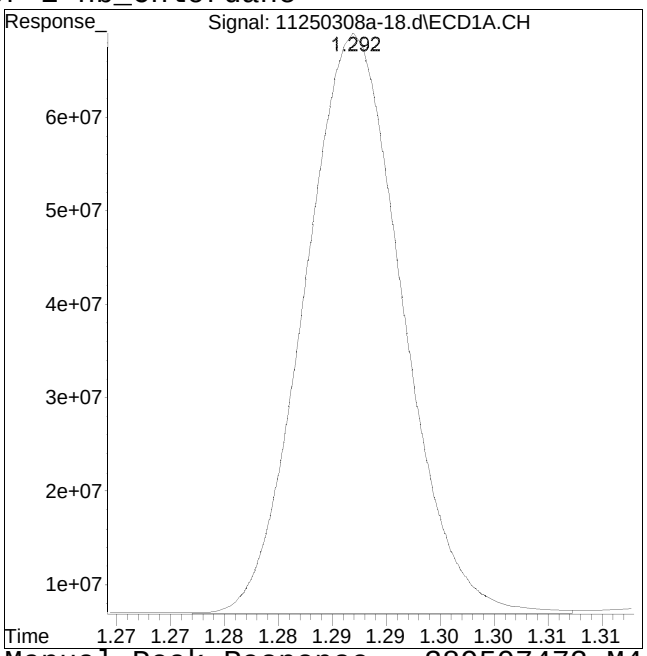
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-18.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 9:35 Instrument : Pest 11
Sample : L2512368-19,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 431575339



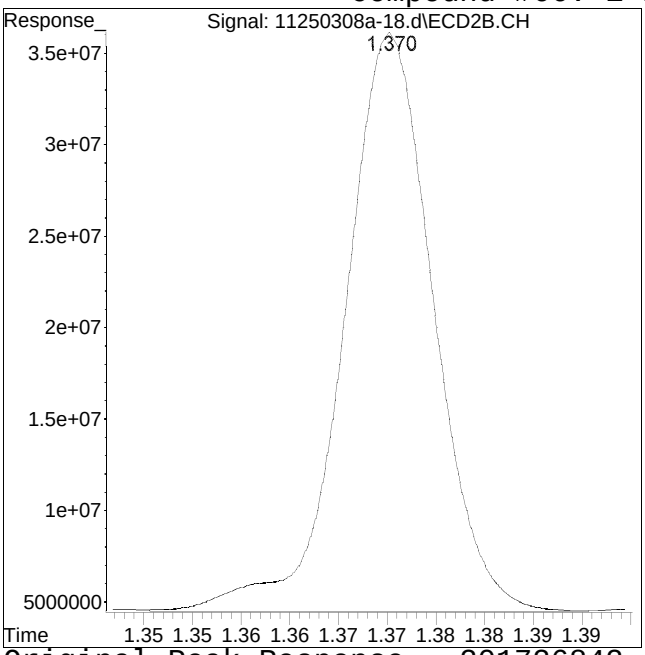
Manual Peak Response = 389507472 M4

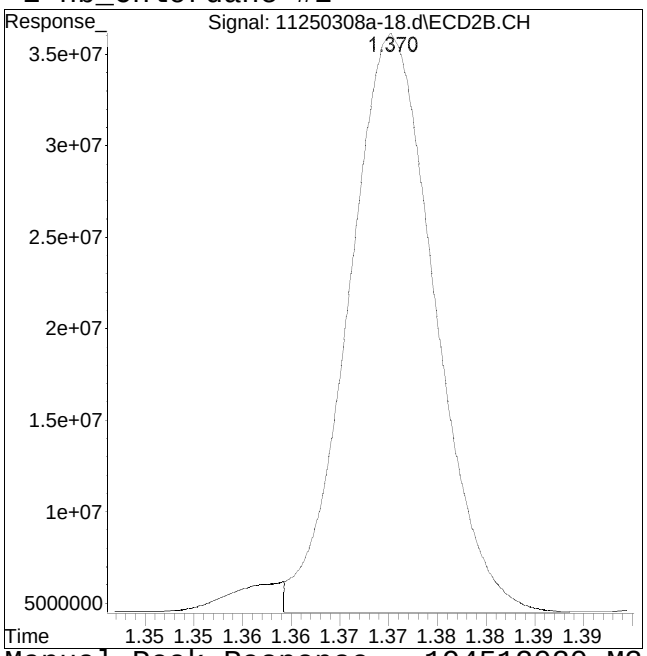
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-18.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 9:35 Instrument : Pest 11
Sample : L2512368-19,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #66: 1-br-2-nb_Chlordane #2



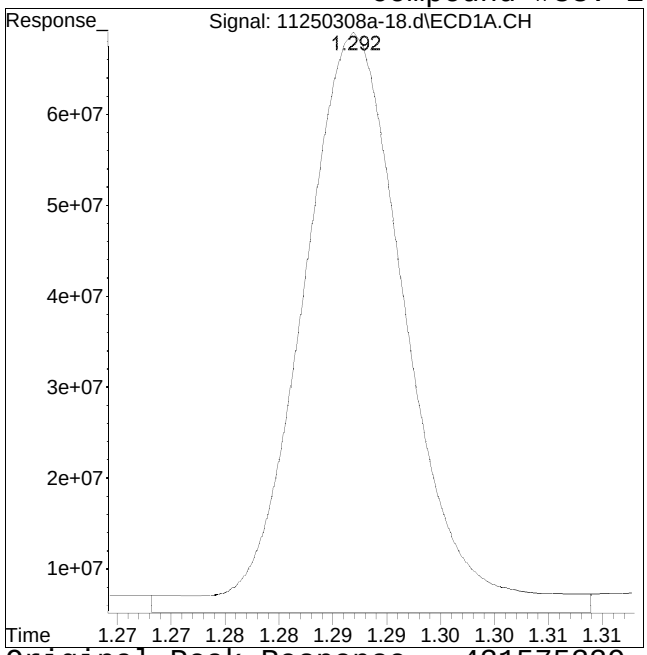


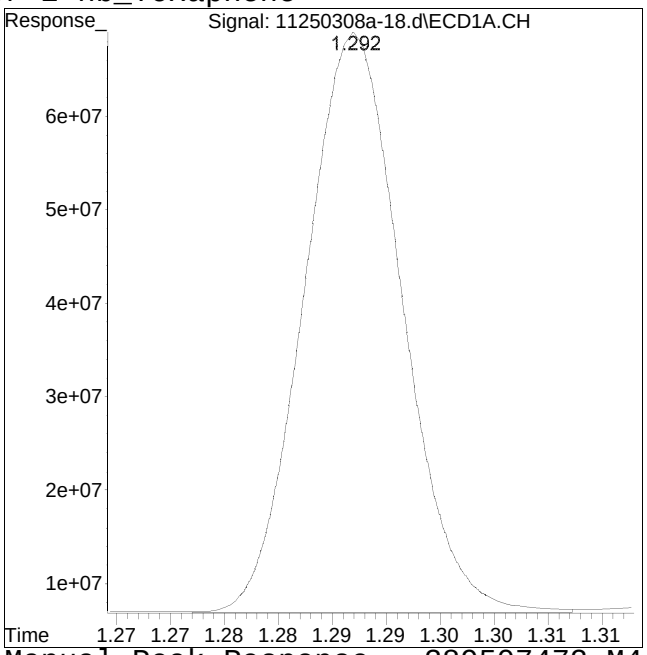
Original Peak Response = 201726842 Manual Peak Response = 194512020 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-18.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 9:35 Instrument : Pest 11
Sample : L2512368-19,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #33: 1-br-2-nb_Toxaphene



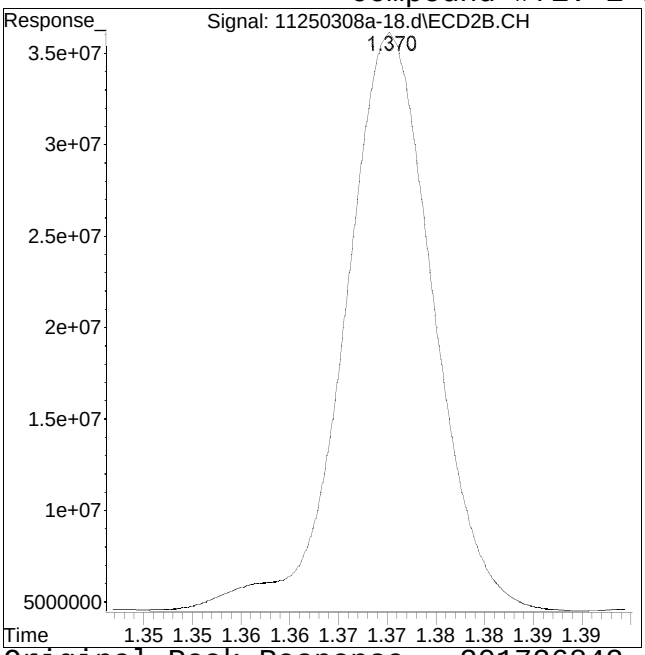


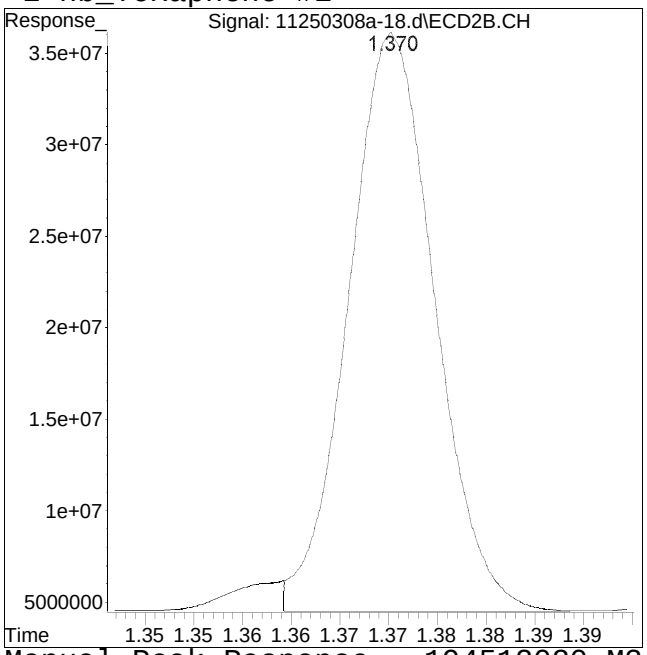
Original Peak Response = 431575339 Manual Peak Response = 389507472 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-18.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 9:35 Instrument : Pest 11
Sample : L2512368-19,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 201726842 Manual Peak Response = 194512020 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\250310a\
Data File : 10250310a-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Mar 2025 9:08
Operator : PEST10:akm
Sample : L2512368-01,42,,
Misc : wg2038433,WG2038216,ical21782
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 09:37:20 2025
Quant Method : I:\PEST\Pest10\2025\250310A\pest10_2024_12_12_ugL_ical21782.m
Quant Title : pest
QLast Update : Mon Mar 10 07:05:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2025\250310A\10250310a-03.d
Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
		Internal Standards						
1)	i	1-br-2-nb_Pe	1.317	1.356	81930550	76030300	25.000M4	25.000M4
		Standard Area 1 : #1 = 80616496				Recovery = 101.63%		
		Standard Area 1 : #2 = 84485285				Recovery = 89.99%		
28)	i	1-br-2-nb_Ch	1.317	1.356	81930550	76030300	25.000M4	25.000M4
33)	i	1-br-2-nb_To	1.317	1.356	81930550	76030300	25.000M4	25.000M4
		System Monitoring Compounds						
2)	s	2,4,5,6-Tetr	1.663	1.824	152.5E6	142.4E6	24.688M3	34.621M4
		Spiked Amount 50.000	Range 30 - 150			Recovery = 49.38%		69.24%
27)	s	Decachlorobi	6.312	6.890	154.0E6	152.3E6	32.325M4	36.610
		Spiked Amount 50.000	Range 30 - 150			Recovery = 64.65%		73.22%
		Target Compounds						
4)	t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	t	Heptachlor	2.530	2.907	7054177	6586049	1.368M4	1.348M4
9)	t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12)	t	Heptachlor E	3.320	3.834	3146784	4582316	0.571M4	0.936M4
13)	t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	t	Endosulfan I	3.717	4.285	4498052	3951751	0.817M4	0.840M4
17)	t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2025\250310a\
Data File : 10250310a-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Mar 2025 9:08
Operator : PEST10:akm
Sample : L2512368-01,42,,
Misc : wg2038433,WG2038216,ical21782
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 09:37:20 2025
Quant Method : I:\PEST\Pest10\2025\250310A\pest10_2024_12_12_ugL_ical21782.m
Quant Title : pest
QLast Update : Mon Mar 10 07:05:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2025\250310A\10250310a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	4.342	5.007	2533752	4390296	0.649M4 I	1.165M4
20) t	Endosulfan I	4.470	5.085	2373078	1967863	0.494M4	0.455M4
21) t	4,4'-DDT	4.635	5.288	3059874	3672526	0.826M4	0.902M4
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	5.280	5.613	1223133	1992433	0.255M4	0.482M4
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000
SemiQuant	Compounds - Not Calibrated on this Instrument						
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

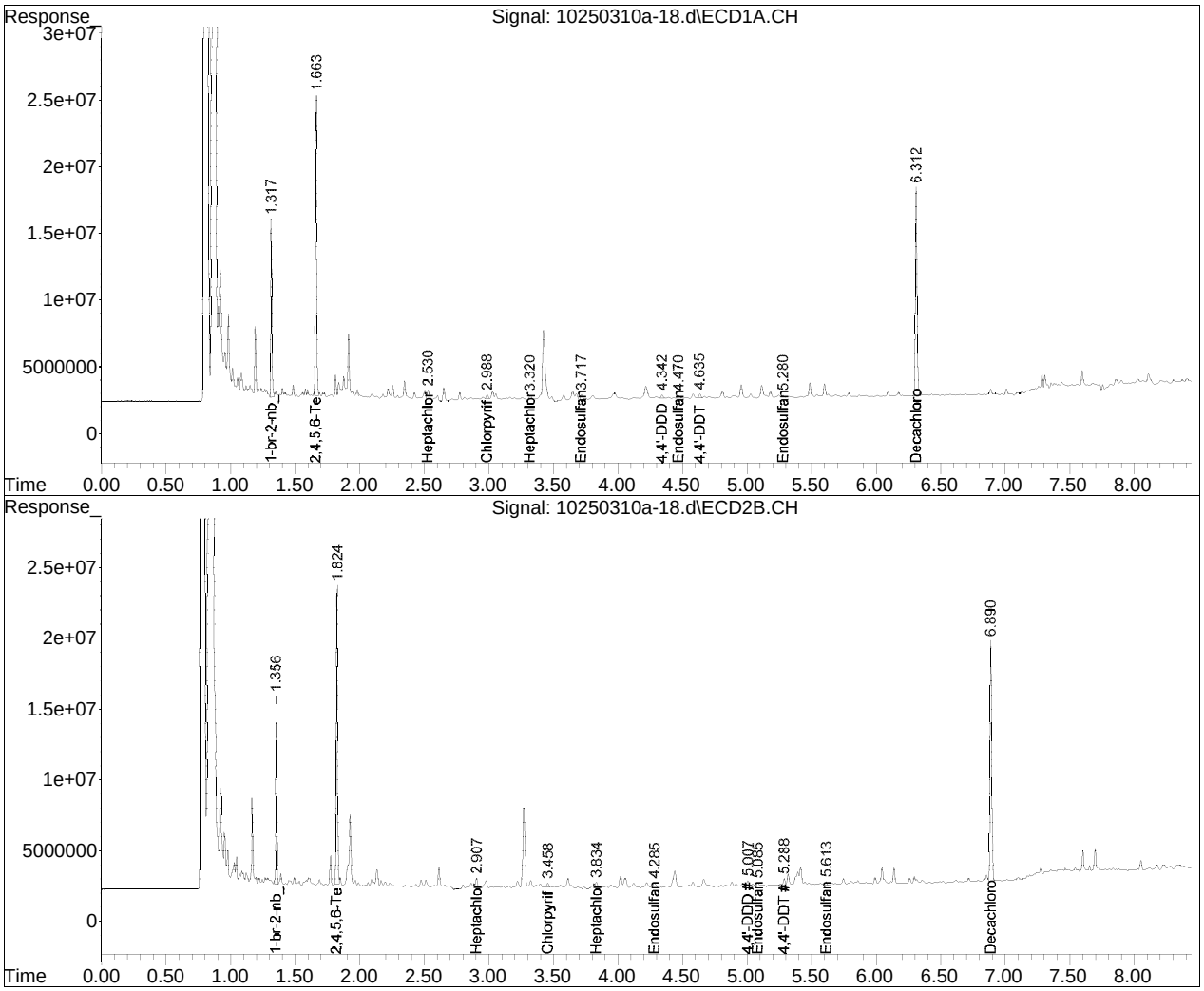
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\10250310a-03.d•

Data Path : I:\PEST\Pest10\2025\250310a\
Data File : 10250310a-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Mar 2025 9:08
Operator : PEST10:akm
Sample : L2512368-01,42,,
Misc : wg2038433,WG2038216,ical21782
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 09:37:20 2025
Quant Method : I:\PEST\Pest10\2025\250310A\pest10_2024_12_12_ugL_ical21782.m
Quant Title : pest
QLast Update : Mon Mar 10 07:05:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

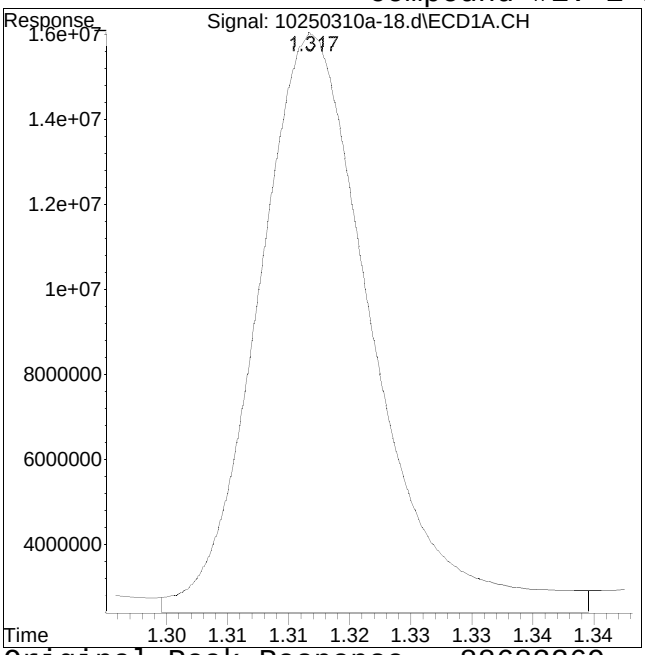


Manual Integration Report

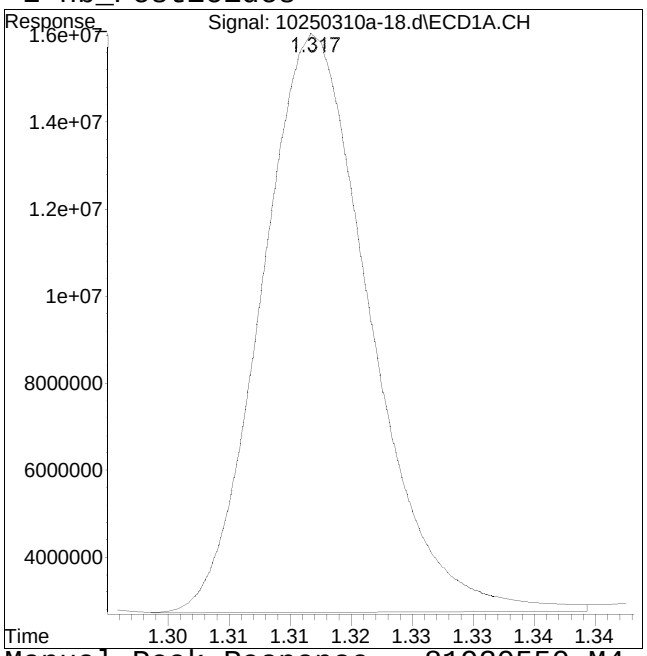
Data Path : I:\PEST\Pest10\2025\250310Q
Data File : 10250310a-18.d
Date Inj'd : 3/10/2025 9:08
Sample : L2512368-01,42,,

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 3/10/2025 9:37 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 88683269



Manual Peak Response = 81930550 M4

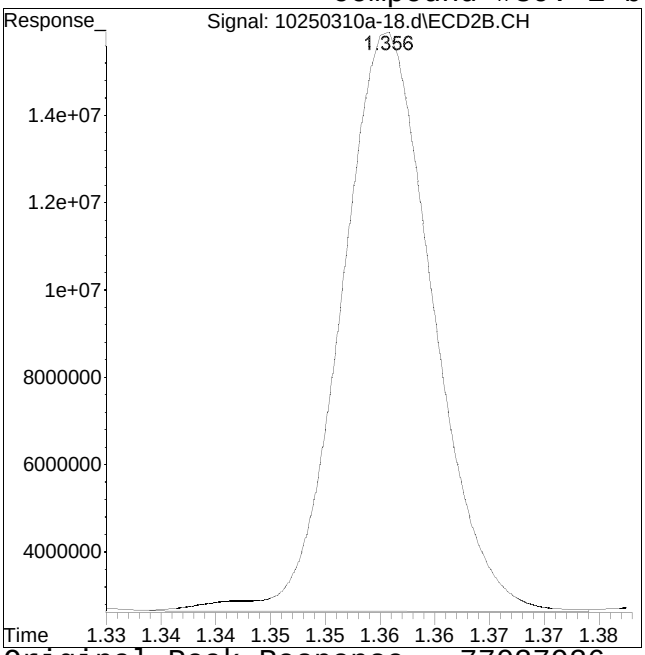
M4 = Poor automated baseline construction.

Manual Integration Report

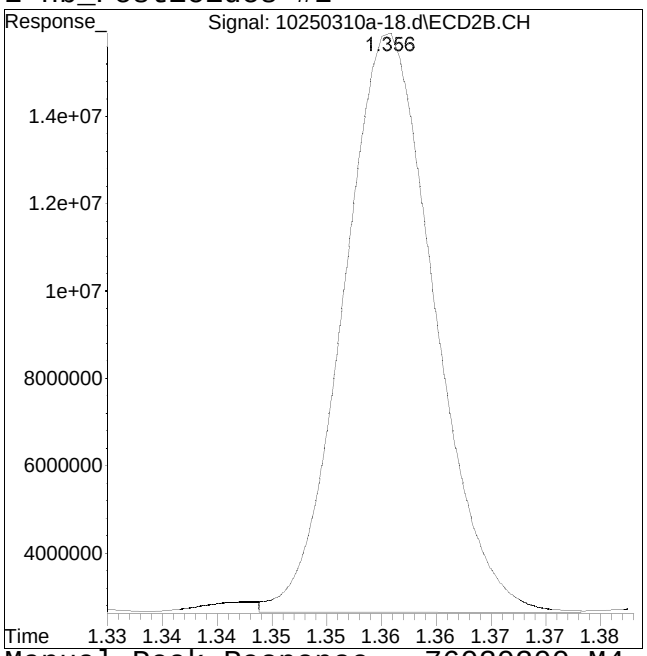
Data Path : I:\PEST\Pest10\2025\250310Q
Data File : 10250310a-18.d
Date Inj'd : 3/10/2025 9:08
Sample : L2512368-01,42,,

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 3/10/2025 9:37 am

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 77037936



Manual Peak Response = 76030300 M4

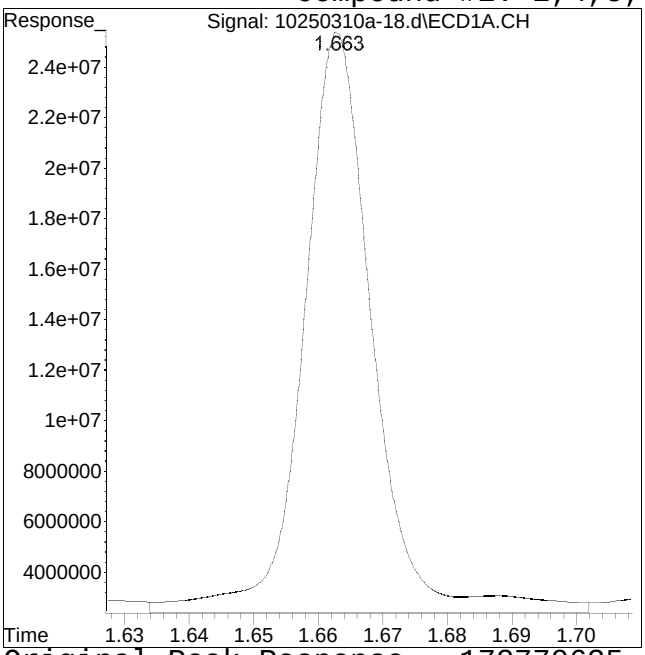
M4 = Poor automated baseline construction.

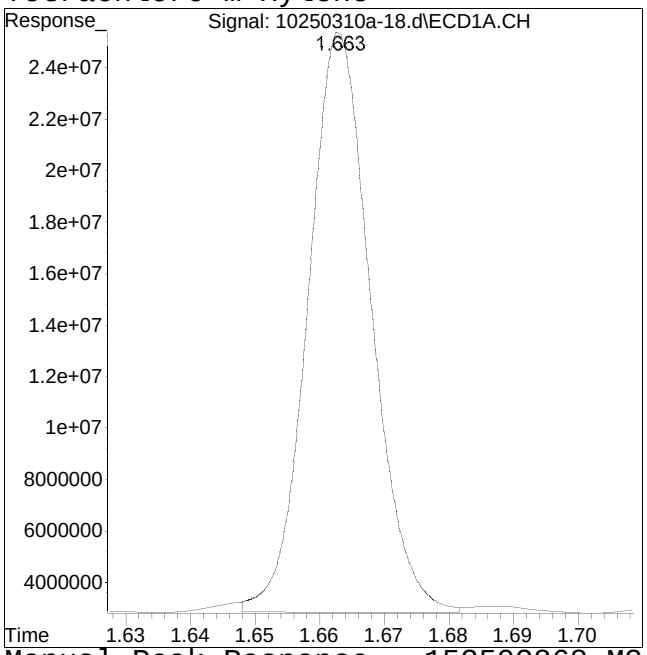
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310Q
Data File : 10250310a-18.d
Date Inj'd : 3/10/2025 9:08
Sample : L2512368-01,42,,

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 3/10/2025 9:37 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene





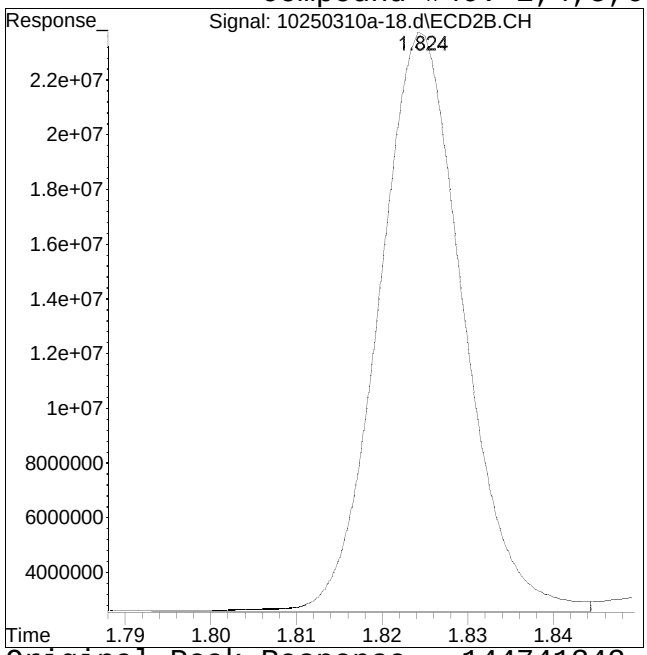
Original Peak Response = 172770635 Manual Peak Response = 152502868 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

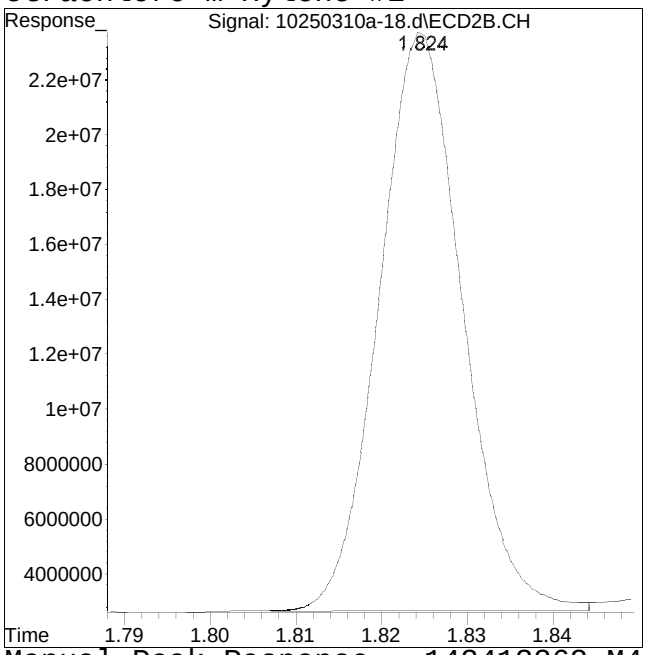
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310QMethod : pest10_2024_12_12_ugL_ic
Data File : 10250310a-18.d Operator : PEST10:akm
Date Inj'd : 3/10/2025 9:08 Instrument : Pest 10
Sample : L2512368-01,42,, Quant Date : 3/10/2025 9:37 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 144741342



Manual Peak Response = 142413262 M4

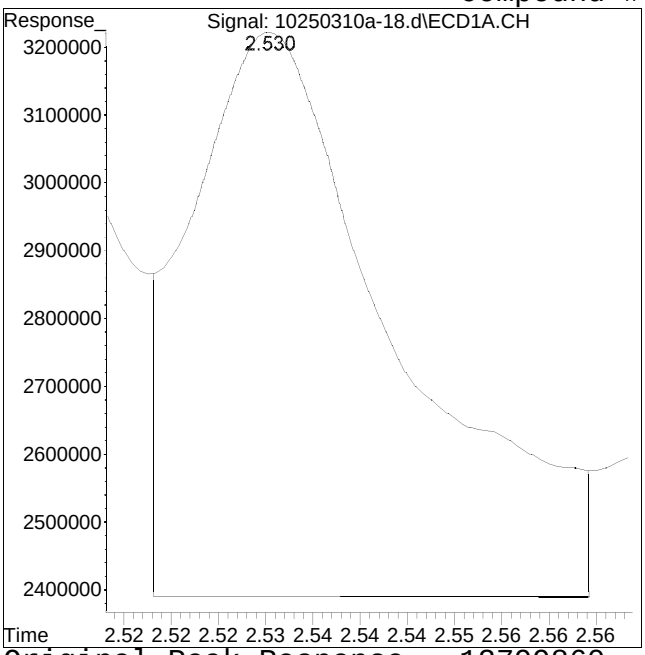
M4 = Poor automated baseline construction.

Manual Integration Report

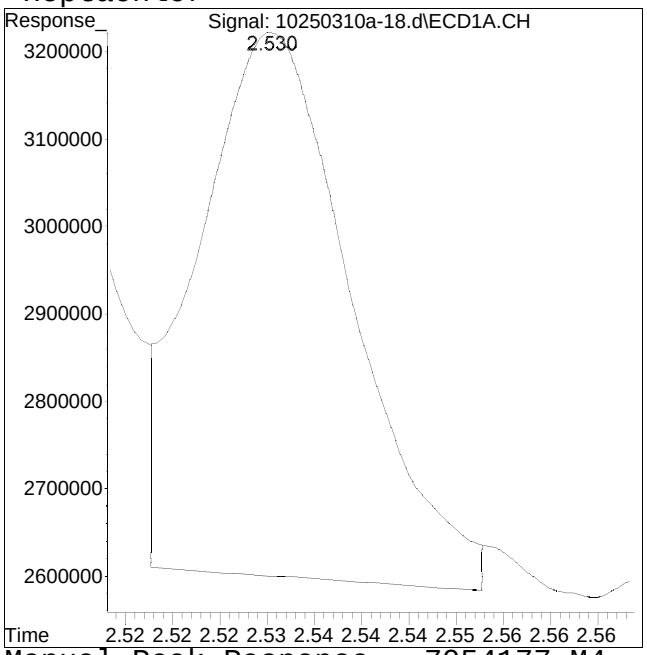
Data Path : I:\PEST\Pest10\2025\250310Q
Data File : 10250310a-18.d
Date Inj'd : 3/10/2025 9:08
Sample : L2512368-01,42,,

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 3/10/2025 9:37 am

Compound #8: Heptachlor



Original Peak Response = 12799860



Manual Peak Response = 7054177 M4

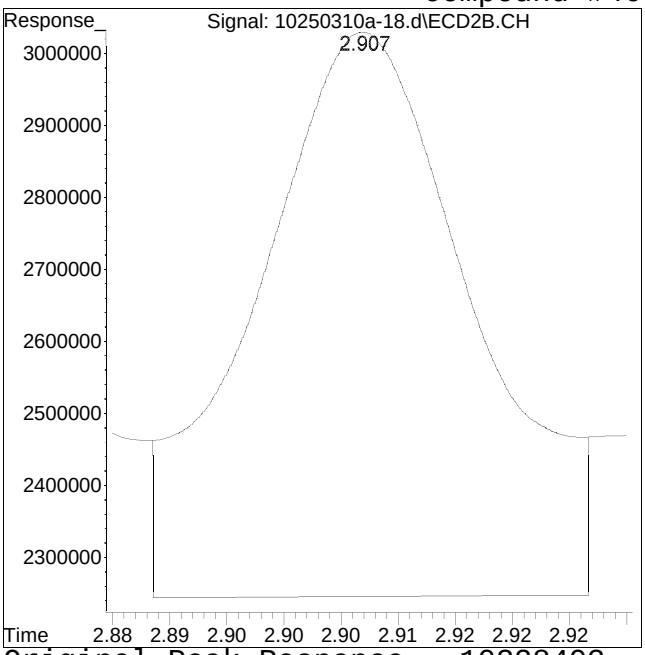
M4 = Poor automated baseline construction.

Manual Integration Report

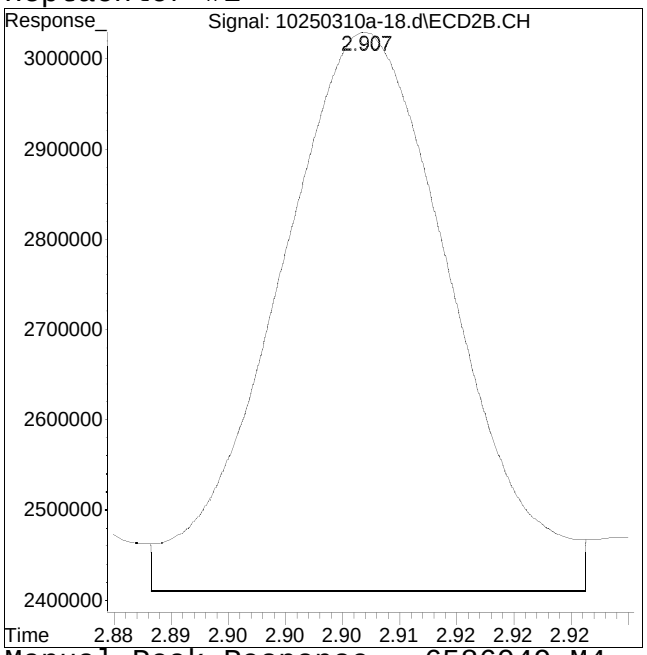
Data Path : I:\PEST\Pest10\2025\250310Q
Data File : 10250310a-18.d
Date Inj'd : 3/10/2025 9:08
Sample : L2512368-01,42,,

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 3/10/2025 9:37 am

Compound #46: Heptachlor #2



Original Peak Response = 10328493



Manual Peak Response = 6586049 M4

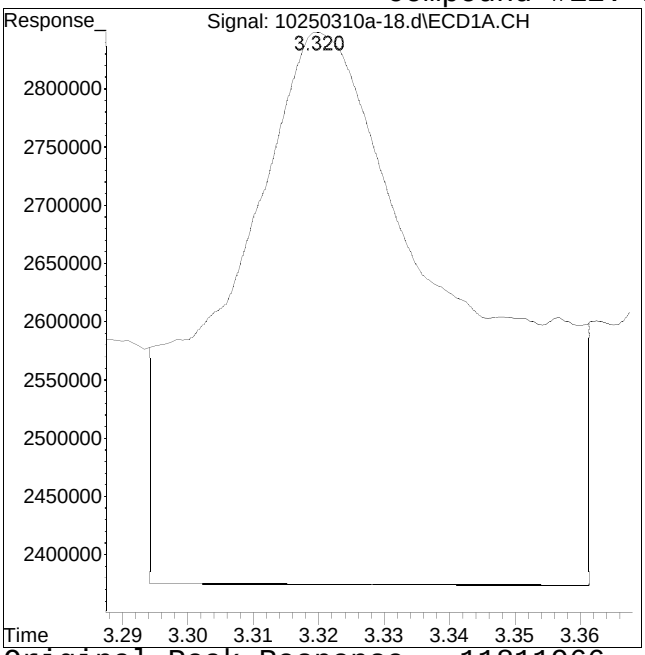
M4 = Poor automated baseline construction.

Manual Integration Report

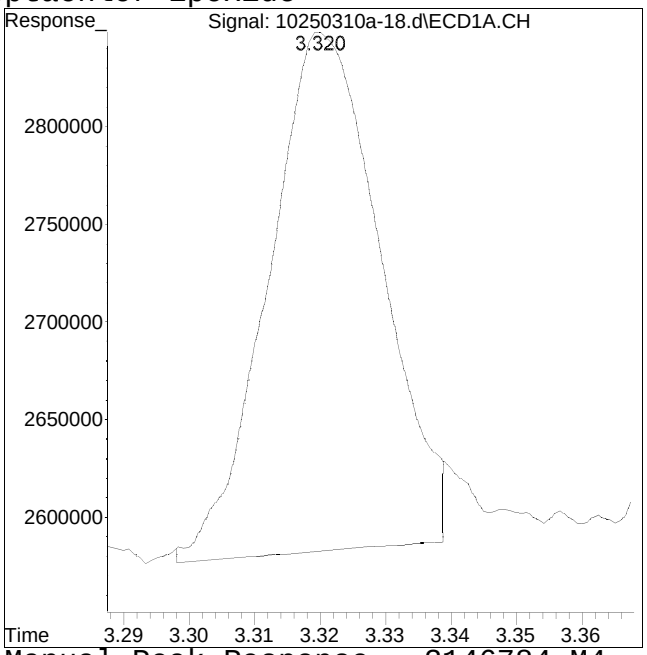
Data Path : I:\PEST\Pest10\2025\250310Q
Data File : 10250310a-18.d
Date Inj'd : 3/10/2025 9:08
Sample : L2512368-01,42,,

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 3/10/2025 9:37 am

Compound #12: Heptachlor Epoxide



Original Peak Response = 11811966



Manual Peak Response = 3146784 M4

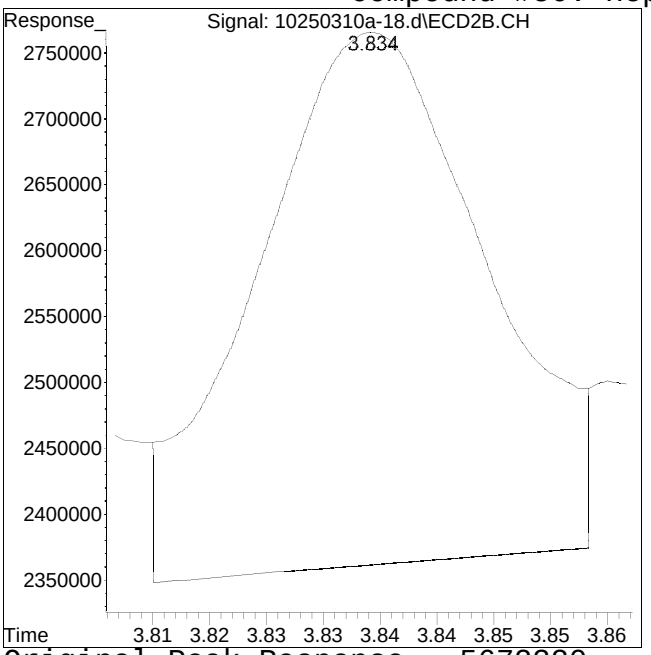
M4 = Poor automated baseline construction.

Manual Integration Report

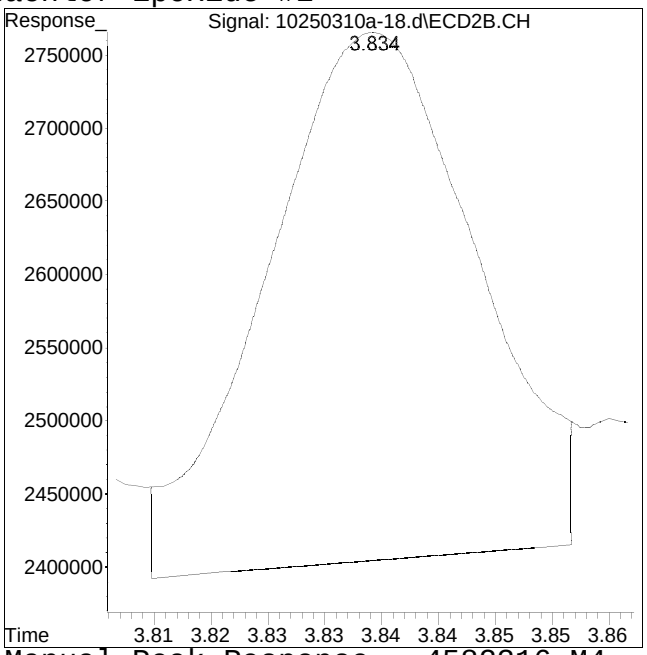
Data Path : I:\PEST\Pest10\2025\250310Q
Data File : 10250310a-18.d
Date Inj'd : 3/10/2025 9:08
Sample : L2512368-01,42,,

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 3/10/2025 9:37 am

Compound #50: Heptachlor Epoxide #2



Original Peak Response = 5672320



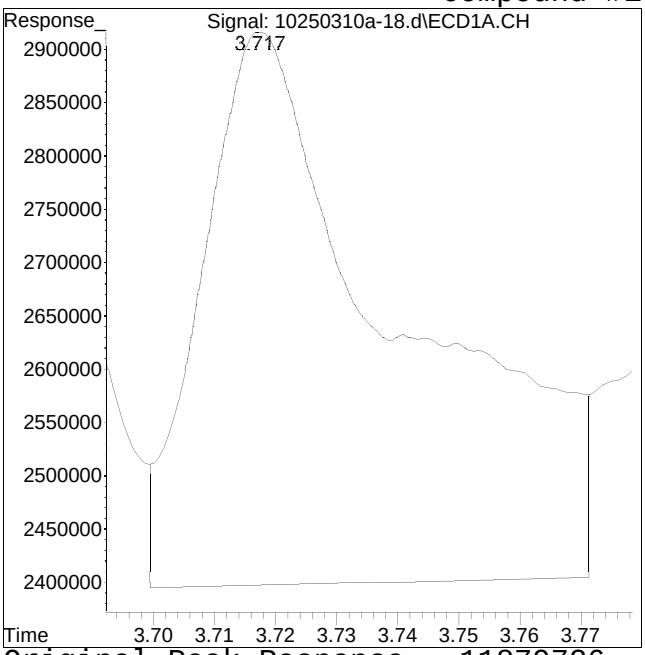
Manual Peak Response = 4582316 M4

M4 = Poor automated baseline construction.

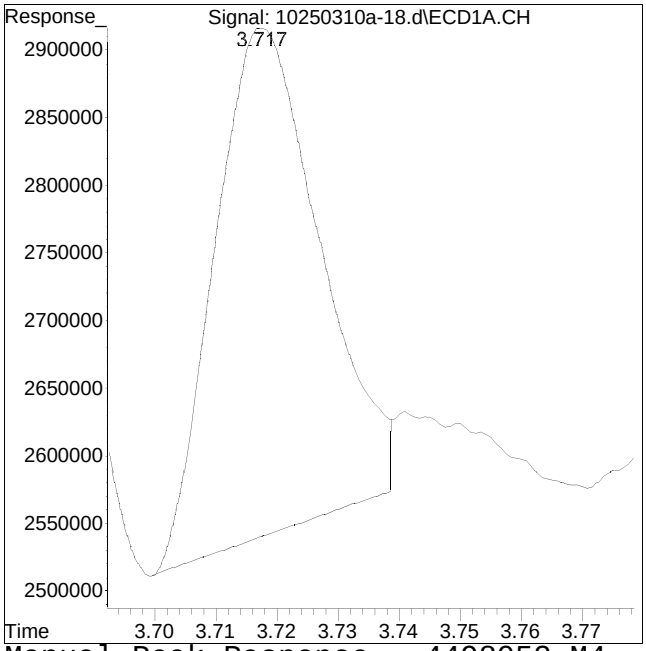
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310QMethod : pest10_2024_12_12_ugL_ic
Data File : 10250310a-18.d Operator : PEST10:akm
Date Inj'd : 3/10/2025 9:08 Instrument : Pest 10
Sample : L2512368-01,42,, Quant Date : 3/10/2025 9:37 am

Compound #16: Endosulfan I



Original Peak Response = 11879726



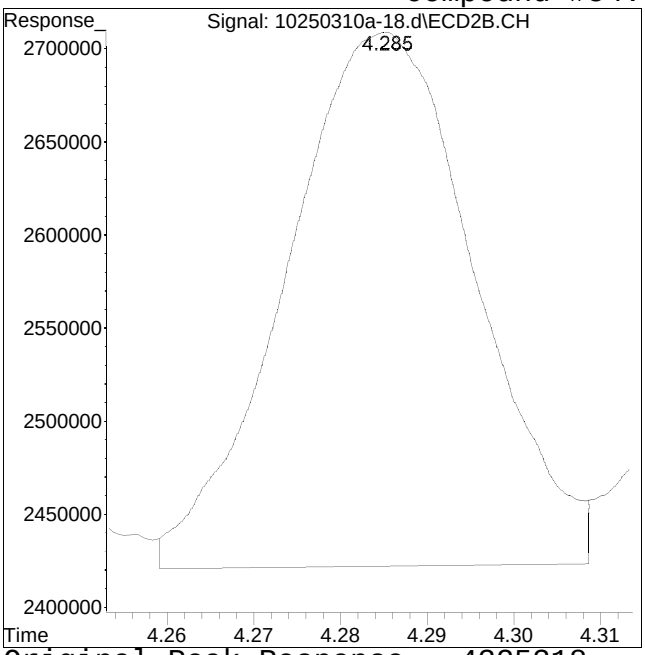
Manual Peak Response = 4498052 M4

M4 = Poor automated baseline construction.

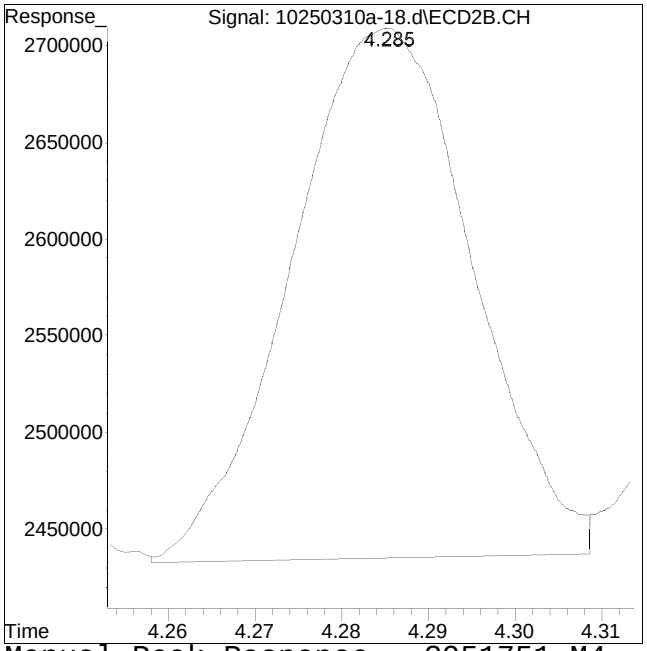
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310QMethod : pest10_2024_12_12_ugL_ic
Data File : 10250310a-18.d Operator : PEST10:akm
Date Inj'd : 3/10/2025 9:08 Instrument : Pest 10
Sample : L2512368-01,42,, Quant Date : 3/10/2025 9:37 am

Compound #54: Endosulfan I #2



Original Peak Response = 4325318



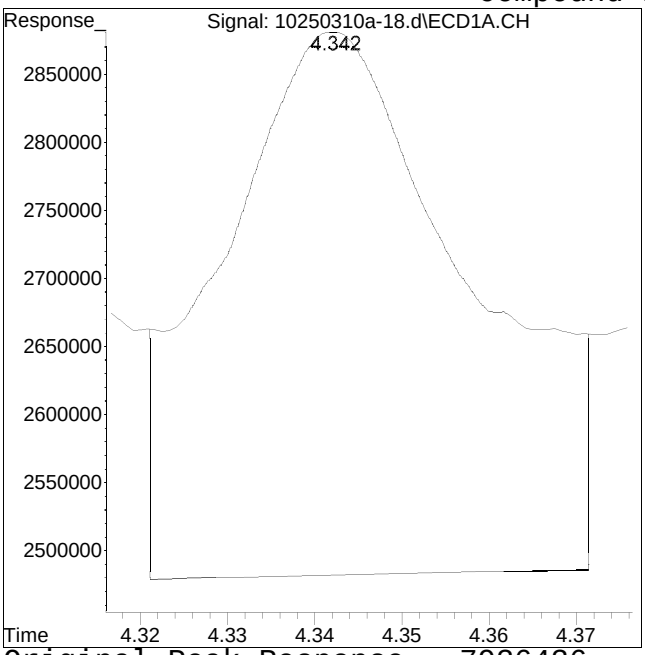
Manual Peak Response = 3951751 M4

M4 = Poor automated baseline construction.

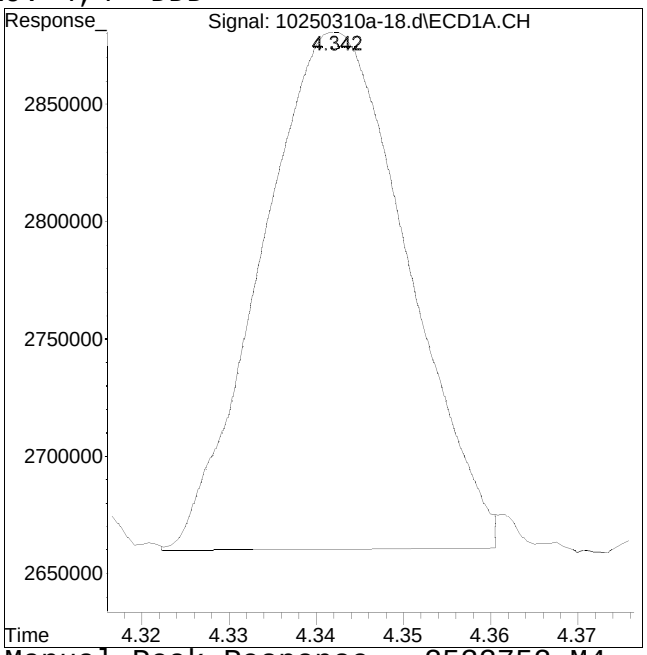
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310QMethod : pest10_2024_12_12_ugL_ic
Data File : 10250310a-18.d Operator : PEST10:akm
Date Inj'd : 3/10/2025 9:08 Instrument : Pest 10
Sample : L2512368-01,42,, Quant Date : 3/10/2025 9:37 am

Compound #19: 4,4'-DDD



Original Peak Response = 7936436



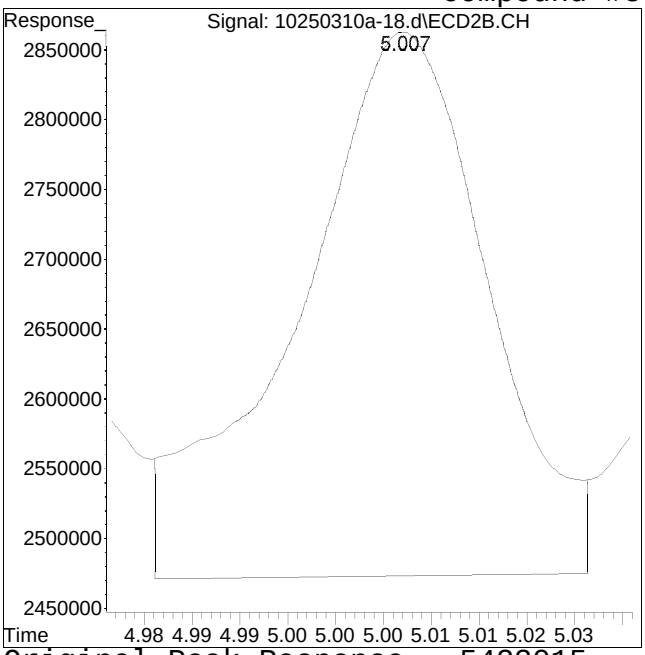
Manual Peak Response = 2533752 M4

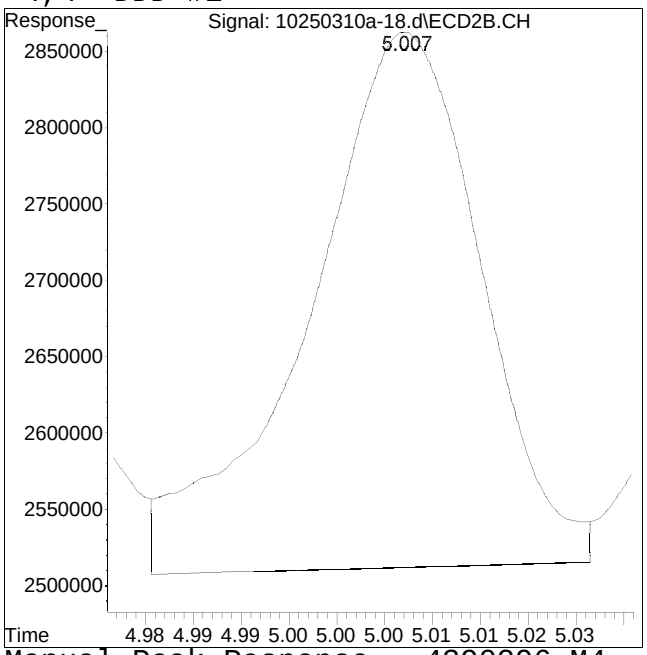
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310QMethod : pest10_2024_12_12_ugL_ic
Data File : 10250310a-18.d Operator : PEST10:akm
Date Inj'd : 3/10/2025 9:08 Instrument : Pest 10
Sample : L2512368-01,42,, Quant Date : 3/10/2025 9:37 am

Compound #57: 4,4'-DDD #2



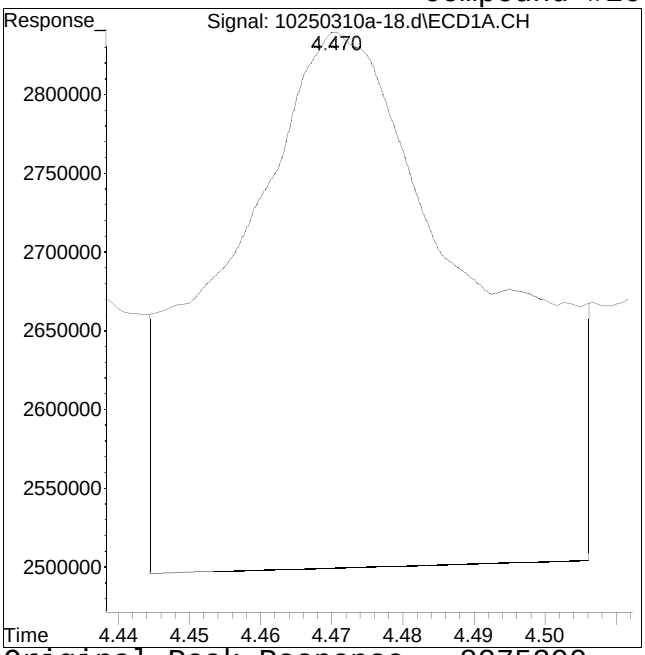


Original Peak Response = 5423015 Manual Peak Response = 4390296 M4
M4 = Poor automated baseline construction.

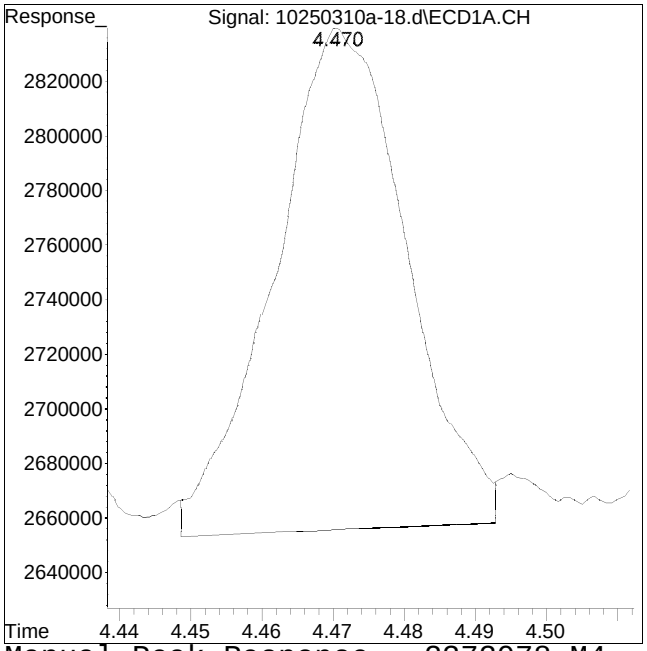
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310QMethod : pest10_2024_12_12_ugL_ic
Data File : 10250310a-18.d Operator : PEST10:akm
Date Inj'd : 3/10/2025 9:08 Instrument : Pest 10
Sample : L2512368-01,42,, Quant Date : 3/10/2025 9:37 am

Compound #20: Endosulfan II



Original Peak Response = 8275290



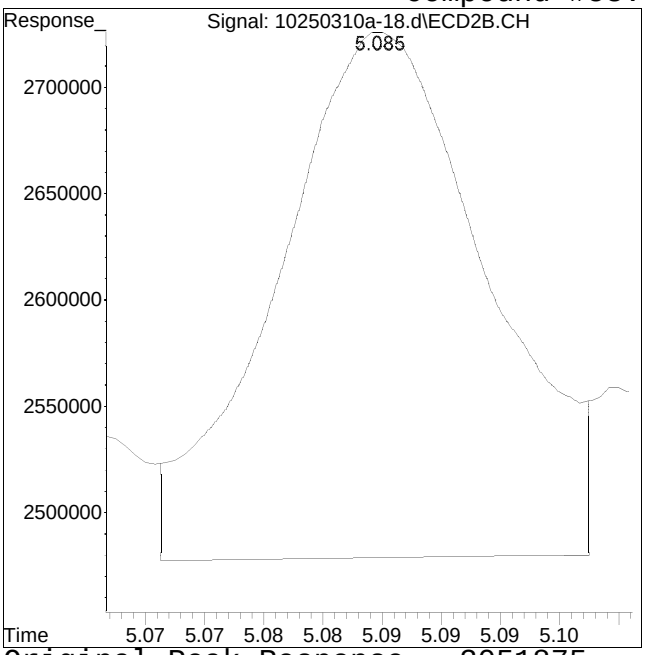
Manual Peak Response = 2373078 M4

M4 = Poor automated baseline construction.

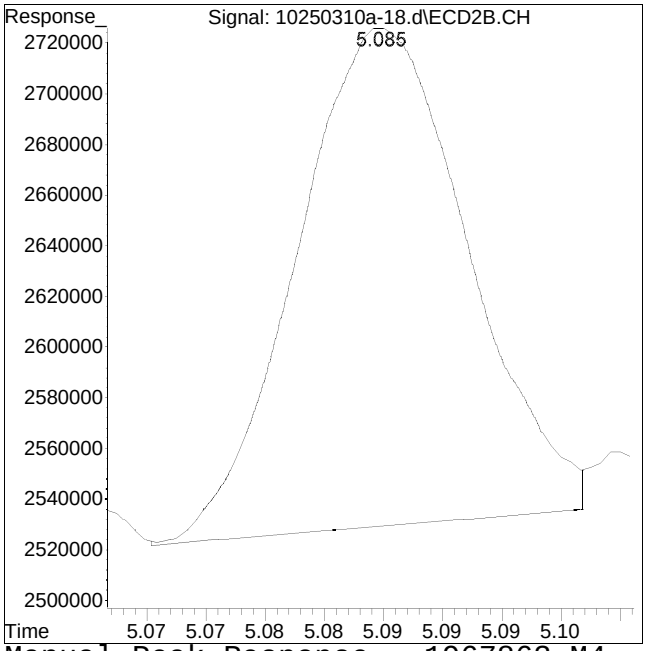
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310QMethod : pest10_2024_12_12_ugL_ic
Data File : 10250310a-18.d Operator : PEST10:akm
Date Inj'd : 3/10/2025 9:08 Instrument : Pest 10
Sample : L2512368-01,42,, Quant Date : 3/10/2025 9:37 am

Compound #58: Endosulfan II #2



Original Peak Response = 3051875



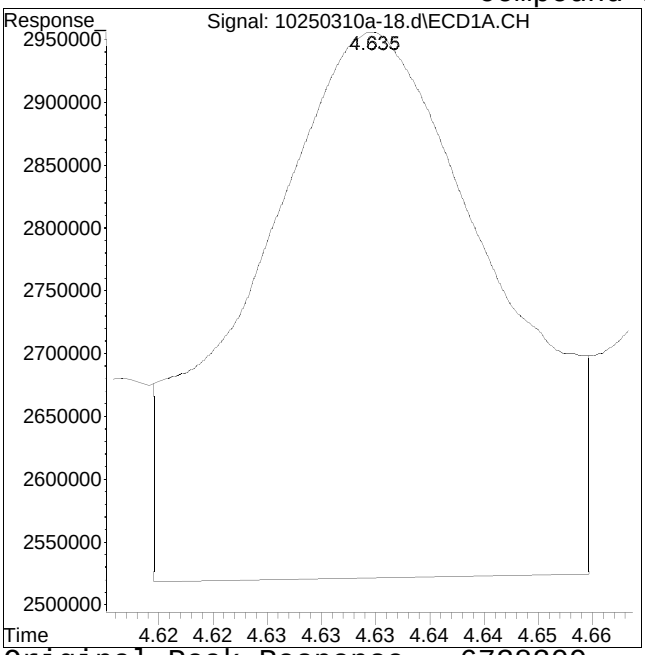
Manual Peak Response = 1967863 M4

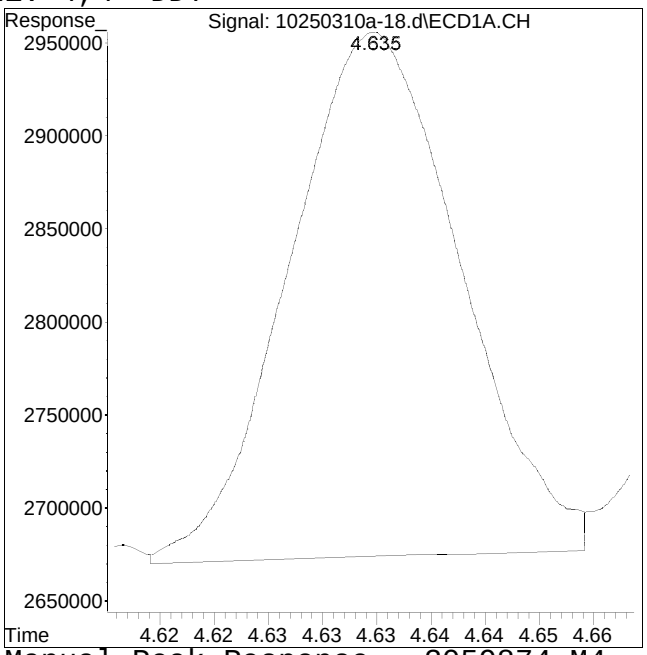
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310QMethod : pest10_2024_12_12_ugL_ic
Data File : 10250310a-18.d Operator : PEST10:akm
Date Inj'd : 3/10/2025 9:08 Instrument : Pest 10
Sample : L2512368-01,42,, Quant Date : 3/10/2025 9:37 am

Compound #21: 4,4'-DDT



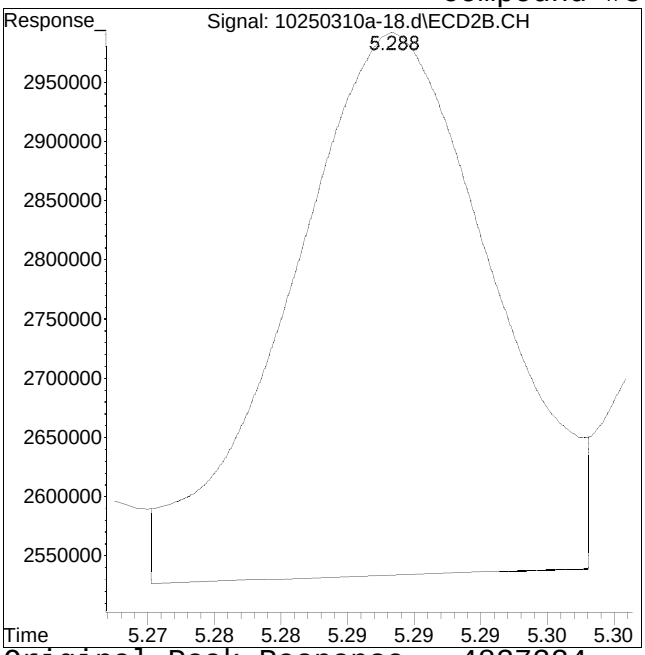


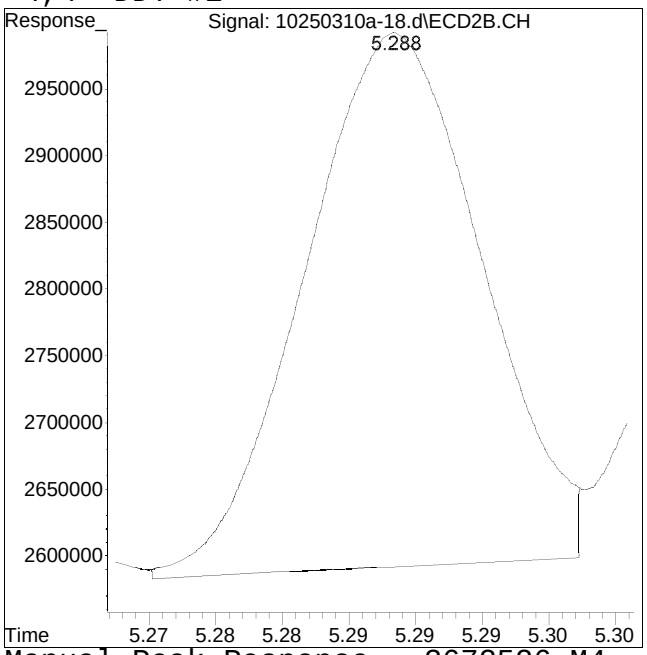
Original Peak Response = 6738309 Manual Peak Response = 3059874 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310QMethod : pest10_2024_12_12_ugL_ic
Data File : 10250310a-18.d Operator : PEST10:akm
Date Inj'd : 3/10/2025 9:08 Instrument : Pest 10
Sample : L2512368-01,42,, Quant Date : 3/10/2025 9:37 am

Compound #59: 4,4'-DDT #2



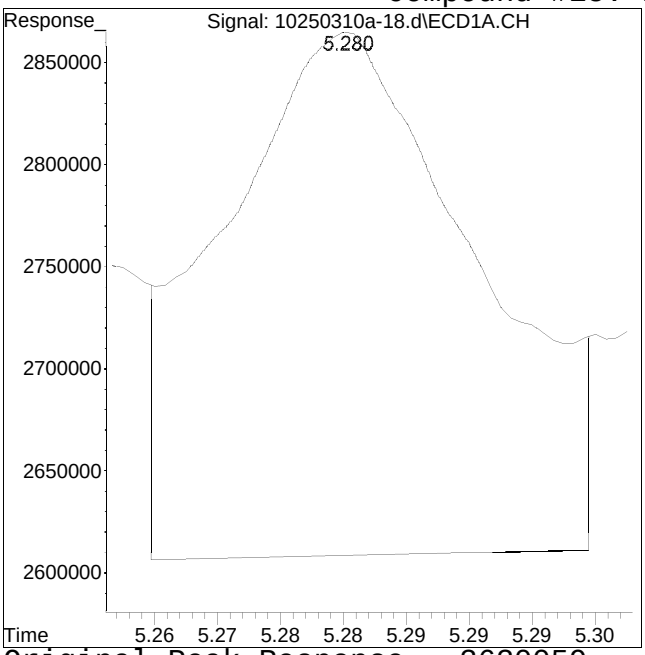


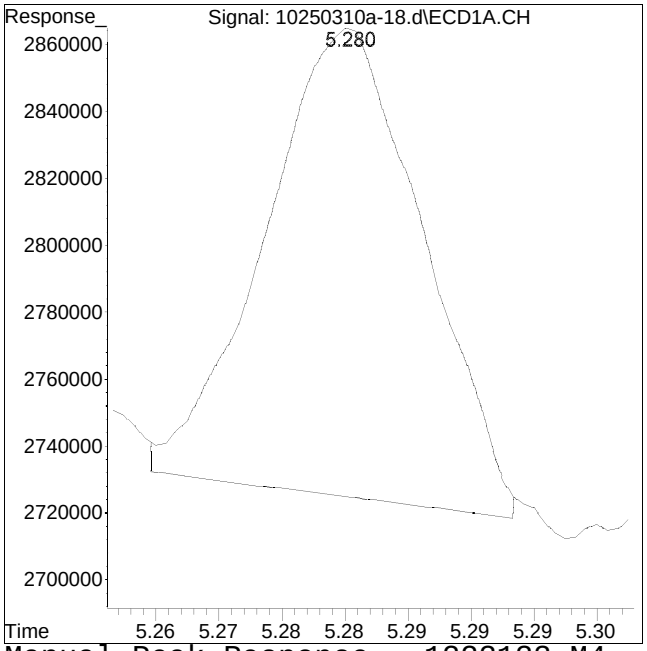
Original Peak Response = 4837324 Manual Peak Response = 3672526 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310QMethod : pest10_2024_12_12_ugL_ic
Data File : 10250310a-18.d Operator : PEST10:akm
Date Inj'd : 3/10/2025 9:08 Instrument : Pest 10
Sample : L2512368-01,42,, Quant Date : 3/10/2025 9:37 am

Compound #25: Endosulfan Sulfate



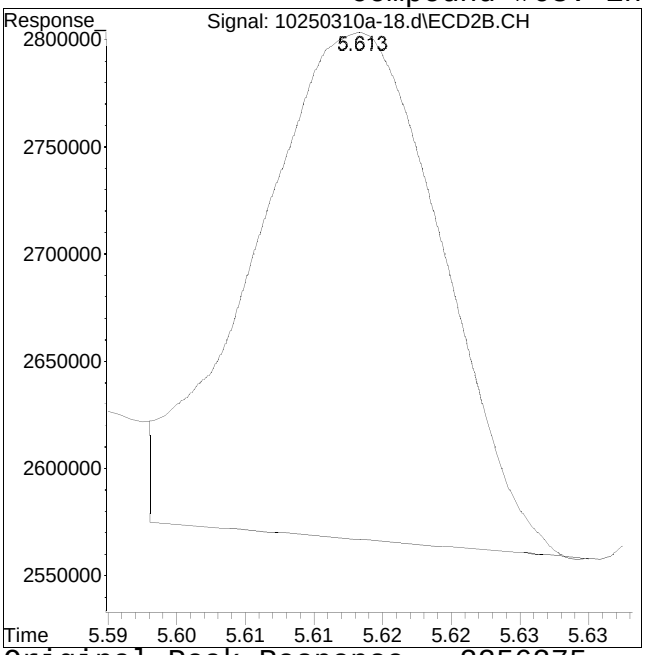


Original Peak Response = 3630059 Manual Peak Response = 1223133 M4
M4 = Poor automated baseline construction.

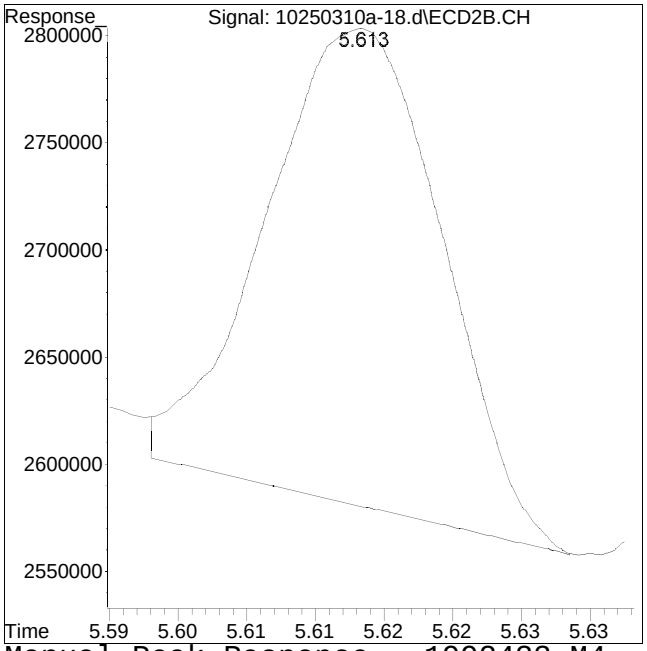
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310QMethod : pest10_2024_12_12_ugL_ic
Data File : 10250310a-18.d Operator : PEST10:akm
Date Inj'd : 3/10/2025 9:08 Instrument : Pest 10
Sample : L2512368-01,42,, Quant Date : 3/10/2025 9:37 am

Compound #63: Endosulfan Sulfate #2



Original Peak Response = 2256275



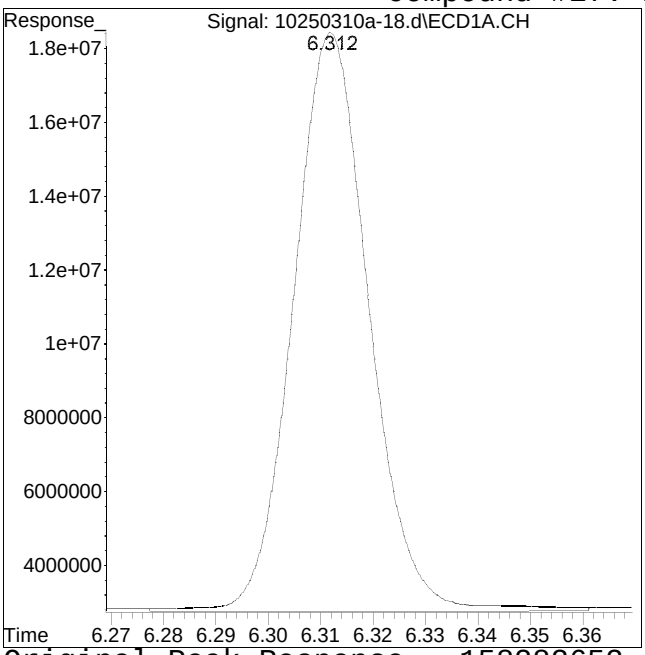
Manual Peak Response = 1992433 M4

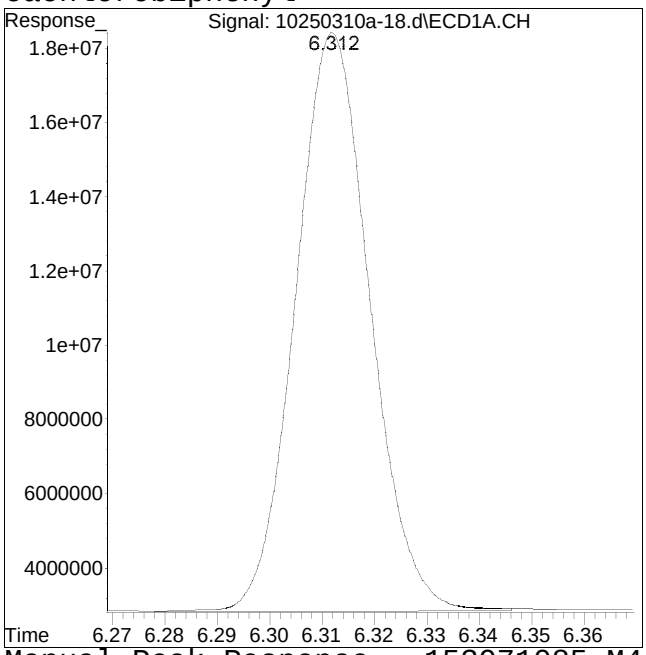
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310QMethod : pest10_2024_12_12_ugL_ic
Data File : 10250310a-18.d Operator : PEST10:akm
Date Inj'd : 3/10/2025 9:08 Instrument : Pest 10
Sample : L2512368-01,42,, Quant Date : 3/10/2025 9:37 am

Compound #27: Decachlorobiphenyl





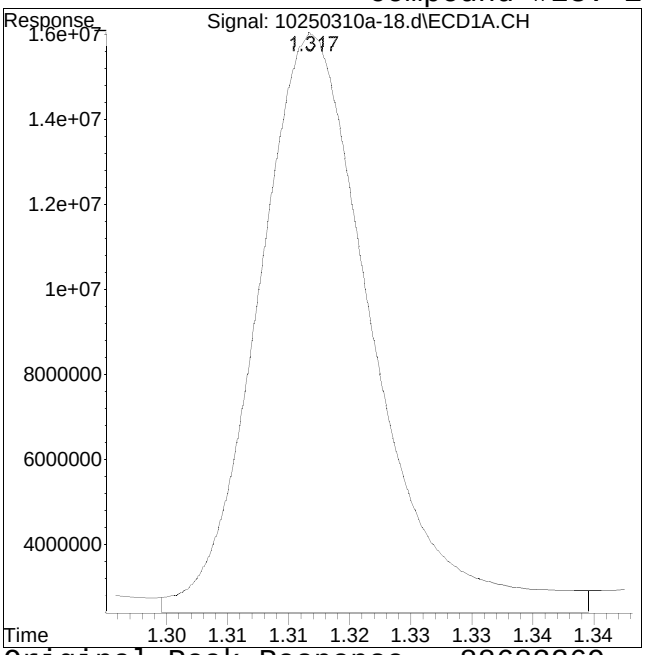
Original Peak Response = 158282652 Manual Peak Response = 153971085 M4
M4 = Poor automated baseline construction.

Manual Integration Report

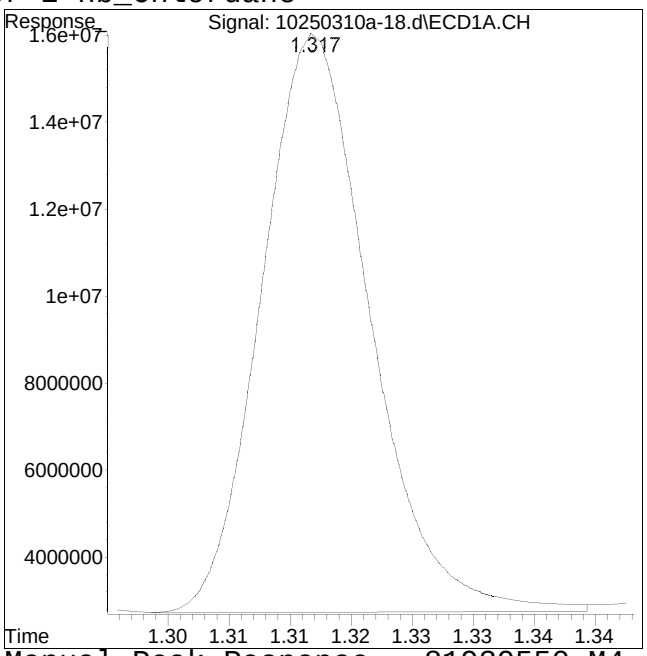
Data Path : I:\PEST\Pest10\2025\250310Q
Data File : 10250310a-18.d
Date Inj'd : 3/10/2025 9:08
Sample : L2512368-01,42,,

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 3/10/2025 9:37 am

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 88683269



Manual Peak Response = 81930550 M4

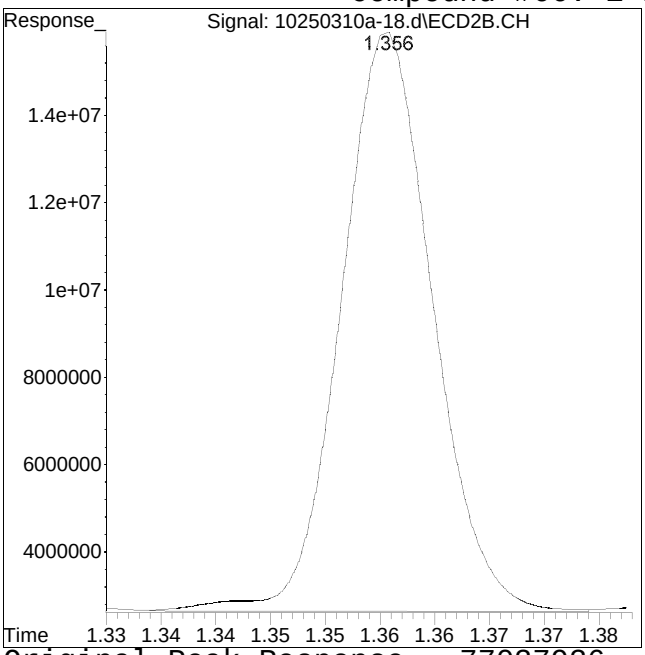
M4 = Poor automated baseline construction.

Manual Integration Report

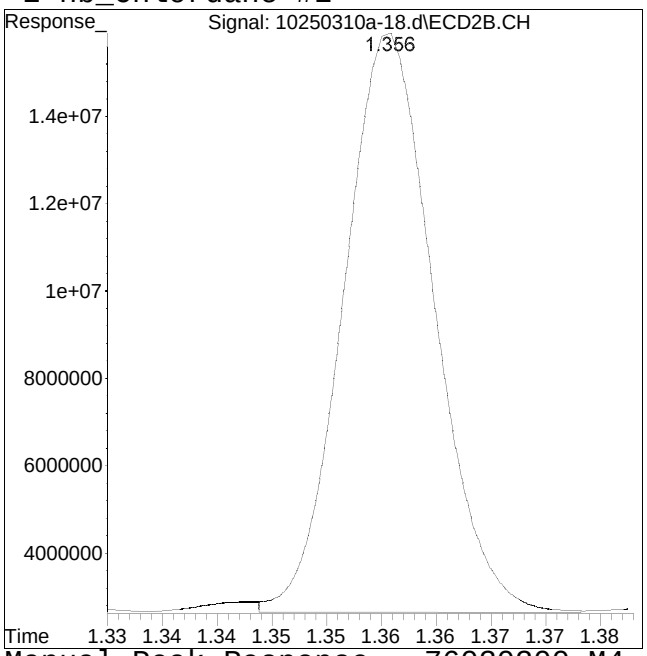
Data Path : I:\PEST\Pest10\2025\250310Q
Data File : 10250310a-18.d
Date Inj'd : 3/10/2025 9:08
Sample : L2512368-01,42,,

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 3/10/2025 9:37 am

Compound #66: 1-br-2-nb_Chlordane #2



Original Peak Response = 77037936



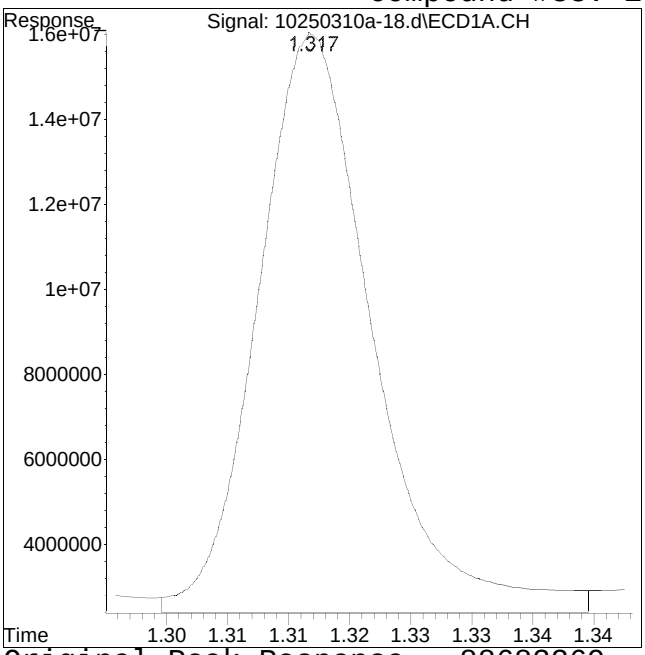
Manual Peak Response = 76030300 M4

M4 = Poor automated baseline construction.

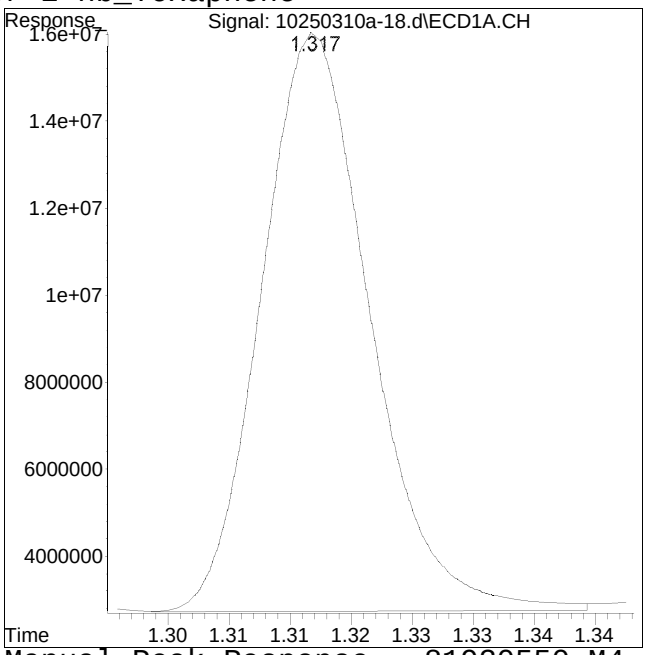
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310QMethod : pest10_2024_12_12_ugL_ic
Data File : 10250310a-18.d Operator : PEST10:akm
Date Inj'd : 3/10/2025 9:08 Instrument : Pest 10
Sample : L2512368-01,42,, Quant Date : 3/10/2025 9:37 am

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 88683269



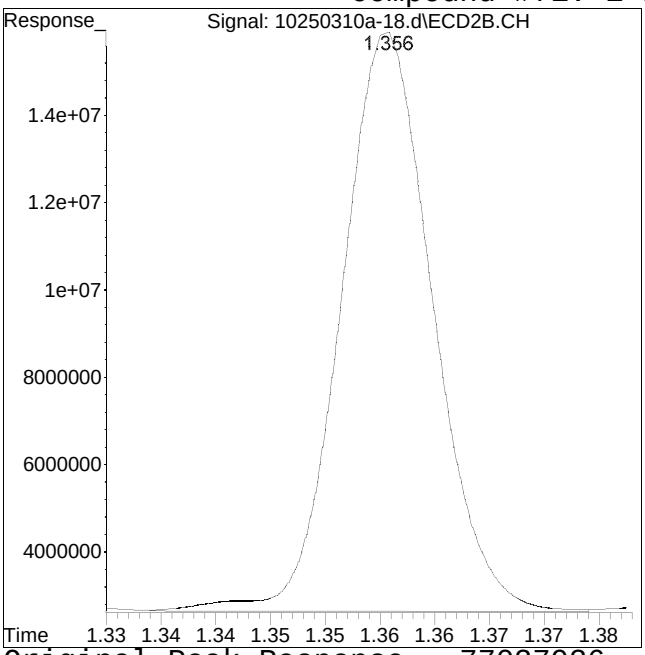
Manual Peak Response = 81930550 M4

M4 = Poor automated baseline construction.

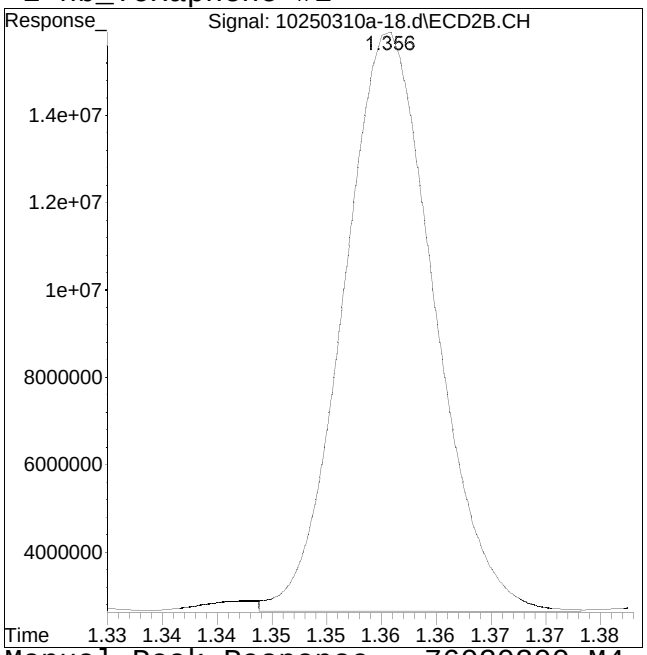
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310QMethod : pest10_2024_12_12_ugL_ic
Data File : 10250310a-18.d Operator : PEST10:akm
Date Inj'd : 3/10/2025 9:08 Instrument : Pest 10
Sample : L2512368-01,42,, Quant Date : 3/10/2025 9:37 am

Compound #71: 1-br-2-nb_Toxaphene #2



Original Peak Response = 77037936



Manual Peak Response = 76030300 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\250310A\
Data File : 10250310a-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Mar 2025 9:19
Operator : PEST10:akm
Sample : L2512368-02,42,,
Misc : wg2038433,WG2038216,ical21782
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 09:37:22 2025
Quant Method : I:\PEST\Pest10\2025\250310A\pest10_2024_12_12_ugL_ical21782.m
Quant Title : pest
QLast Update : Mon Mar 10 07:05:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2025\250310A\10250310a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.316	1.355	73233238	68894847	25.000M4	25.000M3
	Standard Area 1 : #1 = 80616496				Recovery =	90.84%	
	Standard Area 1 : #2 = 84485285				Recovery =	81.55%	
28) i	1-br-2-nb_Ch	1.316	1.355	73233238	68894847	25.000M4	25.000M3
33) i	1-br-2-nb_To	1.316	1.355	73233238	68894847	25.000M4	25.000M3
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.663	1.824	145.7E6	132.7E6	26.395M3	35.598M4
	Spiked Amount 50.000	Range 30 - 150			Recovery =	52.79%	71.20%
27) s	Decachlorobi	6.312	6.890	149.0E6	144.4E6	35.103	38.348
	Spiked Amount 50.000	Range 30 - 150			Recovery =	70.21%	76.70%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\250310A\
Data File : 10250310a-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Mar 2025 9:19
Operator : PEST10:akm
Sample : L2512368-02,42,,
Misc : wg2038433,WG2038216,ical21782
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 09:37:22 2025
Quant Method : I:\PEST\Pest10\2025\250310A\pest10_2024_12_12_ugL_ical21782.m
Quant Title : pest
QLast Update : Mon Mar 10 07:05:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2025\250310A\10250310a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

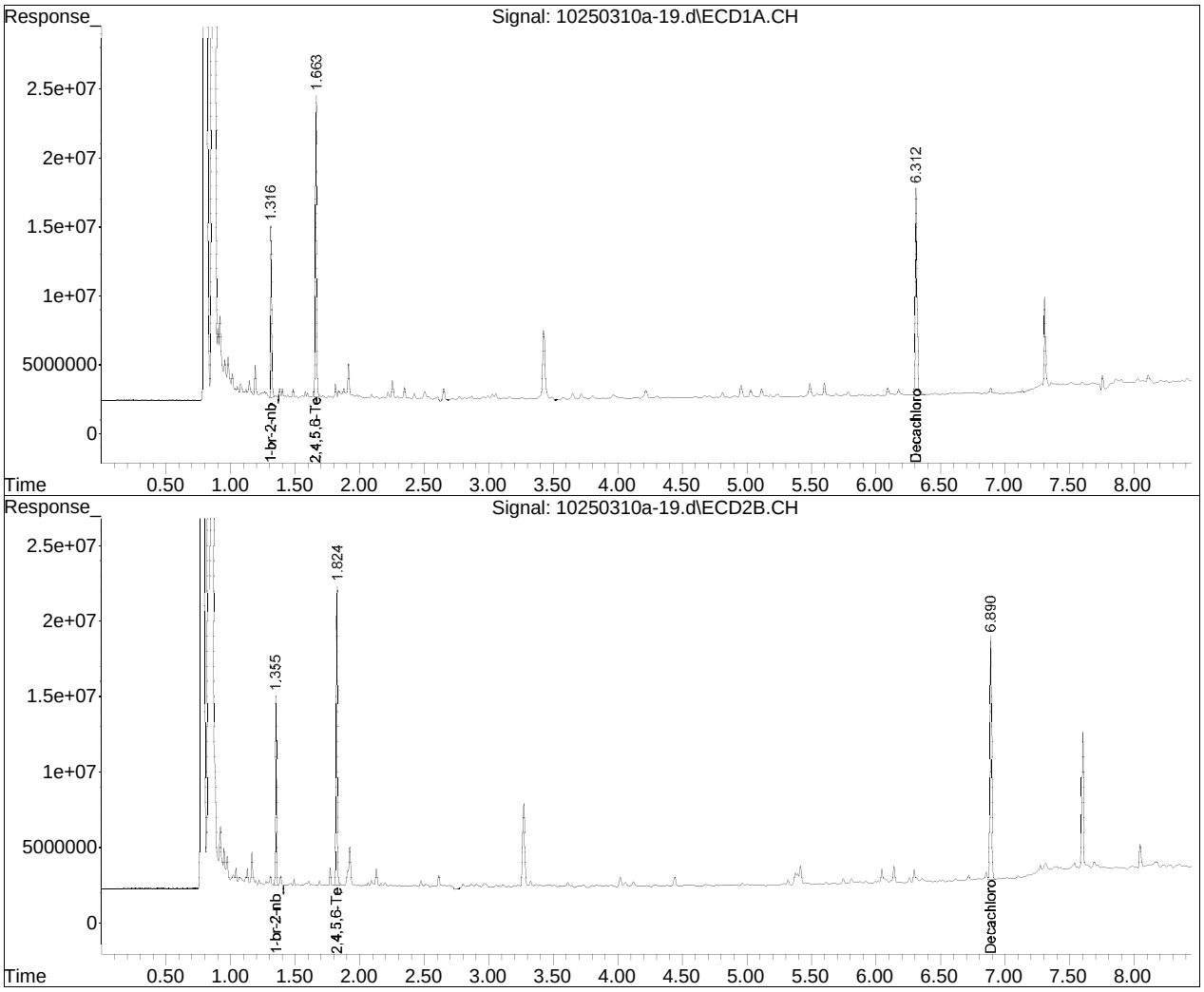
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.

Sub List : Default - All compounds listedA\10250310a-03.d•

Data Path : I:\PEST\Pest10\2025\250310A\
Data File : 10250310a-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Mar 2025 9:19
Operator : PEST10:akm
Sample : L2512368-02,42,,
Misc : wg2038433,WG2038216,ical21782
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 09:37:22 2025
Quant Method : I:\PEST\Pest10\2025\250310A\pest10_2024_12_12_ugL_ical21782.m
Quant Title : pest
QLast Update : Mon Mar 10 07:05:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

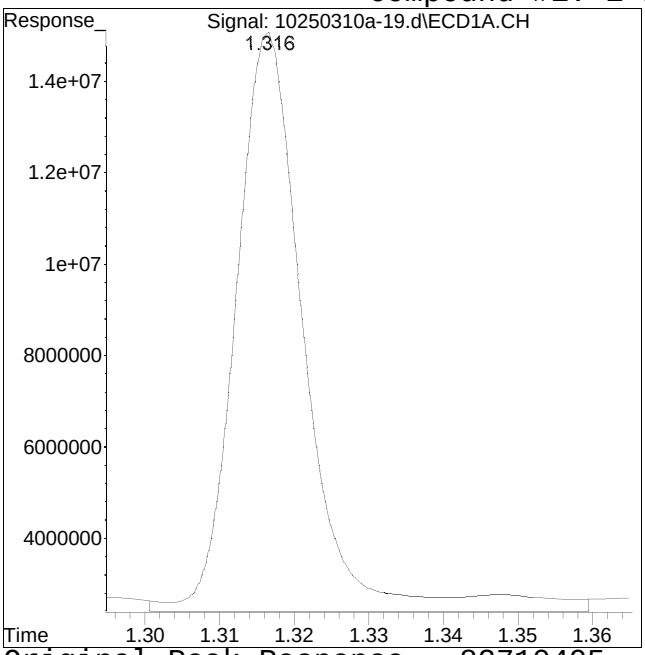
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



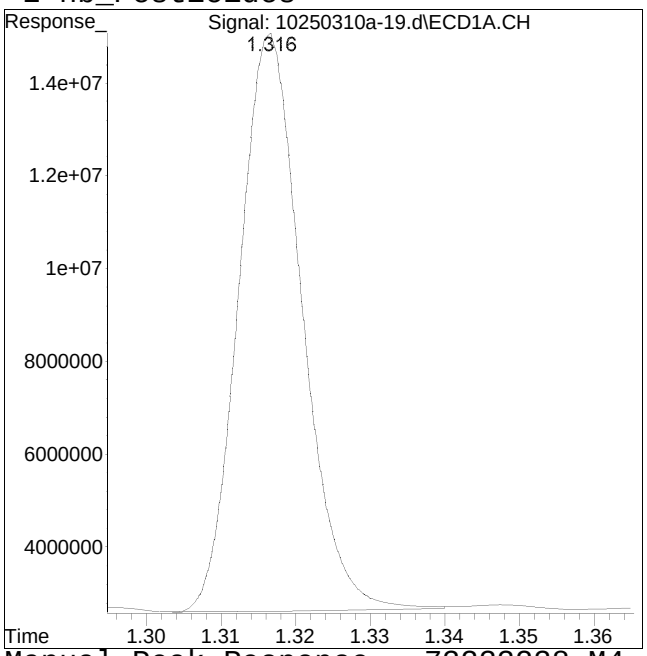
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310QMethod : pest10_2024_12_12_ugL_ic
Data File : 10250310a-19.d Operator : PEST10:akm
Date Inj'd : 3/10/2025 9:19 Instrument : Pest 10
Sample : L2512368-02,42,, Quant Date : 3/10/2025 9:37 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 82710495



Manual Peak Response = 73233238 M4

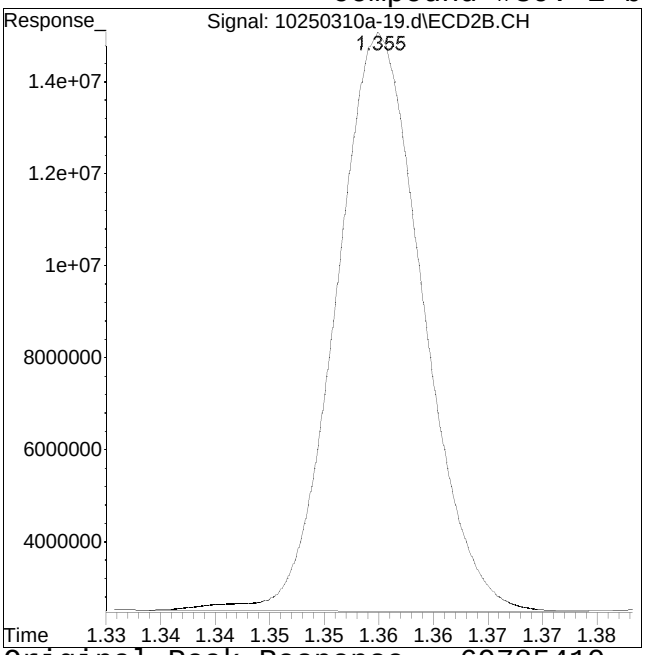
M4 = Poor automated baseline construction.

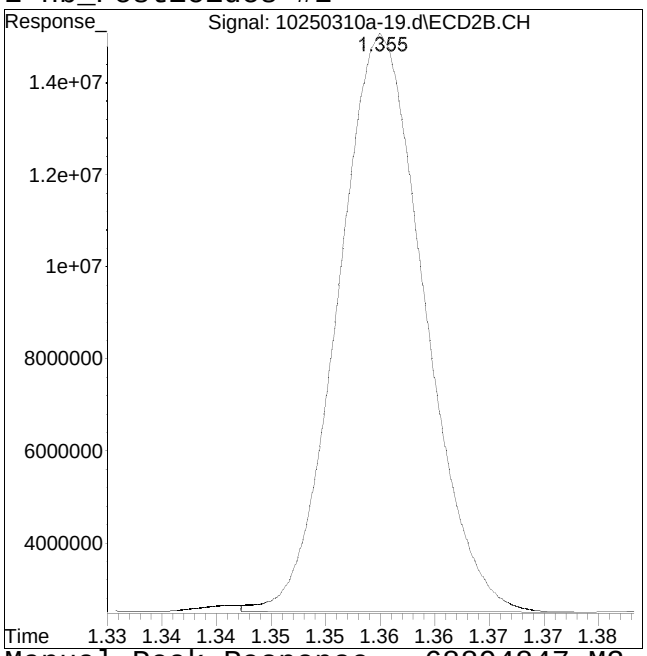
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310Q
Data File : 10250310a-19.d
Date Inj'd : 3/10/2025 9:19
Sample : L2512368-02,42,,

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 3/10/2025 9:37 am

Compound #39: 1-br-2-nb_Pesticides #2





Original Peak Response = 69785410 Manual Peak Response = 68894847 M3

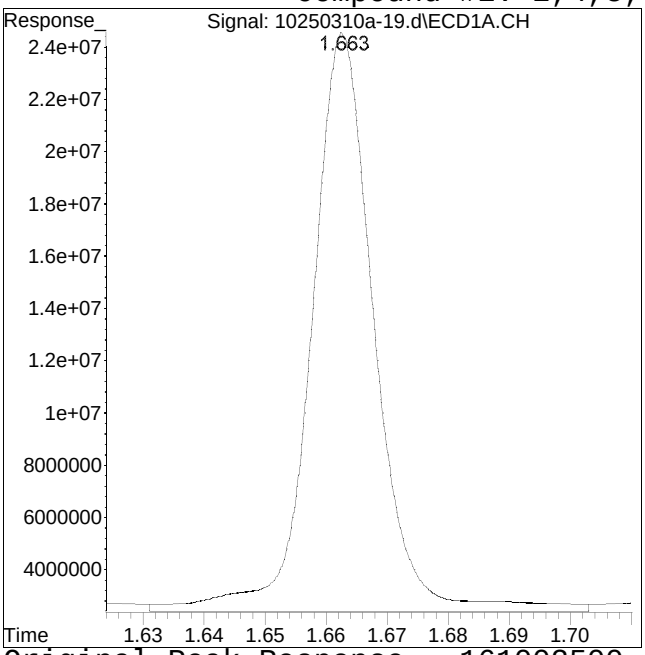
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

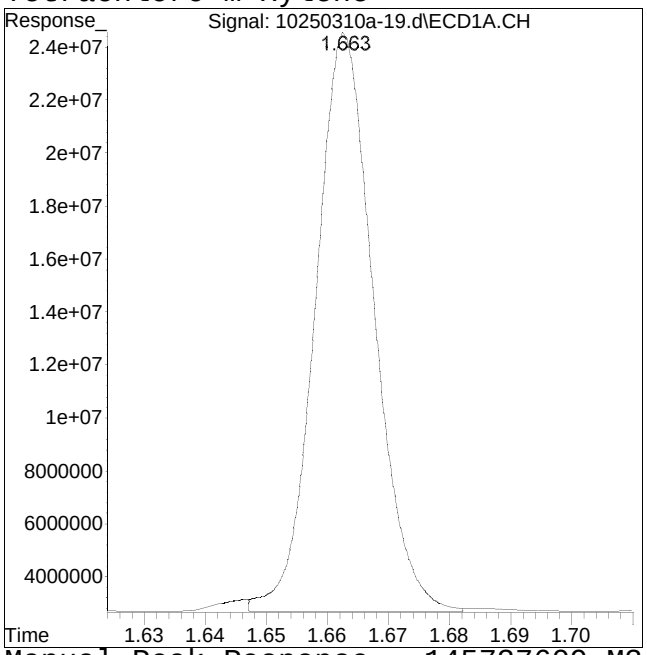
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310Q
Data File : 10250310a-19.d
Date Inj'd : 3/10/2025 9:19
Sample : L2512368-02,42,,

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 3/10/2025 9:37 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene





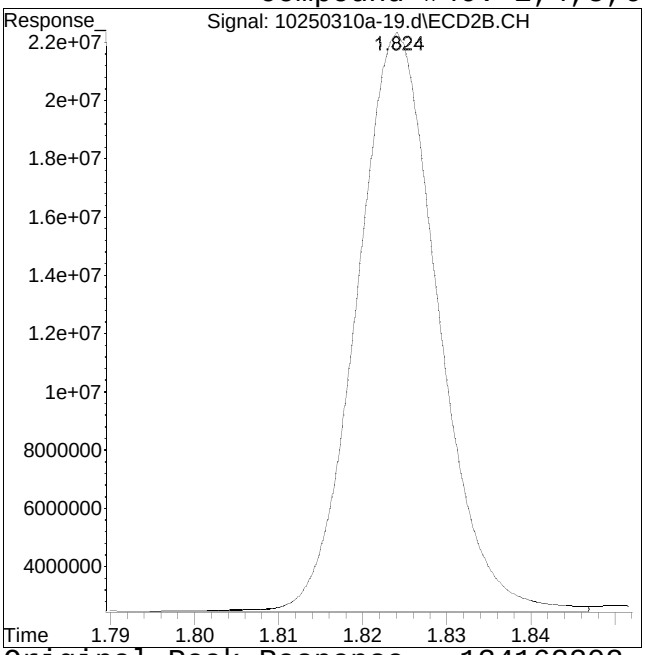
Original Peak Response = 161002500 Manual Peak Response = 145737609 M3

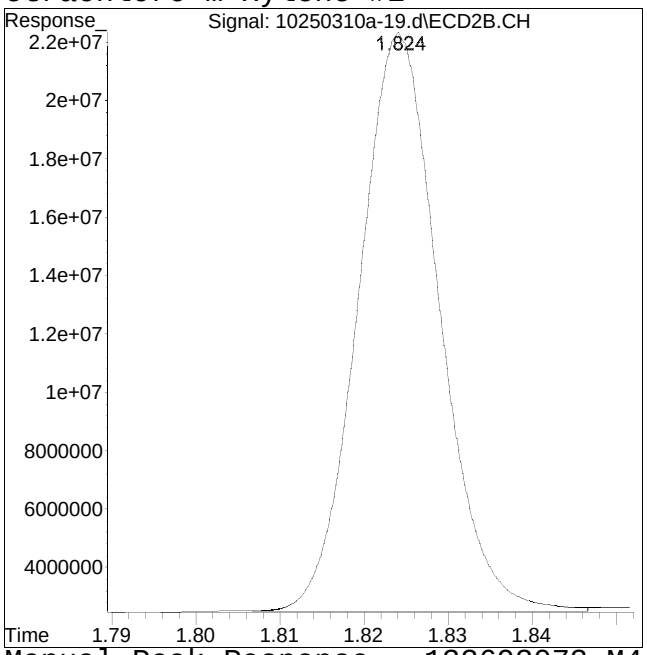
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310QMethod : pest10_2024_12_12_ugL_ic
Data File : 10250310a-19.d Operator : PEST10:akm
Date Inj'd : 3/10/2025 9:19 Instrument : Pest 10
Sample : L2512368-02,42,, Quant Date : 3/10/2025 9:37 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



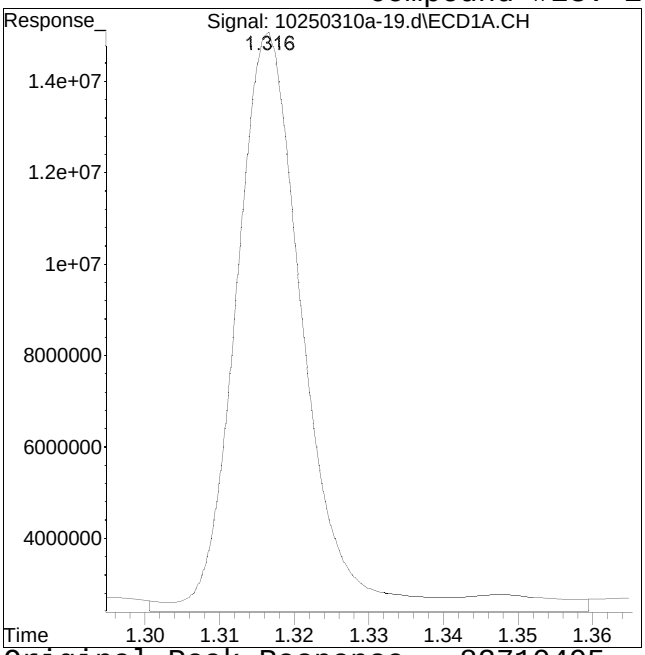


Original Peak Response = 134162302 Manual Peak Response = 132693073 M4
M4 = Poor automated baseline construction.

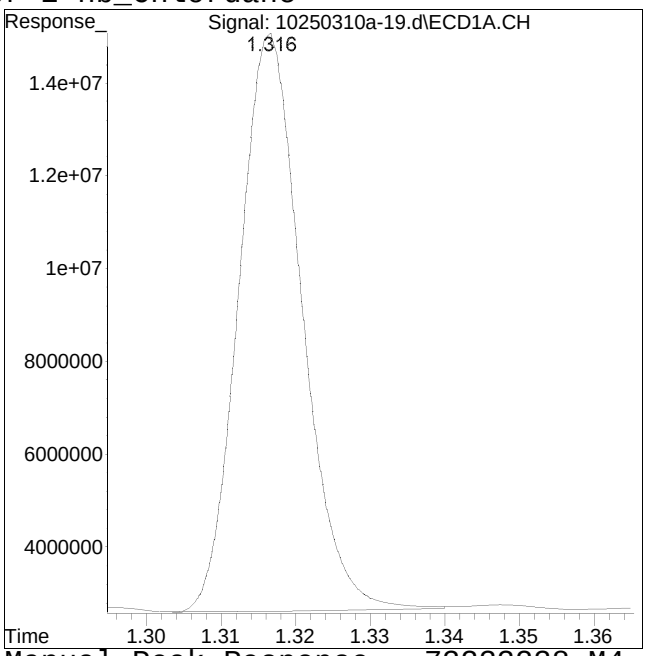
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310QMethod : pest10_2024_12_12_ugL_ic
Data File : 10250310a-19.d Operator : PEST10:akm
Date Inj'd : 3/10/2025 9:19 Instrument : Pest 10
Sample : L2512368-02,42,, Quant Date : 3/10/2025 9:37 am

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 82710495



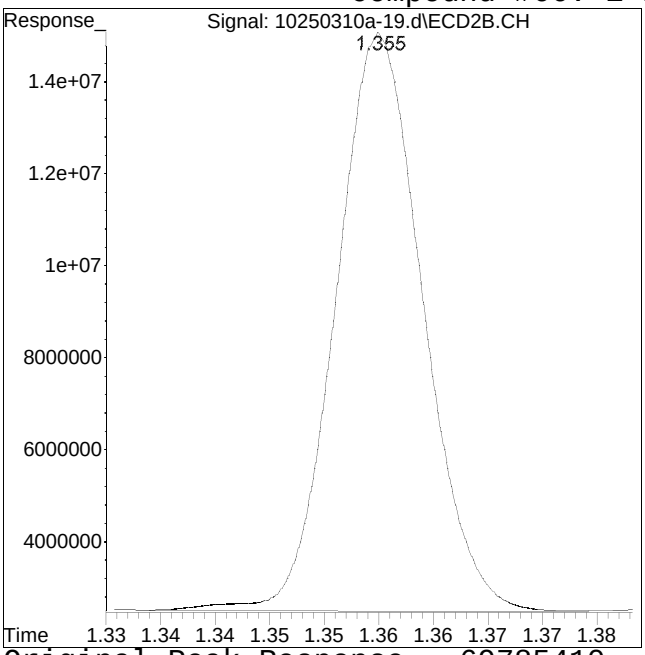
Manual Peak Response = 73233238 M4

M4 = Poor automated baseline construction.

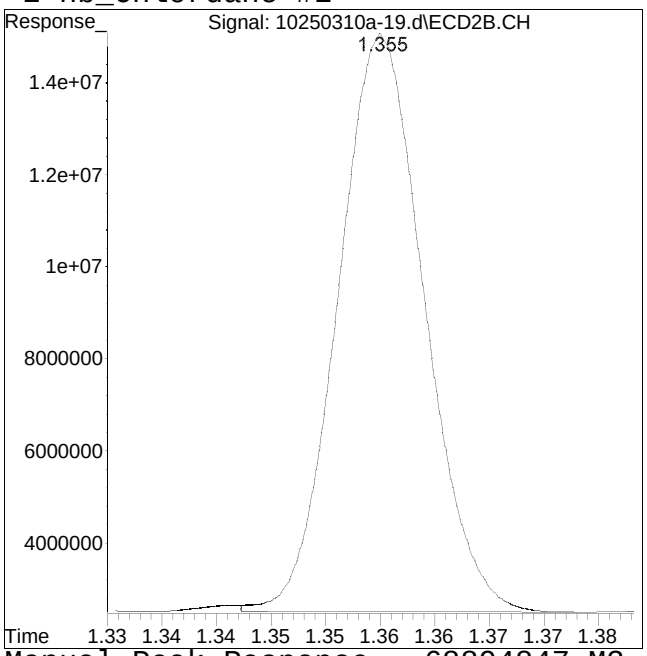
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310QMethod : pest10_2024_12_12_ugL_ic
Data File : 10250310a-19.d Operator : PEST10:akm
Date Inj'd : 3/10/2025 9:19 Instrument : Pest 10
Sample : L2512368-02,42,, Quant Date : 3/10/2025 9:37 am

Compound #66: 1-br-2-nb_Chlordane #2



Original Peak Response = 69785410



Manual Peak Response = 68894847 M3

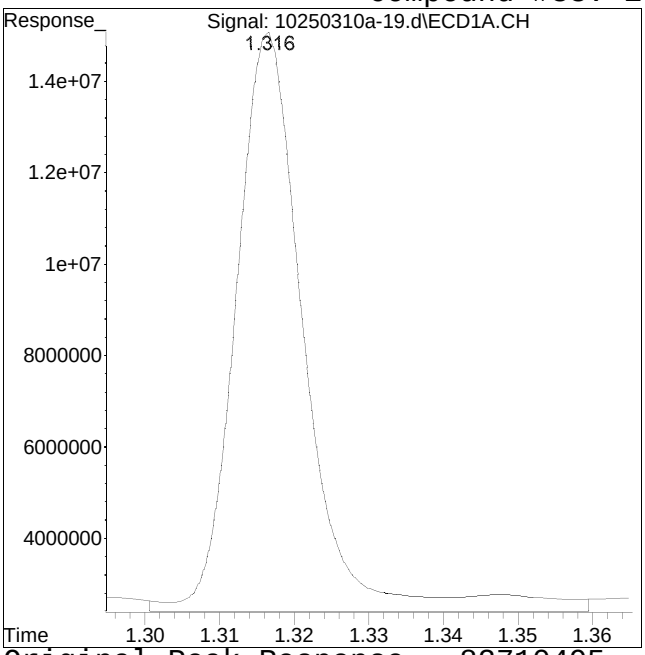
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

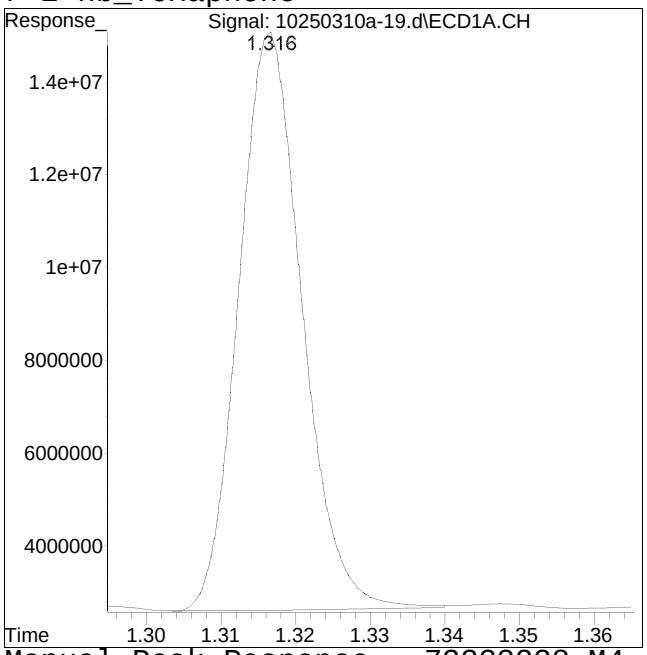
Data Path : I:\PEST\Pest10\2025\250310Q
Data File : 10250310a-19.d
Date Inj'd : 3/10/2025 9:19
Sample : L2512368-02,42,,

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 3/10/2025 9:37 am

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 82710495



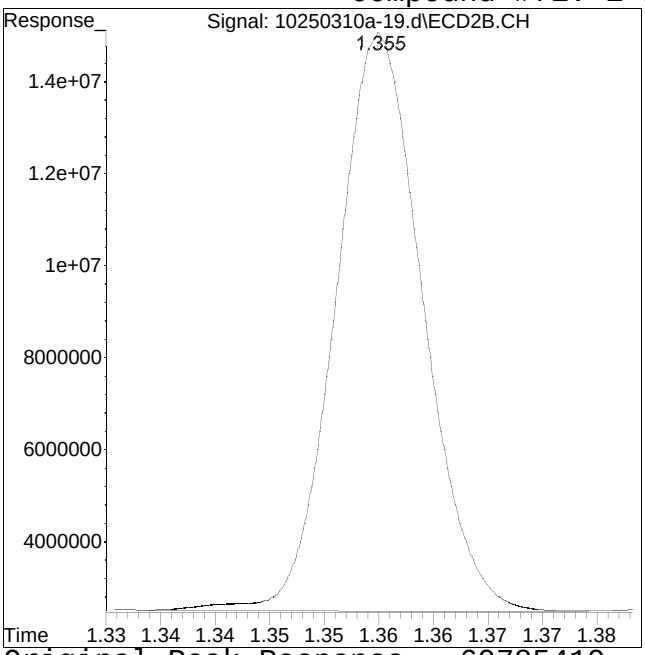
Manual Peak Response = 73233238 M4

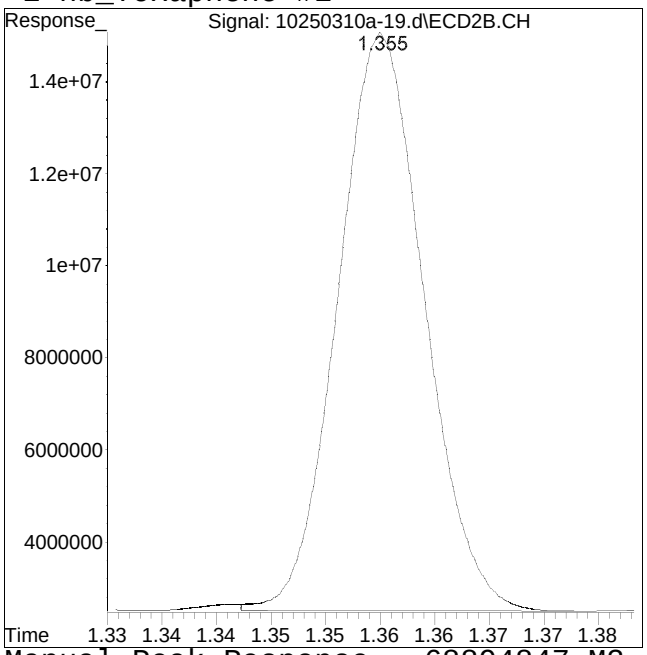
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310QMethod : pest10_2024_12_12_ugL_ic
Data File : 10250310a-19.d Operator : PEST10:akm
Date Inj'd : 3/10/2025 9:19 Instrument : Pest 10
Sample : L2512368-02,42,, Quant Date : 3/10/2025 9:37 am

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 69785410 Manual Peak Response = 68894847 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\250310A\
Data File : 10250310a-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Mar 2025 9:29
Operator : PEST10:akm
Sample : L2512368-04,42,,
Misc : wg2038433,WG2038216,ical21782
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 09:45:11 2025
Quant Method : I:\PEST\Pest10\2025\250310A\pest10_2024_12_12_ugL_ical21782.m
Quant Title : pest
QLast Update : Mon Mar 10 07:05:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2025\250310A\10250310a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.316	1.355	74000047	69998728	25.000M4	25.000M4
	Standard Area 1 : #1 = 80616496				Recovery =	91.79%	
	Standard Area 1 : #2 = 84485285				Recovery =	82.85%	
28) i	1-br-2-nb_Ch	1.316	1.355	74000047	69998728	25.000M4	25.000M4
33) i	1-br-2-nb_To	1.316	1.355	74000047	69998728	25.000M4	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.663	1.824	150.9E6	136.5E6	27.055M4	36.030M4
	Spiked Amount	50.000	Range 30 - 150		Recovery =	54.11%	72.06%
27) s	Decachlorobi	6.312	6.890	169.0E6	164.7E6	39.597	43.160
	Spiked Amount	50.000	Range 30 - 150		Recovery =	79.19%	86.32%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2025\250310A\
Data File : 10250310a-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Mar 2025 9:29
Operator : PEST10:akm
Sample : L2512368-04,42,,
Misc : wg2038433,WG2038216,ical21782
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 09:45:11 2025
Quant Method : I:\PEST\Pest10\2025\250310A\pest10_2024_12_12_ugL_ical21782.m
Quant Title : pest
QLast Update : Mon Mar 10 07:05:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2025\250310A\10250310a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

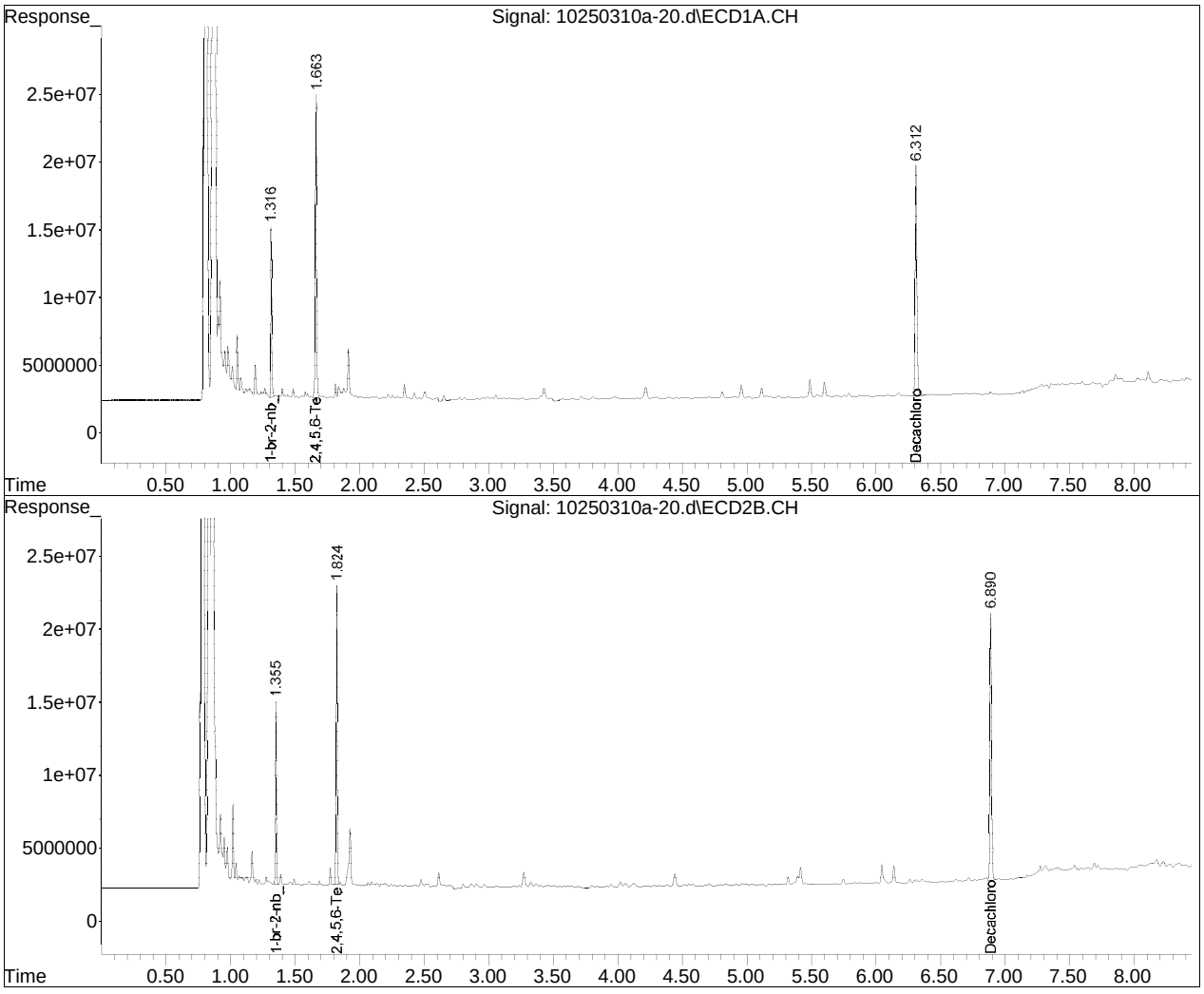
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.

Sub List : Default - All compounds listedA\10250310a-03.d•

Data Path : I:\PEST\Pest10\2025\250310A\
Data File : 10250310a-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Mar 2025 9:29
Operator : PEST10:akm
Sample : L2512368-04,42,,
Misc : wg2038433,WG2038216,ical21782
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 09:45:11 2025
Quant Method : I:\PEST\Pest10\2025\250310A\pest10_2024_12_12_ugL_ical21782.m
Quant Title : pest
QLast Update : Mon Mar 10 07:05:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

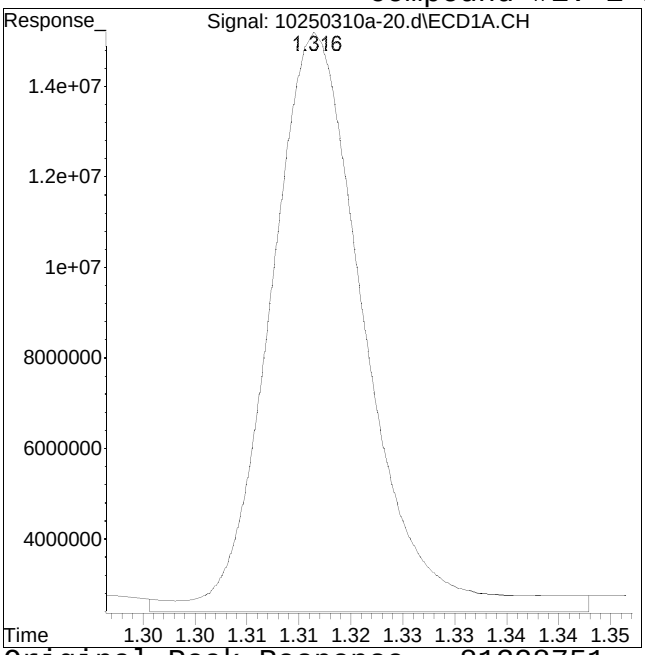


Manual Integration Report

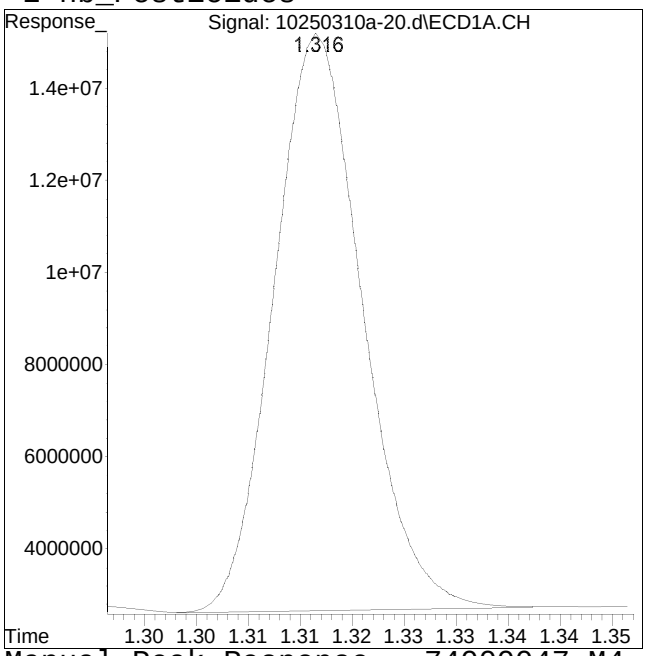
Data Path : I:\PEST\Pest10\2025\250310Q
Data File : 10250310a-20.d
Date Inj'd : 3/10/2025 9:29
Sample : L2512368-04,42,,

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 3/10/2025 9:45 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 81328751



Manual Peak Response = 74000047 M4

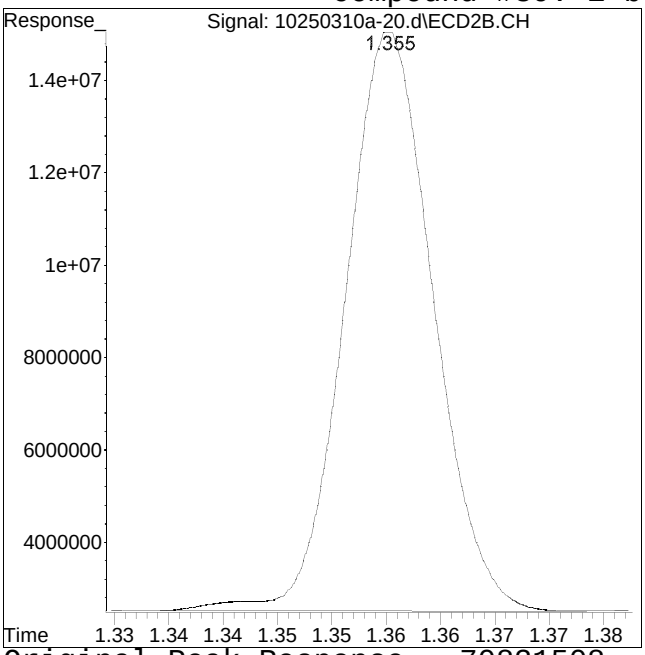
M4 = Poor automated baseline construction.

Manual Integration Report

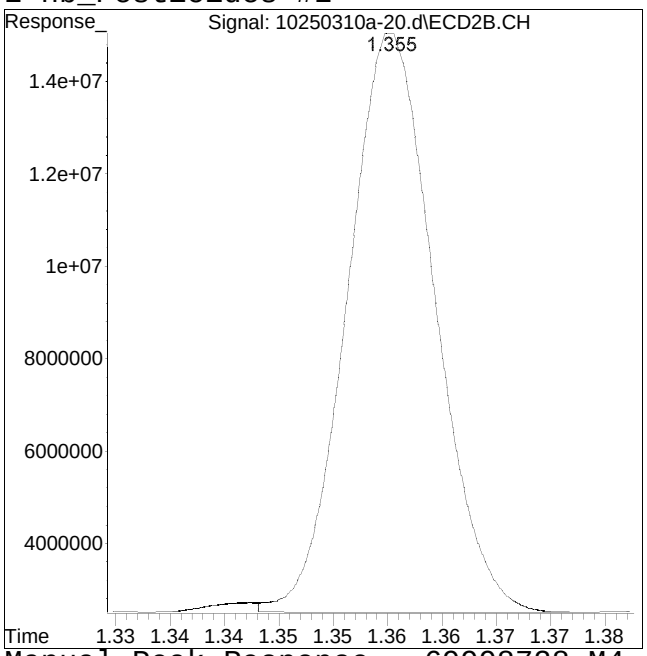
Data Path : I:\PEST\Pest10\2025\250310Q
Data File : 10250310a-20.d
Date Inj'd : 3/10/2025 9:29
Sample : L2512368-04,42,,

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 3/10/2025 9:45 am

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 70831508



Manual Peak Response = 69998728 M4

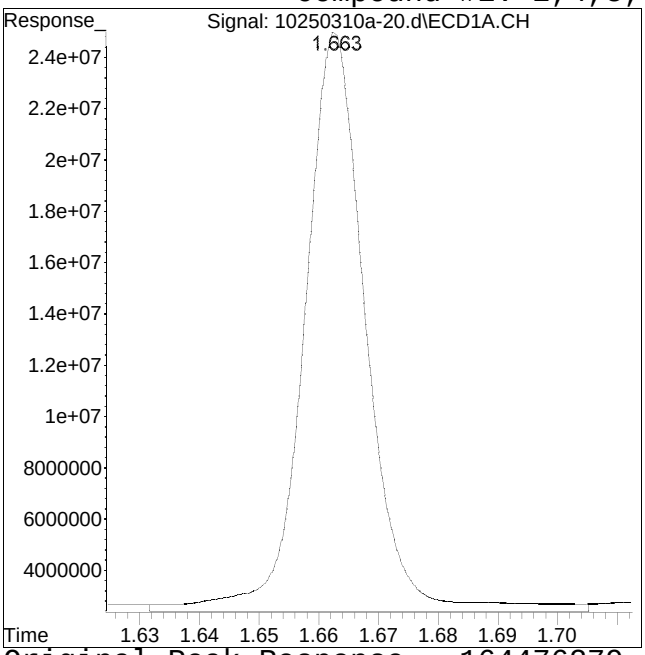
M4 = Poor automated baseline construction.

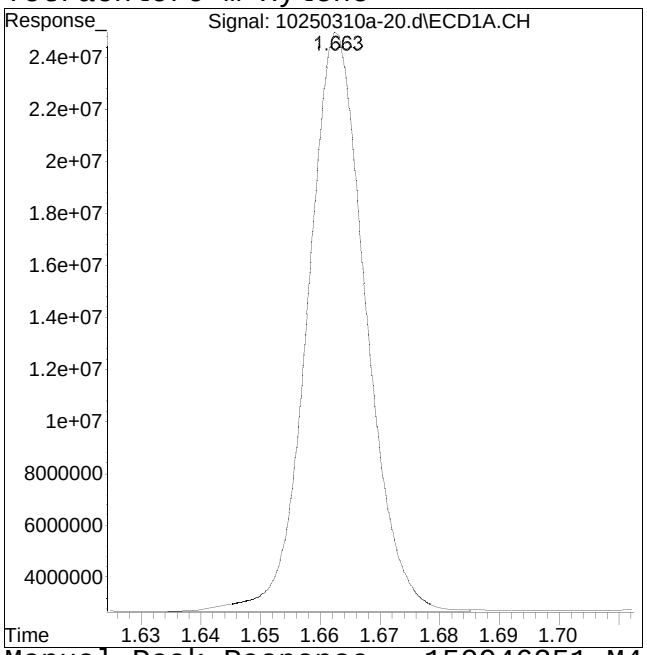
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310Q
Data File : 10250310a-20.d
Date Inj'd : 3/10/2025 9:29
Sample : L2512368-04,42,,

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 3/10/2025 9:45 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



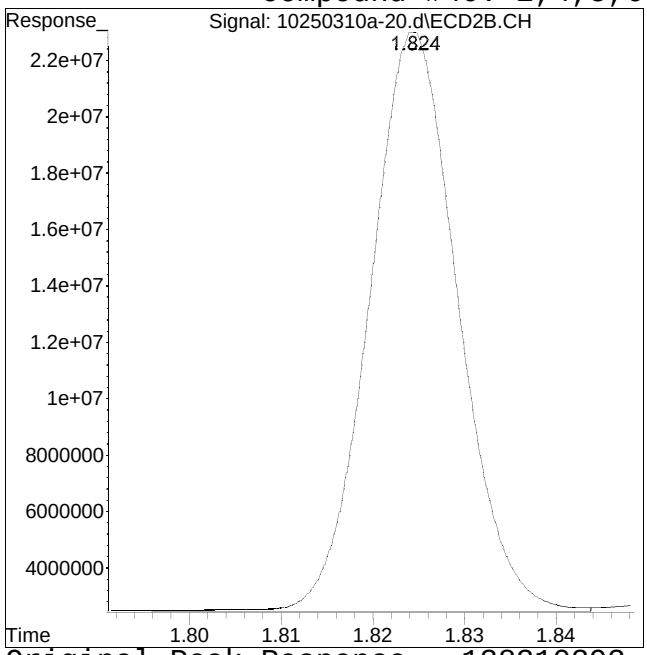


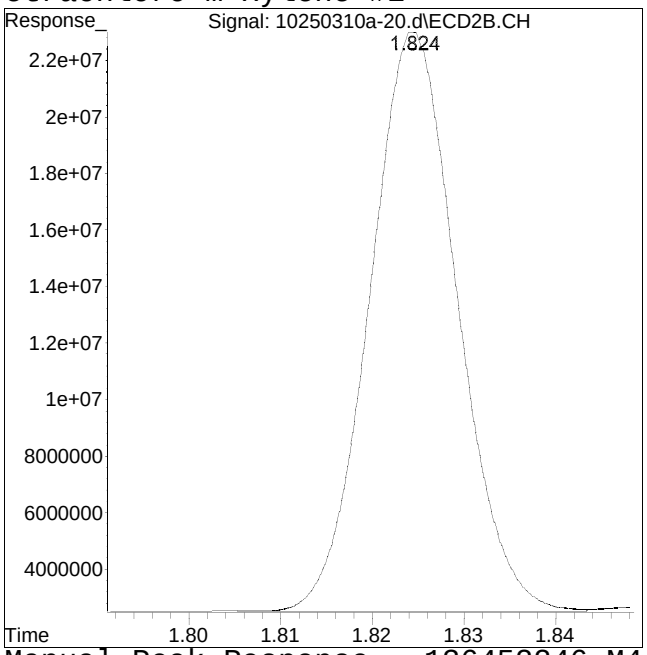
Original Peak Response = 164476279 Manual Peak Response = 150946251 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310QMethod : pest10_2024_12_12_ugL_ic
Data File : 10250310a-20.d Operator : PEST10:akm
Date Inj'd : 3/10/2025 9:29 Instrument : Pest 10
Sample : L2512368-04,42,, Quant Date : 3/10/2025 9:45 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



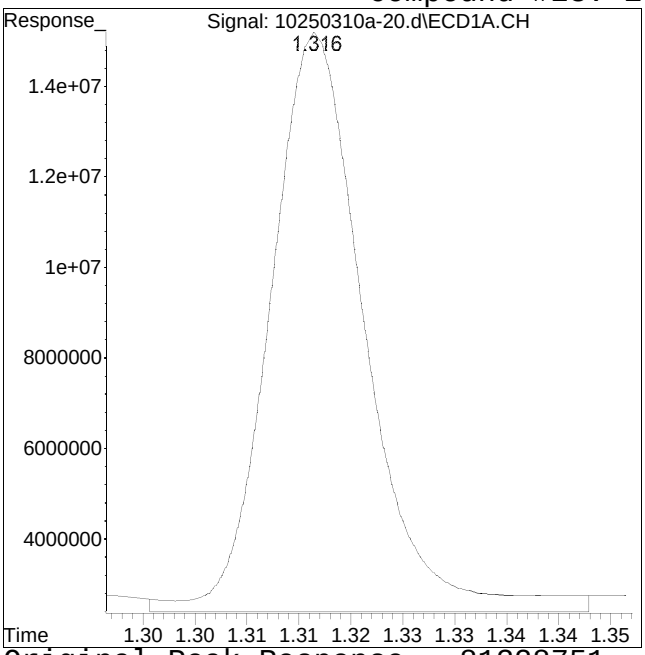


Original Peak Response = 138310393 Manual Peak Response = 136452246 M4
M4 = Poor automated baseline construction.

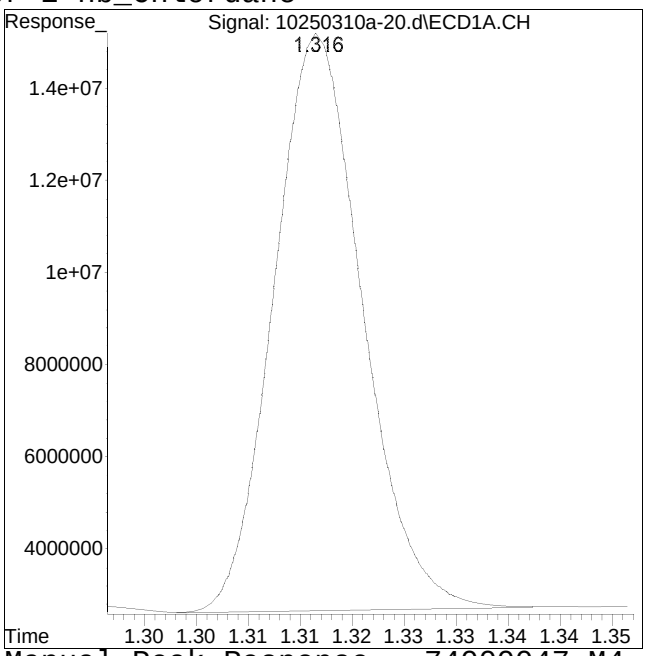
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310QMethod : pest10_2024_12_12_ugL_ic
Data File : 10250310a-20.d Operator : PEST10:akm
Date Inj'd : 3/10/2025 9:29 Instrument : Pest 10
Sample : L2512368-04,42,, Quant Date : 3/10/2025 9:45 am

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 81328751



Manual Peak Response = 74000047 M4

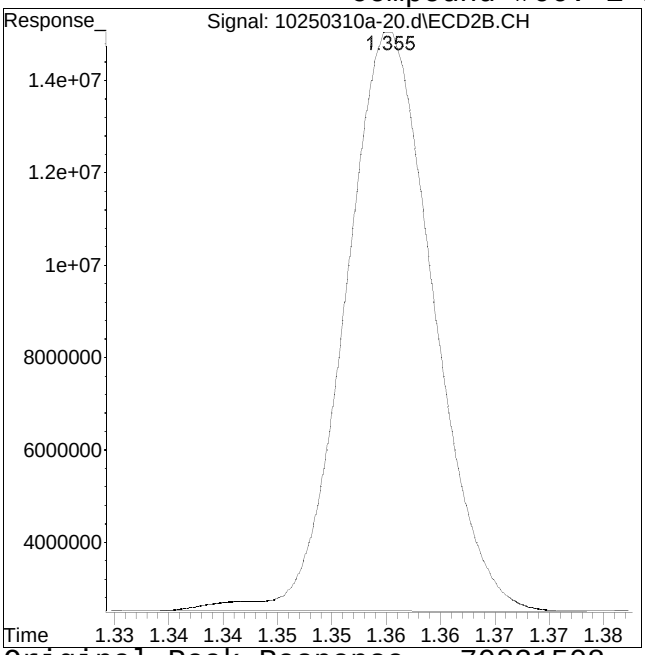
M4 = Poor automated baseline construction.

Manual Integration Report

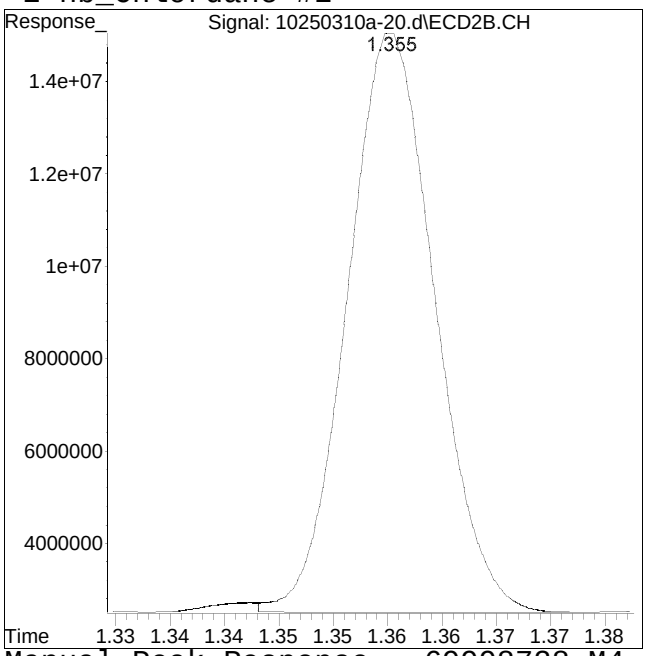
Data Path : I:\PEST\Pest10\2025\250310Q
Data File : 10250310a-20.d
Date Inj'd : 3/10/2025 9:29
Sample : L2512368-04,42,,

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 3/10/2025 9:45 am

Compound #66: 1-br-2-nb_Chlordane #2



Original Peak Response = 70831508



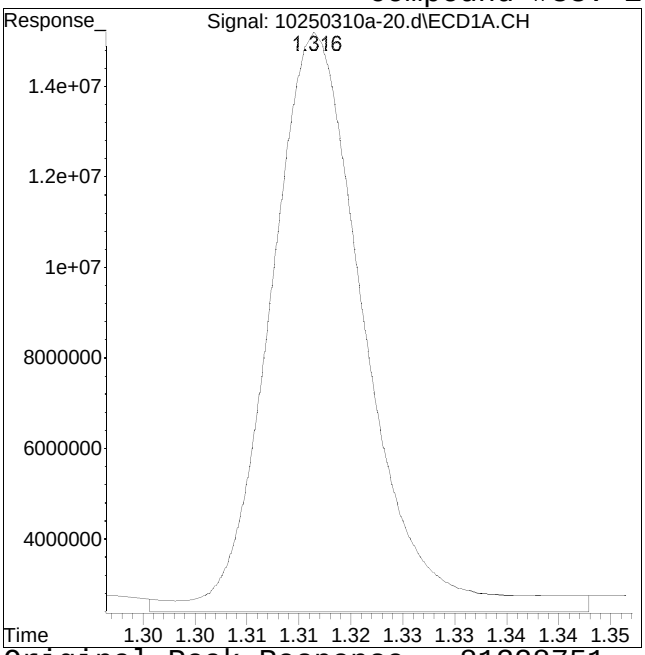
Manual Peak Response = 69998728 M4

M4 = Poor automated baseline construction.

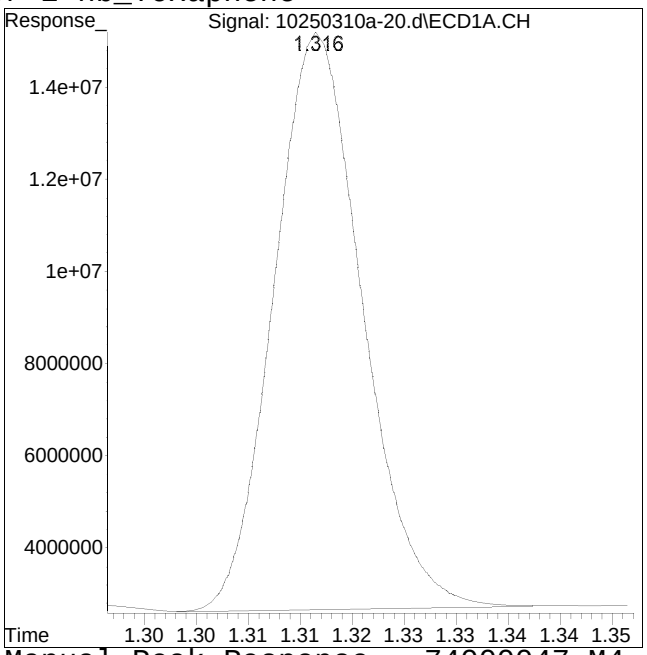
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310QMethod : pest10_2024_12_12_ugL_ic
Data File : 10250310a-20.d Operator : PEST10:akm
Date Inj'd : 3/10/2025 9:29 Instrument : Pest 10
Sample : L2512368-04,42,, Quant Date : 3/10/2025 9:45 am

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 81328751



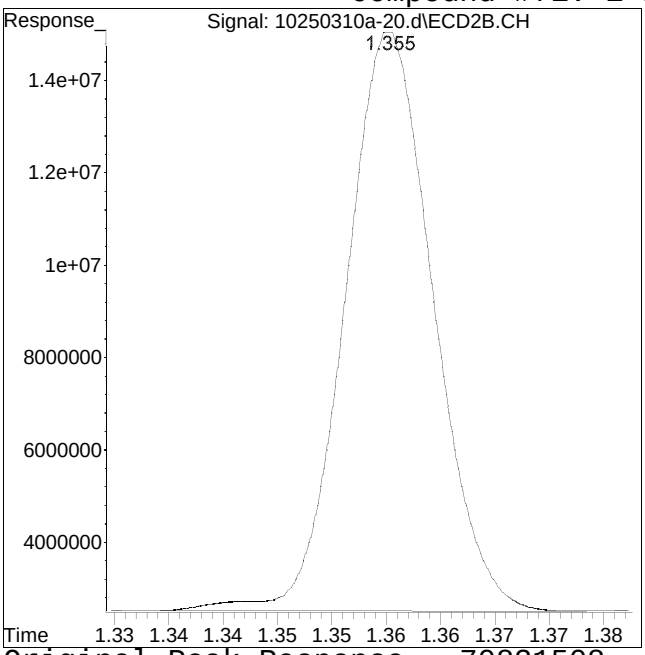
Manual Peak Response = 74000047 M4

M4 = Poor automated baseline construction.

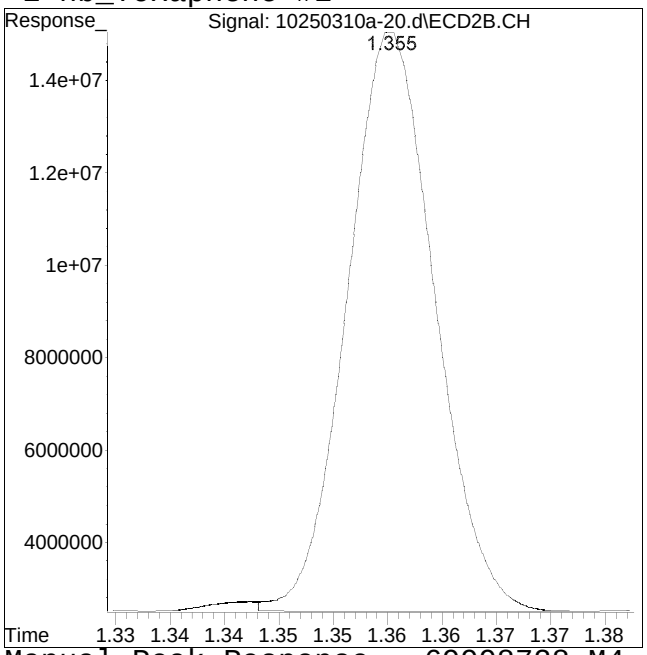
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310QMethod : pest10_2024_12_12_ugL_ic
Data File : 10250310a-20.d Operator : PEST10:akm
Date Inj'd : 3/10/2025 9:29 Instrument : Pest 10
Sample : L2512368-04,42,, Quant Date : 3/10/2025 9:45 am

Compound #71: 1-br-2-nb_Toxaphene #2



Original Peak Response = 70831508



Manual Peak Response = 69998728 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\250310A\
Data File : 10250310a-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Mar 2025 9:40
Operator : PEST10:akm
Sample : L2512368-05,42,,
Misc : wg2038433,WG2038216,ical21782 (Sig #1); wg2038433,WG2038290,ical21782 (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 10:21:53 2025
Quant Method : I:\PEST\Pest10\2025\250310A\pest10_2024_12_12_ugL_ical21782.m
Quant Title : pest
QLast Update : Mon Mar 10 07:05:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2025\250310A\10250310a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.316	1.355	77640169	69791273	25.000M4	25.000M4
	Standard Area 1 : #1 = 80616496				Recovery =	96.31%	
	Standard Area 1 : #2 = 84485285				Recovery =	82.61%	
28) i	1-br-2-nb_Ch	1.316	1.355	77640169	69791273	25.000M4	25.000M4
33) i	1-br-2-nb_To	1.316	1.355	77640169	69791273	25.000M4	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.662	1.824	182.9E6	170.3E6	31.242M4	45.093M4
	Spiked Amount 50.000	Range 30 - 150			Recovery =	62.48%	90.19%
27) s	Decachlorobi	6.312	6.889	182.7E6	178.6E6	40.825M4	47.019M4
	Spiked Amount 50.000	Range 30 - 150			Recovery =	81.65%	94.04%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2025\250310A\
Data File : 10250310a-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Mar 2025 9:40
Operator : PEST10:akm
Sample : L2512368-05,42,,
Misc : wg2038433,WG2038216,ical21782 (Sig #1); wg2038433,WG2038290,ical21782 (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 10:21:53 2025
Quant Method : I:\PEST\Pest10\2025\250310A\pest10_2024_12_12_ugL_ical21782.m
Quant Title : pest
QLast Update : Mon Mar 10 07:05:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2025\250310A\10250310a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Data Path : I:\PEST\Pest10\2025\250310A\
Data File : 10250310a-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Mar 2025 9:40
Operator : PEST10:akm
Sample : L2512368-05,42,,
Misc : wg2038433,WG2038216,ical21782 (Sig #1); wg2038433,WG2038290,ical21782 (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 10:21:53 2025
Quant Method : I:\PEST\Pest10\2025\250310A\pest10_2024_12_12_ugL_ical21782.m
Quant Title : pest
QLast Update : Mon Mar 10 07:05:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest10\2025\250310A\10250310a-03.d
Sub List : Default - All compounds listed

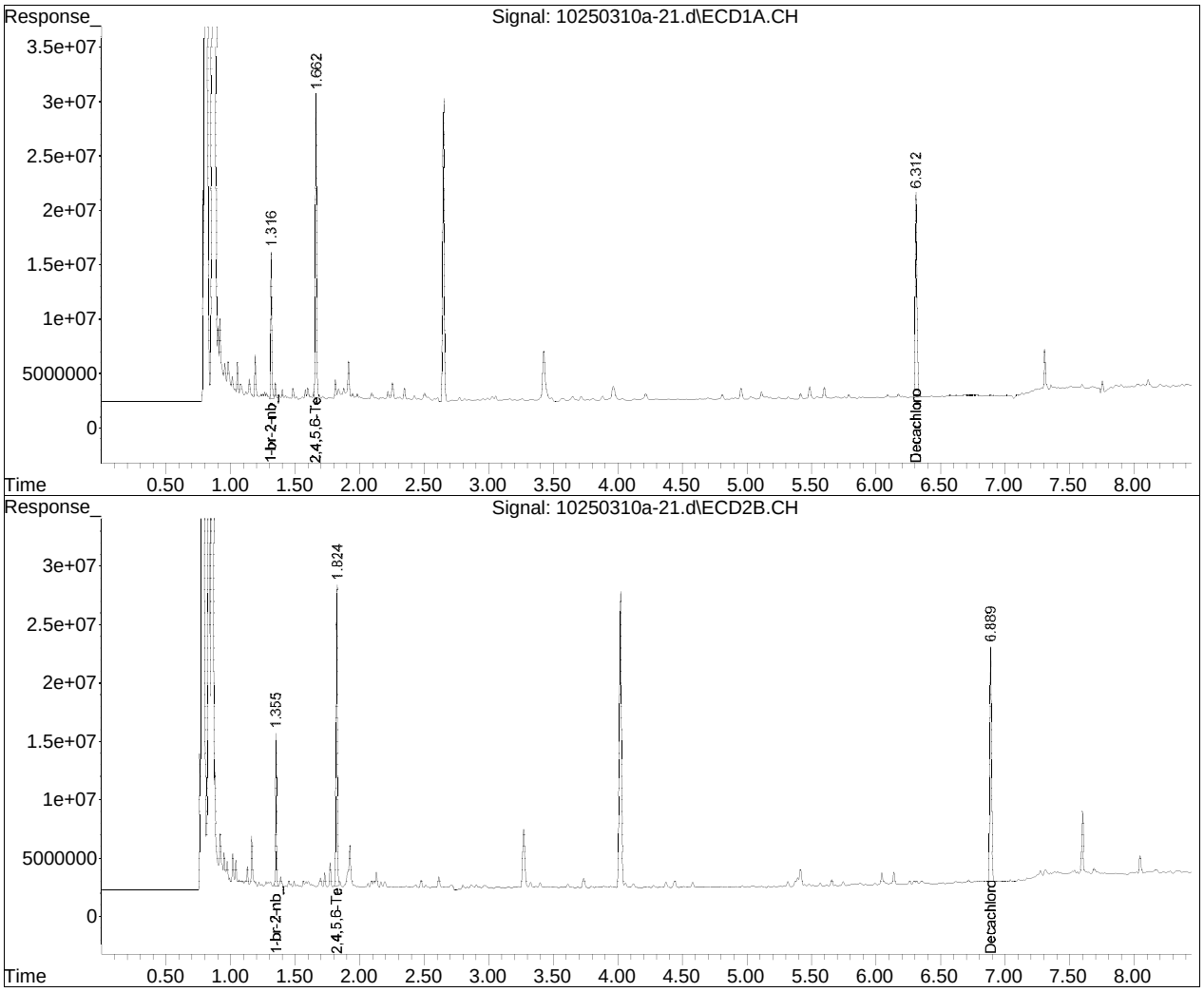
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Sub List : Default - All compounds listedA\10250310a-03.d•

Data Path : I:\PEST\Pest10\2025\250310A\
Data File : 10250310a-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Mar 2025 9:40
Operator : PEST10:akm
Sample : L2512368-05,42,,
Misc : wg2038433,WG2038216,ical21782 (Sig #1); wg2038433,WG2038290,ical21
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 10:21:53 2025
Quant Method : I:\PEST\Pest10\2025\250310A\pest10_2024_12_12_ugL_ical21782.m
Quant Title : pest
QLast Update : Mon Mar 10 07:05:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

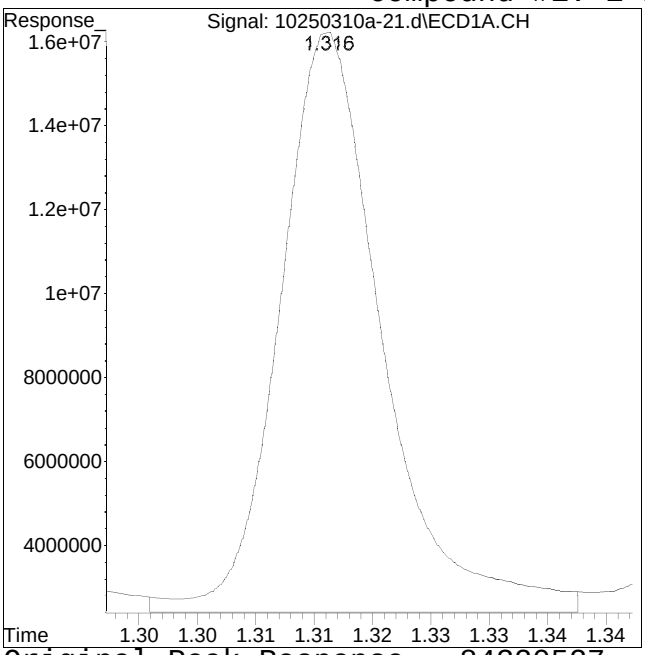
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



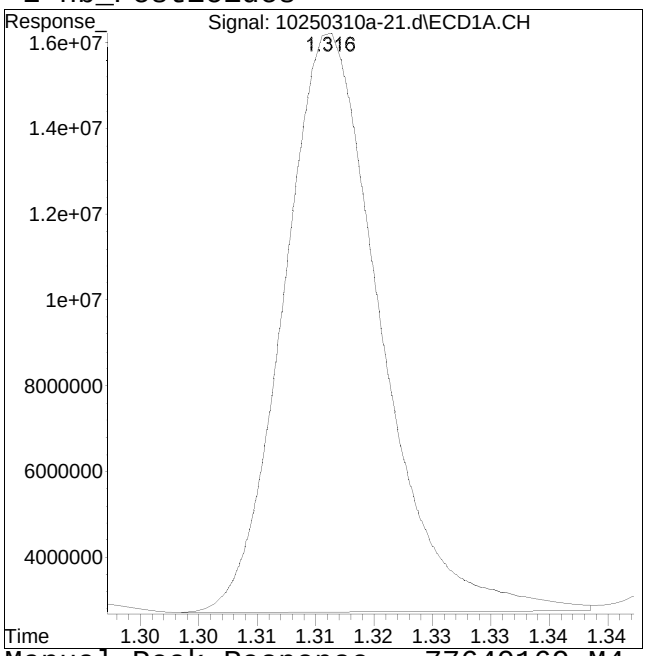
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310QMethod : pest10_2024_12_12_ugL_ic
Data File : 10250310a-21.d Operator : PEST10:akm
Date Inj'd : 3/10/2025 9:40 Instrument : Pest 10
Sample : L2512368-05,42,, Quant Date : 3/10/2025 10:21 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 84320527



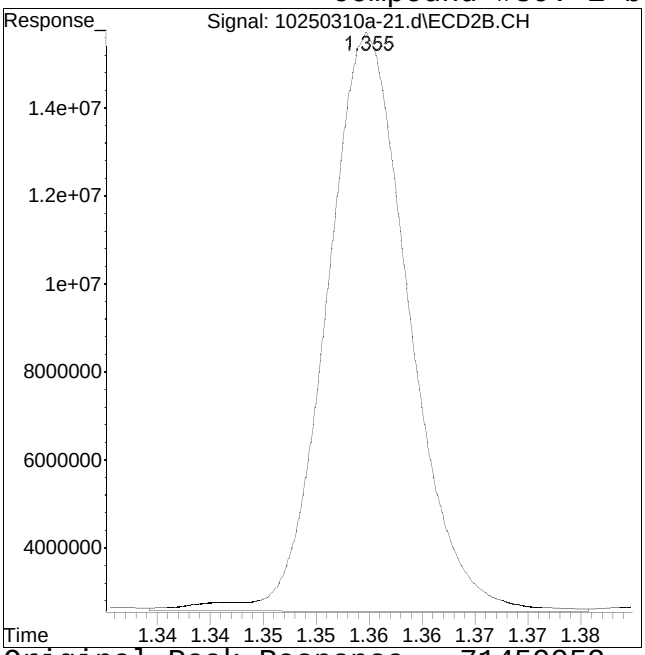
Manual Peak Response = 77640169 M4

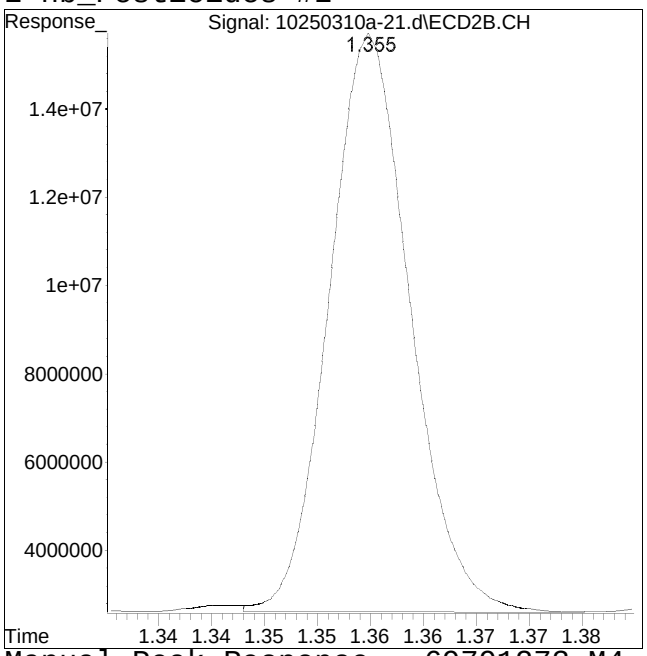
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310QMethod : pest10_2024_12_12_ugL_ic
Data File : 10250310a-21.d Operator : PEST10:akm
Date Inj'd : 3/10/2025 9:40 Instrument : Pest 10
Sample : L2512368-05,42,, Quant Date : 3/10/2025 10:21 am

Compound #39: 1-br-2-nb_Pesticides #2



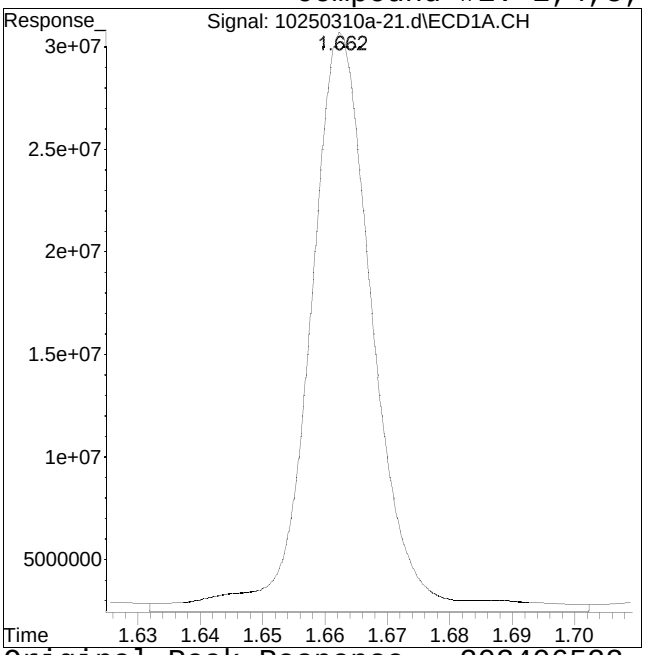


Original Peak Response = 71459952 Manual Peak Response = 69791273 M4
M4 = Poor automated baseline construction.

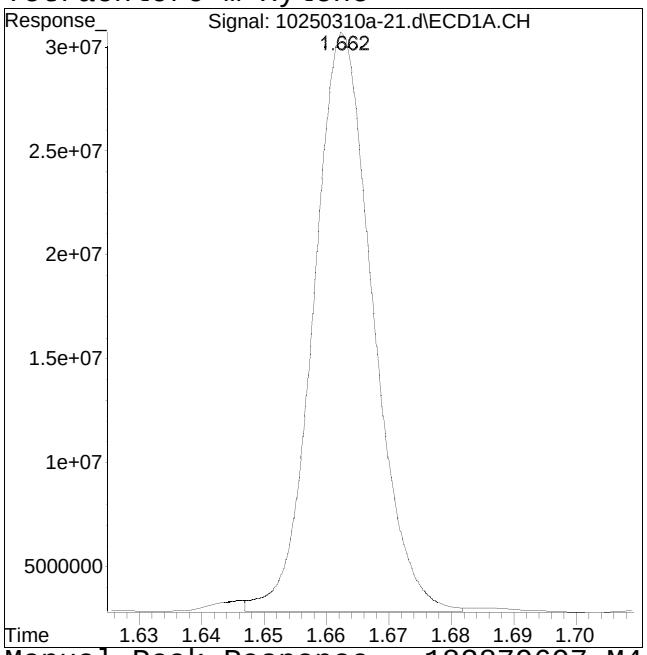
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310QMethod : pest10_2024_12_12_ugL_ic
Data File : 10250310a-21.d Operator : PEST10:akm
Date Inj'd : 3/10/2025 9:40 Instrument : Pest 10
Sample : L2512368-05,42,, Quant Date : 3/10/2025 10:21 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 203406522



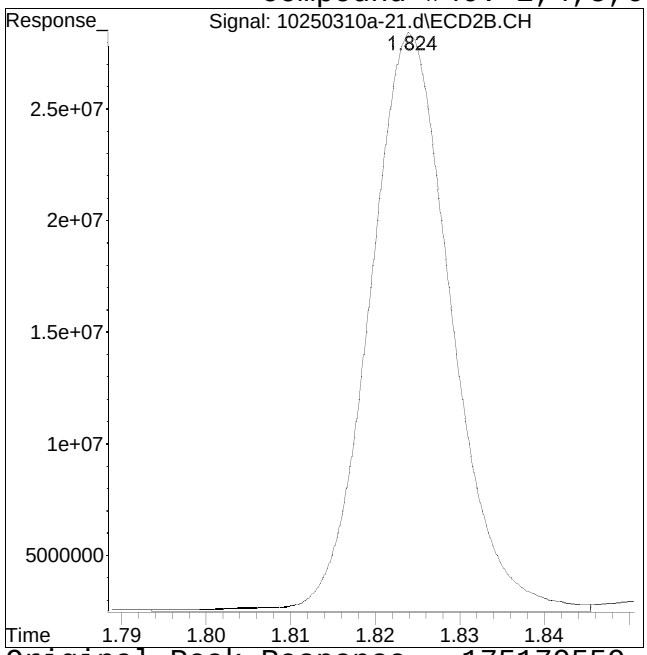
Manual Peak Response = 182879697 M4

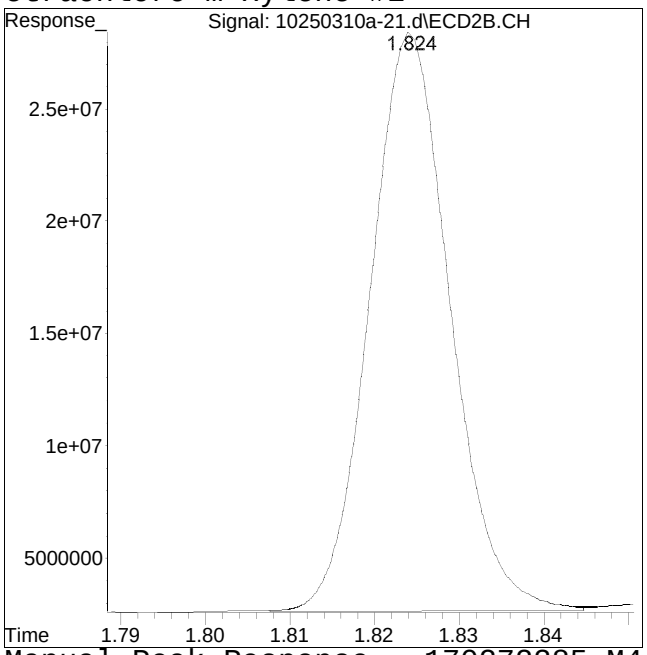
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310QMethod : pest10_2024_12_12_ugL_ic
Data File : 10250310a-21.d Operator : PEST10:akm
Date Inj'd : 3/10/2025 9:40 Instrument : Pest 10
Sample : L2512368-05,42,, Quant Date : 3/10/2025 10:21 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2





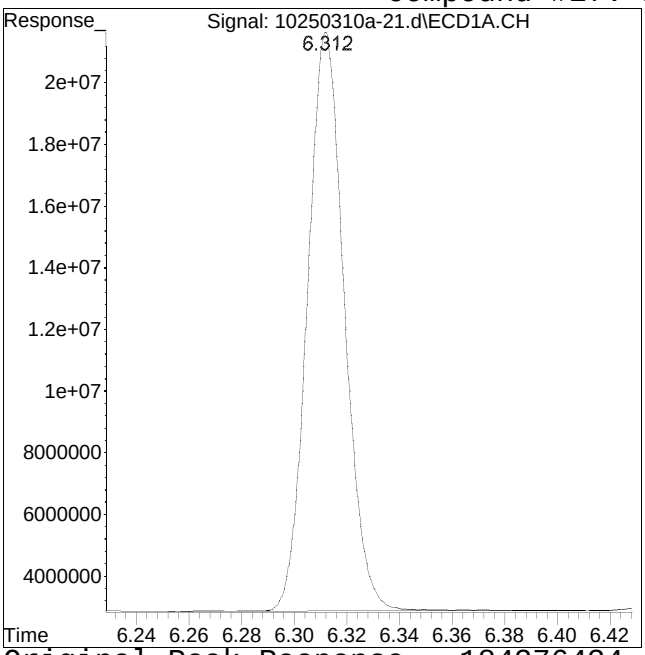
Original Peak Response = 175179559 Manual Peak Response = 170272385 M4
M4 = Poor automated baseline construction.

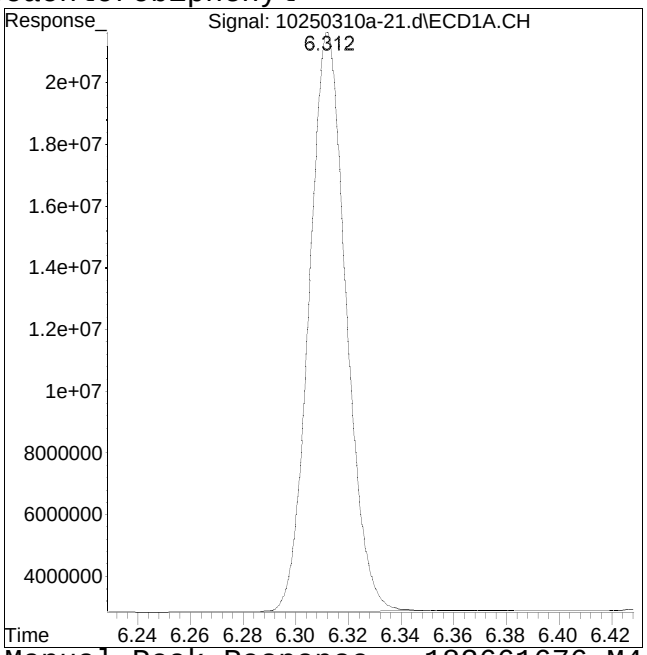
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310Q
Data File : 10250310a-21.d
Date Inj'd : 3/10/2025 9:40
Sample : L2512368-05,42,,

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 3/10/2025 10:21 am

Compound #27: Decachlorobiphenyl



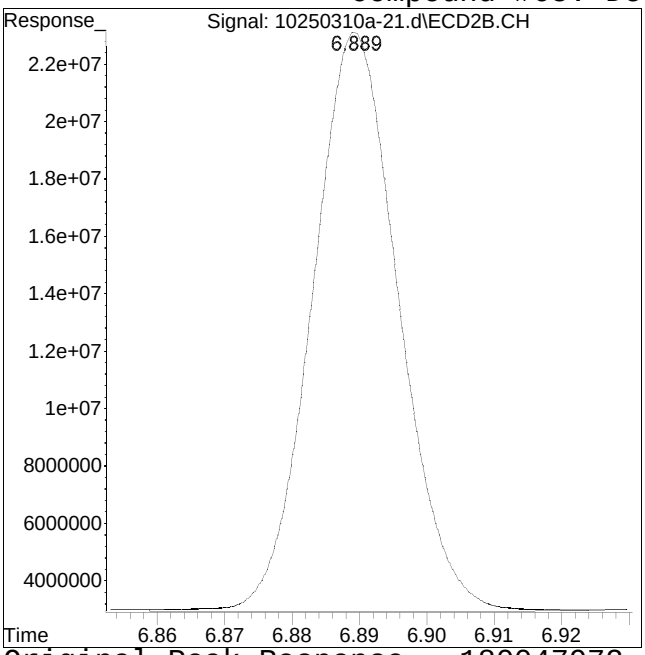


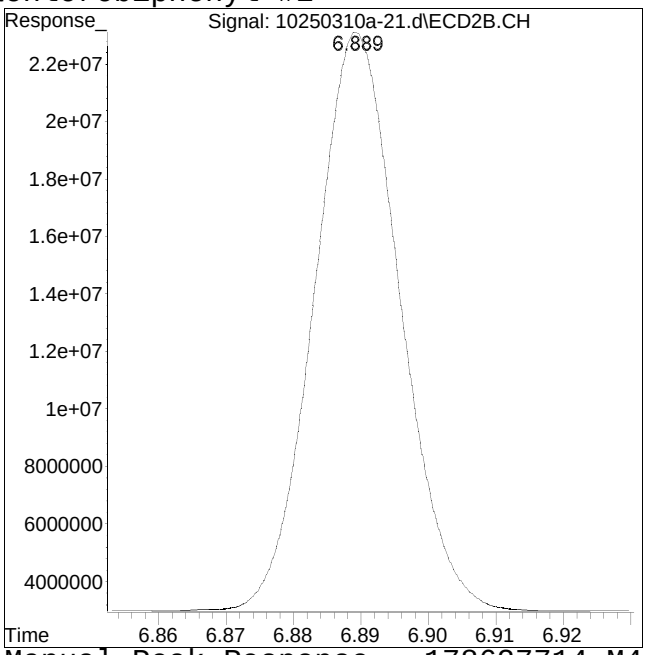
Original Peak Response = 184376434 Manual Peak Response = 182661676 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310QMethod : pest10_2024_12_12_ugL_ic
Data File : 10250310a-21.d Operator : PEST10:akm
Date Inj'd : 3/10/2025 9:40 Instrument : Pest 10
Sample : L2512368-05,42,, Quant Date : 3/10/2025 10:21 am

Compound #65: Decachlorobiphenyl #2



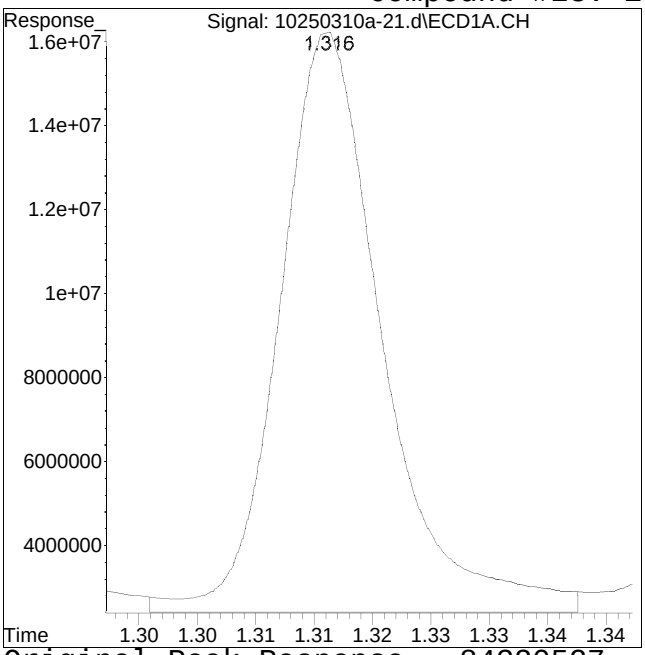


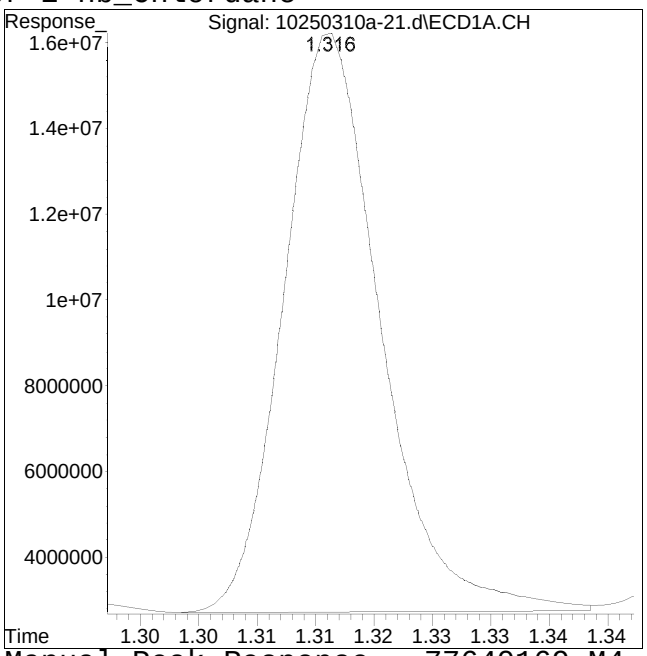
Original Peak Response = 180047972 Manual Peak Response = 178627714 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310QMethod : pest10_2024_12_12_ugL_ic
Data File : 10250310a-21.d Operator : PEST10:akm
Date Inj'd : 3/10/2025 9:40 Instrument : Pest 10
Sample : L2512368-05,42,, Quant Date : 3/10/2025 10:21 am

Compound #28: 1-br-2-nb_Chlordane



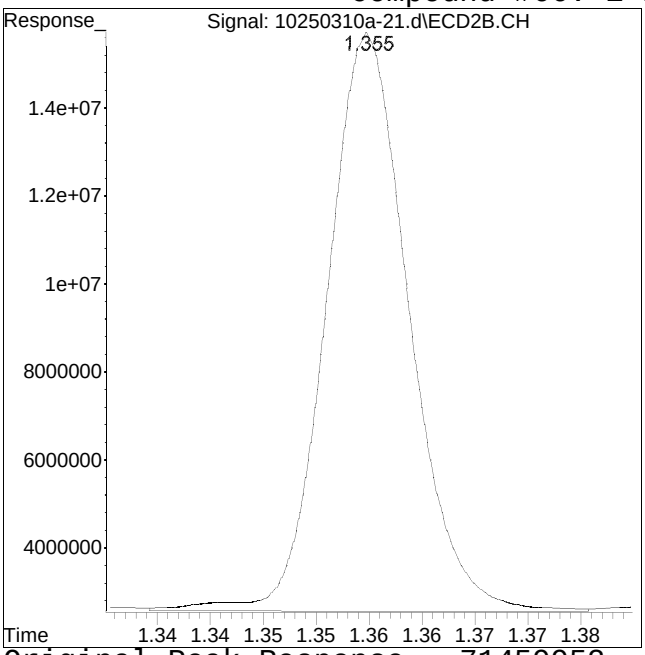


Original Peak Response = 84320527 Manual Peak Response = 77640169 M4
M4 = Poor automated baseline construction.

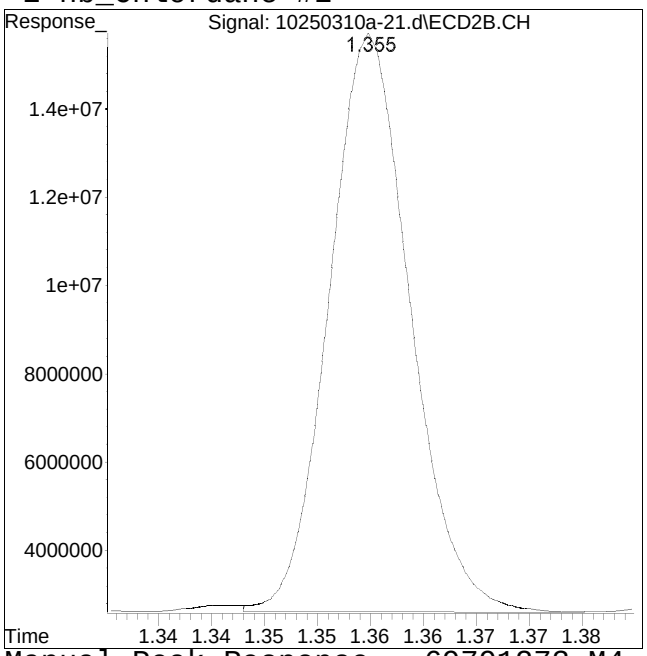
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310QMethod : pest10_2024_12_12_ugL_ic
Data File : 10250310a-21.d Operator : PEST10:akm
Date Inj'd : 3/10/2025 9:40 Instrument : Pest 10
Sample : L2512368-05,42,, Quant Date : 3/10/2025 10:21 am

Compound #66: 1-br-2-nb_Chlordane #2



Original Peak Response = 71459952



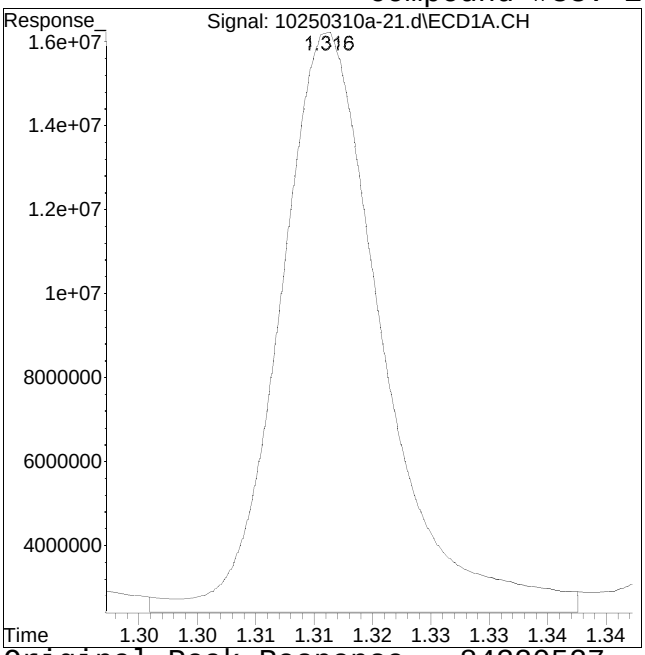
Manual Peak Response = 69791273 M4

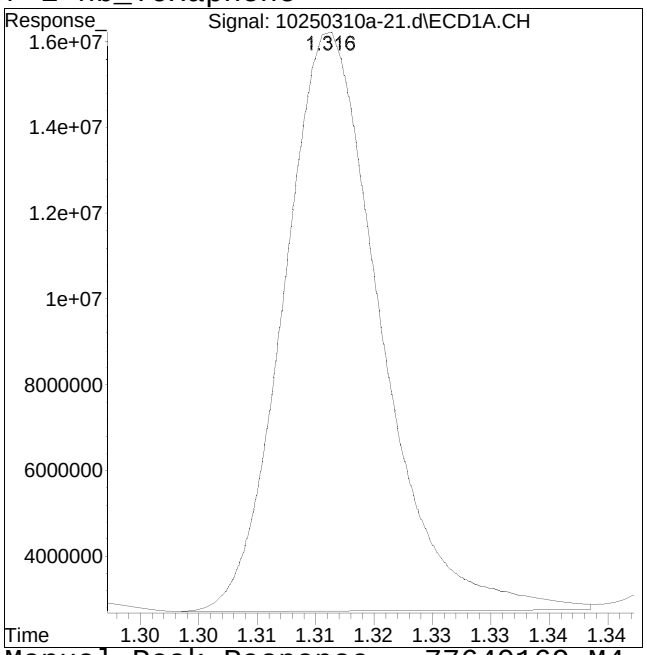
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310QMethod : pest10_2024_12_12_ugL_ic
Data File : 10250310a-21.d Operator : PEST10:akm
Date Inj'd : 3/10/2025 9:40 Instrument : Pest 10
Sample : L2512368-05,42,, Quant Date : 3/10/2025 10:21 am

Compound #33: 1-br-2-nb_Toxaphene



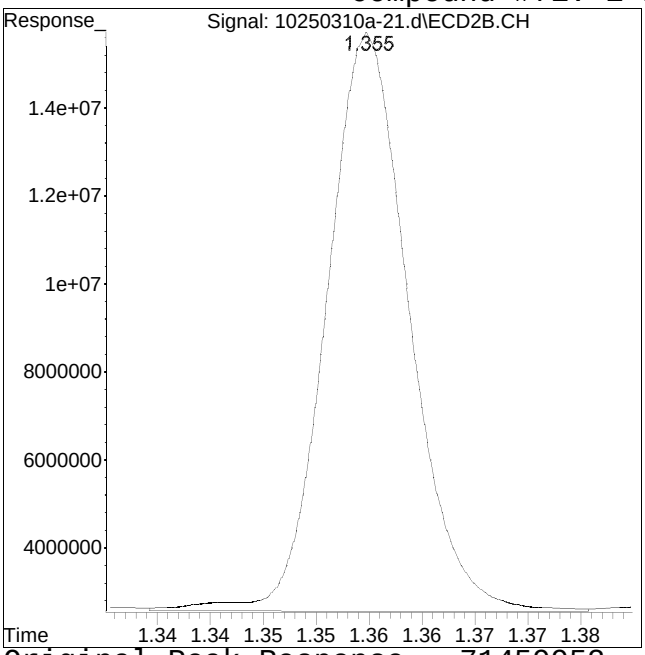


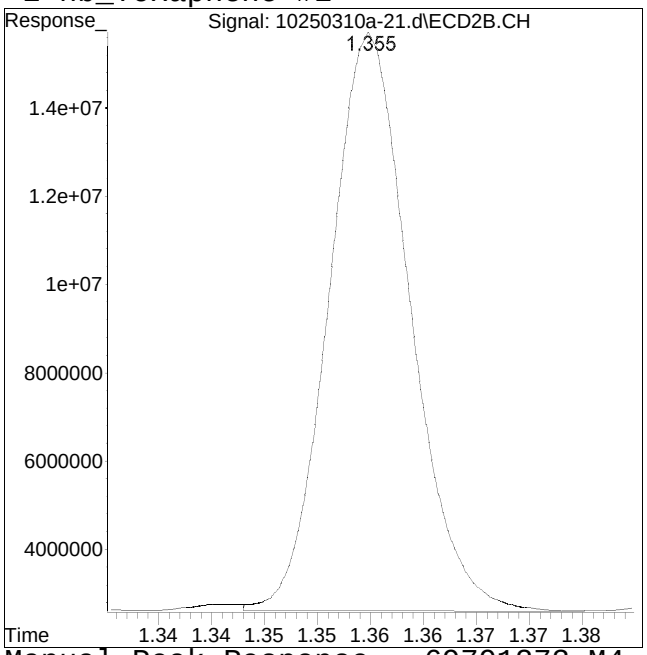
Original Peak Response = 84320527 Manual Peak Response = 77640169 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310QMethod : pest10_2024_12_12_ugL_ic
Data File : 10250310a-21.d Operator : PEST10:akm
Date Inj'd : 3/10/2025 9:40 Instrument : Pest 10
Sample : L2512368-05,42,, Quant Date : 3/10/2025 10:21 am

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 71459952 Manual Peak Response = 69791273 M4
M4 = Poor automated baseline construction.

Pesticides Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Pesticides

Client	**: P. W. Grosser**	**Lab Number**	**: L2512368**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: PEST10**	**Ical Ref**	**: ICAL21782**
Calibration dates	**: 12/12/24 19:45 12/13/24 00:10**		

Calibration Files

1 =10241212i-03.d 2 =10241212i-14.d 3 =10241212i-23.d 4 =10241212i-24.d 5 =10241212i-17.d

7 =10241212i-25.d 8 =10241212i-26.d 9 =10241212i-27.d 10 =10241212i-21.d 11 =10241212i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
1)	i	1-br-2-nb_Pesticides	----------ISTD----------											
2)	s	2,4,5,6-Tetrachloro-m-xylene			2.236	2.181	2.055	1.871	1.738	1.647	1.465		1.885	15.23
3)	t	Hexachlorobenzene			2.423	2.328	2.218	1.979	1.797	1.699	1.514	1.349	1.913	20.39
4)	t	alpha-BHC		2.202	2.112	2.091	1.999	1.844	1.789	1.734	1.569	1.418	1.862	14.13
5)	t	gamma-BHC (li	2.360	2.022	1.884	1.860	1.789	1.615	1.568	1.514			1.826	15.18
6)	t	beta-BHC			0.975	0.946	0.913	0.794	0.705	0.691	0.646	0.607	*L	0.997
2)														
7)	t	delta-BHC		2.139	1.975	1.950	1.880	1.692	1.648	1.627	1.492	1.369	1.752	14.25
8)	t	Heptachlor		1.892	1.753	1.761	1.693	1.481	1.398	1.365	1.241		1.573	14.74
9)	t	Aldrin		2.229	2.085	2.077	2.011	1.777	1.737	1.698	1.537	1.398	1.839	15.13
10)	t	Alachlor			0.259	0.280	0.278	0.241	0.224	0.208	0.187	0.177	0.232	17.02
11)	t	Chlorpyrifos			0.925	0.916	0.890	0.762	0.671	0.632	0.578		0.768	18.82
12)	t	Heptachlor Ep		2.024	1.876	1.840	1.806	1.579	1.500	1.471	1.346		1.680	14.15
13)	t	gamma-Chlorda		1.904	1.817	1.774	1.733	1.501	1.436	1.422	1.324	1.247	1.573	15.08
14)	t	alpha-Chlorda			2.113	2.132	2.072	1.762	1.682	1.645	1.515	1.417	*L	0.996
3)														
15)	t	4,4'-DDE			2.284	2.145	2.129	2.093	1.832	1.812	1.774	1.629	1.496	1.911	13.86
16)	t	Endosulfan I			1.994	1.876	1.866	1.810	1.570	1.500	1.472	1.360		1.681	13.84
17)	t	Dieldrin		2.074	1.930	1.900	1.865	1.631	1.584	1.563	1.449	1.350	1.705	14.39
18)	t	Endrin		1.905	1.820	1.800	1.755	1.532	1.474	1.452	1.344	1.246	1.592	14.70
19)	t	4,4'-DDD		1.429	1.339	1.340	1.303	1.142	1.098	1.085	1.020	0.967	1.191	13.76
20)	t	Endosulfan II			1.725	1.727	1.665	1.445	1.374	1.354	1.257	1.173	1.465	14.72
21)	t	4,4'-DDT			1.275	1.285	1.282	1.110	1.077	1.067	1.000	0.943	1.130	11.92
22)	t	Endrin Aldehyde		1.475	1.409	1.422	1.397	1.202	1.181	1.176	1.101	1.017	1.264	12.95
23)	t	Methoxychlor				0.735	0.722	0.616	0.559	0.540	0.501		*L	0.998
3)														
24)	t	Mirex			1.499	1.491	1.449	1.224	1.122	1.078	0.997		*L	0.997
7)														
25)	t	Endosulfan Su		1.781	1.635	1.645	1.595	1.369	1.281	1.255	1.157		1.465	15.49
26)	t	Endrin Ketone			1.679	1.658	1.622	1.382	1.309	1.275	1.161		1.441	14.54
27)	s	Decachlorobip			2.107	2.038	1.991	1.652	1.541	1.483	1.337		*L	0.996
6)														
28)	i	1-br-2-nb_Chlordane	----------ISTD----------											
29)	l1	chlordane-1	0.088	0.075	0.065	0.063	0.054	0.053	0.053				*L	0.999
5)														
30)	l1	chlordane-3	0.105	0.089	0.078	0.075	0.061	0.058	0.057				*L	0.997

Initial Calibration Summary
Form 6
Pesticides

Client	**: P. W. Grosser**	**Lab Number**	**: L2512368**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: PEST10**	**Ical Ref**	**: ICAL21782**
Calibration dates	**: 12/12/24 19:45 12/13/24 00:10**		

Calibration Files

1 =10241212i-03.d 2 =10241212i-14.d 3 =10241212i-23.d 4 =10241212i-24.d 5 =10241212i-17.d
7 =10241212i-25.d 8 =10241212i-26.d 9 =10241212i-27.d 10 =10241212i-21.d 11 =10241212i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
9)														
31)	l1	chlordane-4	0.345	0.285	0.251	0.246	0.214	0.208	0.198				*L	0.998
6)														
32)	l1	chlordane-5	0.526	0.464	0.379	0.372	0.327	0.315	0.296				*L	0.998
1)														
33)	i	1-br-2-nb_Toxaphene	----------ISTD----------											
34)	l2	toxaphene-1			0.111	0.083		0.073	0.067	0.060			*L	0.995
0)														
35)	l2	toxaphene-2			0.072	0.059		0.055	0.051	0.046			*L	0.995
7)														
36)	l2	toxaphene-4			0.057	0.048		0.041	0.038	0.034			*L	0.995
5)														
37)	l2	toxaphene-5			0.072	0.056		0.047	0.043	0.039			*L	0.994
7)														

Initial Calibration Summary
Form 6
Pesticides

Client	**: P. W. Grosser**	**Lab Number**	**: L2512368**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: PEST10**	**Ical Ref**	**: ICAL21782**
Calibration dates	**: 12/12/24 19:45 12/13/24 00:10**		

Signal #2 Calibration Files

1 =10241212i-03.d 2 =10241212i-14.d 3 =10241212i-23.d 4 =10241212i-24.d 5 =10241212i-17.d
7 =10241212i-25.d 8 =10241212i-26.d 9 =10241212i-27.d 10 =10241212i-21.d 11 =10241212i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
1)	i	1-br-2-nb_Pesticides	----------ISTD----------											
2)	s	2,4,5,6-Tetra			1.454	1.429	1.393	1.314	1.320	1.295	1.263		1.353	5.37
3)	t	Hexachloroben			1.651	1.613	1.594	1.463	1.413	1.388	1.347	1.320	1.474	8.74
4)	t	alpha-BHC		1.745	1.687	1.707	1.702	1.672	1.836	1.863	1.843	1.835	1.765	4.38
5)	t	gamma-BHC (li	.883	1.653	1.610	1.613	1.600	1.536	1.643	1.671			1.651	6.19
6)	t	beta-BHC			0.814	0.819	0.809	0.746	0.710	0.713	0.705	0.708	0.753	6.90
7)	t	delta-BHC		1.645	1.580	1.607	1.602	1.545	1.695	1.742	1.740	1.754	1.657	4.73
8)	t	Heptachlor		1.696	1.640	1.645	1.628	1.508	1.582	1.594	1.564		1.607	3.60
9)	t	Aldrin		1.759	1.671	1.694	1.688	1.588	1.738	1.765	1.739	1.738	1.709	3.27
10)	t	Alachlor			0.246	0.243	0.253	0.231	0.218	0.208	0.196	0.191	0.223	10.62
11)	t	Chlorpyrifos			0.932	0.938	0.939	0.827	0.756	0.727	0.697		0.831	12.78
12)	t	Heptachlor Ep	1.727	1.629	1.656	1.630	1.502	1.574	1.593	1.573			1.611	4.14
13)	t	gamma-Chlorda	1.575	1.499	1.514	1.521	1.370	1.458	1.485	1.485	1.523		1.492	3.77
14)	t	alpha-Chlorda			1.720	1.743	1.745	1.579	1.672	1.689	1.672	1.698	1.690	3.14
15)	t	4,4'-DDE	1.680	1.615	1.655	1.675	1.548	1.743	1.770	1.753	1.771		1.690	4.53
16)	t	Endosulfan I	1.625	1.557	1.558	1.576	1.444	1.535	1.553	1.532			1.548	3.28
17)	t	Dieldrin	1.646	1.556	1.575	1.586	1.464	1.611	1.638	1.625	1.635		1.593	3.60
18)	t	Endrin	1.612	1.536	1.569	1.590	1.460	1.596	1.610	1.582	1.583		1.571	3.01
19)	t	4,4'-DDD	1.255	1.202	1.229	1.249	1.141	1.255	1.270	1.267	1.288		1.240	3.59
20)	t	Endosulfan II			1.449	1.463	1.469	1.337	1.419	1.424	1.404	1.410	1.422	2.96
21)	t	4,4'-DDT			1.352	1.364	1.377	1.247	1.339	1.344	1.337	1.353	1.339	2.96
22)	t	Endrin Aldehyde	1.249	1.189	1.232	1.233	1.108	1.195	1.216	1.195	1.196		1.202	3.40
23)	t	Methoxychlor				0.820	0.827	0.720	0.709	0.697	0.674		0.741	8.86
24)	t	Mirex			1.427	1.440	1.436	1.238	1.205	1.167	1.134		1.292	10.57
25)	t	Endosulfan Su	1.487	1.423	1.422	1.419	1.264	1.298	1.298	1.272			1.360	6.33
26)	t	Endrin Ketone			1.587	1.596	1.601	1.438	1.488	1.472	1.426		1.515	5.09
27)	s	Decachlorobip			1.759	1.729	1.722	1.479	1.416	1.372	1.314		*L	0.999
2)														
28)	i	1-br-2-nb_Chlordane	----------ISTD----------											
29)	l1	chlordane-1	0.063	0.055	0.050	0.049	0.045	0.047	0.047				*L	0.999
8)														
30)	l1	chlordane-3	0.085	0.072	0.065	0.063	0.055	0.055	0.053				*L	0.999
3)														
31)	l1	chlordane-4	0.265	0.223	0.201	0.200	0.194	0.199	0.195				*L	0.999
9)														
32)	l1	chlordane-5	0.213	0.182	0.165	0.163	0.154	0.158	0.156				*L	0.999

Initial Calibration Summary
Form 6
Pesticides

Client	**: P. W. Grosser**	**Lab Number**	**: L2512368**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: PEST10**	**Ical Ref**	**: ICAL21782**
Calibration dates	**: 12/12/24 19:45 12/13/24 00:10**		

Signal #2 Calibration Files

1 =10241212i-03.d 2 =10241212i-14.d 3 =10241212i-23.d 4 =10241212i-24.d 5 =10241212i-17.d
7 =10241212i-25.d 8 =10241212i-26.d 9 =10241212i-27.d 10 =10241212i-21.d 11 =10241212i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
9)														
33)	i	1-br-2-nb_Toxaphene	----------ISTD----------											
34)	l2	toxaphene-1		0.028	0.027		0.029	0.029	0.029				*L	0.999
9)														
35)	l2	toxaphene-2		0.049	0.042		0.043	0.043	0.042				*L	0.999
9)														
36)	l2	toxaphene-4		0.055	0.049		0.052	0.052	0.051				*L	0.999
9)														
37)	l2	toxaphene-5		0.069	0.049		0.047	0.047	0.046				*L	0.999
9)														

Initial Calibration Summary
Form 6
Pesticides

Client	**: P. W. Grosser**	**Lab Number**	**: L2512368**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: PEST20**	**Ical Ref**	**: ICAL21840**
Calibration dates	**: 01/03/25 12:04 01/03/25 17:02**		

Calibration Files

1 =20250103i-03.D 2 =20250103i-14.D 3 =20250103i-23.D 4 =20250103i-24.D 5 =20250103i-17.D

7 =20250103i-25.D 8 =20250103i-26.D 9 =20250103i-27.D 10 =20250103i-21.D 11 =20250103i-12.D

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
1)	i	1-br-2-nb_Pesticides	ISTD											
2)	s	2,4,5,6-Tetrachloro-m-xylene	1.383	1.244	1.253	1.231	1.160	1.098	1.086	1.065	1.039		1.173	9.62
3)		Hexachlorobenzene	1.593	1.425	1.405	1.368	1.254	1.136	1.118	1.099	1.077		1.275	14.24
4)		alpha-BHC	1.572	1.445	1.461	1.447	1.409	1.432	1.441	1.448	1.450		1.456	3.15
5)		gamma-BHC (li	1.780	1.514	1.388	1.394	1.372	1.320	1.299	1.311	1.309	1.307	1.399	10.64
6)		beta-BHC	0.830	0.759	0.751	0.721	0.665	0.593	0.583	0.579	0.575		0.673	14.24
7)		delta-BHC	1.504	1.372	1.374	1.358	1.318	1.314	1.337	1.356	1.375		1.367	4.10
8)		Heptachlor	1.630	1.473	1.443	1.420	1.332	1.259	1.253	1.239	1.199		1.361	10.36
9)		Aldrin	1.471	1.348	1.321	1.325	1.260	1.222	1.231	1.230	1.198		1.290	6.69
10)		Alachlor	0.269	0.250	0.254	0.253	0.242	0.207	0.194	0.182			0.231	13.84
11)		Chlorpyrifos	0.816	0.797	0.776	0.702	0.574	0.541	0.516				*L	0.997
6)														
12)		Heptachlor Ep	1.486	1.357	1.325	1.303	1.236	1.147	1.147	1.137	1.100		1.249	10.30
13)		gamma-Chlorda	1.358	1.233	1.195	1.178	1.109	1.048	1.043	1.055	1.044		1.140	9.61
14)		alpha-Chlorda	1.559	1.405	1.369	1.357	1.277	1.196	1.182	1.189	1.169		1.300	10.21
15)		4,4'-DDE	1.390	1.293	1.265	1.267	1.221	1.212	1.213	1.232	1.211		1.256	4.65
16)		Endosulfan I	1.435	1.311	1.278	1.250	1.188	1.106	1.094	1.094	1.065		1.202	10.42
17)		Dieldrin	1.427	1.304	1.282	1.265	1.213	1.164	1.167	1.176	1.149		1.238	7.32
18)		Endrin	1.474	1.343	1.320	1.302	1.251	1.194	1.195	1.195	1.161		1.270	7.85
19)		4,4'-DDD	1.130	1.043	1.025	1.029	0.989	0.966	0.965	0.984	0.962		1.010	5.37
20)		Endosulfan II	1.312	1.203	1.179	1.160	1.098	1.030	1.017	1.020	0.987		1.112	9.81
21)		4,4'-DDT	1.225	1.115	1.130	1.130	1.069	1.044	1.052	1.065	1.020		1.094	5.72
22)		Endrin Aldehyde	1.033	0.942	0.922	0.889	0.886	0.877	0.874	0.872	0.822		*L	0.999
1)														
23)		Methoxychlor	0.731	0.738	0.724	0.669	0.585	0.560	0.545	0.506			0.632	14.85
24)		Mirex	1.269	1.224	1.198	1.084	0.928	0.894	0.884	0.842			*L	0.998
9)														
25)		Endosulfan Su	1.304	1.180	1.154	1.133	1.059	0.965	0.947	0.944	0.905		1.066	12.73
26)		Endrin Ketone	1.464	1.319	1.293	1.287	1.218	1.124	1.104	1.096	1.039		1.216	11.24
27)	s	Decachlorobip	1.353	1.315	1.294	1.177	1.033	1.007	0.988	0.928			*L	0.998
5)														
28)	i	1-br-2-nb_Chlordane	ISTD											
29)	l1	chlordane-1	0.062	0.053	0.046	0.044	0.040	0.039	0.039				*L	0.999
8)														
30)	l1	chlordane-3	0.085	0.071	0.060	0.057	0.050	0.048	0.046				*L	0.999
0)														

Initial Calibration Summary
Form 6
Pesticides

Client	**: P. W. Grosser**	**Lab Number**	**: L2512368**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: PEST20**	**Ical Ref**	**: ICAL21840**
Calibration dates	**: 01/03/25 12:04 01/03/25 17:02**		

Calibration Files

1 =20250103i-03.D 2 =20250103i-14.D 3 =20250103i-23.D 4 =20250103i-24.D 5 =20250103i-17.D
7 =20250103i-25.D 8 =20250103i-26.D 9 =20250103i-27.D 10 =20250103i-21.D 11 =20250103i-12.D

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
31) 9)	l1	chlordane-4	0.266	0.229	0.192	0.182	0.171	0.172	0.170				*L	0.999
32) 9)	l1	chlordane-5	0.414	0.355	0.298	0.284	0.264	0.267	0.261				*L	0.999
33)	i	1-br-2-nb_Toxaphene	----------ISTD----------											
34)	l2	toxaphene-1			0.068	0.069		0.065	0.064	0.060			0.065	5.14
35)	l2	toxaphene-2			0.039	0.039		0.038	0.038	0.036			0.038	3.06
36)	l2	toxaphene-4			0.058	0.056		0.055	0.054	0.051			0.055	4.80
37)	l2	toxaphene-5			0.053	0.047		0.044	0.044	0.041			0.046	10.08

Initial Calibration Summary
Form 6
Pesticides

Client	**: P. W. Grosser**	**Lab Number**	**: L2512368**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: PEST20**	**Ical Ref**	**: ICAL21840**
Calibration dates	**: 01/03/25 12:04 01/03/25 17:02**		

Signal #2 Calibration Files

1 =20250103i-03.D 2 =20250103i-14.D 3 =20250103i-23.D 4 =20250103i-24.D 5 =20250103i-17.D
7 =20250103i-25.D 8 =20250103i-26.D 9 =20250103i-27.D 10 =20250103i-21.D 11 =20250103i-12.D

		Compound	1	2	3	4	5	7	8	9	10	11	Avg		%RSD
1)	i	1-br-2-nb_Pesticides	----------ISTD----------												
2)	s	2,4,5,6-Tetra		1.273	1.172	1.181	1.167	1.115	1.062	1.044	1.021	0.992	1.114		8.23
3)		Hexachloroben		1.415	1.300	1.302	1.270	1.185	1.086	1.066	1.048	1.027	1.189		11.68
4)		alpha-BHC		1.427	1.349	1.386	1.378	1.384	1.423	1.437	1.452	1.459	1.411		2.66
5)		gamma-BHC (li	1.581	1.370	1.309	1.325	1.314	1.294	1.299	1.306	1.313	1.314	1.343		6.44
6)		beta-BHC		0.718	0.687	0.691	0.679	0.635	0.589	0.582	0.578	0.575	0.637		9.02
7)		delta-BHC		1.318	1.253	1.277	1.278	1.268	1.302	1.326	1.356	1.382	1.307		3.26
8)		Heptachlor		1.408	1.336	1.348	1.325	1.289	1.222	1.231	1.211	1.160	1.281		6.24
9)		Aldrin		1.260	1.210	1.216	1.209	1.186	1.180	1.183	1.180	1.145	1.197		2.68
10)		Alachlor		0.203	0.200	0.207	0.204	0.205	0.184	0.172	0.162		0.192		8.93
11)		Chlorpyrifos			0.723	0.724	0.715	0.656	0.568	0.539	0.516		0.634		14.46
12)		Heptachlor Ep		1.251	1.183	1.217	1.187	1.167	1.122	1.132	1.129	1.088	1.164		4.41
13)		gamma-Chlorda		1.149	1.100	1.093	1.084	1.049	1.016	1.015	1.023	1.012	1.060		4.60
14)		alpha-Chlorda		1.315	1.239	1.248	1.233	1.186	1.130	1.127	1.133	1.111	1.191		5.95
15)		4,4'-DDE		1.133	1.097	1.103	1.103	1.095	1.110	1.114	1.122	1.084	1.107		1.34
16)		Endosulfan I		1.215	1.159	1.164	1.159	1.115	1.072	1.067	1.065	1.031	1.116		5.48
17)		Dieldrin		1.198	1.157	1.152	1.153	1.127	1.122	1.124	1.134	1.105	1.141		2.38
18)		Endrin		1.313	1.304	1.239	1.216	1.194	1.157	1.150	1.156	1.120	1.205		5.70
19)		4,4'-DDD		0.851	0.863	0.873	0.881	0.872	0.882	0.883	0.904	0.889	0.878		1.73
20)		Endosulfan II		1.124	1.065	1.082	1.079	1.038	0.994	0.981	0.984	0.954	1.033		5.57
21)		4,4'-DDT		1.083	1.040	1.046	1.051	1.027	1.019	1.007	1.022	0.990	1.032		2.63
22)		Endrin Aldehyde		0.839	0.813	0.810	0.790	0.801	0.830	0.837	0.835	0.791	0.816		2.42
23)		Methoxychlor			0.601	0.605	0.606	0.587	0.537	0.522	0.508	0.474	0.555		9.23
24)		Mirex			1.057	1.054	1.025	0.952	0.838	0.812	0.803	0.776	0.915		13.17
25)		Endosulfan Su		1.098	1.041	1.038	1.031	0.979	0.929	0.912	0.922	0.893	0.983		7.33
26)		Endrin Ketone		1.230	1.167	1.180	1.175	1.140	1.084	1.079	1.064	1.008	1.125		6.26
27)	s	Decachlorobip			1.061	1.051	1.037	0.961	0.861	0.848	0.826	0.772	0.927		12.32
28)	i	1-br-2-nb_Chlordane	----------ISTD----------												
29)	l1	chlordane-1		0.054	0.047	0.042	0.041	0.038	0.037	0.034				*L	0.998
3)															
30)	l1	chlordane-3		0.066	0.058	0.051	0.049	0.043	0.041	0.037				*L	0.995
3)															
31)	l1	chlordane-4		0.221	0.184	0.163	0.161	0.152	0.150	0.139				*L	0.998
4)															
32)	l1	chlordane-5		0.183	0.154	0.134	0.131	0.122	0.119	0.110				*L	0.998
0)															

Initial Calibration Summary
Form 6
Pesticides

Client	**: P. W. Grosser**	**Lab Number**	**: L2512368**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: PEST20**	**Ical Ref**	**: ICAL21840**
Calibration dates	**: 01/03/25 12:04 01/03/25 17:02**		

Signal #2 Calibration Files

1 =20250103i-03.D 2 =20250103i-14.D 3 =20250103i-23.D 4 =20250103i-24.D 5 =20250103i-17.D
7 =20250103i-25.D 8 =20250103i-26.D 9 =20250103i-27.D 10 =20250103i-21.D 11 =20250103i-12.D

	Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
33) i	1-br-2-nb_Toxaphene	ISTD											
34) l2	toxaphene-1			0.022	0.024		0.024	0.024	0.023			0.024	4.06
35) l2	toxaphene-2			0.038	0.037		0.035	0.035	0.034			0.036	4.21
36) l2	toxaphene-4			0.042	0.042		0.042	0.042	0.041			0.042	1.49
37) l2	toxaphene-5			0.043	0.040		0.039	0.039	0.037			0.040	5.86

Initial Calibration Summary
Form 6
Pesticides

Client	**: P. W. Grosser**	**Lab Number**	**: L2512368**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: PEST11**	**Ical Ref**	**: ICAL21853**
Calibration dates	**: 01/06/25 12:47 01/06/25 17:31**		

Calibration Files

1 =11250106i-03.d 2 =11250106i-14.d 3 =11250106i-23.d 4 =11250106i-24.d 5 =11250106i-17.d
7 =11250106i-25.d 8 =11250106i-26.d 9 =11250106i-27.d 10 =11250106i-21.d 11 =11250106i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
1)	i	1-br-2-nb_Pesticides	----------ISTD----------											
2)	s	2,4,5,6-Tetrachloro-m-xylene		1.295	1.182	1.177	1.168	1.197	1.218	1.252	1.267	1.167	1.214	3.88
3)	t	Hexachlorobenzene		1.447	1.342	1.341	1.327	1.329	1.297	1.332	1.358	1.276	1.339	3.54
4)	t	alpha-BHC		1.415	1.355	1.398	1.419	1.567	1.765	1.883	1.956	1.879	1.626	14.97
5)	t	gamma-BHC (li	1.583	1.354	1.292	1.318	1.333	1.431	1.565	1.665	1.728	1.644	1.491	10.97
6)	t	beta-BHC		0.747	0.703	0.696	0.684	0.681	0.658	0.682	0.708	0.683	0.694	3.54
7)	t	delta-BHC		1.344	1.281	1.306	1.326	1.435	1.603	1.716	1.791	1.704	1.501	13.49
8)	t	Heptachlor		1.422	1.342	1.344	1.356	1.412	1.438	1.493	1.485	1.328	1.402	4.48
9)	t	Aldrin		1.329	1.257	1.267	1.287	1.383	1.479	1.567	1.587	1.440	1.400	9.00
10)	t	Alachlor			0.214	0.216	0.225	0.228	0.199	0.194	0.182		0.208	8.15
11)	t	Chlorpyrifos		0.853	0.807	0.799	0.804	0.792	0.696	0.689	0.660		0.763	9.20
12)	t	Heptachlor Epoxide		1.343	1.276	1.274	1.289	1.337	1.340	1.399	1.399	1.263	1.324	3.95
13)	t	gamma-Chlordane (trans)		1.366	1.240	1.210	1.220	1.254	1.246	1.326	1.368	1.285	1.279	4.72
14)	t	alpha-Chlordane (cis)		1.491	1.417	1.372	1.382	1.437	1.429	1.512	1.558	1.462	1.451	4.19
15)	t	4,4'-DDE		1.198	1.159	1.166	1.206	1.301	1.415	1.522	1.552	1.426	1.327	11.68
16)	t	Endosulfan I		1.277	1.214	1.214	1.234	1.278	1.287	1.350	1.349	1.227	1.270	4.17
17)	t	Dieldrin		1.311	1.228	1.214	1.239	1.294	1.338	1.426	1.456	1.338	1.316	6.43
18)	t	Endrin		1.220	1.174	1.180	1.212	1.275	1.328	1.400	1.408	1.277	1.275	6.93
19)	t	4,4'-DDD		0.926	0.889	0.893	0.921	0.972	1.045	1.125	1.165	1.097	1.003	10.58
20)	t	Endosulfan II		1.197	1.136	1.138	1.158	1.187	1.196	1.250	1.254	1.146	1.185	3.79
21)	t	4,4'-DDT		1.057	1.027	1.013	1.035	1.045	1.075	1.197	1.228	1.121	1.089	7.10
22)	t	Endrin Aldehyde		0.982	0.925	0.939	0.945	0.990	1.006	1.054	1.051	0.953	0.983	4.81
23)	t	Methoxychlor		0.672	0.650	0.643	0.655	0.643	0.591	0.592	0.572	0.510	0.614	8.45
24)	t	Mirex		1.294	1.222	1.194	1.197	1.149	1.043	1.066	1.080	1.028	1.142	8.06
25)	t	Endosulfan Sulfate		1.191	1.150	1.141	1.156	1.183	1.183	1.241	1.248	1.147	1.182	3.35
26)	t	Endrin Ketone		1.200	1.154	1.159	1.179	1.200	1.195	1.228	1.209	1.088	1.179	3.51
27)	s	Decachlorobiphenyl		1.304	1.214	1.220	1.222	1.145	1.077	1.095	1.089	0.984	1.150	8.55
28)	i	1-br-2-nb_Chlordane	----------ISTD----------											
29)	l1	chlordane-1		0.056	0.054	0.048	0.048	0.047	0.048	0.049			*L	0.999
7)														
30)	l1	chlordane-3		0.081	0.076	0.064	0.064	0.056	0.056	0.055			*L	0.999
6)														
31)	l1	chlordane-4		0.302	0.237	0.206	0.214	0.209	0.216	0.215			*L	0.999
7)														
32)	l1	chlordane-5		0.456	0.358	0.317	0.328	0.325	0.335	0.330			*L	0.999
7)														

Initial Calibration Summary
Form 6
Pesticides

Client	**: P. W. Grosser**	**Lab Number**	**: L2512368**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: PEST11**	**Ical Ref**	**: ICAL21853**
Calibration dates	**: 01/06/25 12:47 01/06/25 17:31**		

Calibration Files

1 =11250106i-03.d 2 =11250106i-14.d 3 =11250106i-23.d 4 =11250106i-24.d 5 =11250106i-17.d

7 =11250106i-25.d 8 =11250106i-26.d 9 =11250106i-27.d 10 =11250106i-21.d 11 =11250106i-12.d

	Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
33) i	1-br-2-nb_Toxaphene	ISTD											
34) l2	toxaphene-2			0.068	0.064		0.067	0.069	0.064			0.066	3.17
35) l2	toxaphene-3			0.044	0.046		0.051	0.053	0.049			0.049	7.01
36) l2	toxaphene-4			0.051	0.048		0.051	0.052	0.050			0.050	3.48
37) l2	toxaphene-5			0.047	0.043		0.046	0.047	0.044			0.045	3.90

Initial Calibration Summary
Form 6
Pesticides

Client	**: P. W. Grosser**	**Lab Number**	**: L2512368**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: PEST11**	**Ical Ref**	**: ICAL21853**
Calibration dates	**: 01/06/25 12:47 01/06/25 17:31**		

Signal #2 Calibration Files

1 =11250106i-03.d 2 =11250106i-14.d 3 =11250106i-23.d 4 =11250106i-24.d 5 =11250106i-17.d
7 =11250106i-25.d 8 =11250106i-26.d 9 =11250106i-27.d 10 =11250106i-21.d 11 =11250106i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
1)	i	1-br-2-nb_Pesticides	----------ISTD----------											
2)	s	2,4,5,6-Tetra			1.153	1.056	1.061	1.042	1.006	0.987	1.013	1.034	1.048	1.044	4.56
3)	t	Hexachloroben			1.415	1.272	1.239	1.206	1.142	1.060	1.082	1.103	1.114	1.181	9.65
4)	t	alpha-BHC			1.445	1.343	1.344	1.334	1.367	1.458	1.544	1.614	1.659	1.456	8.47
5)	t	gamma-BHC (li		1.726	1.425	1.308	1.300	1.293	1.289	1.328	1.399	1.456	1.491	1.401	9.68
6)	t	beta-BHC			0.794	0.710	0.702	0.684	0.636	0.573	0.577	0.586	0.591	*L	0.999
8)															
7)	t	delta-BHC			1.427	1.290	1.307	1.282	1.298	1.353	1.435	1.499	1.539	1.381	7.03
8)	t	Heptachlor			1.586	1.440	1.423	1.397	1.367	1.317	1.369	1.384	1.365	1.405	5.44
9)	t	Aldrin			1.337	1.222	1.216	1.204	1.196	1.209	1.278	1.317	1.318	1.255	4.53
10)	t	Alachlor				0.238	0.239	0.241	0.225	0.184	0.175	0.164		*L	0.996
8)															
11)	t	Chlorpyrifos		0.989	0.896	0.874	0.864	0.800	0.648	0.630	0.604			0.788	18.19
12)	t	Heptachlor Ep		1.467	1.348	1.310	1.282	1.254	1.167	1.197	1.207	1.196		1.270	7.48
13)	t	gamma-Chlorda		1.271	1.156	1.139	1.135	1.094	1.034	1.087	1.121	1.140		1.131	5.71
14)	t	alpha-Chlorda		1.416	1.302	1.274	1.265	1.224	1.155	1.206	1.235	1.249		1.259	5.78
15)	t	4,4'-DDE		1.243	1.129	1.117	1.121	1.121	1.137	1.215	1.254	1.264		1.178	5.44
16)	t	Endosulfan I		1.357	1.222	1.192	1.184	1.145	1.074	1.113	1.123	1.111		1.169	7.24
17)	t	Dieldrin		1.271	1.152	1.142	1.136	1.115	1.102	1.164	1.191	1.189		1.162	4.35
18)	t	Endrin		1.242	1.155	1.135	1.151	1.136	1.122	1.180	1.201	1.196		1.169	3.33
19)	t	4,4'-DDD		0.991	0.918	0.905	0.916	0.902	0.906	0.965	0.996	1.012		0.946	4.76
20)	t	Endosulfan II		1.216	1.118	1.098	1.086	1.050	0.991	1.031	1.041	1.037		1.074	6.12
21)	t	4,4'-DDT		1.145	1.054	1.043	1.050	1.036	1.021	1.087	1.118	1.137		1.077	4.30
22)	t	Endrin Aldehyde		1.250	1.033	1.010	0.988	0.955	0.840	0.871	0.870	0.862		*L	0.999
8)															
23)	t	Methoxychlor		0.730	0.670	0.663	0.666	0.621	0.547	0.554	0.545	0.540		0.615	11.51
24)	t	Mirex		1.231	1.116	1.085	1.059	0.960	0.815	0.812	0.814	0.814		*L	0.999
6)															
25)	t	Endosulfan Su		1.219	1.120	1.097	1.085	1.034	0.956	0.993	1.004	1.010		1.058	7.65
26)	t	Endrin Ketone		1.236	1.146	1.123	1.126	1.083	1.036	1.078	1.081	1.080		1.110	5.19
27)	s	Decachlorobip		1.088	1.003	0.999	0.982	0.900	0.819	0.829	0.833	0.840		0.922	10.71
28)	i	1-br-2-nb_Chlordane	----------ISTD----------											
29)	l1	chlordane-1			0.067	0.057	0.047	0.048	0.038	0.038	0.038			*L	0.998
9)															
30)	l1	chlordane-3			0.085	0.070	0.061	0.066	0.047	0.044	0.043			*L	0.994
3)															

Initial Calibration Summary
Form 6
Pesticides

Client	**: P. W. Grosser**	**Lab Number**	**: L2512368**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: PEST11**	**Ical Ref**	**: ICAL21853**
Calibration dates	**: 01/06/25 12:47 01/06/25 17:31**		

Signal #2 Calibration Files

1 =11250106i-03.d 2 =11250106i-14.d 3 =11250106i-23.d 4 =11250106i-24.d 5 =11250106i-17.d
7 =11250106i-25.d 8 =11250106i-26.d 9 =11250106i-27.d 10 =11250106i-21.d 11 =11250106i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
31) 8)	l1	chlordane-4	0.246	0.201	0.173	0.178	0.158	0.157	0.158				*L	0.999
32) 7)	l1	chlordane-5	0.203	0.163	0.139	0.142	0.123	0.121	0.121				*L	0.999
33)	i	1-br-2-nb_Toxaphene	----------ISTD----------											
34) 4)	l2	toxaphene-2			0.028	0.028		0.023	0.023	0.022			*L	0.999
35) 8)	l2	toxaphene-3			0.046	0.039		0.034	0.034	0.033			*L	0.999
36) 7)	l2	toxaphene-4			0.054	0.048		0.041	0.040	0.039			*L	0.999
37) 9)	l2	toxaphene-5			0.050	0.041		0.037	0.036	0.036			*L	0.999

Response Factor Report Pest 10

Method Path : I:\PEST\Pest10\2024\241212ICAL\
Method File : pest10_2024_12_12_ugL_ical.m
Title : pest
Last Update : Fri Dec 13 16:21:42 2024
Response Via : Initial Calibration

Calibration Files
1 =10241212i-03.d 2 =10241212i-14.d 3 =10241212i-23.d 4 =10241212i-24.d 5 =10241212i-17.d
7 =10241212i-25.d 8 =10241212i-26.d 9 =10241212i-27.d 10 =10241212i-21.d 11 =10241212i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
1)	i	1-br-2-nb_Pesticides	----------ISTD----------											
2)	s	2,4,5,6-Tetra...			2.236	2.181	2.055	1.871	1.738	1.647	1.465		1.885	15.23
3)	t	Hexachloroben...			2.423	2.328	2.218	1.979	1.797	1.699	1.514	1.349	1.913	20.39
4)	t	alpha-BHC		2.202	2.112	2.091	1.999	1.844	1.789	1.734	1.569	1.418	1.862	14.13
5)	t	gamma-BHC (li...	2.360	2.022	1.884	1.860	1.789	1.615	1.568	1.514			1.826	15.18
6)	t	beta-BHC			0.975	0.946	0.913	0.794	0.705	0.691	0.646	0.607	*L	0.997
2														
7)	t	delta-BHC		2.139	1.975	1.950	1.880	1.692	1.648	1.627	1.492	1.369	1.752	14.25
8)	t	Heptachlor		1.892	1.753	1.761	1.693	1.481	1.398	1.365	1.241		1.573	14.74
9)	t	Aldrin		2.229	2.085	2.077	2.011	1.777	1.737	1.698	1.537	1.398	1.839	15.13
10)	t	Alachlor			0.259	0.280	0.278	0.241	0.224	0.208	0.187	0.177	0.232	17.02
11)	t	Chlorpyrifos			0.925	0.916	0.890	0.762	0.671	0.632	0.578		0.768	18.82
12)	t	Heptachlor Ep...		2.024	1.876	1.840	1.806	1.579	1.500	1.471	1.346		1.680	14.15
13)	t	gamma-Chlorda...		1.904	1.817	1.774	1.733	1.501	1.436	1.422	1.324	1.247	1.573	15.08
14)	t	alpha-Chlorda...			2.113	2.132	2.072	1.762	1.682	1.645	1.515	1.417	*L	0.996
3														
15)	t	4,4'-DDE		2.284	2.145	2.129	2.093	1.832	1.812	1.774	1.629	1.496	1.911	13.86
16)	t	Endosulfan I		1.994	1.876	1.866	1.810	1.570	1.500	1.472	1.360		1.681	13.84

Response Factor Report Pest 10

Method Path : I:\PEST\Pest10\2024\241212ICAL\
Method File : pest10_2024_12_12_ugL_ical.m
Title : pest
Last Update : Fri Dec 13 16:21:42 2024
Response Via : Initial Calibration

Calibration Files
1 =10241212i-03.d 2 =10241212i-14.d 3 =10241212i-23.d 4 =10241212i-24.d 5 =10241212i-17.d
7 =10241212i-25.d 8 =10241212i-26.d 9 =10241212i-27.d 10 =10241212i-21.d 11 =10241212i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
17)	t	Dieldrin		2.074	1.930	1.900	1.865	1.631	1.584	1.563	1.449	1.350	1.705	14.39
18)	t	Endrin		1.905	1.820	1.800	1.755	1.532	1.474	1.452	1.344	1.246	1.592	14.70
19)	t	4,4'-DDD		1.429	1.339	1.340	1.303	1.142	1.098	1.085	1.020	0.967	1.191	13.76
20)	t	Endosulfan II			1.725	1.727	1.665	1.445	1.374	1.354	1.257	1.173	1.465	14.72
21)	t	4,4'-DDT			1.275	1.285	1.282	1.110	1.077	1.067	1.000	0.943	1.130	11.92
22)	t	Endrin Aldehyde		1.475	1.409	1.422	1.397	1.202	1.181	1.176	1.101	1.017	1.264	12.95
23)	t	Methoxychlor				0.735	0.722	0.616	0.559	0.540	0.501		*L	0.998
3														
24)	t	Mirex			1.499	1.491	1.449	1.224	1.122	1.078	0.997		*L	0.997
7														
25)	t	Endosulfan Su...		1.781	1.635	1.645	1.595	1.369	1.281	1.255	1.157		1.465	15.49
26)	t	Endrin Ketone			1.679	1.658	1.622	1.382	1.309	1.275	1.161		1.441	14.54
27)	s	Decachlorobip...			2.107	2.038	1.991	1.652	1.541	1.483	1.337		*L	0.996
6														
28)	i	1-br-2-nb_Chlordane	----------ISTD----------											
29)	l1	chlordane-1			0.088	0.075	0.065	0.063	0.054	0.053	0.053		*L	0.999
5														
30)	l1	chlordane-3			0.105	0.089	0.078	0.075	0.061	0.058	0.057		*L	0.997
9														
31)	l1	chlordane-4			0.345	0.285	0.251	0.246	0.214	0.208	0.198		*L	0.998
6														
32)	l1	chlordane-5			0.526	0.464	0.379	0.372	0.327	0.315	0.296		*L	0.998
1														

Method Path : I:\PEST\Pest10\2024\241212ICAL\
Method File : pest10_2024_12_12_ugL_ical.m
Title : pest
Last Update : Fri Dec 13 16:21:42 2024
Response Via : Initial Calibration

Calibration Files
1 =10241212i-03.d 2 =10241212i-14.d 3 =10241212i-23.d 4 =10241212i-24.d 5 =10241212i-17.d
7 =10241212i-25.d 8 =10241212i-26.d 9 =10241212i-27.d 10 =10241212i-21.d 11 =10241212i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
33)	i	1-br-2-nb_Toxaphene	----------ISTD----------											
34)	l2	toxaphene-1			0.111	0.083		0.073	0.067	0.060			*L	0.9950
35)	l2	toxaphene-2			0.072	0.059		0.055	0.051	0.046			*L	0.9957
36)	l2	toxaphene-4			0.057	0.048		0.041	0.038	0.034			*L	0.9955
37)	l2	toxaphene-5			0.072	0.056		0.047	0.043	0.039			*L	0.9947

Signal #2 Calibration Files
1 =10241212i-03.d 2 =10241212i-14.d 3 =10241212i-23.d 4 =10241212i-24.d 5 =10241212i-17.d
7 =10241212i-25.d 8 =10241212i-26.d 9 =10241212i-27.d 10 =10241212i-21.d 11 =10241212i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
1)	i	1-br-2-nb_Pesticides	----------ISTD----------											
2)	s	2,4,5,6-Tetra...			1.454	1.429	1.393	1.314	1.320	1.295	1.263		1.353	5.37
3)	t	Hexachloroben...			1.651	1.613	1.594	1.463	1.413	1.388	1.347	1.320	1.474	8.74
4)	t	alpha-BHC		1.745	1.687	1.707	1.702	1.672	1.836	1.863	1.843	1.835	1.765	4.38
5)	t	gamma-BHC (li...	1.883	1.653	1.610	1.613	1.600	1.536	1.643	1.671			1.651	6.19
6)	t	beta-BHC			0.814	0.819	0.809	0.746	0.710	0.713	0.705	0.708	0.753	6.90
7)	t	delta-BHC		1.645	1.580	1.607	1.602	1.545	1.695	1.742	1.740	1.754	1.657	4.73
8)	t	Heptachlor		1.696	1.640	1.645	1.628	1.508	1.582	1.594	1.564		1.607	3.60
9)	t	Aldrin		1.759	1.671	1.694	1.688	1.588	1.738	1.765	1.739	1.738	1.709	3.27

Response Factor Report Pest 10

Method Path : I:\PEST\Pest10\2024\241212ICAL\
Method File : pest10_2024_12_12_ugL_ical.m
Title : pest
Last Update : Fri Dec 13 16:21:42 2024
Response Via : Initial Calibration

Calibration Files
1 =10241212i-03.d 2 =10241212i-14.d 3 =10241212i-23.d 4 =10241212i-24.d 5 =10241212i-17.d
7 =10241212i-25.d 8 =10241212i-26.d 9 =10241212i-27.d 10 =10241212i-21.d 11 =10241212i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
10)	t	Alachlor			0.246	0.243	0.253	0.231	0.218	0.208	0.196	0.191	0.223	10.62
11)	t	Chlorpyrifos			0.932	0.938	0.939	0.827	0.756	0.727	0.697		0.831	12.78
12)	t	Heptachlor Ep...	1.727	1.629	1.656	1.630	1.502	1.574	1.593	1.573			1.611	4.14
13)	t	gamma-Chlorda...	1.575	1.499	1.514	1.521	1.370	1.458	1.485	1.485	1.523		1.492	3.77
14)	t	alpha-Chlorda...			1.720	1.743	1.745	1.579	1.672	1.689	1.672	1.698	1.690	3.14
15)	t	4,4'-DDE	1.680	1.615	1.655	1.675	1.548	1.743	1.770	1.753	1.771		1.690	4.53
16)	t	Endosulfan I	1.625	1.557	1.558	1.576	1.444	1.535	1.553	1.532			1.548	3.28
17)	t	Dieldrin	1.646	1.556	1.575	1.586	1.464	1.611	1.638	1.625	1.635		1.593	3.60
18)	t	Endrin	1.612	1.536	1.569	1.590	1.460	1.596	1.610	1.582	1.583		1.571	3.01
19)	t	4,4'-DDD	1.255	1.202	1.229	1.249	1.141	1.255	1.270	1.267	1.288		1.240	3.59
20)	t	Endosulfan II			1.449	1.463	1.469	1.337	1.419	1.424	1.404	1.410	1.422	2.96
21)	t	4,4'-DDT			1.352	1.364	1.377	1.247	1.339	1.344	1.337	1.353	1.339	2.96
22)	t	Endrin Aldehyde	1.249	1.189	1.232	1.233	1.108	1.195	1.216	1.195	1.196		1.202	3.40
23)	t	Methoxychlor				0.820	0.827	0.720	0.709	0.697	0.674		0.741	8.86
24)	t	Mirex			1.427	1.440	1.436	1.238	1.205	1.167	1.134		1.292	10.57
25)	t	Endosulfan Su...	1.487	1.423	1.422	1.419	1.264	1.298	1.298	1.272			1.360	6.33

Response Factor Report Pest 10

Method Path : I:\PEST\Pest10\2024\241212ICAL\
Method File : pest10_2024_12_12_ugL_ical.m
Title : pest
Last Update : Fri Dec 13 16:21:42 2024
Response Via : Initial Calibration

Calibration Files
1 =10241212i-03.d 2 =10241212i-14.d 3 =10241212i-23.d 4 =10241212i-24.d 5 =10241212i-17.d
7 =10241212i-25.d 8 =10241212i-26.d 9 =10241212i-27.d 10 =10241212i-21.d 11 =10241212i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
26)	t	Endrin Ketone			1.587	1.596	1.601	1.438	1.488	1.472	1.426		1.515	5.09
27)	s	Decachlorobip...			1.759	1.729	1.722	1.479	1.416	1.372	1.314		*L	0.999
28)	i	1-br-2-nb_Chlordane	----------ISTD----------											
29)	l1	chlordane-1	0.063	0.055	0.050	0.049	0.045	0.047	0.047				*L	0.999
30)	l1	chlordane-3	0.085	0.072	0.065	0.063	0.055	0.055	0.053				*L	0.999
31)	l1	chlordane-4	0.265	0.223	0.201	0.200	0.194	0.199	0.195				*L	0.999
32)	l1	chlordane-5	0.213	0.182	0.165	0.163	0.154	0.158	0.156				*L	0.999
33)	i	1-br-2-nb_Toxaphene	----------ISTD----------											
34)	l2	toxaphene-1			0.028	0.027	0.029	0.029	0.029				*L	0.999
35)	l2	toxaphene-2			0.049	0.042	0.043	0.043	0.042				*L	0.999
36)	l2	toxaphene-4			0.055	0.049	0.052	0.052	0.051				*L	0.999
37)	l2	toxaphene-5			0.069	0.049	0.047	0.047	0.046				*L	0.999

(#) = Out of Range ### Number of calibration levels exceeded format ###

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 19:34
Operator : PEST10:ejl
Sample : pem10241212i-01,42e,,pp 11667 - (Sig #1); pem-01,42e,,pp 11667 - (Sig #2)
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 16:07:44 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 16:05:11 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.325	1.365	67675727	64343888	25.000M4	25.000
	System Monitoring Compounds						
	Target Compounds						
15) t	4,4'-DDE	3.700	4.451	1261808	817989	0.244M4	0.188M4
18) t	Endrin	4.256	4.905	236.8E6	244.1E6	54.945M4	60.370
19) t	4,4'-DDD	4.365	5.030	2592100	1699207	0.804	0.533 D
21) t	4,4'-DDT	4.655	5.308	341.1E6	407.8E6	111.539M3	118.318M4
22) t	Endrin Aldeh	4.909	5.403	481323	487108	0.141M2	0.158M2
26) t	Endrin Keton	5.526	6.047	4627196	3983045	1.186M4	1.021
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 19:34
Operator : PEST10:ejl
Sample : pem10241212i-01,42e,,pp 11667 - (Sig #1); pem-01,42e,,pp 11667 - (Sig #2)
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 16:07:44 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 16:05:11 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

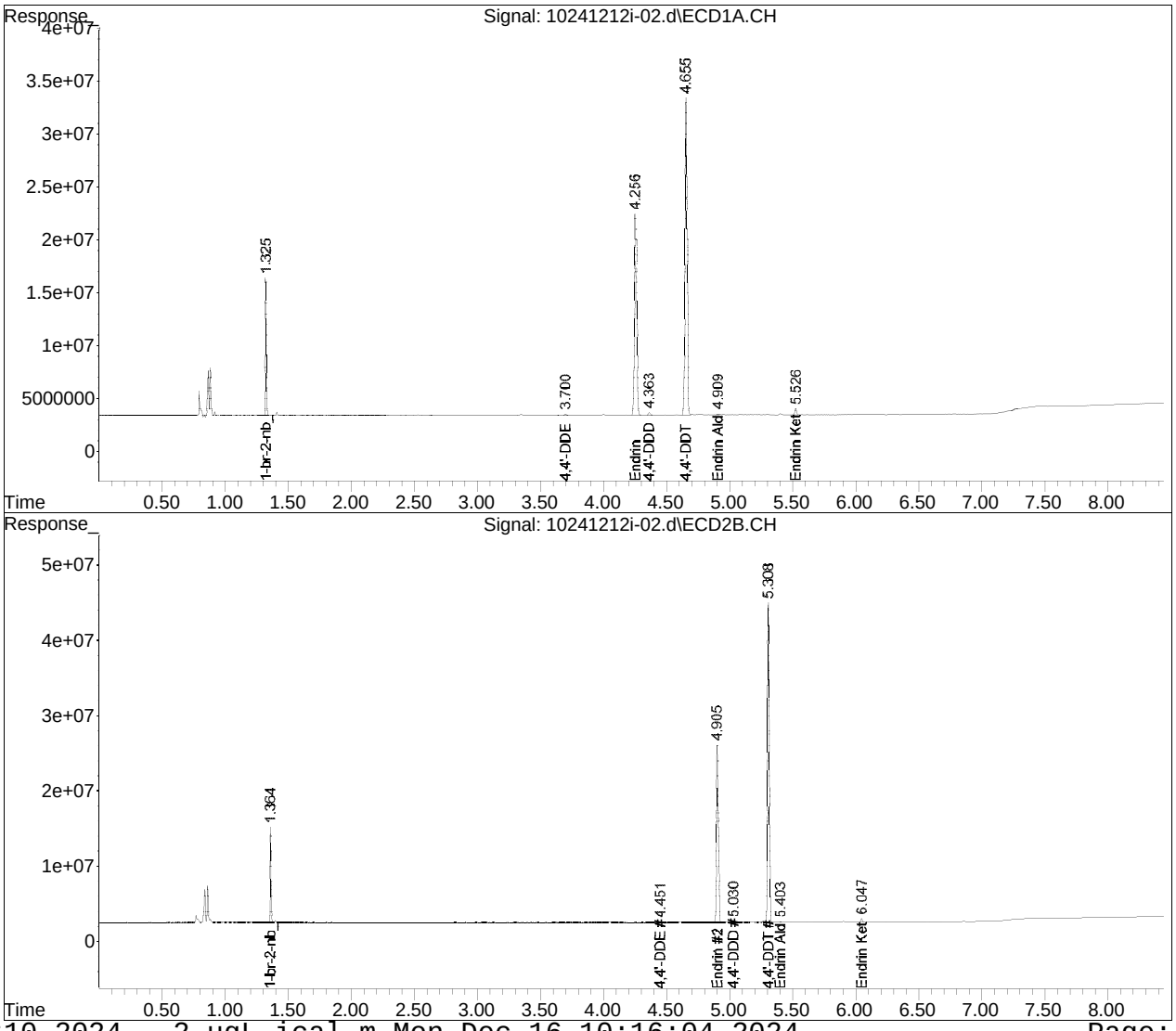
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : DEG - DDT/Endrin degradation checkiewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 19:34
Operator : PEST10:ejl
Sample : pem10241212i-01,42e,,pp 11667 - (Sig #1); pem-01,42e,,pp 11667 - (
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 16:07:44 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 16:05:11 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

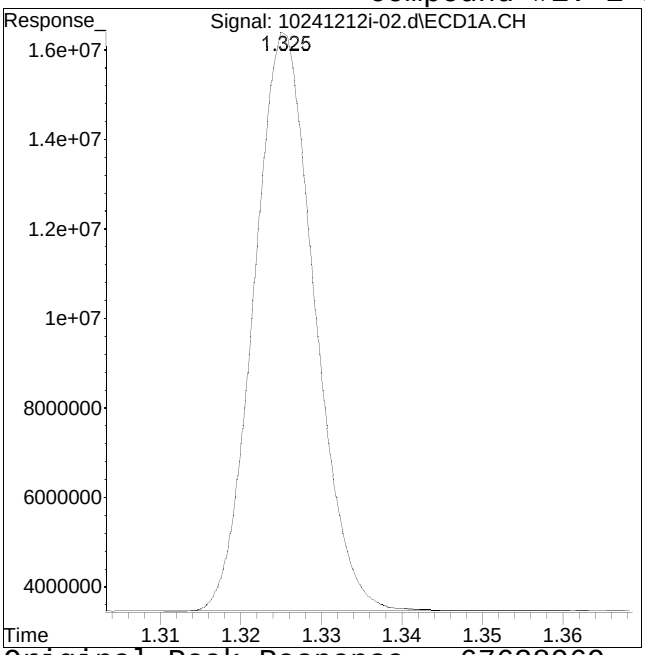
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



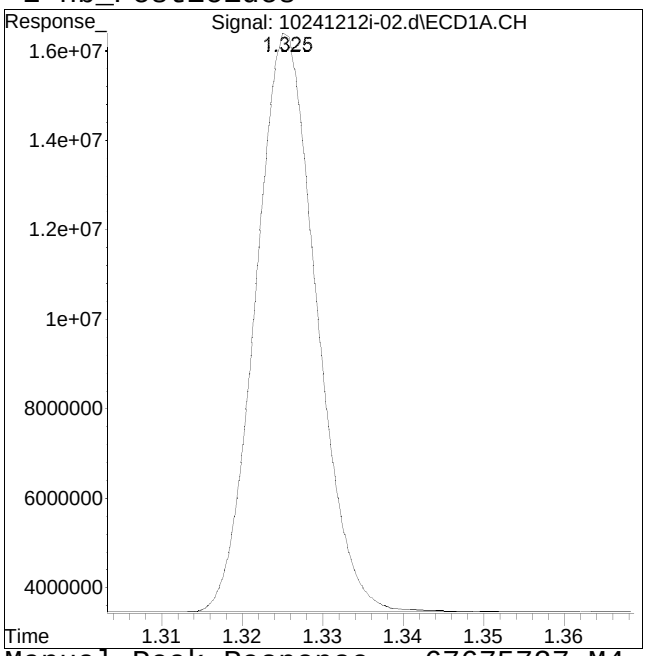
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-02.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 19:34 Instrument : Pest 10
Sample : pem10241212i-01,42e,,pp 11Quant Date : 12/13/2024 4:07 pm

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 67638969



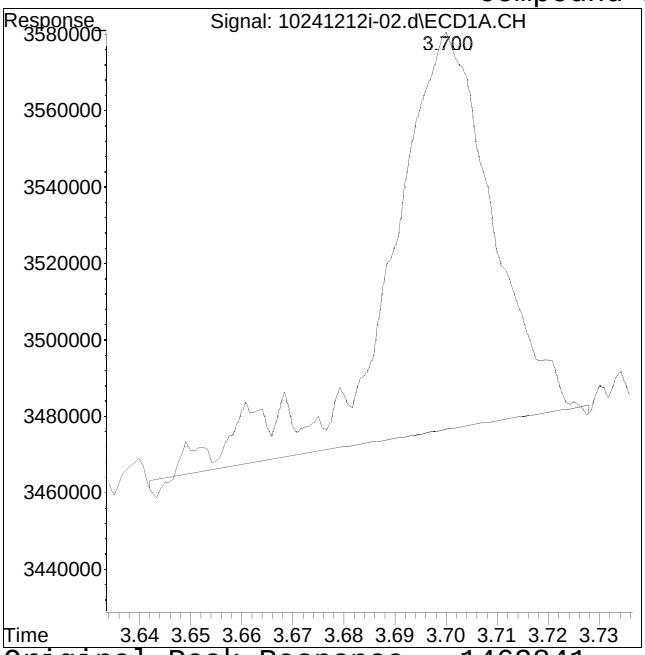
Manual Peak Response = 67675727 M4

M4 = Poor automated baseline construction.

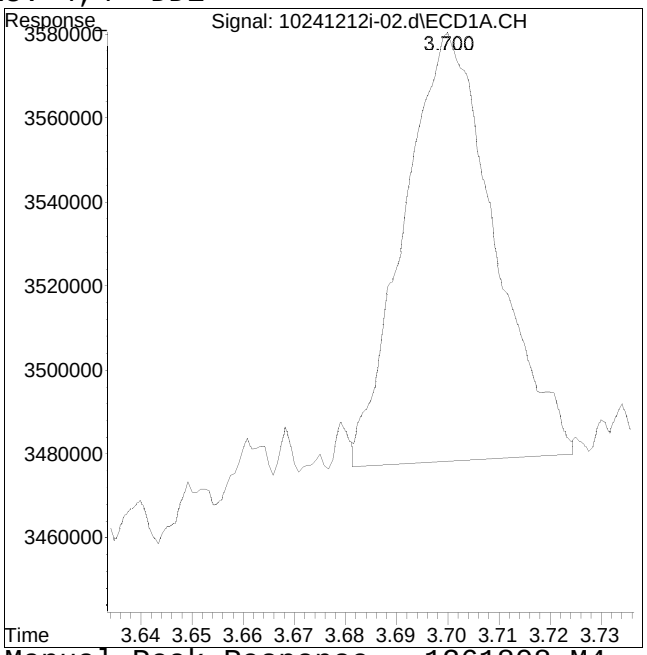
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-02.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 19:34 Instrument : Pest 10
Sample : pem10241212i-01,42e,,pp 11Quant Date : 12/13/2024 4:07 pm

Compound #15: 4,4'-DDE



Original Peak Response = 1462841



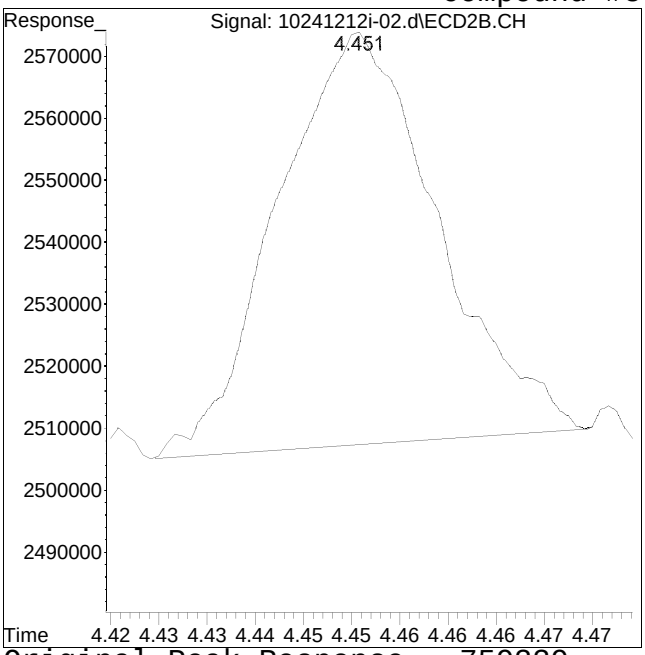
Manual Peak Response = 1261808 M4

M4 = Poor automated baseline construction.

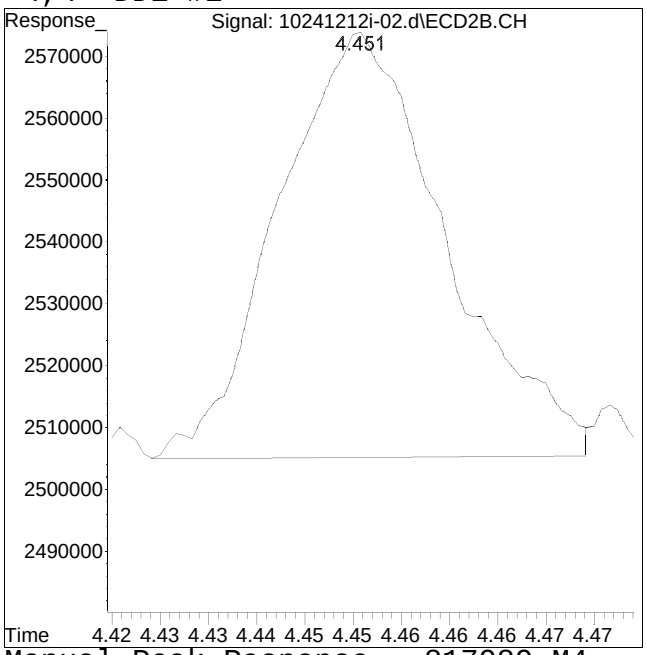
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-02.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 19:34 Instrument : Pest 10
Sample : pem10241212i-01,42e,,pp 11Quant Date : 12/13/2024 4:07 pm

Compound #53: 4,4'-DDE #2



Original Peak Response = 759339



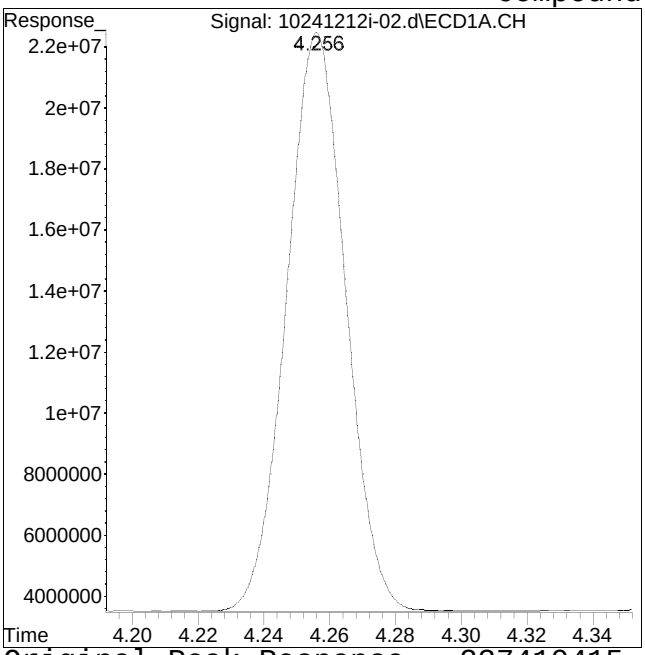
Manual Peak Response = 817989 M4

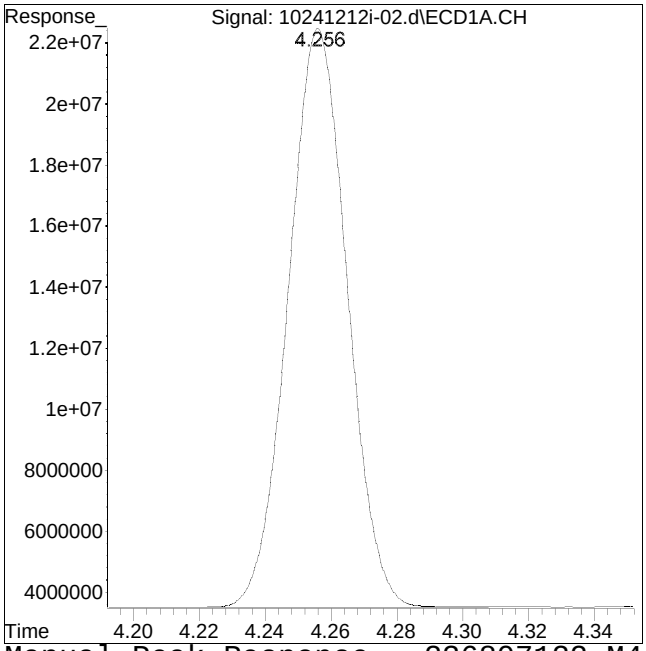
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-02.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 19:34 Instrument : Pest 10
Sample : pem10241212i-01,42e,,pp 11Quant Date : 12/13/2024 4:07 pm

Compound #18: Endrin



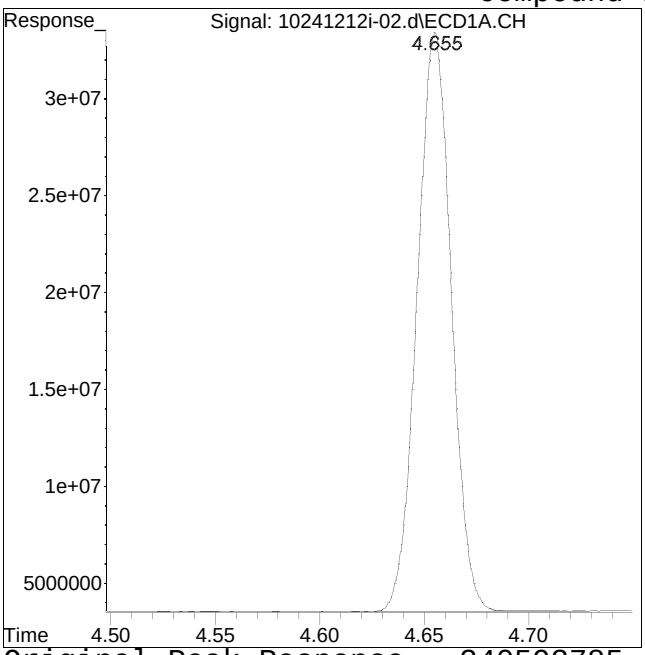


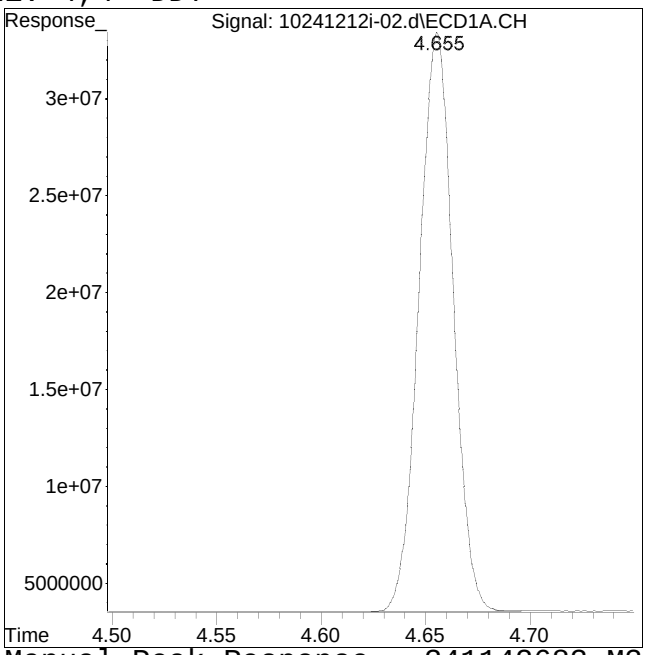
Original Peak Response = 237410415 Manual Peak Response = 236807122 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-02.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 19:34 Instrument : Pest 10
Sample : pem10241212i-01,42e,,pp 11Quant Date : 12/13/2024 4:07 pm

Compound #21: 4,4'-DDT



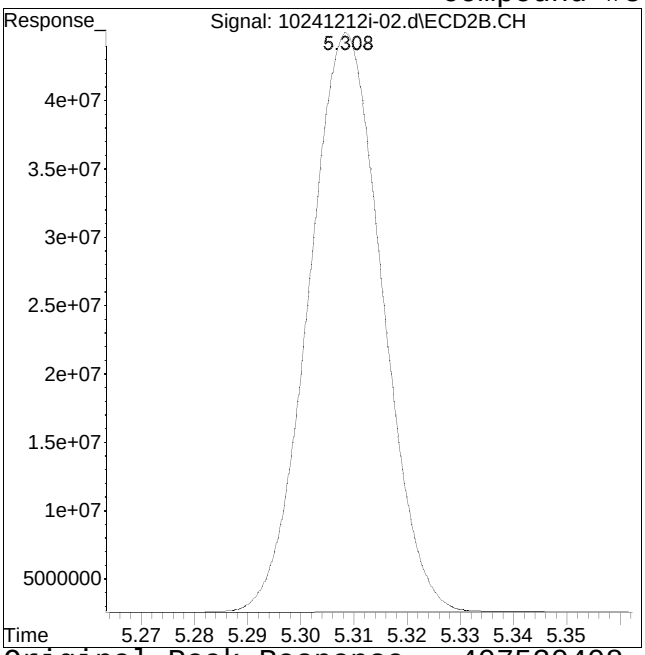


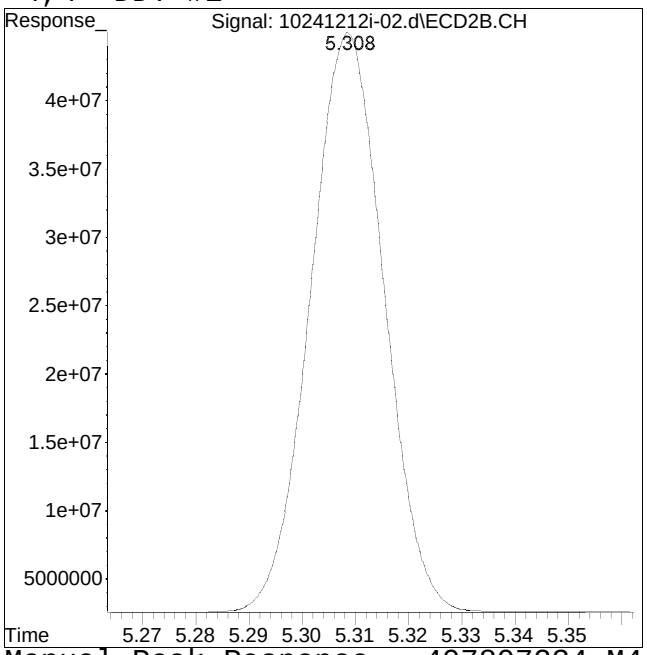
Original Peak Response = 340593785 Manual Peak Response = 341142683 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-02.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 19:34 Instrument : Pest 10
Sample : pem10241212i-01,42e,,pp 11Quant Date : 12/13/2024 4:07 pm

Compound #59: 4,4'-DDT #2



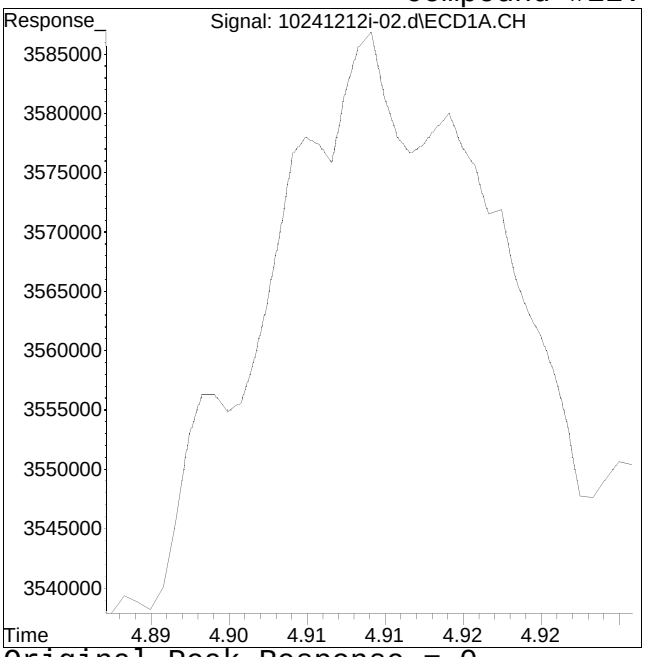


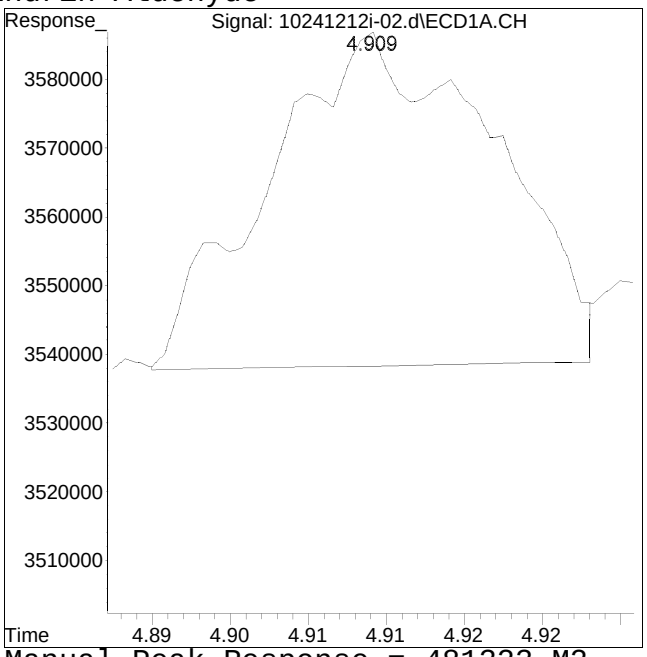
Original Peak Response = 407530408 Manual Peak Response = 407807234 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-02.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 19:34 Instrument : Pest 10
Sample : pem10241212i-01,42e,,pp 11Quant Date : 12/13/2024 4:07 pm

Compound #22: Endrin Aldehyde



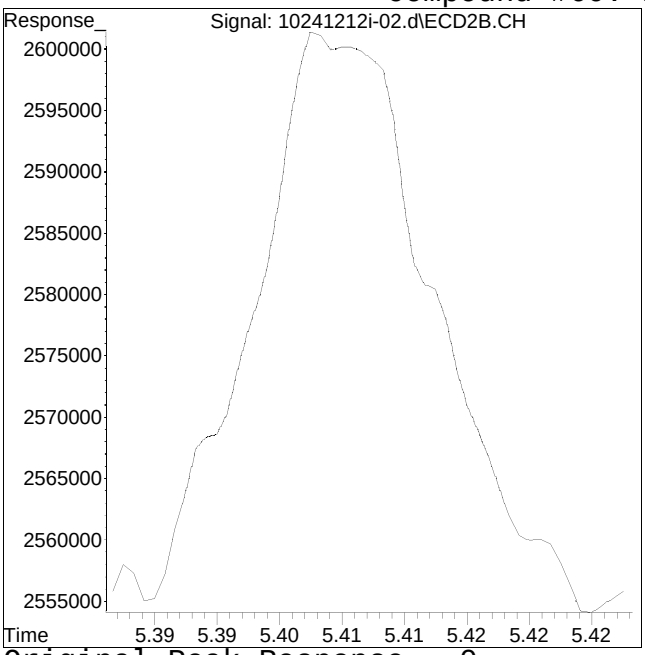


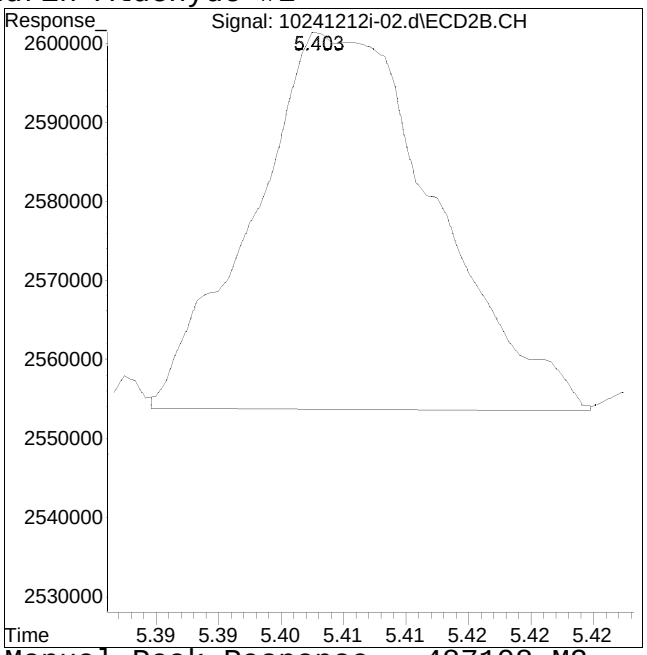
Original Peak Response = 0 Manual Peak Response = 481323 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-02.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 19:34 Instrument : Pest 10
Sample : pem10241212i-01,42e,,pp 11Quant Date : 12/13/2024 4:07 pm

Compound #60: Endrin Aldehyde #2



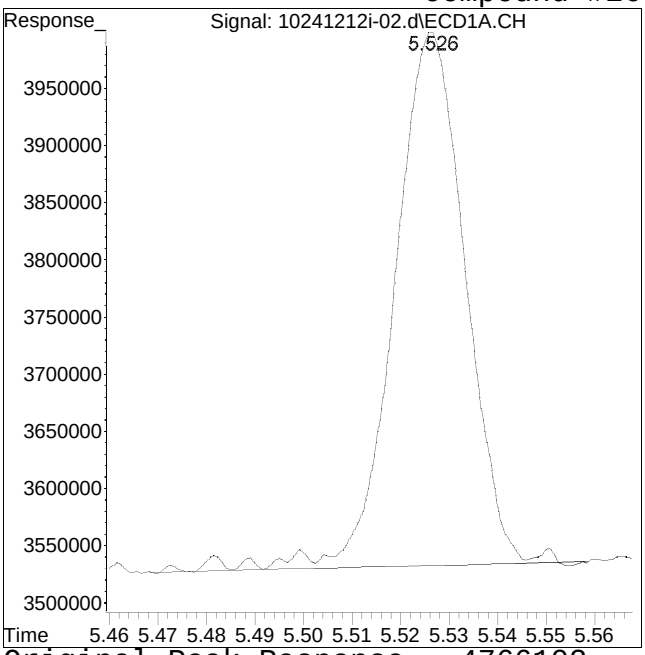


Original Peak Response = 0 Manual Peak Response = 487108 M2
M2 = Peak not found by automatic integration algorithm.

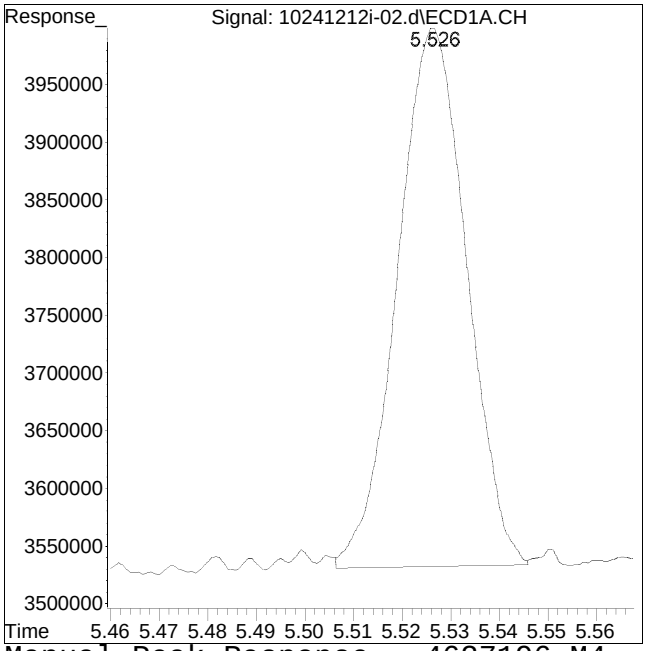
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-02.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 19:34 Instrument : Pest 10
Sample : pem10241212i-01,42e,,pp 11Quant Date : 12/13/2024 4:07 pm

Compound #26: Endrin Ketone



Original Peak Response = 4766102



Manual Peak Response = 4627196 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 19:45
Operator : PEST10:ejl
Sample : il1pest,42e,,pp 11929 L0.0005
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 10:56:43 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 10:56:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.326	1.365	73794416	71418817	25.000M4	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	2.194	2.533	3483616	2689970	0.713M3	0.579M4
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 19:45
Operator : PEST10:ejl
Sample : il1pest,42e,,pp 11929 L0.0005
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 10:56:43 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 10:56:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D.	N.D.
30) l1	chlordane-3	0.000	0.000	0	0	N.D.	N.D.
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

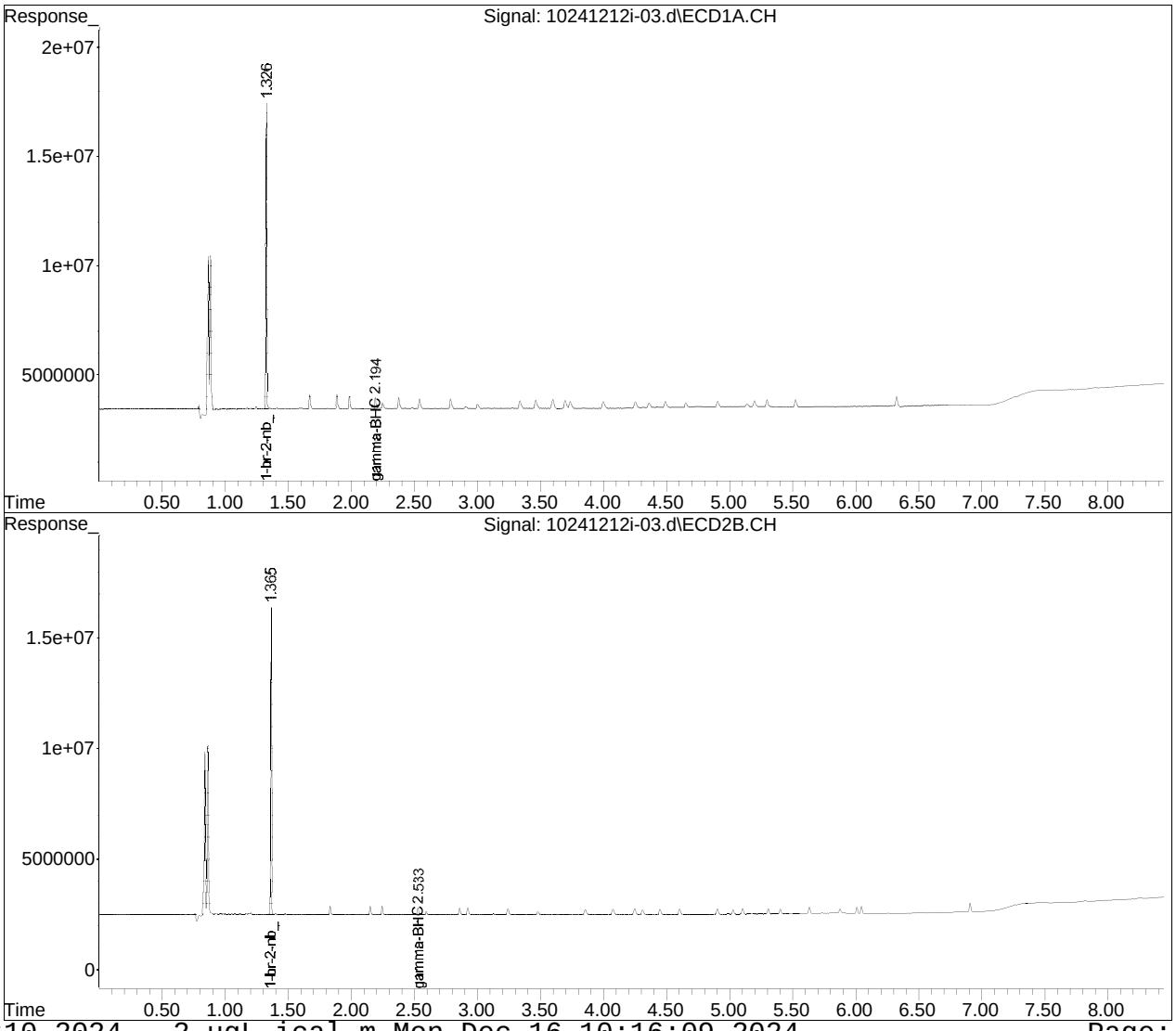
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 19:45
Operator : PEST10:ejl
Sample : il1pest,42e,,pp 11929 L0.0005
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 10:56:43 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 10:56:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

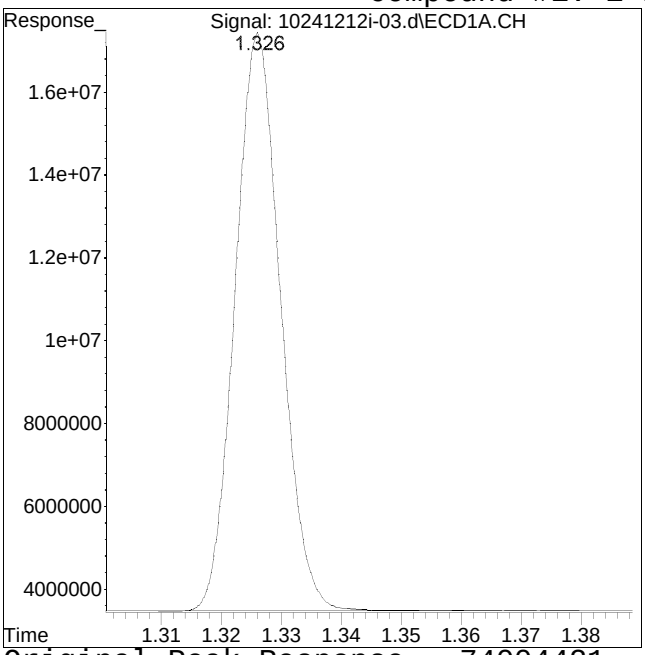
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



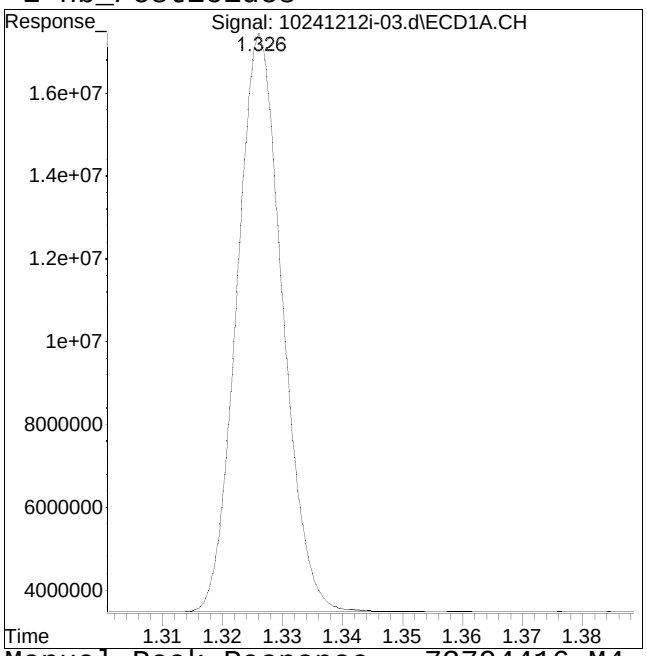
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-03.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 19:45 Instrument : Pest 10
Sample : il1pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:56 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 74004421



Manual Peak Response = 73794416 M4

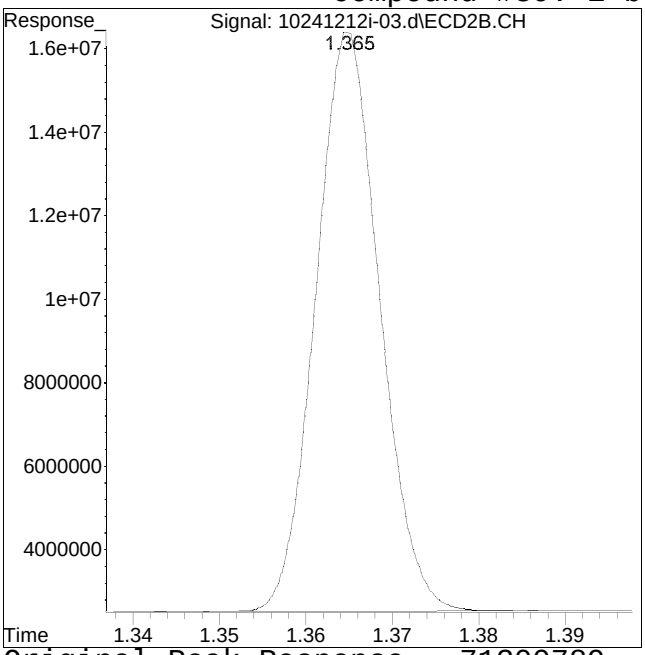
M4 = Poor automated baseline construction.

Manual Integration Report

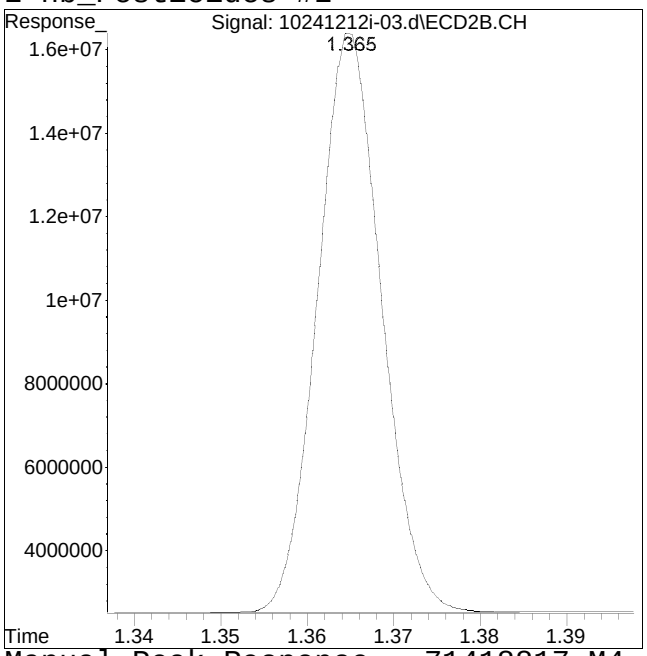
Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-03.d
Date Inj'd : 12/12/2024 19:45
Sample : il1pest,42e,,pp 11929 L0.0

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 10:56 am

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 71300789



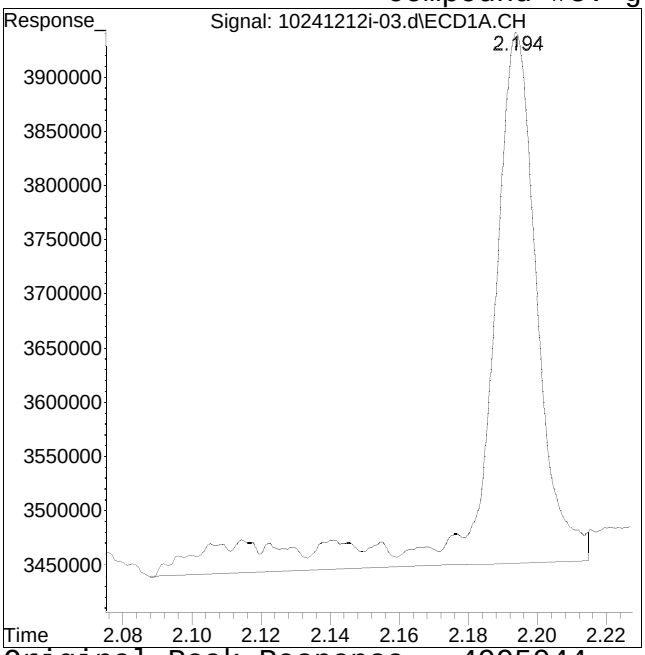
Manual Peak Response = 71418817 M4

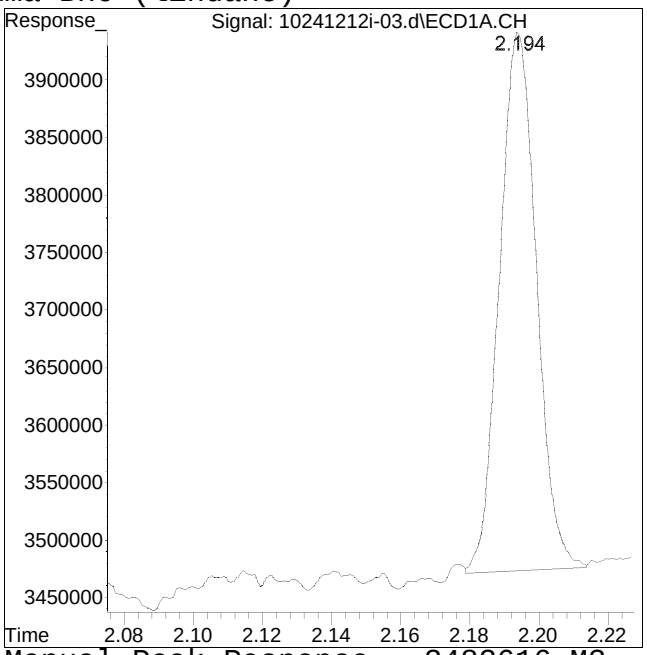
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-03.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 19:45 Instrument : Pest 10
Sample : il1pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:56 am

Compound #5: gamma-BHC (lindane)



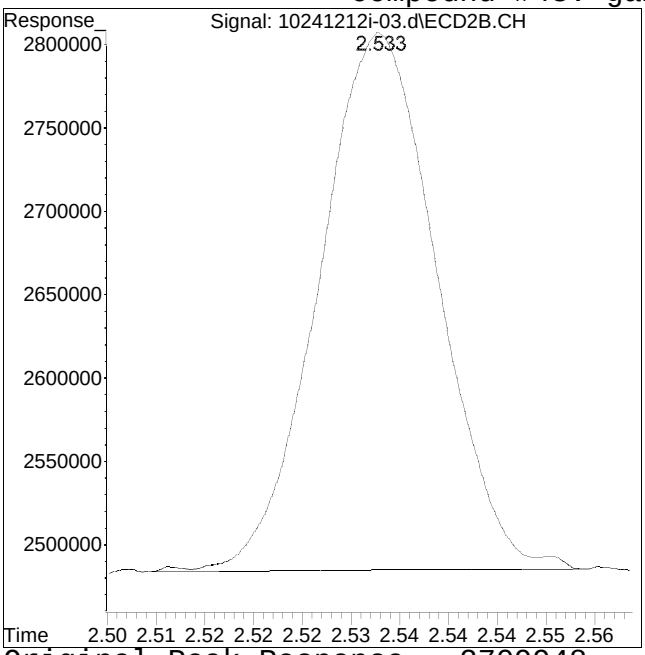


Original Peak Response = 4995044 Manual Peak Response = 3483616 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

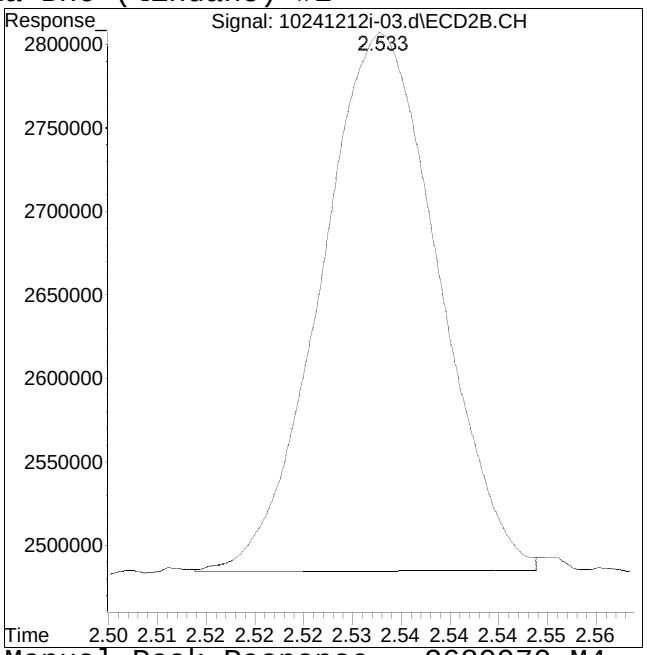
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-03.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 19:45 Instrument : Pest 10
Sample : il1pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:56 am

Compound #43: gamma-BHC (lindane) #2



Original Peak Response = 2709948



Manual Peak Response = 2689970 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 19:56
Operator : PEST10:ejl
Sample : il2pest,42e,,pp 11929 L0.001
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 10:50:45 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 10:50:36 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.326	1.365	78755183	73898788	25.000M3	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.673	1.837	7278192	4430044	1.276M4	1.121M3
	Spiked Amount 50.000	Range 30 - 150		Recovery =		2.55%#	2.24%#
27) s	Decachlorobi	6.325	6.908	7103589	5477528	1.348M4	1.225
	Spiked Amount 50.000	Range 30 - 150		Recovery =		2.70%#	2.45%#
	Target Compounds						
3) t	Hexachlorobe	1.888	2.155	8065752	5125299	1.338M4	1.177
4) t	alpha-BHC	1.987	2.249	6937928	5156672	1.210M3	0.987
5) t	gamma-BHC (l	2.192	2.532	6368408	4885590	1.257M3	1.019M4
6) t	beta-BHC	2.249	2.597	3212255	2492445	1.300M3	1.120M3
7) t	delta-BHC	2.378	2.863	6737410	4861924	1.255M3	0.992M4
8) t	Heptachlor	2.543	2.927	5959482	5014367	1.280M3	1.068M4
9) t	Aldrin	2.789	3.245	7021349	5199831	1.245M4	1.033M4
10) t	Alachlor	0.000	0.000	0	0	N.D.	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	3.337	3.858	6374589	5104462	1.278M4	1.085M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 19:56
Operator : PEST10:ejl
Sample : il2pest,42e,,pp 11929 L0.001
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 10:50:45 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 10:50:36 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
13)	t	gamma-Chlord	3.463	4.078	5998964	4655554	1.243M3	1.063M4
14)	t	alpha-Chlord	3.598	4.250	7262865	5439991	1.286M3	1.089
15)	t	4,4'-DDE	3.696	4.449	7196280	4966120	1.226M4	0.993M4
16)	t	Endosulfan I	3.736	4.311	6282238	4803748	1.255M4	1.058M4
17)	t	Dieldrin	3.998	4.605	6532095	4864412	1.250M4	1.038M4
18)	t	Endrin	4.253	4.904	6001527	4764175	1.227M4	1.029M3
19)	t	4,4'-DDD	4.360	5.029	4501452	3709693	1.230M3	1.014M4
20)	t	Endosulfan I	4.491	5.105	5682908	4526000	1.231M3	1.077
21)	t	4,4'-DDT	4.653	5.308	4127354	4073605	1.160M4	1.029
22)	t	Endrin Aldeh	4.906	5.404	4647611	3692646	1.192M4	1.045M4
23)	t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)	t	Mirex	5.198	6.010	5059112	4475769	1.310M4	1.188
25)	t	Endosulfan S	5.297	5.633	5609486	4395997	1.293M3	1.115
26)	t	Endrin Keton	5.523	6.047	5737335	4979734	1.307M4	1.121
29)	l1	chlordane-1	0.000	0.000	0	0	N.D.	N.D.
30)	l1	chlordane-3	0.000	0.000	0	0	N.D.	N.D.
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32)	l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum	chlordane-1			0	0	N.D.	N.D.
Average		chlordane-1					0.000	0.000

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 19:56
Operator : PEST10:ejl
Sample : il2pest,42e,,pp 11929 L0.001
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 10:50:45 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 10:50:36 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

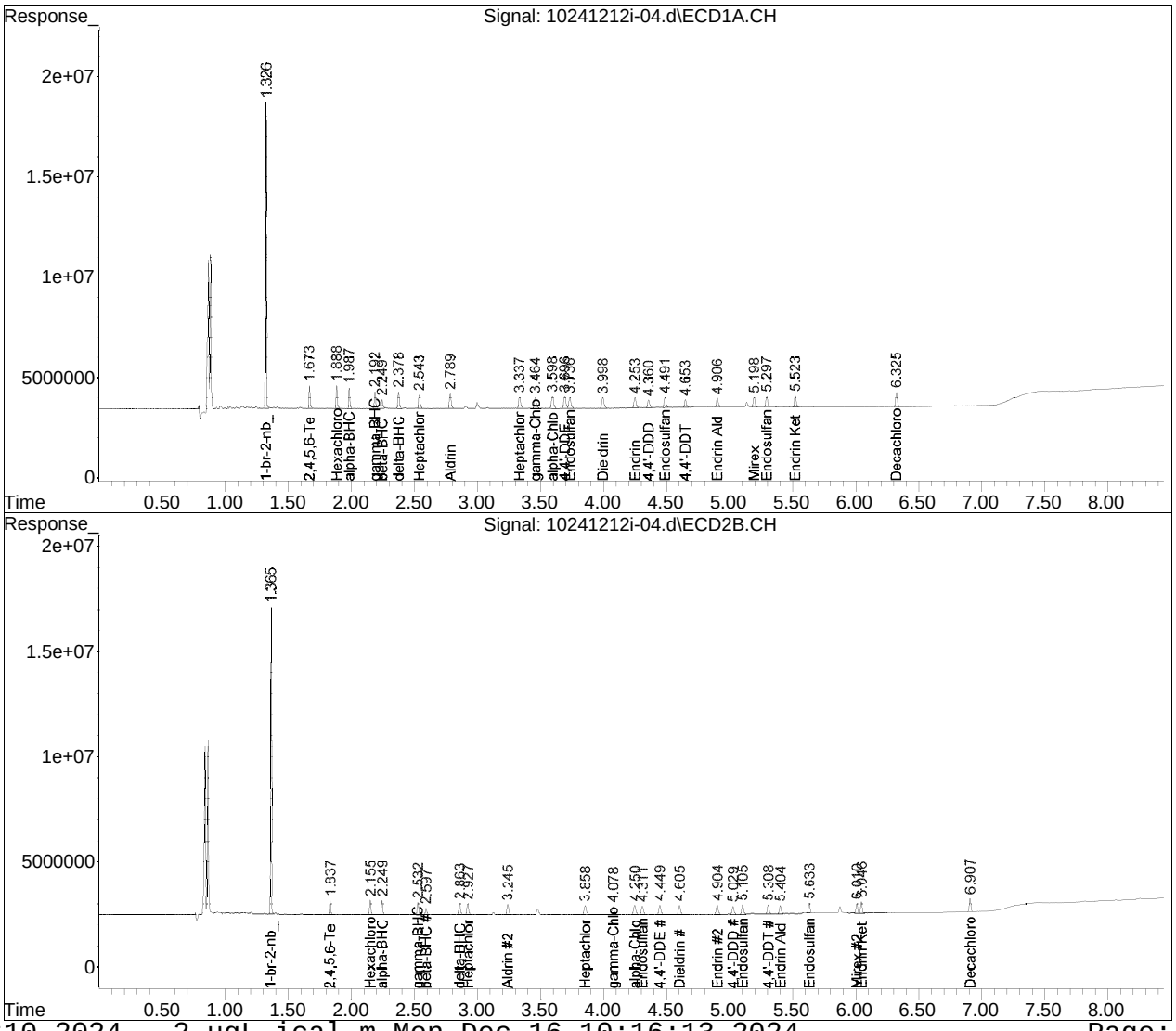
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 19:56
Operator : PEST10:ejl
Sample : il2pest,42e,,pp 11929 L0.001
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 10:50:45 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 10:50:36 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

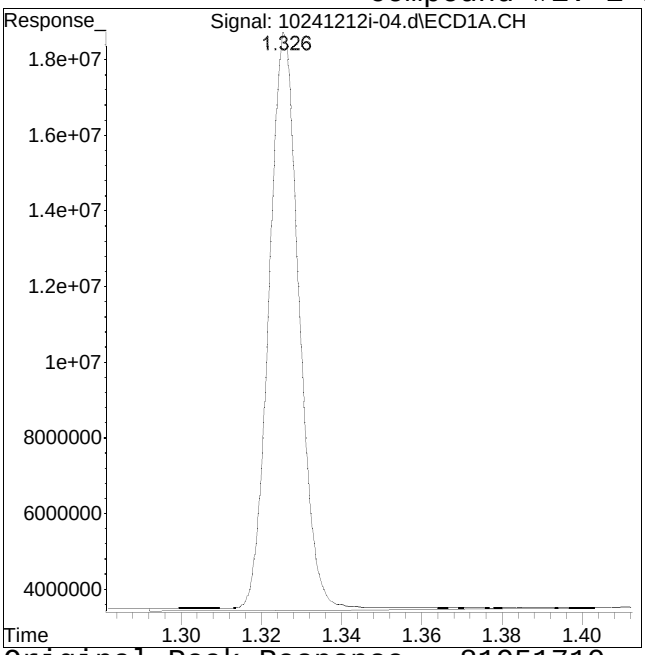


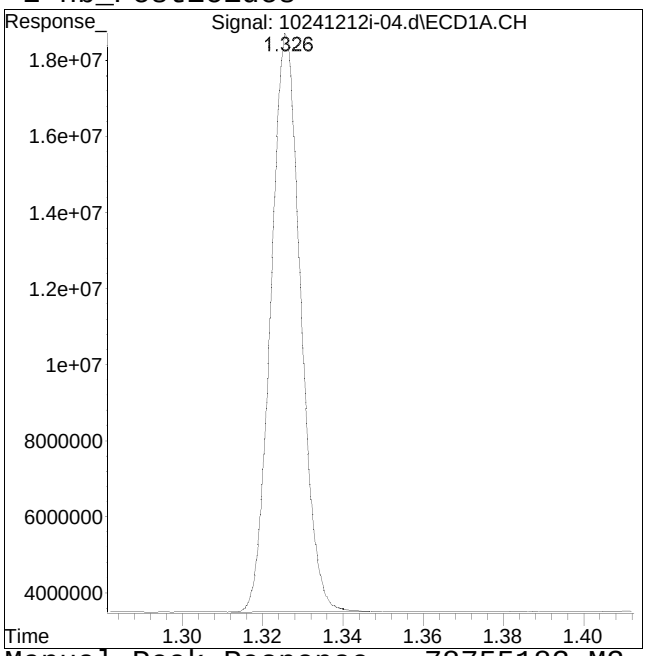
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-04.d
Date Inj'd : 12/12/2024 19:56
Sample : il2pest,42e,,pp 11929 L0.0

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 10:50 am

Compound #1: 1-br-2-nb_Pesticides



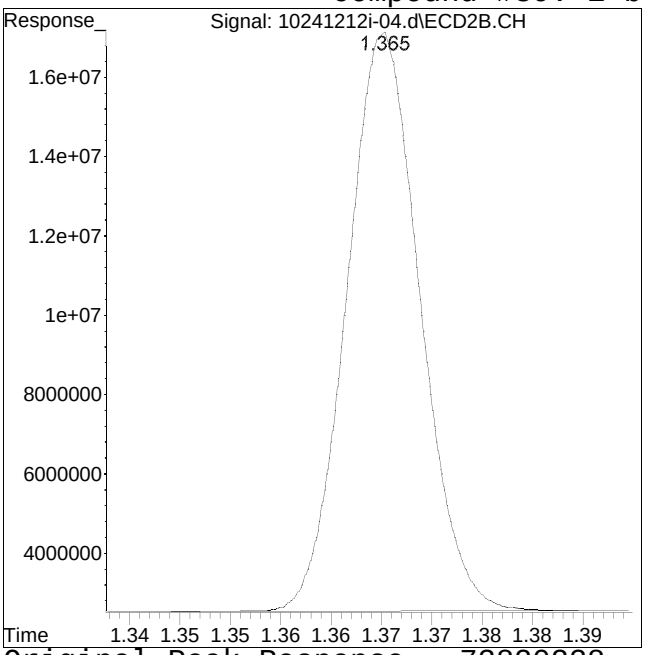


Original Peak Response = 81951710 Manual Peak Response = 78755183 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

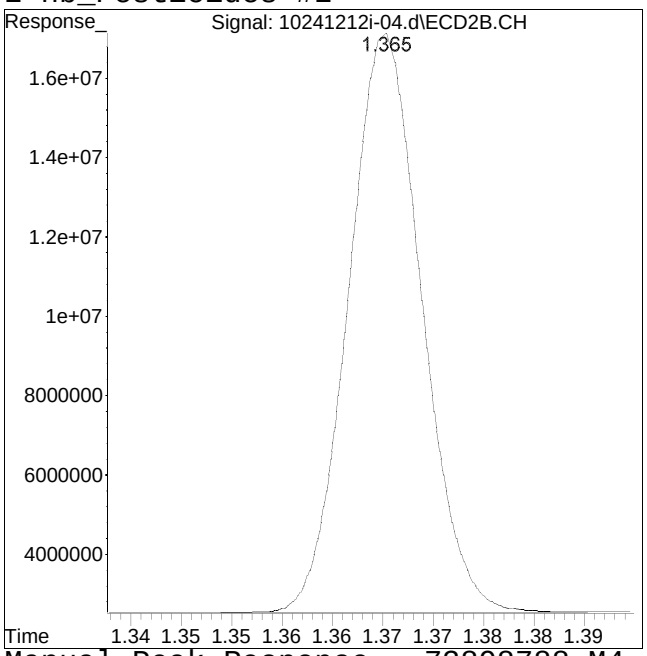
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-04.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 19:56 Instrument : Pest 10
Sample : il2pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:50 am

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 73820238



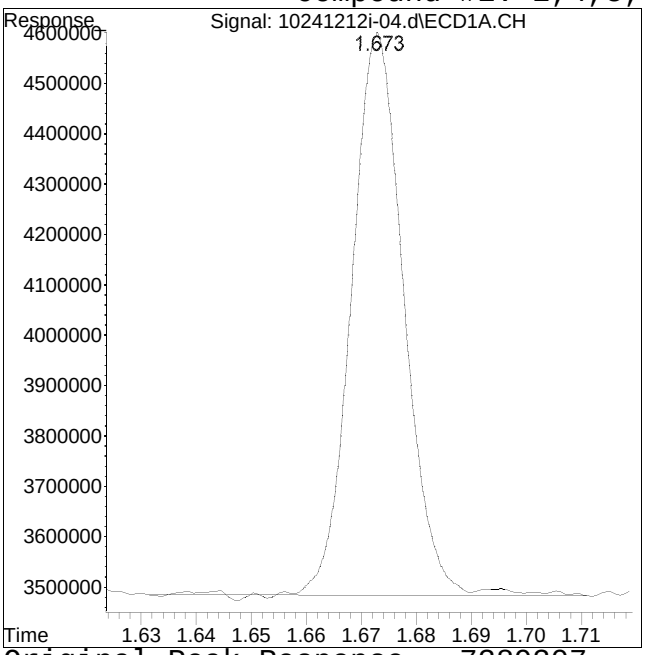
Manual Peak Response = 73898788 M4

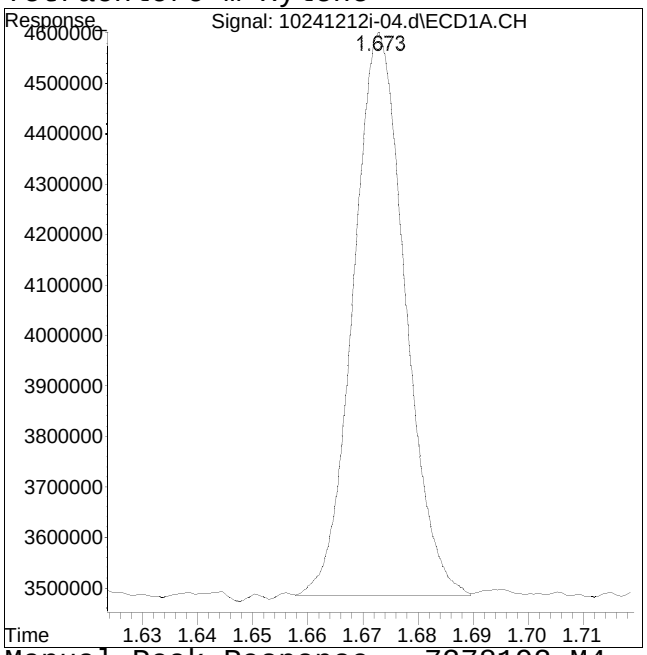
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-04.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 19:56 Instrument : Pest 10
Sample : il2pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:50 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



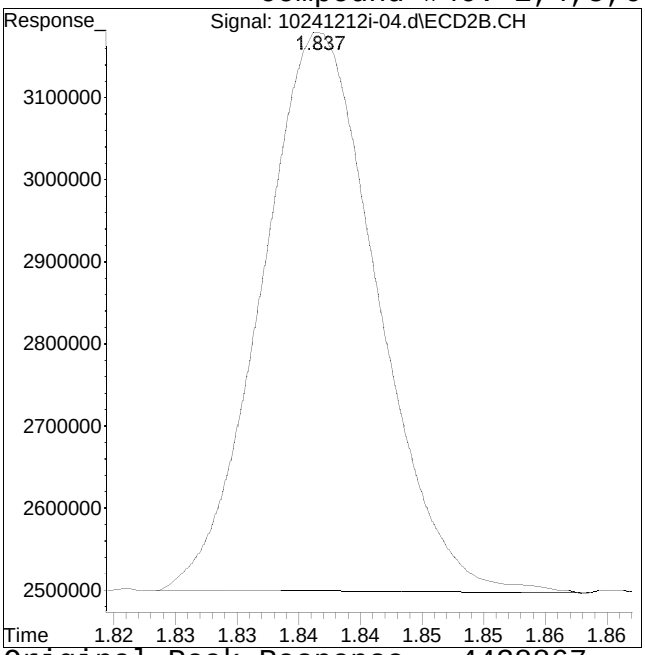


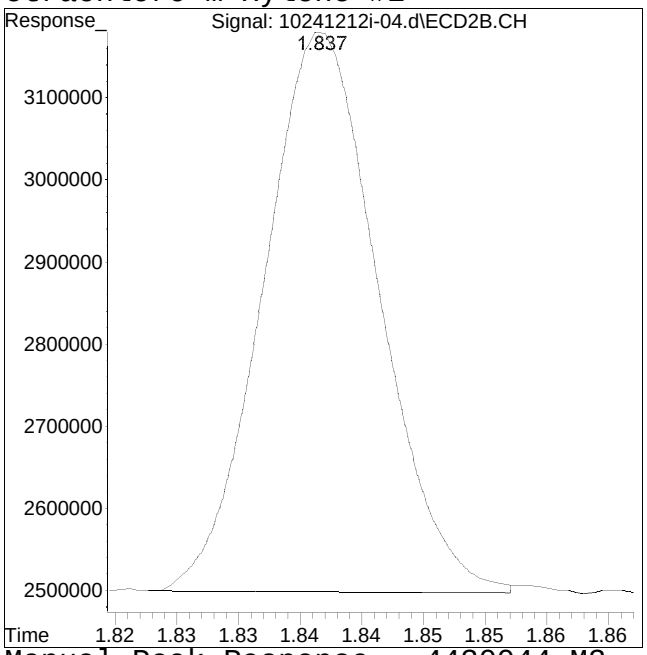
Original Peak Response = 7389307 Manual Peak Response = 7278192 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-04.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 19:56 Instrument : Pest 10
Sample : il2pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:50 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2





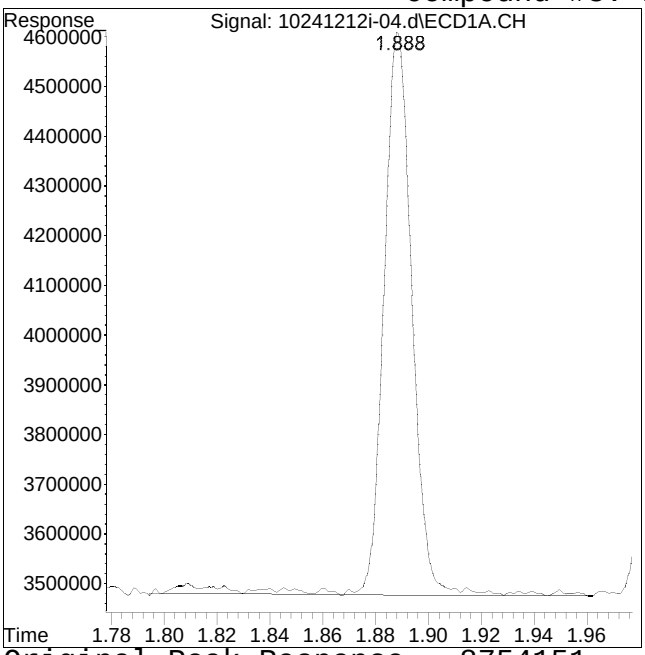
Original Peak Response = 4438867 Manual Peak Response = 4430044 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

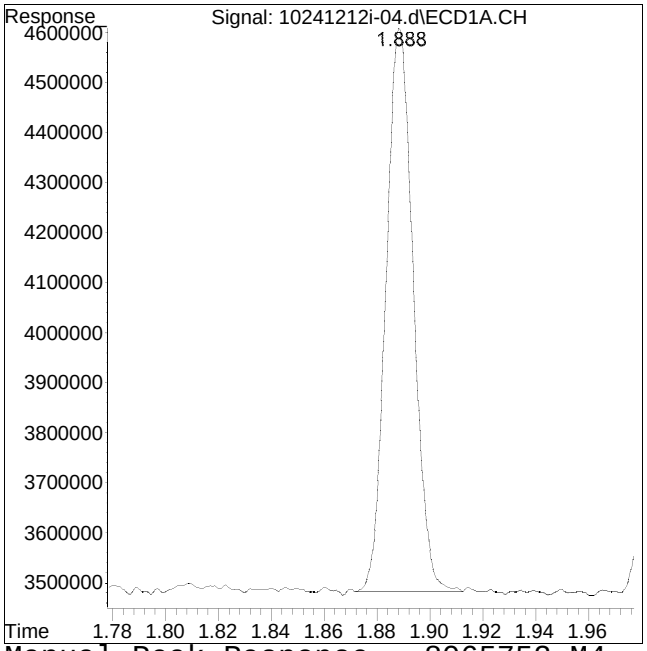
Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-04.d
Date Inj'd : 12/12/2024 19:56
Sample : il2pest,42e,,pp 11929 L0.0

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 10:50 am

Compound #3: Hexachlorobenzene



Original Peak Response = 8754151



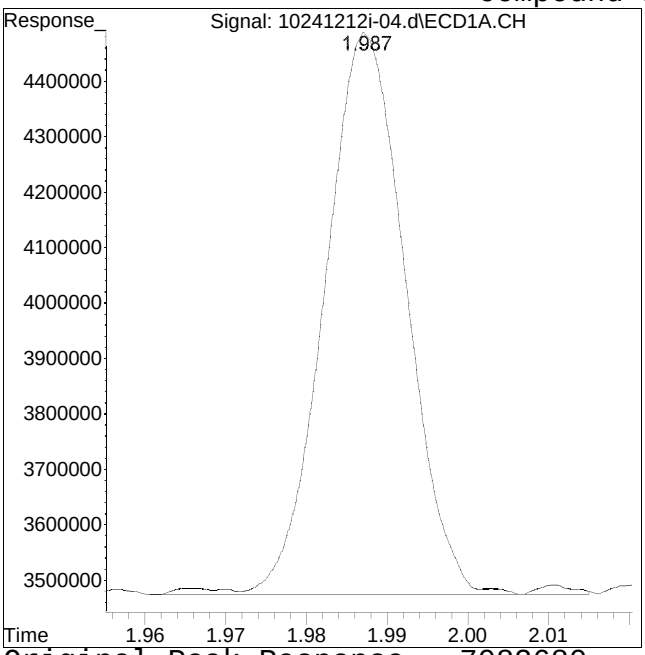
Manual Peak Response = 8065752 M4

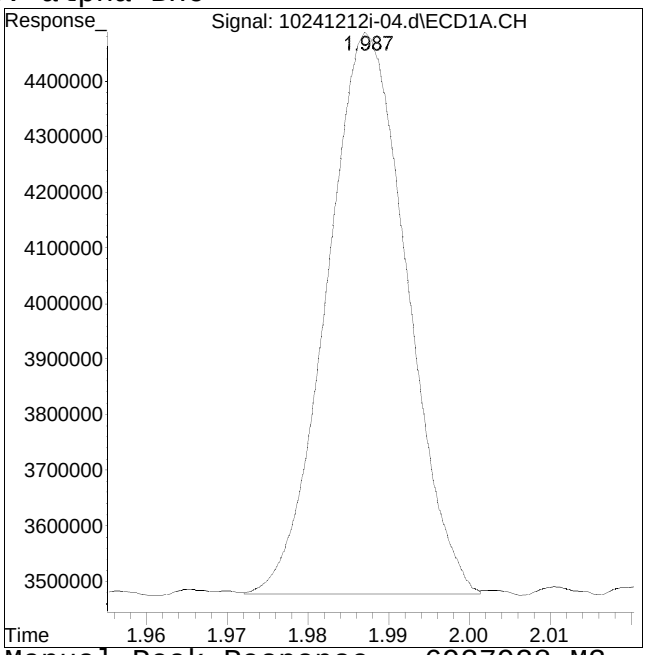
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-04.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 19:56 Instrument : Pest 10
Sample : il2pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:50 am

Compound #4: alpha-BHC



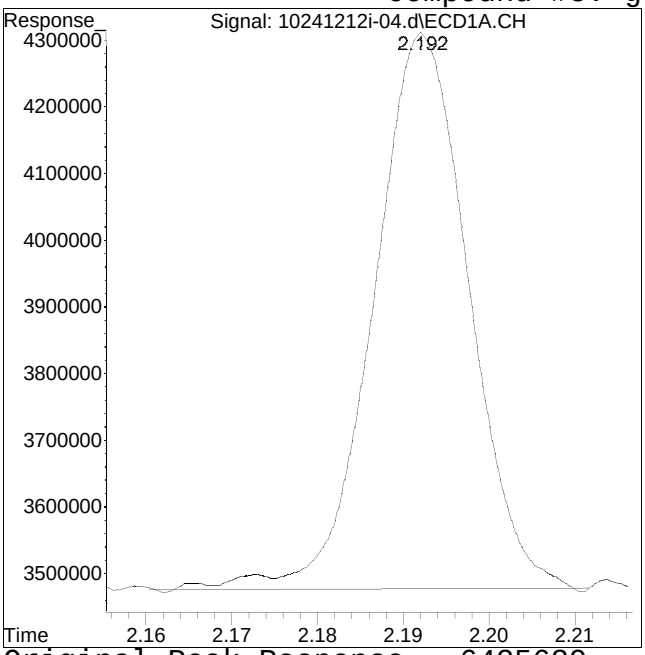


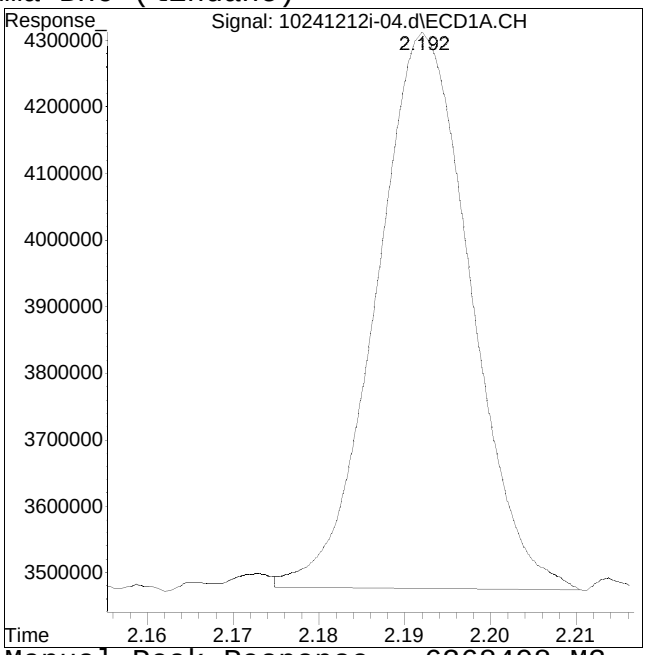
Original Peak Response = 7082680 Manual Peak Response = 6937928 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-04.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 19:56 Instrument : Pest 10
Sample : il2pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:50 am

Compound #5: gamma-BHC (lindane)



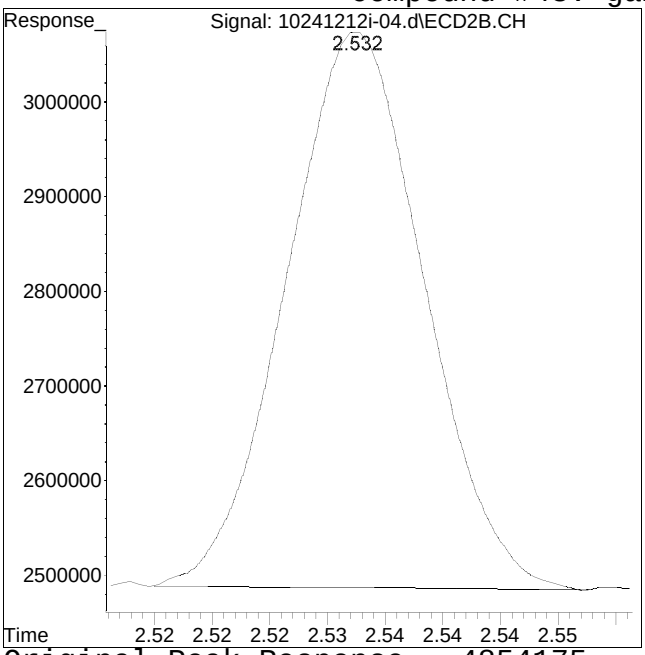


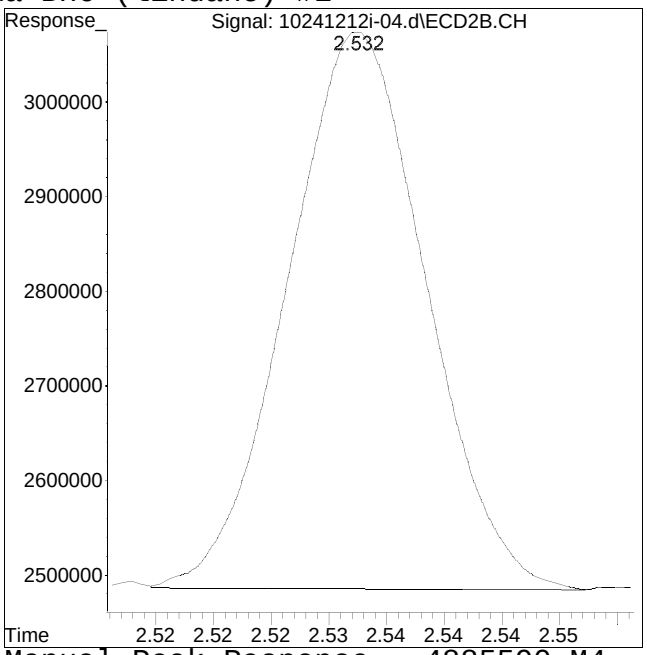
Original Peak Response = 6425629 Manual Peak Response = 6368408 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-04.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 19:56 Instrument : Pest 10
Sample : il2pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:50 am

Compound #43: gamma-BHC (lindane) #2



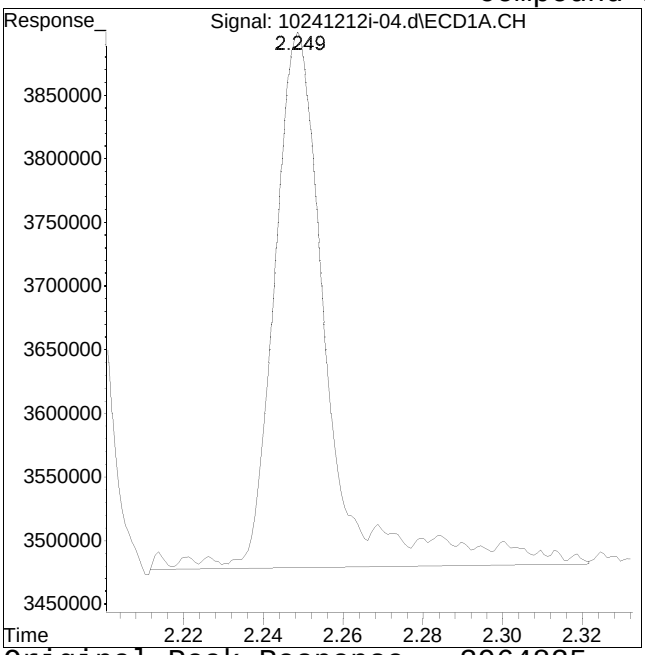


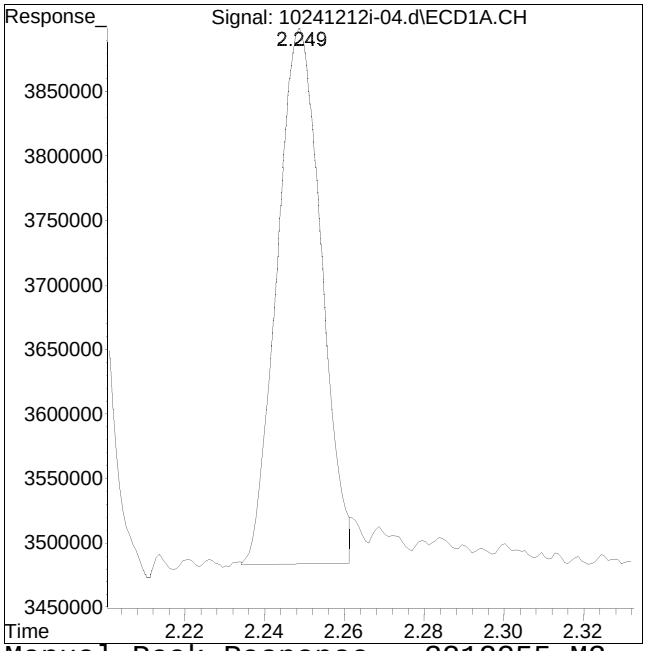
Original Peak Response = 4854175 Manual Peak Response = 4885590 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-04.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 19:56 Instrument : Pest 10
Sample : il2pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:50 am

Compound #6: beta-BHC



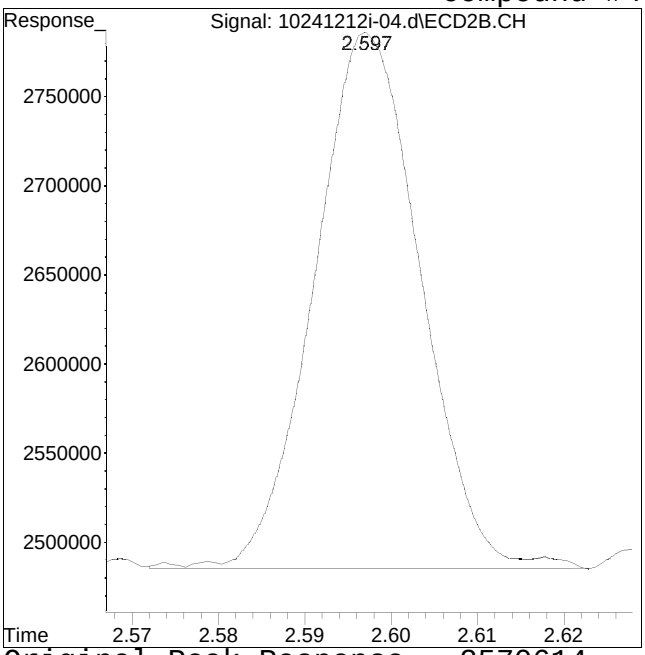


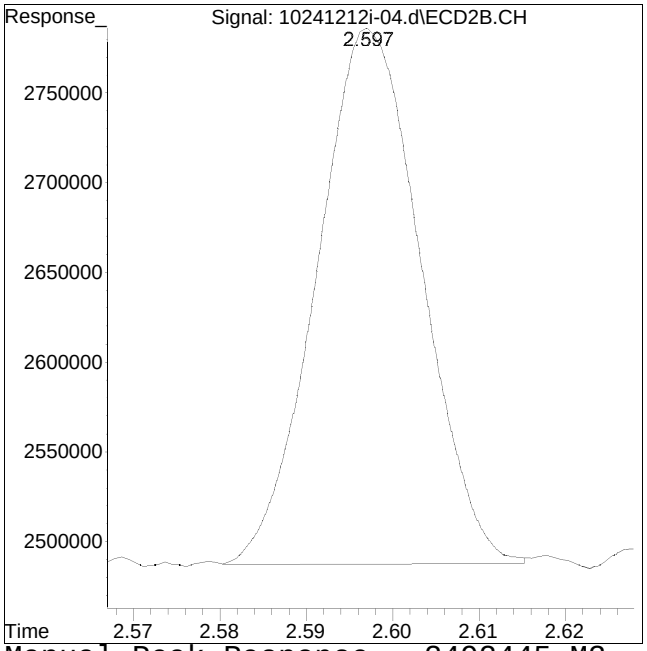
Original Peak Response = 3964825 Manual Peak Response = 3212255 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-04.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 19:56 Instrument : Pest 10
Sample : il2pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:50 am

Compound #44: beta-BHC #2



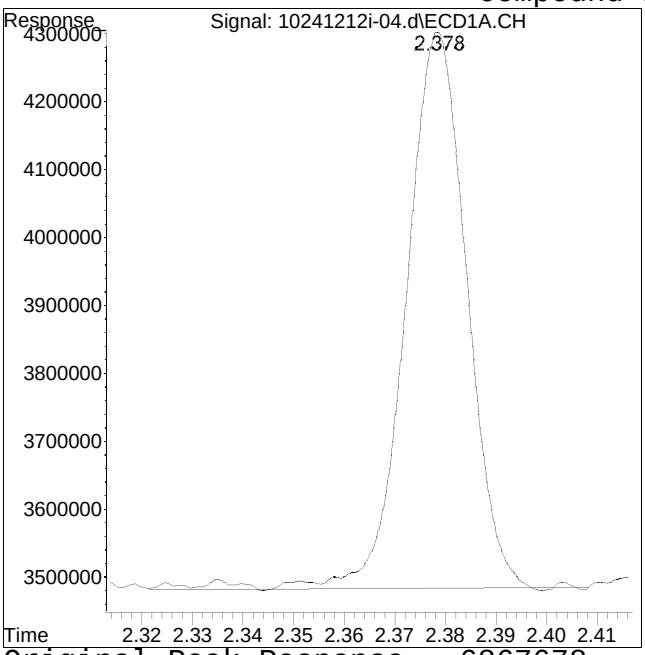


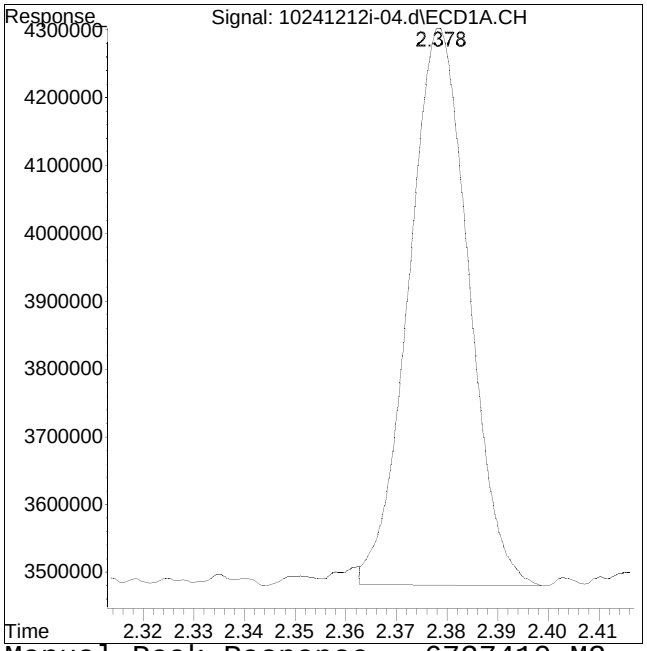
Original Peak Response = 2570614 Manual Peak Response = 2492445 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-04.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 19:56 Instrument : Pest 10
Sample : il2pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:50 am

Compound #7: delta-BHC



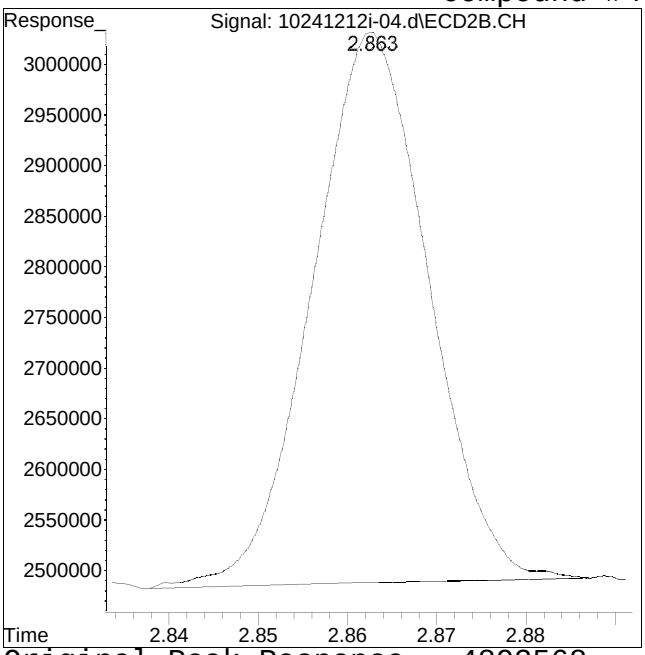


Original Peak Response = 6867678 Manual Peak Response = 6737410 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

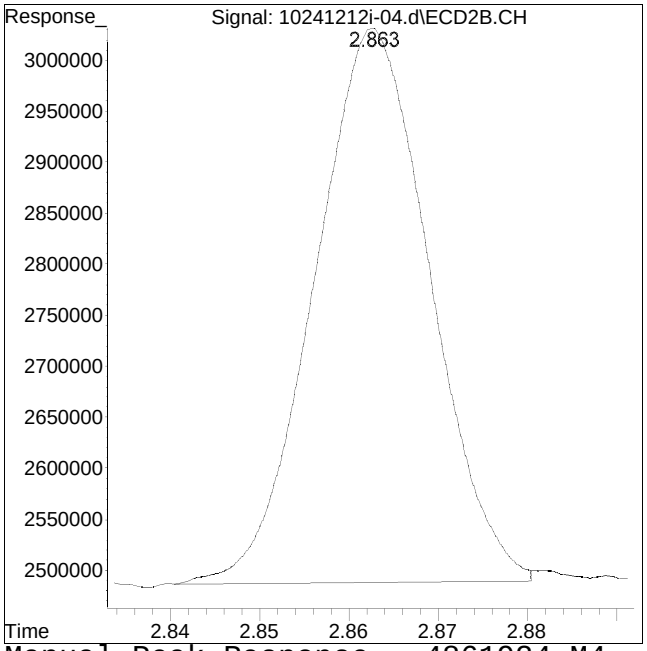
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-04.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 19:56 Instrument : Pest 10
Sample : il2pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:50 am

Compound #45: delta-BHC #2



Original Peak Response = 4893568



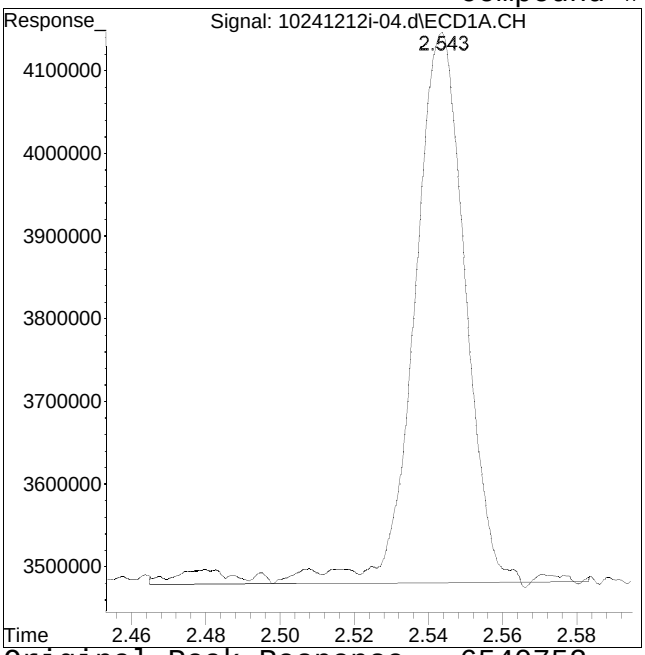
Manual Peak Response = 4861924 M4

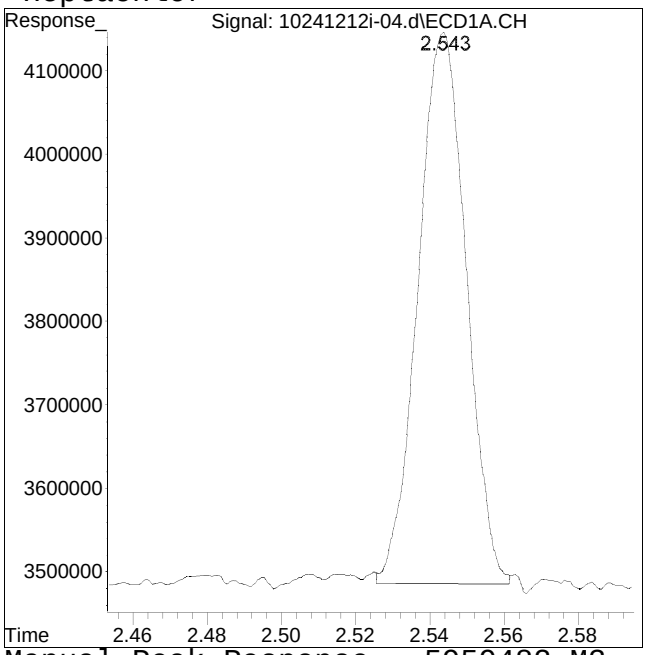
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-04.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 19:56 Instrument : Pest 10
Sample : il2pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:50 am

Compound #8: Heptachlor



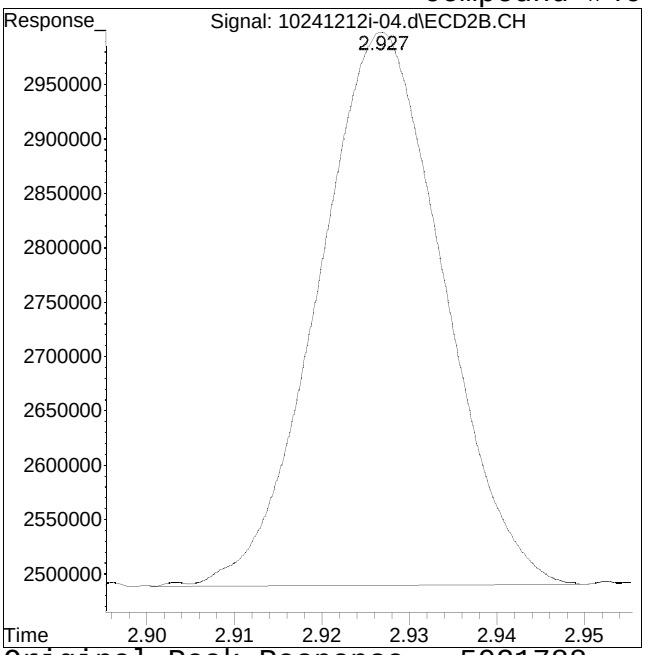


Original Peak Response = 6540752 Manual Peak Response = 5959482 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

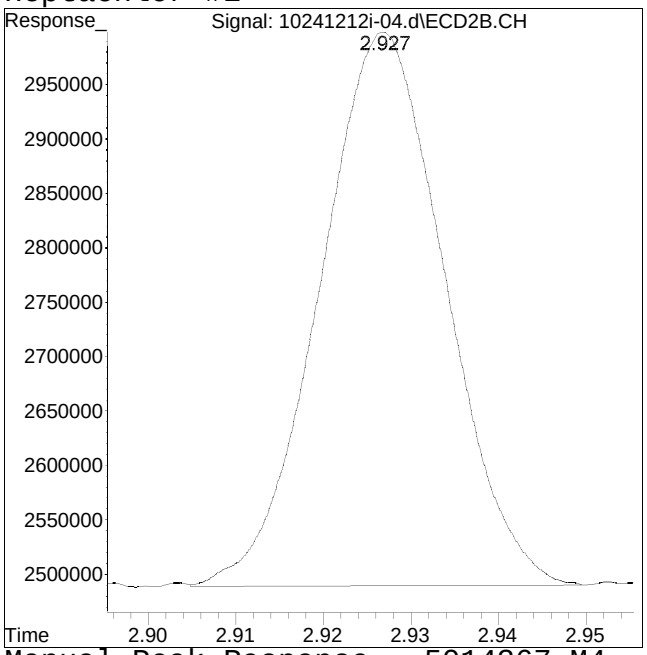
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-04.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 19:56 Instrument : Pest 10
Sample : il2pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:50 am

Compound #46: Heptachlor #2



Original Peak Response = 5021788



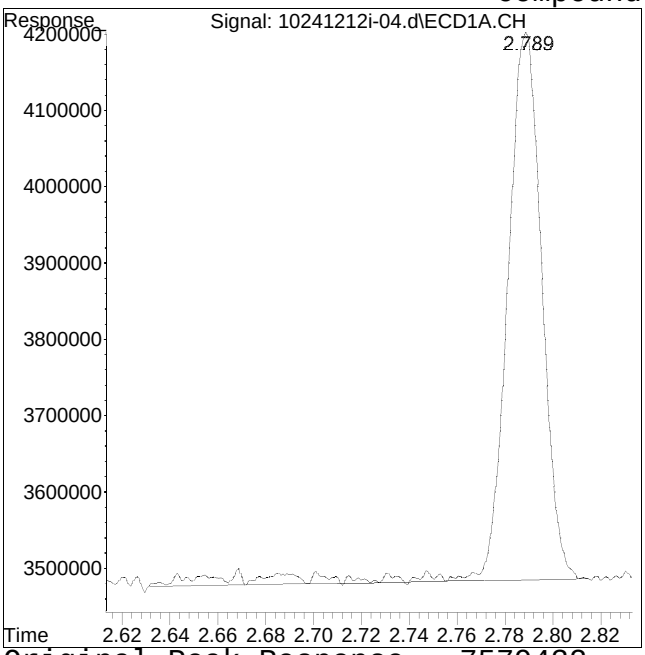
Manual Peak Response = 5014367 M4

M4 = Poor automated baseline construction.

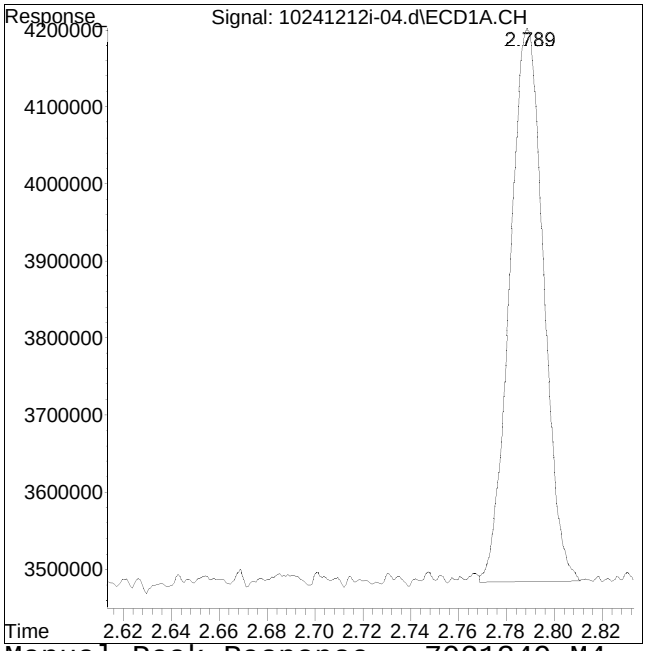
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-04.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 19:56 Instrument : Pest 10
Sample : il2pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:50 am

Compound #9: Aldrin



Original Peak Response = 7579432



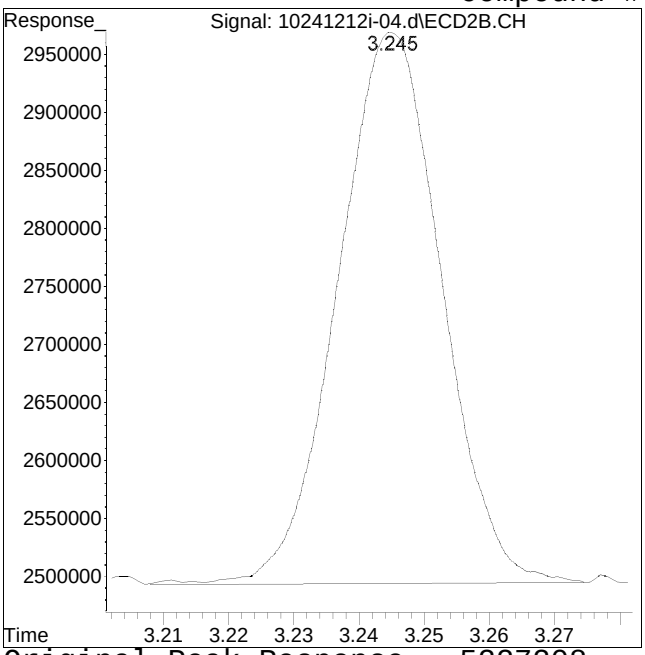
Manual Peak Response = 7021349 M4

M4 = Poor automated baseline construction.

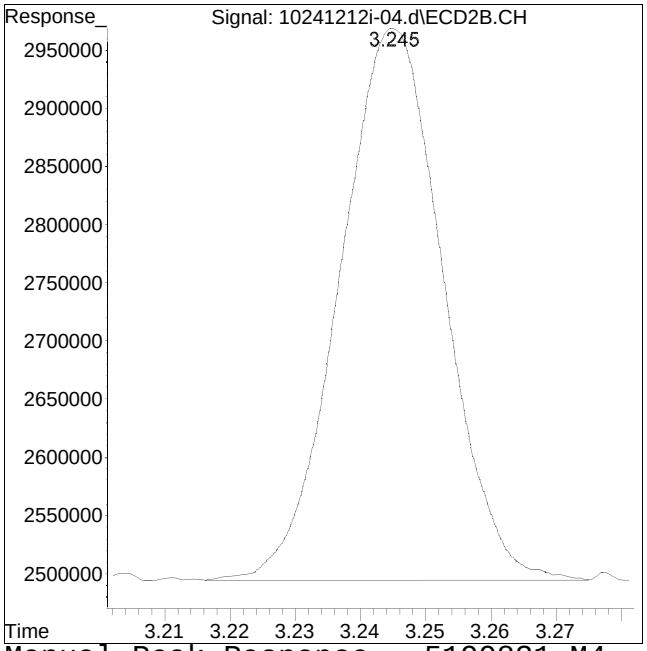
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-04.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 19:56 Instrument : Pest 10
Sample : il2pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:50 am

Compound #47: Aldrin #2



Original Peak Response = 5227208



Manual Peak Response = 5199831 M4

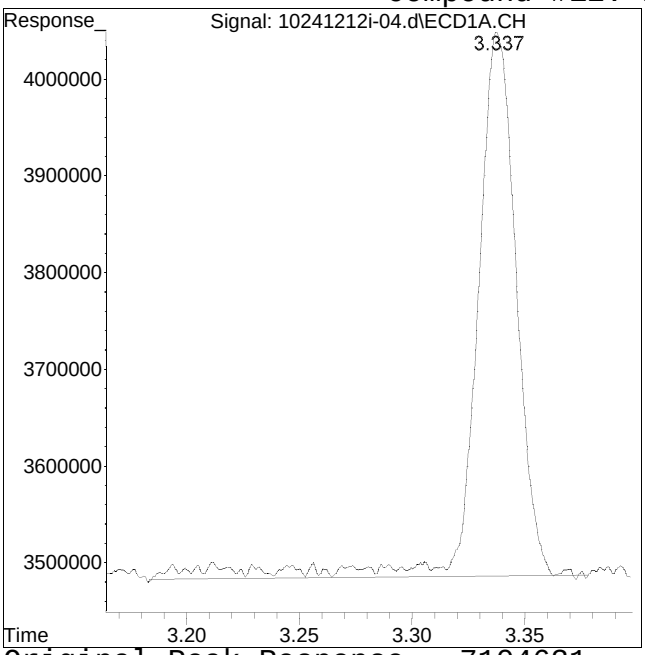
M4 = Poor automated baseline construction.

Manual Integration Report

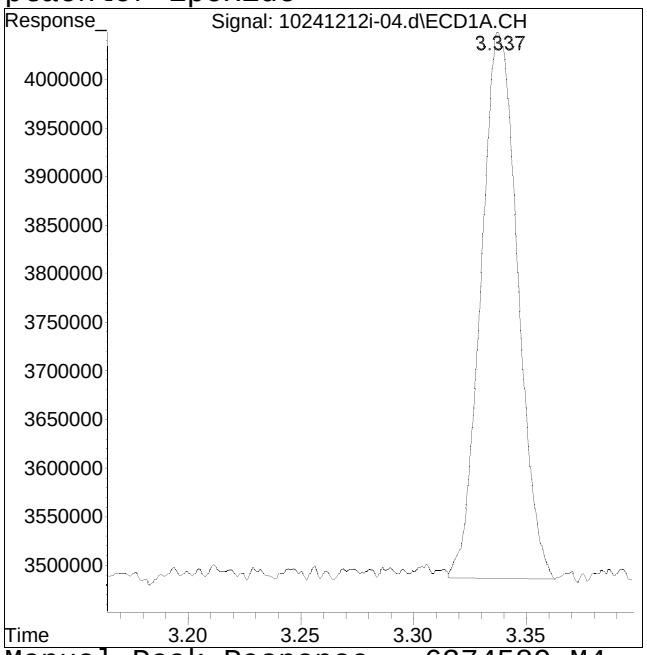
Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-04.d
Date Inj'd : 12/12/2024 19:56
Sample : il2pest,42e,,pp 11929 L0.0

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 10:50 am

Compound #12: Heptachlor Epoxide



Original Peak Response = 7104631



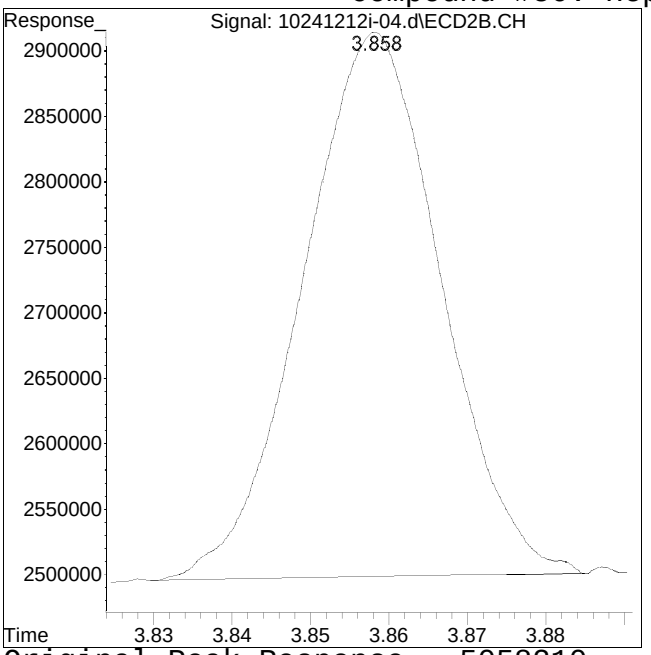
Manual Peak Response = 6374589 M4

M4 = Poor automated baseline construction.

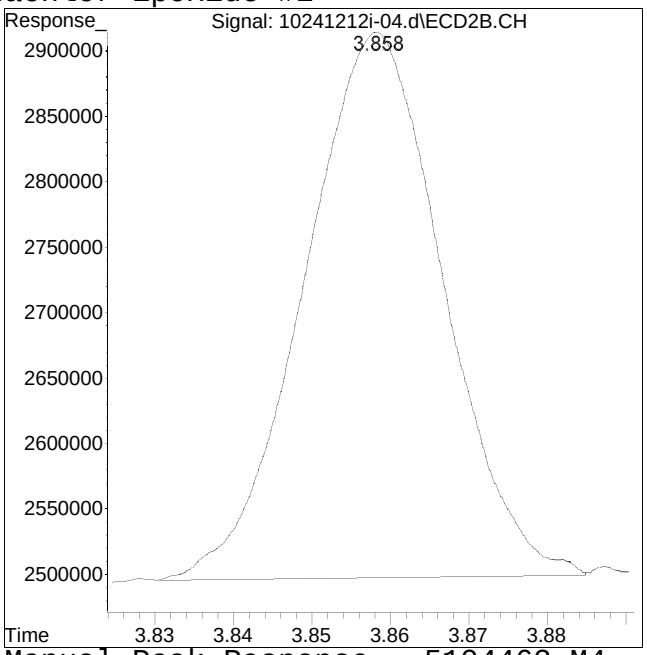
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-04.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 19:56 Instrument : Pest 10
Sample : il2pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:50 am

Compound #50: Heptachlor Epoxide #2



Original Peak Response = 5058210



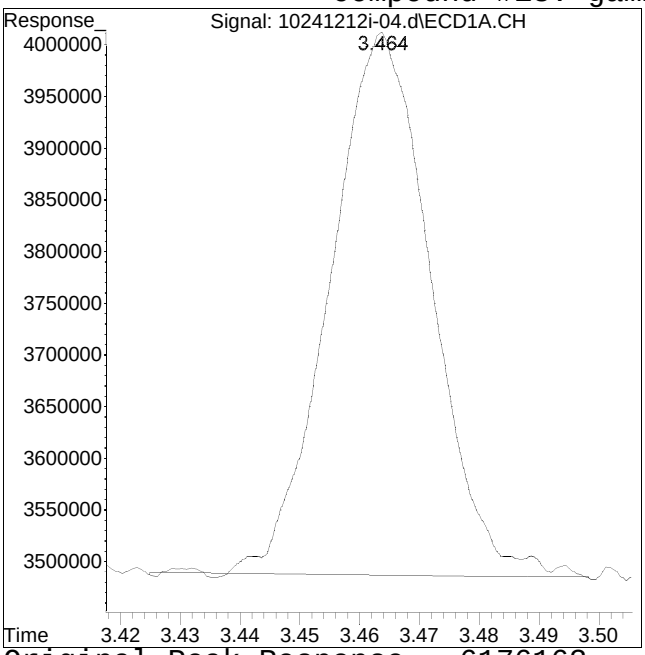
Manual Peak Response = 5104462 M4

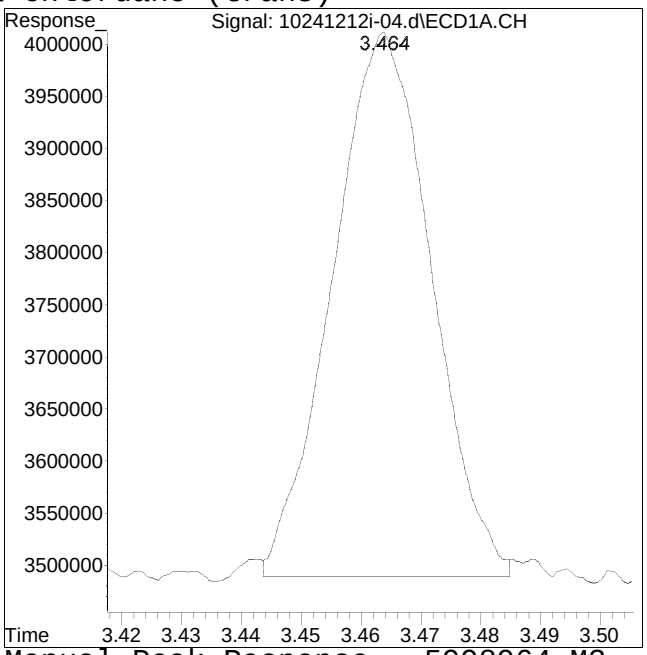
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-04.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 19:56 Instrument : Pest 10
Sample : il2pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:50 am

Compound #13: gamma-Chlordane (trans)



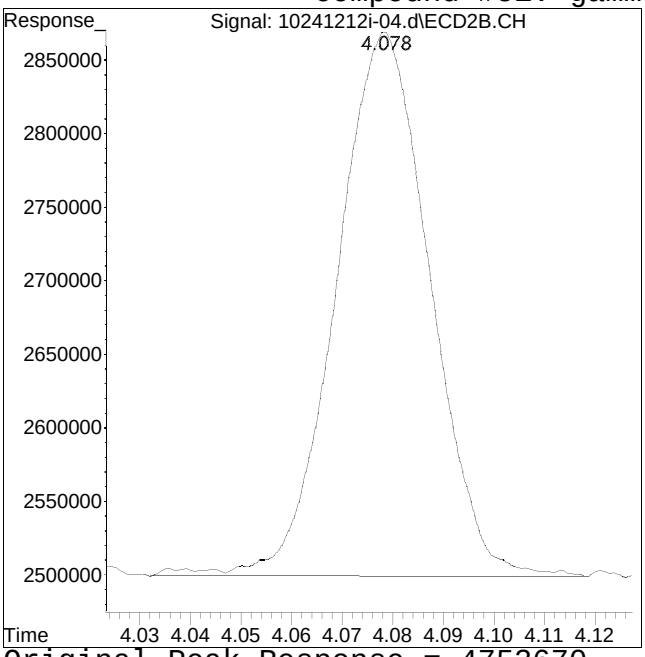


Original Peak Response = 6176163 Manual Peak Response = 5998964 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

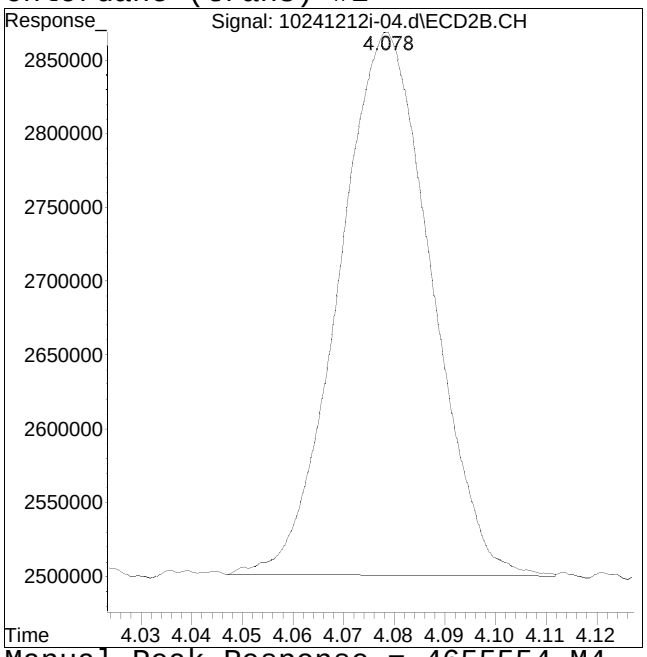
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-04.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 19:56 Instrument : Pest 10
Sample : il2pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:50 am

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 4753670



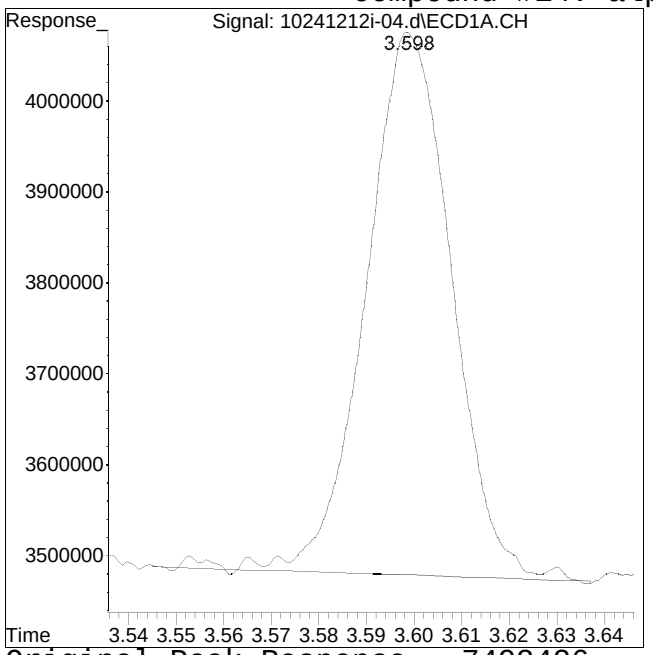
Manual Peak Response = 4655554 M4

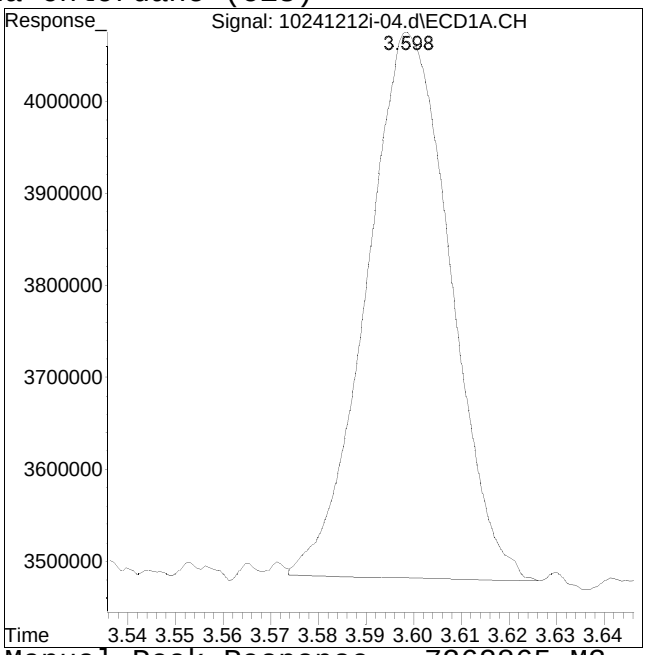
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-04.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 19:56 Instrument : Pest 10
Sample : il2pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:50 am

Compound #14: alpha-Chlordane (cis)



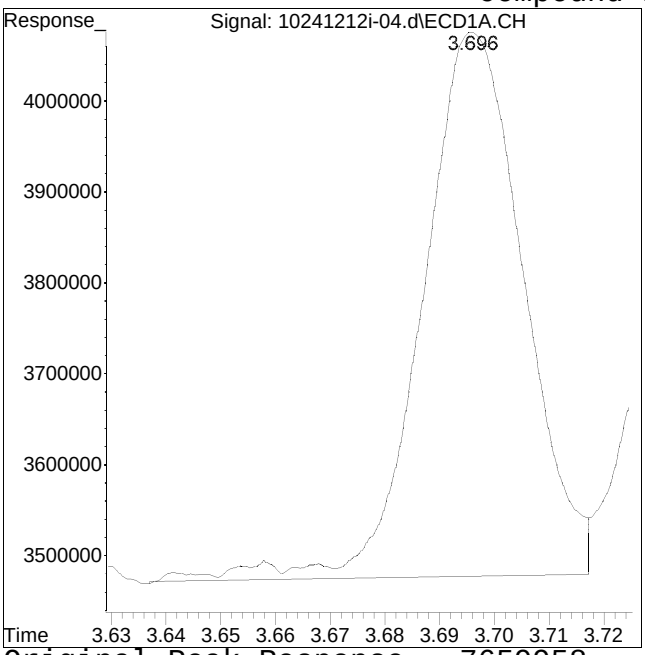


Original Peak Response = 7492426 Manual Peak Response = 7262865 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

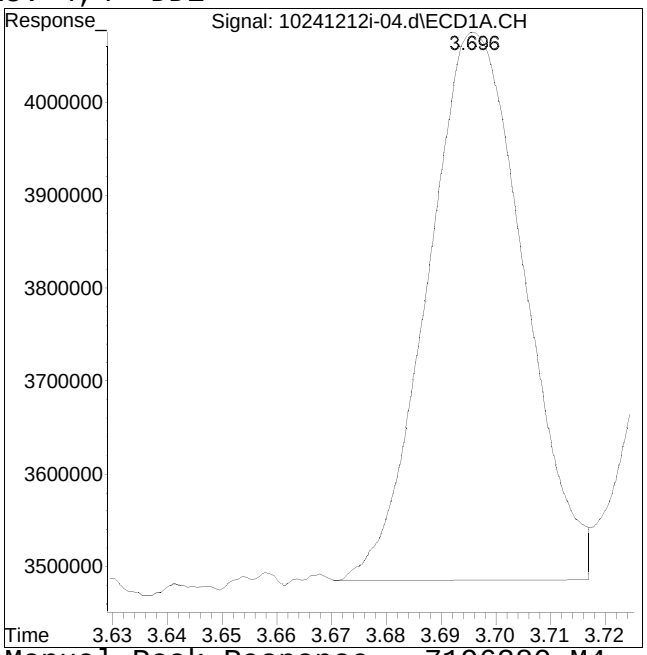
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-04.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 19:56 Instrument : Pest 10
Sample : il2pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:50 am

Compound #15: 4,4'-DDE



Original Peak Response = 7659958



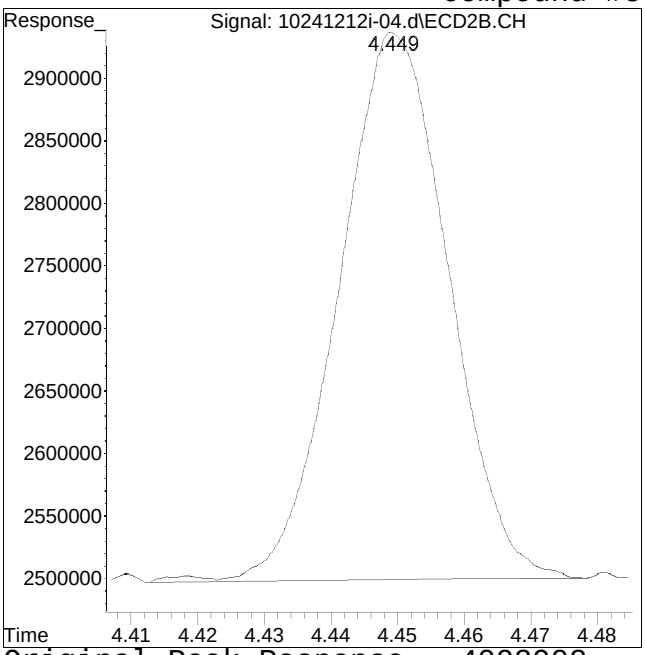
Manual Peak Response = 7196280 M4

M4 = Poor automated baseline construction.

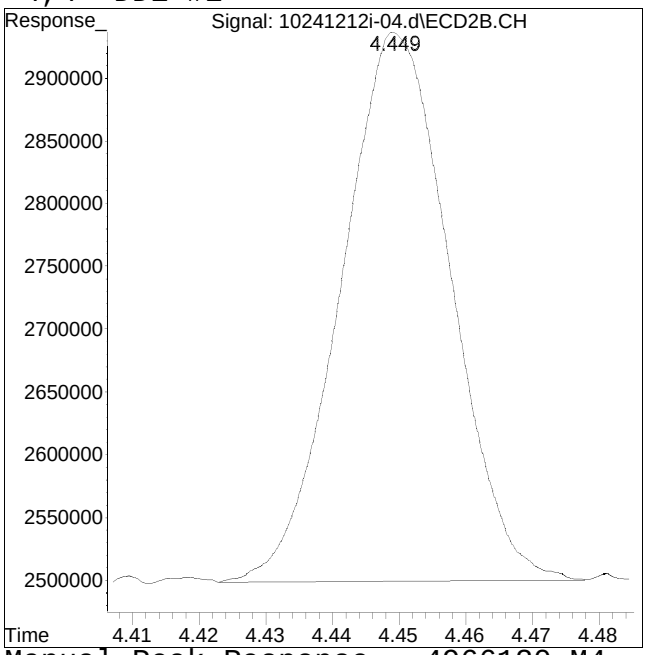
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-04.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 19:56 Instrument : Pest 10
Sample : il2pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:50 am

Compound #53: 4,4'-DDE #2



Original Peak Response = 4993902



Manual Peak Response = 4966120 M4

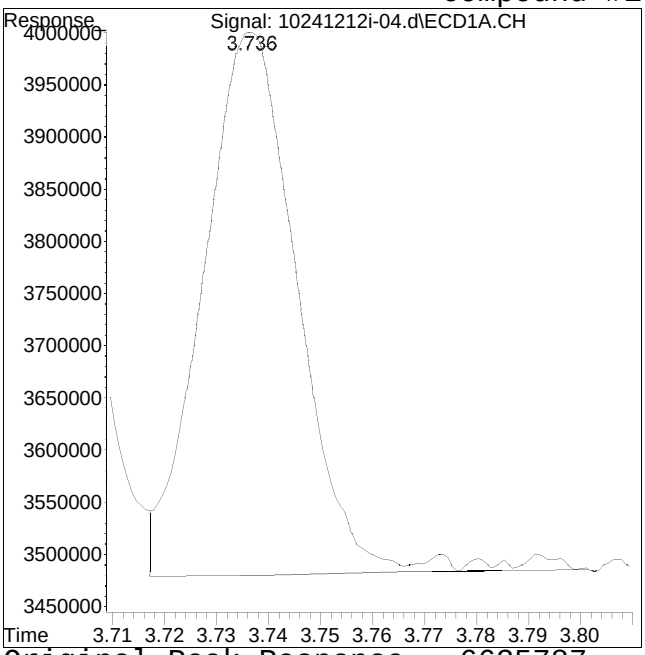
M4 = Poor automated baseline construction.

Manual Integration Report

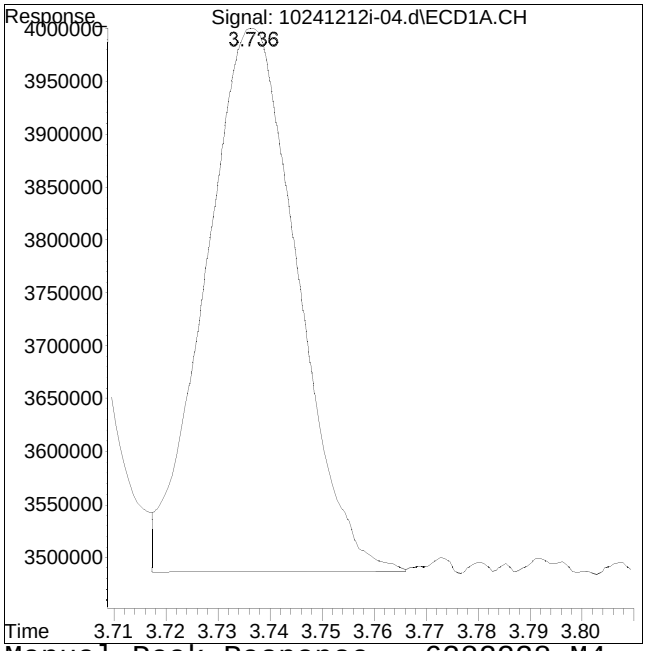
Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-04.d
Date Inj'd : 12/12/2024 19:56
Sample : il2pest,42e,,pp 11929 L0.0

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 10:50 am

Compound #16: Endosulfan I



Original Peak Response = 6635787



Manual Peak Response = 6282238 M4

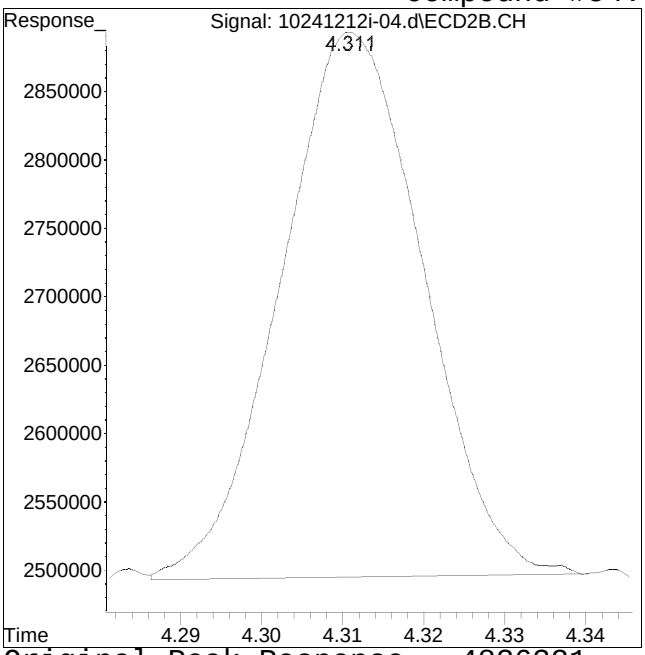
M4 = Poor automated baseline construction.

Manual Integration Report

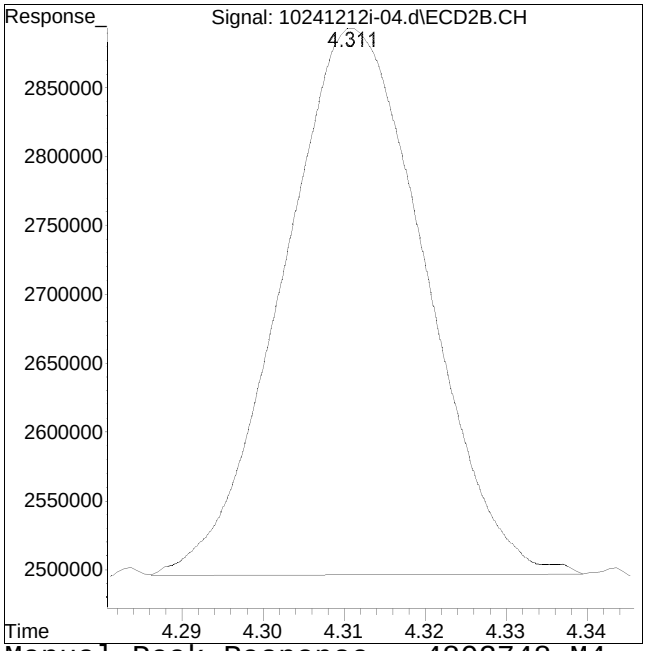
Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-04.d
Date Inj'd : 12/12/2024 19:56
Sample : il2pest,42e,,pp 11929 L0.0

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 10:50 am

Compound #54: Endosulfan I #2



Original Peak Response = 4836321



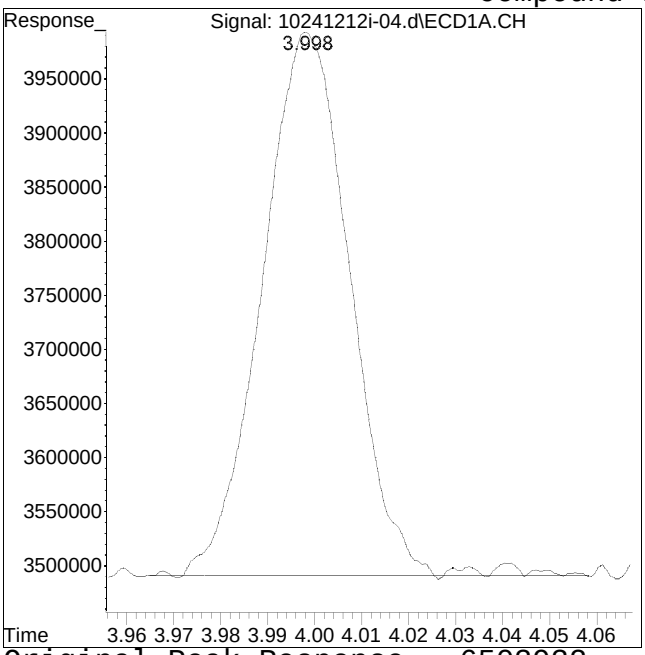
Manual Peak Response = 4803748 M4

M4 = Poor automated baseline construction.

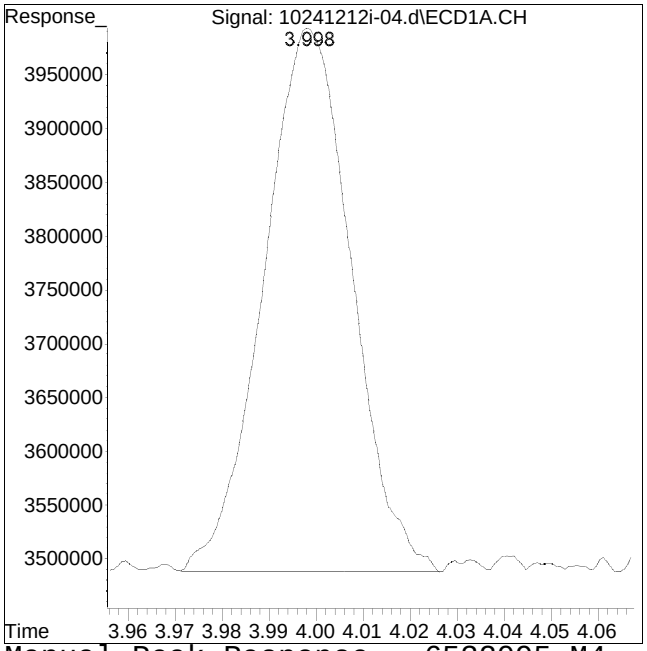
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-04.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 19:56 Instrument : Pest 10
Sample : il2pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:50 am

Compound #17: Dieldrin



Original Peak Response = 6503932



Manual Peak Response = 6532095 M4

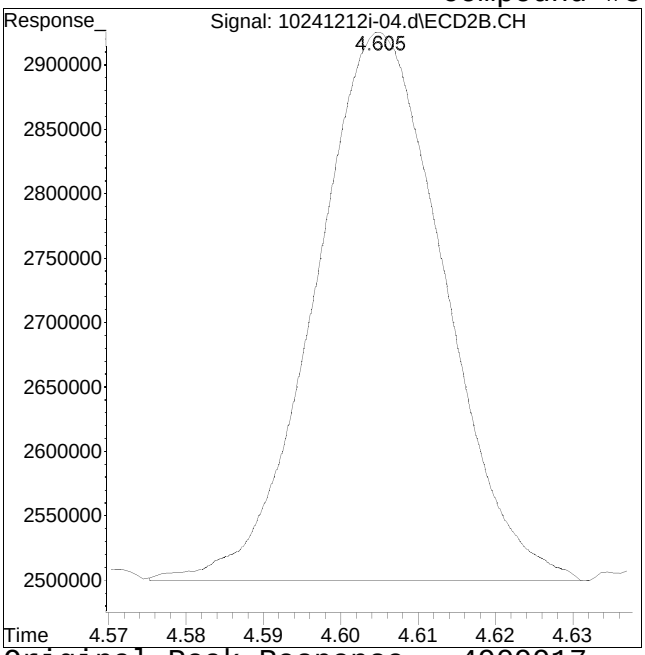
M4 = Poor automated baseline construction.

Manual Integration Report

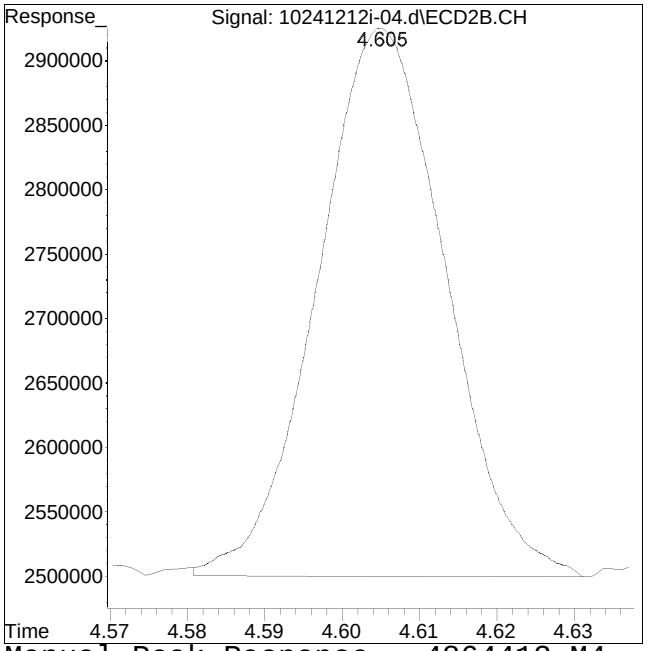
Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-04.d
Date Inj'd : 12/12/2024 19:56
Sample : il2pest,42e,,pp 11929 L0.0

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 10:50 am

Compound #55: Dieldrin #2



Original Peak Response = 4909917



Manual Peak Response = 4864412 M4

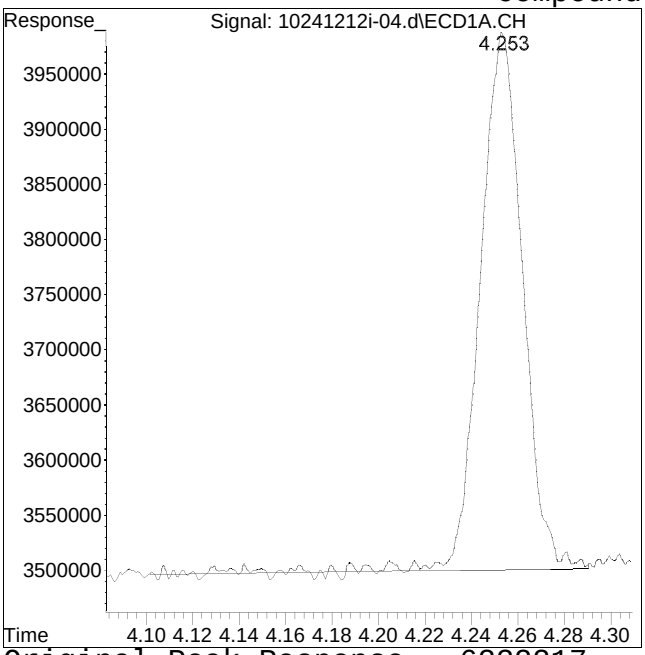
M4 = Poor automated baseline construction.

Manual Integration Report

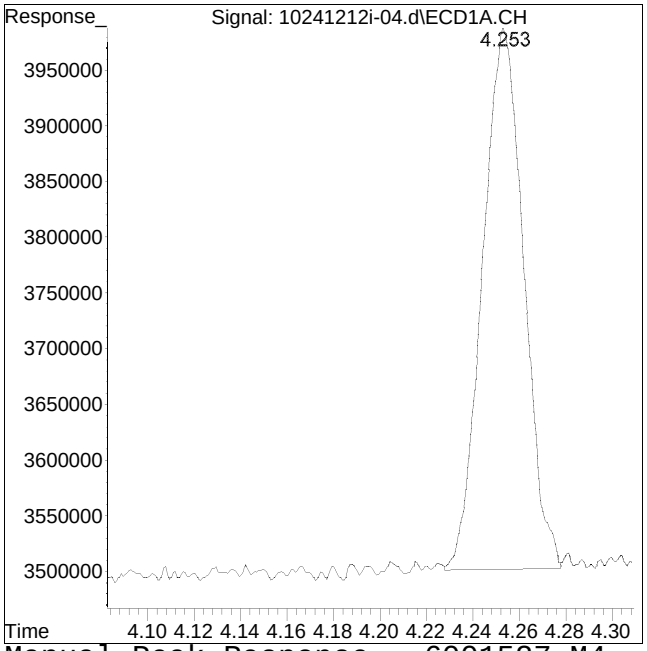
Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-04.d
Date Inj'd : 12/12/2024 19:56
Sample : il2pest,42e,,pp 11929 L0.0

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 10:50 am

Compound #18: Endrin



Original Peak Response = 6232217



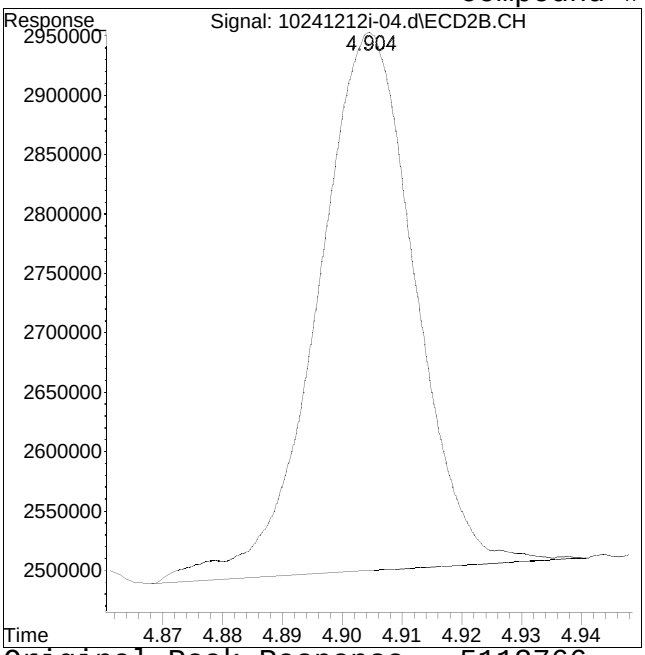
Manual Peak Response = 6001527 M4

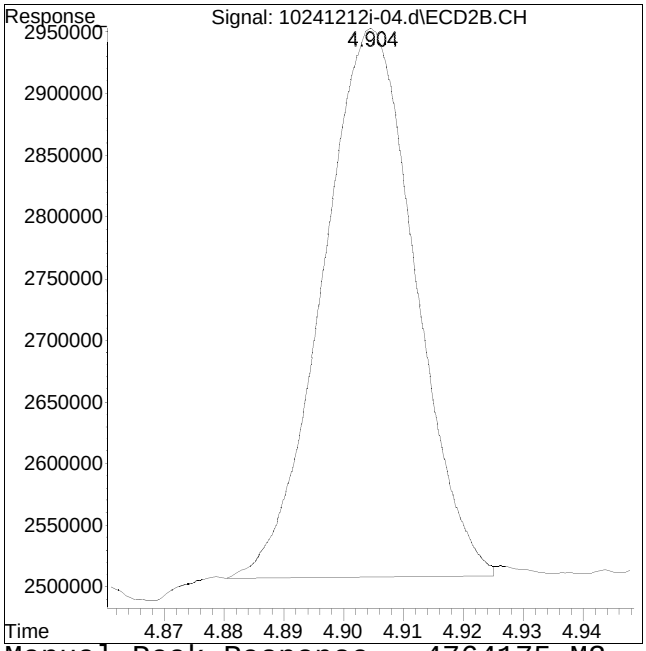
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-04.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 19:56 Instrument : Pest 10
Sample : il2pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:50 am

Compound #56: Endrin #2



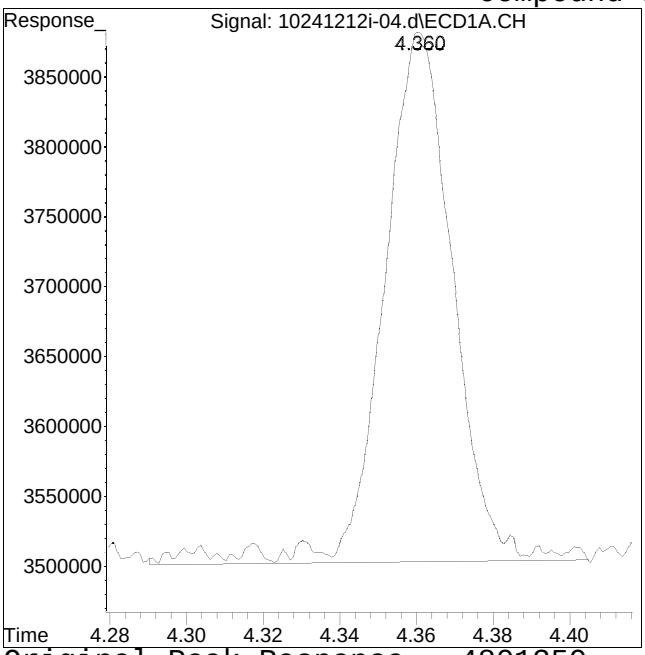


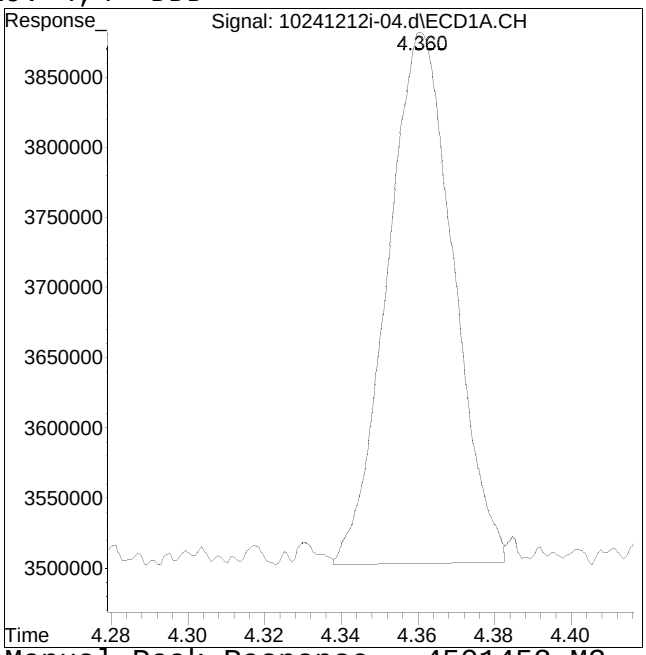
Original Peak Response = 5113766 Manual Peak Response = 4764175 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-04.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 19:56 Instrument : Pest 10
Sample : il2pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:50 am

Compound #19: 4,4'-DDD



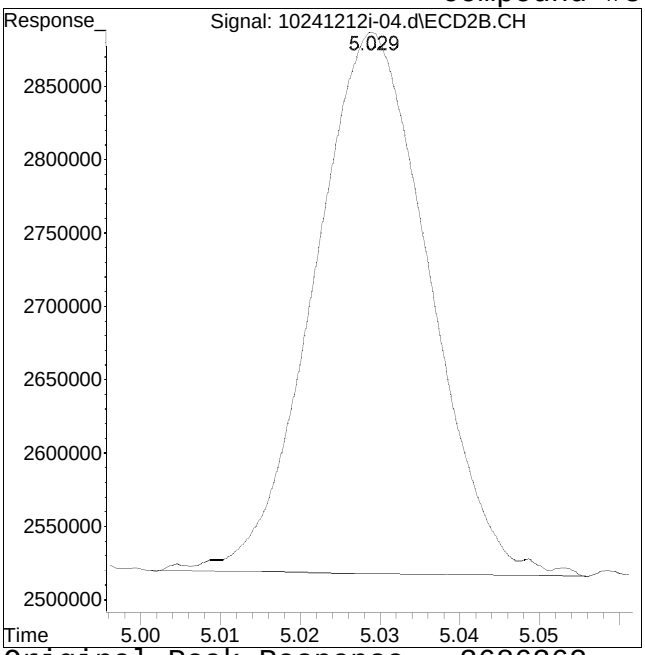


Original Peak Response = 4801359 Manual Peak Response = 4501452 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

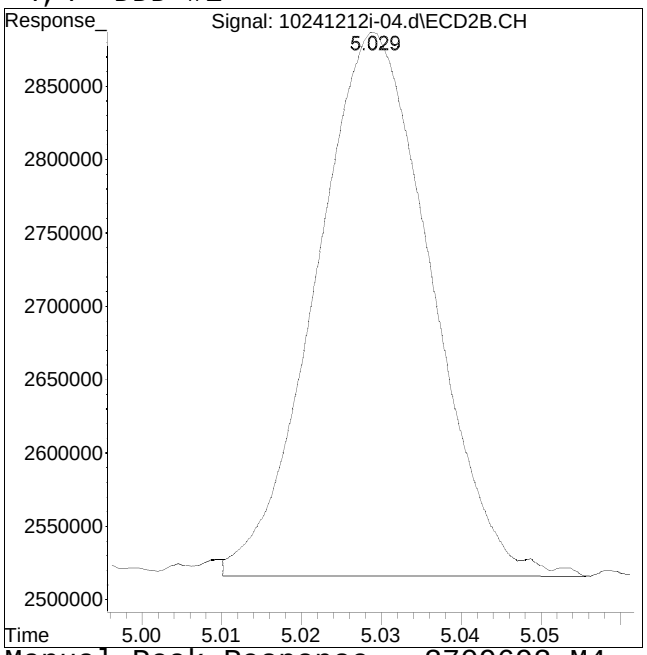
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-04.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 19:56 Instrument : Pest 10
Sample : il2pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:50 am

Compound #57: 4,4'-DDD #2



Original Peak Response = 3686362



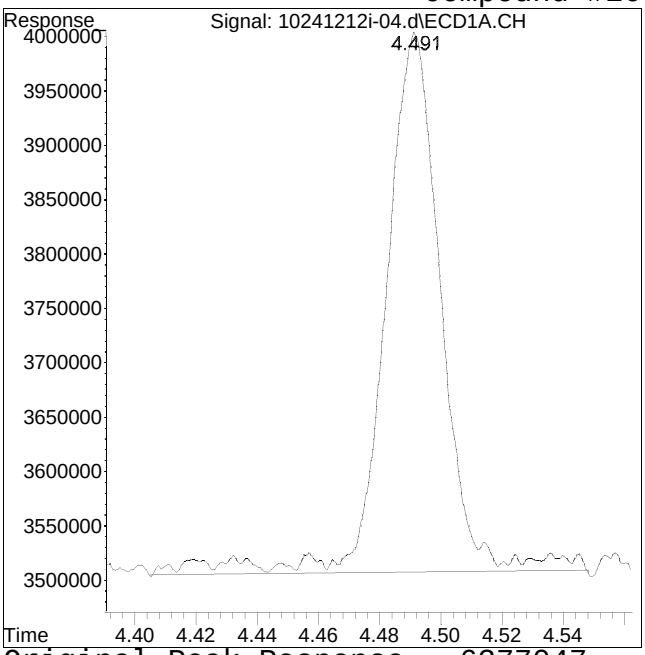
Manual Peak Response = 3709693 M4

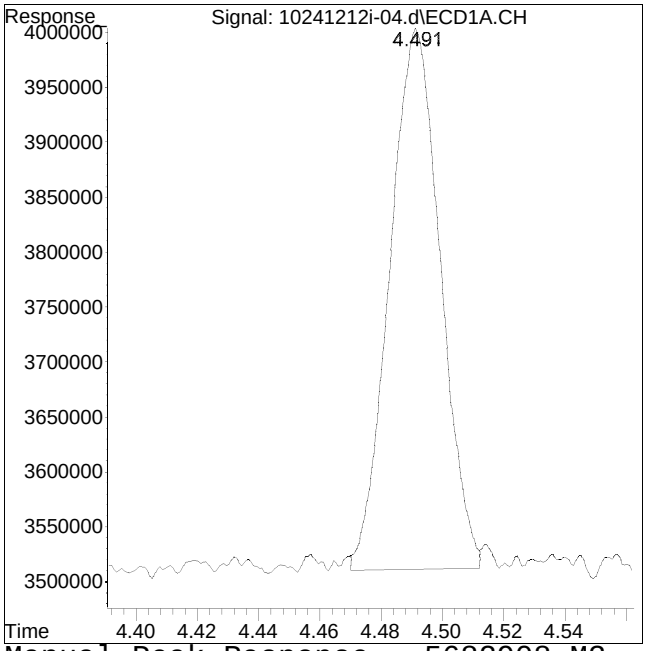
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-04.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 19:56 Instrument : Pest 10
Sample : il2pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:50 am

Compound #20: Endosulfan II





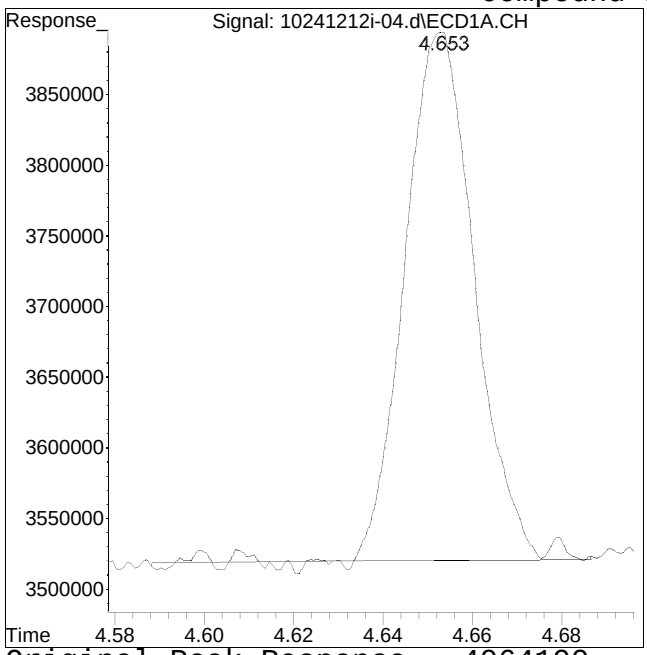
Original Peak Response = 6377047 Manual Peak Response = 5682908 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

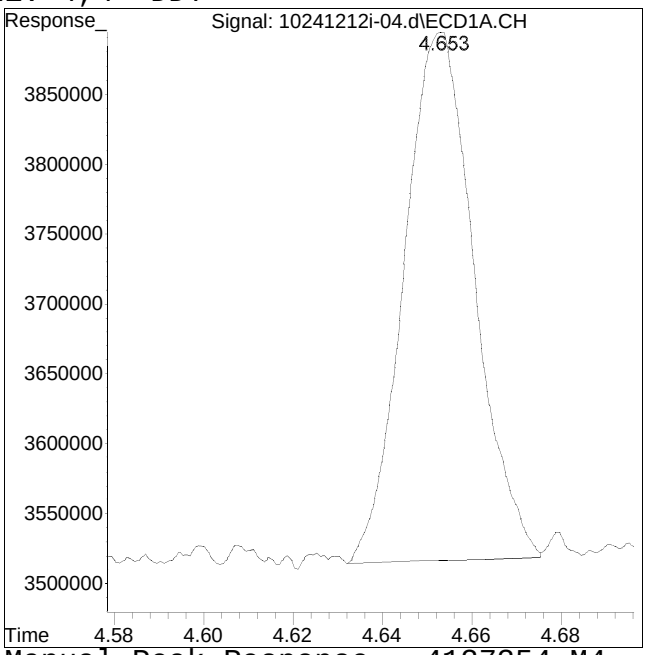
Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-04.d
Date Inj'd : 12/12/2024 19:56
Sample : il2pest,42e,,pp 11929 L0.0

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 10:50 am

Compound #21: 4,4'-DDT



Original Peak Response = 4064190



Manual Peak Response = 4127354 M4

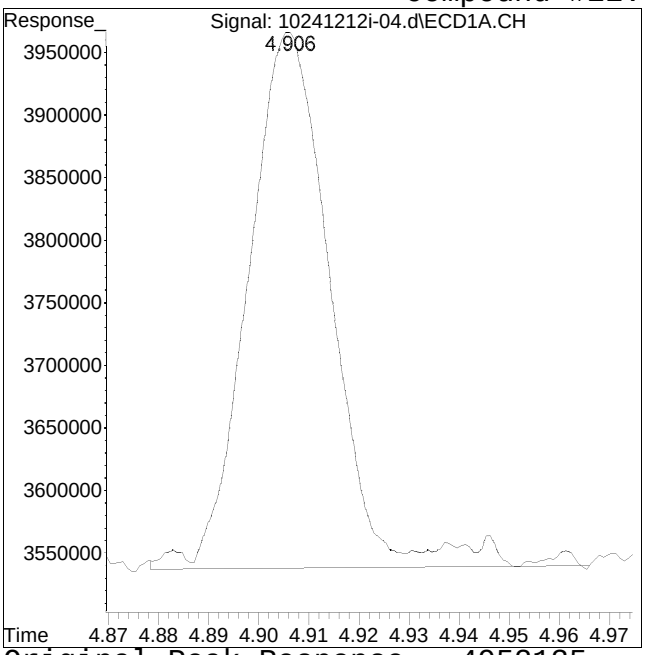
M4 = Poor automated baseline construction.

Manual Integration Report

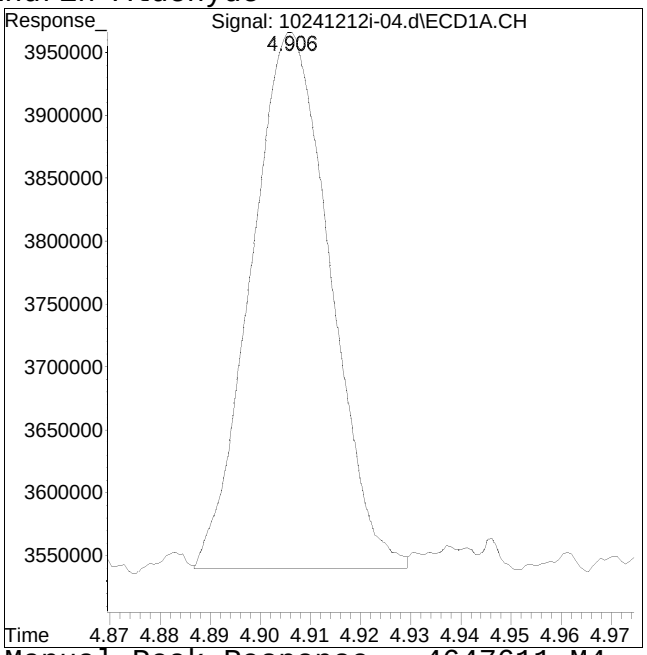
Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-04.d
Date Inj'd : 12/12/2024 19:56
Sample : il2pest,42e,,pp 11929 L0.0

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 10:50 am

Compound #22: Endrin Aldehyde



Original Peak Response = 4952135



Manual Peak Response = 4647611 M4

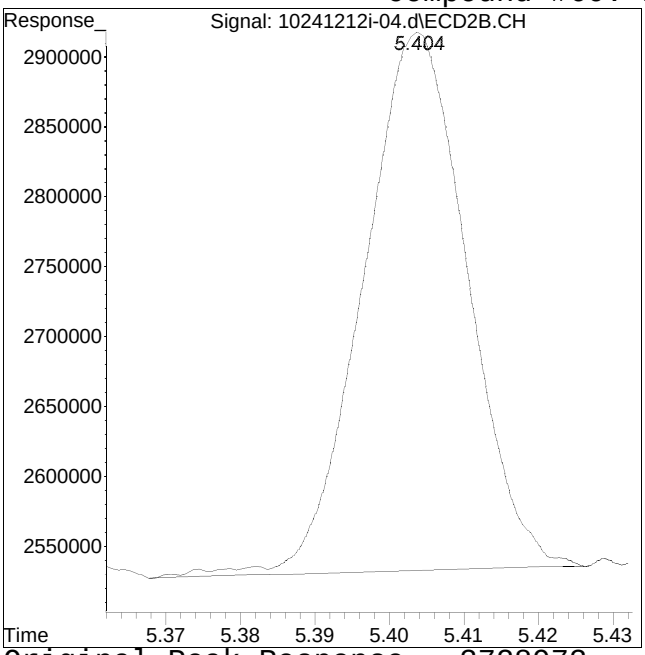
M4 = Poor automated baseline construction.

Manual Integration Report

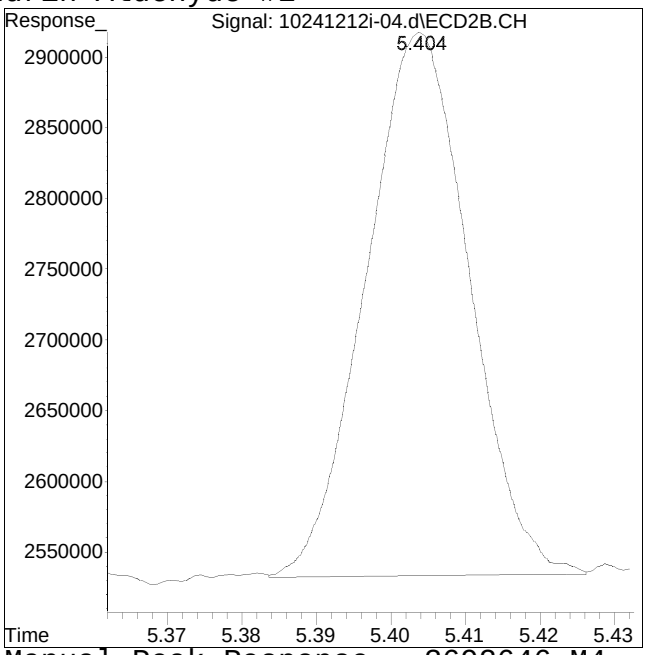
Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-04.d
Date Inj'd : 12/12/2024 19:56
Sample : il2pest,42e,,pp 11929 L0.0

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 10:50 am

Compound #60: Endrin Aldehyde #2



Original Peak Response = 3728973



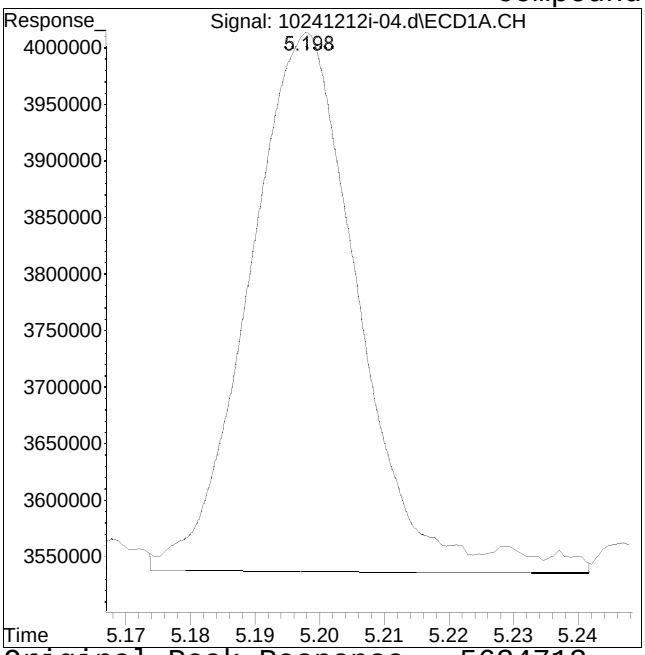
Manual Peak Response = 3692646 M4

M4 = Poor automated baseline construction.

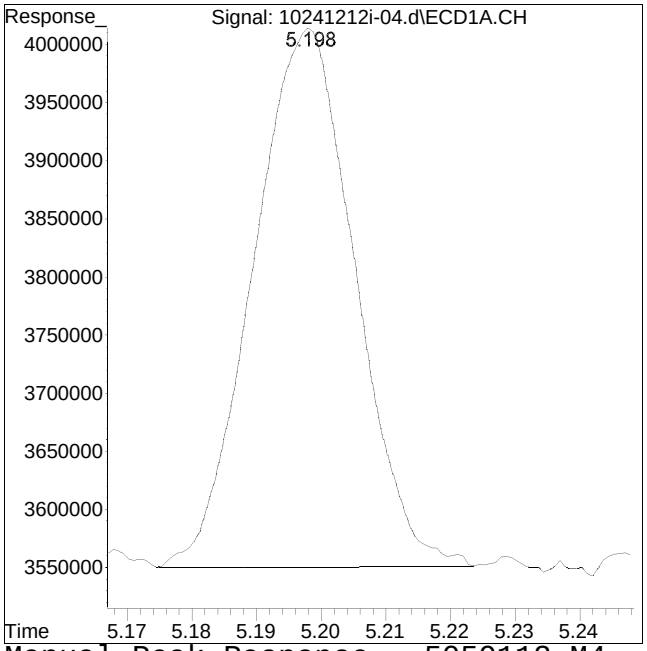
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-04.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 19:56 Instrument : Pest 10
Sample : il2pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:50 am

Compound #24: Mirex



Original Peak Response = 5634713



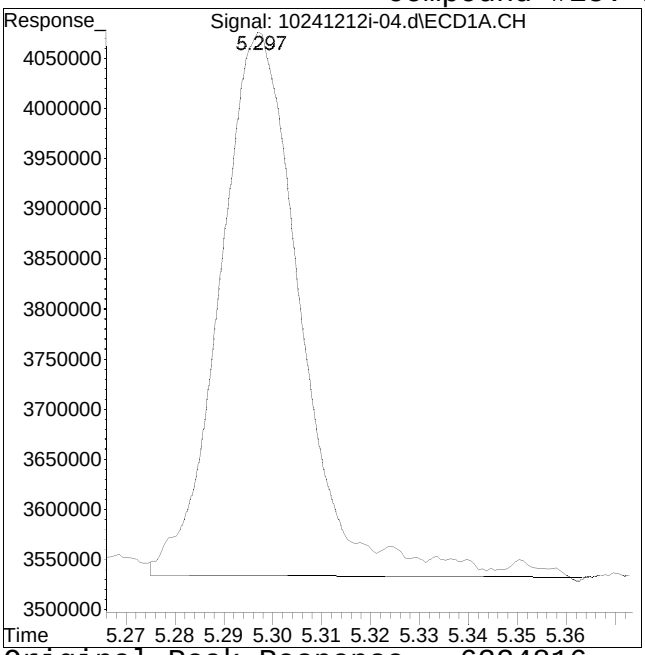
Manual Peak Response = 5059112 M4

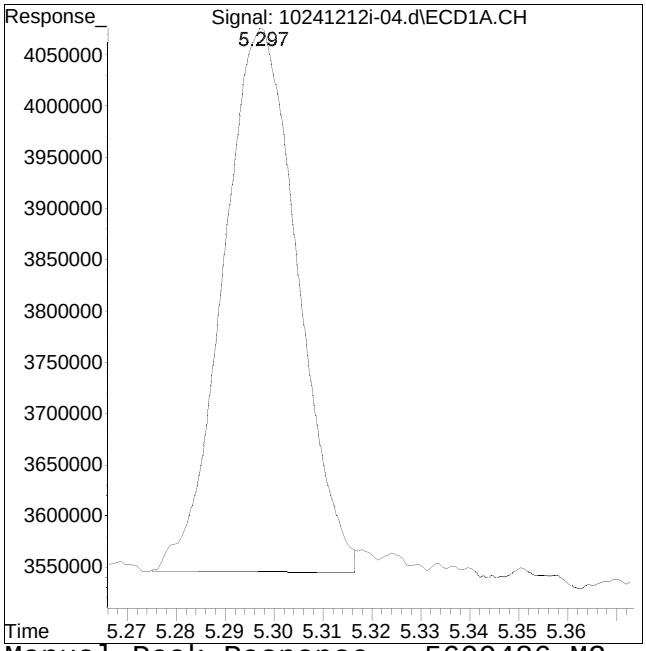
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-04.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 19:56 Instrument : Pest 10
Sample : il2pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:50 am

Compound #25: Endosulfan Sulfate





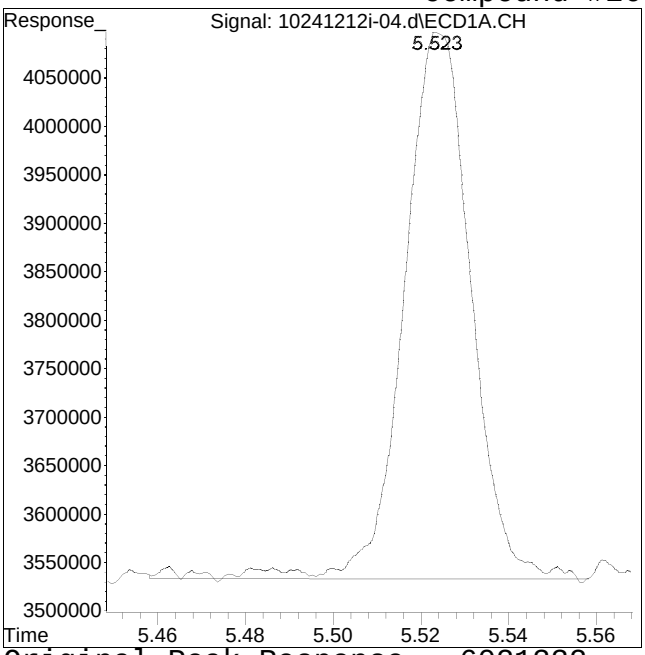
Original Peak Response = 6324816 Manual Peak Response = 5609486 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

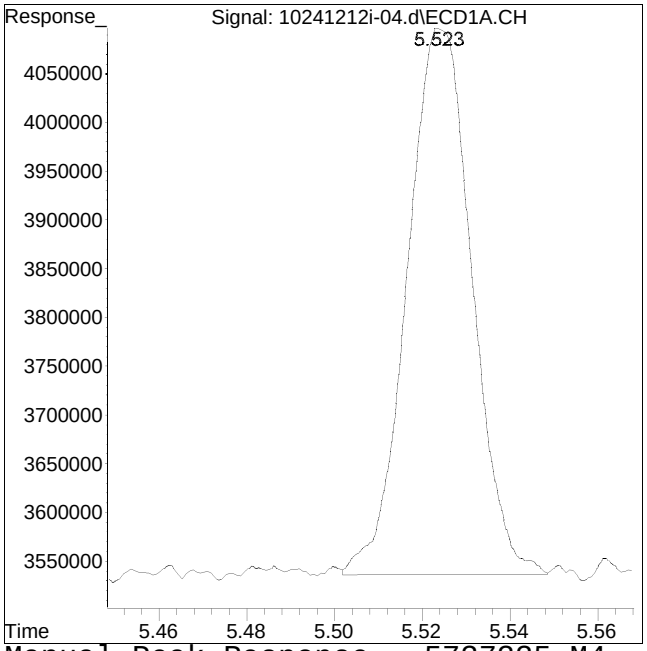
Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-04.d
Date Inj'd : 12/12/2024 19:56
Sample : il2pest,42e,,pp 11929 L0.0

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 10:50 am

Compound #26: Endrin Ketone



Original Peak Response = 6021332



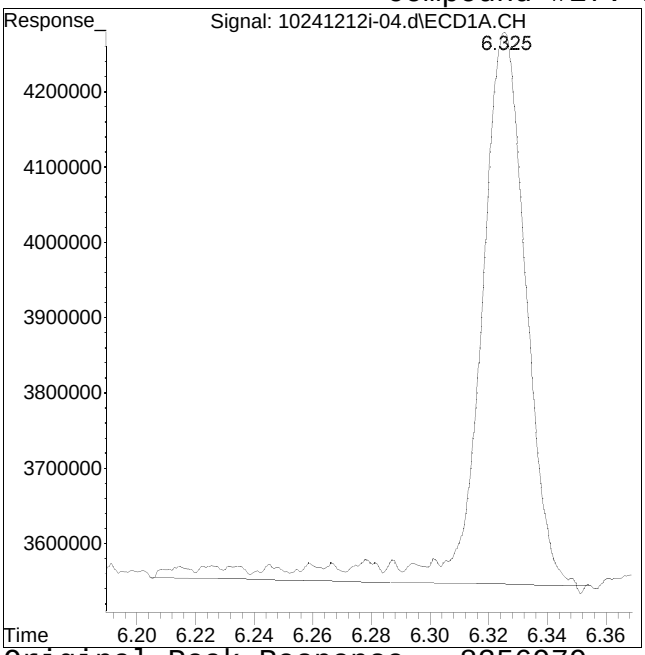
Manual Peak Response = 5737335 M4

M4 = Poor automated baseline construction.

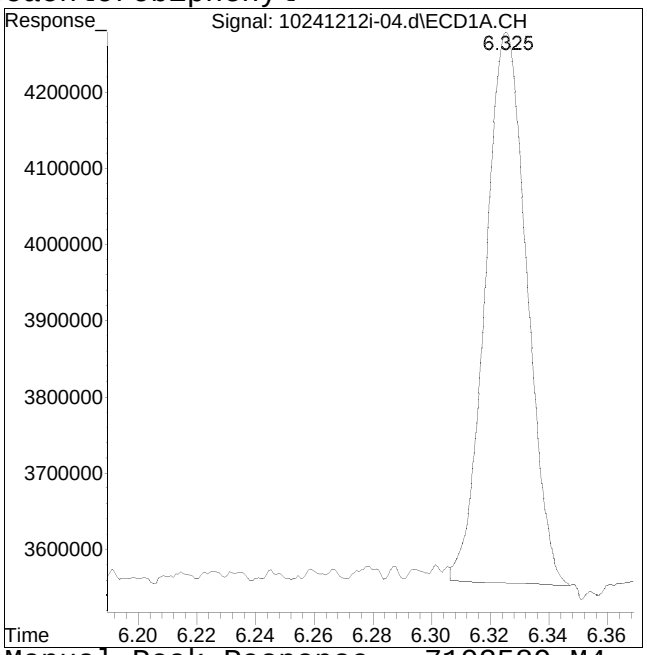
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-04.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 19:56 Instrument : Pest 10
Sample : il2pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:50 am

Compound #27: Decachlorobiphenyl



Original Peak Response = 8356979



Manual Peak Response = 7103589 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 20:07
Operator : PEST10:ejl
Sample : il3pest,42e,,pp 11929 L0.002
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 10:40:55 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 10:35:17 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.326	1.366	80358222	76387898	25.000M3	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.673	1.837	14374580	8885879	2.555M4	2.204M3
	Spiked Amount 50.000	Range 30 - 150		Recovery =		5.11%#	4.41%#
27) s	Decachlorobi	6.324	6.907	13545301	10749536	2.616M4	2.382
	Spiked Amount 50.000	Range 30 - 150		Recovery =		5.23%#	4.76%#
	Target Compounds						
3) t	Hexachlorobe	1.888	2.155	15574114	10089676	2.632M4	2.280M4
4) t	alpha-BHC	1.987	2.249	13574432	10310537	2.375M3	1.896M3
5) t	gamma-BHC (l	2.192	2.533	12110196	9840209	2.400M3	1.983
6) t	beta-BHC	2.248	2.598	6269217	4971373	2.575M3	2.186M4
7) t	delta-BHC	2.377	2.863	12696374	9657354	2.372M3	1.893M3
8) t	Heptachlor	2.542	2.927	11267263	10020293	2.437M3	2.074M4
9) t	Aldrin	2.787	3.245	13405257	10213634	2.386M4	1.958M3
10) t	Alachlor	2.908	3.129	1666365	1503418	2.275M4	2.237M4
11) t	Chlorpyrifos	3.001	3.481	5947570	5694211	2.595M3	2.341M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 20:07
Operator : PEST10:ejl
Sample : il3pest,42e,,pp 11929 L0.002
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 10:40:55 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 10:35:17 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.337	3.858	12061432	9956570	2.435M4	2.054M4
13)	t	gamma-Chlord	3.462	4.078	11679088	9157394	2.437M4	2.026M4
14)	t	alpha-Chlord	3.598	4.250	13584963	10510862	2.420M3	2.041M4
15)	t	4,4'-DDE	3.695	4.450	13790914	9872156	2.352M3	1.898
16)	t	Endosulfan I	3.736	4.312	12060393	9517801	2.423M4	2.031
17)	t	Dieldrin	3.997	4.605	12407071	9510694	2.382M4	1.957M4
18)	t	Endrin	4.252	4.904	11697989	9387152	2.402M3	1.957M3
19)	t	4,4'-DDD	4.359	5.029	8606595	7347344	2.356M4	1.935M4
20)	t	Endosulfan I	4.490	5.104	11090676	8854054	2.416M4	2.043M4
21)	t	4,4'-DDT	4.651	5.308	8199291	8264972	2.300M4	2.023
22)	t	Endrin Aldeh	4.904	5.403	9055291	7268014	2.321M4	1.988M4
23)	t	Methoxychlor	5.137	5.876	4660501	4900953	2.450M3	2.196M3
24)	t	Mirex	5.196	6.010	9637182	8722119	2.526M4	2.280M4
25)	t	Endosulfan S	5.296	5.633	10510400	8694780	2.439M3	2.153M4
26)	t	Endrin Keton	5.523	6.046	10790872	9699079	2.482M4	2.128M4
29)	l1	chlordane-1	0.000	0.000	0	0	N.D.	N.D.
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 20:07
Operator : PEST10:ejl
Sample : il3pest,42e,,pp 11929 L0.002
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 10:40:55 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 10:35:17 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

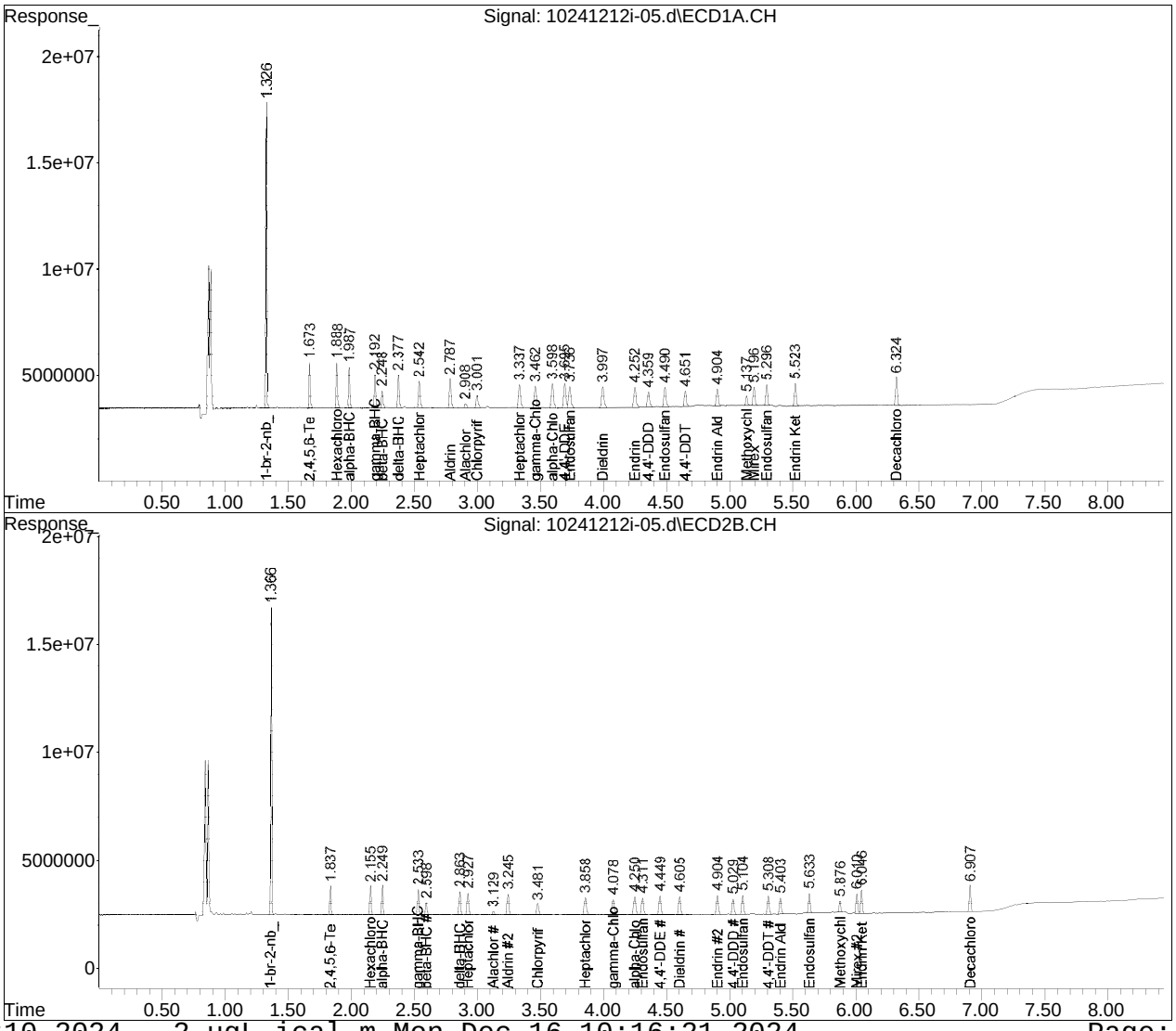
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 20:07
Operator : PEST10:ejl
Sample : il3pest,42e,,pp 11929 L0.002
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 10:40:55 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 10:35:17 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

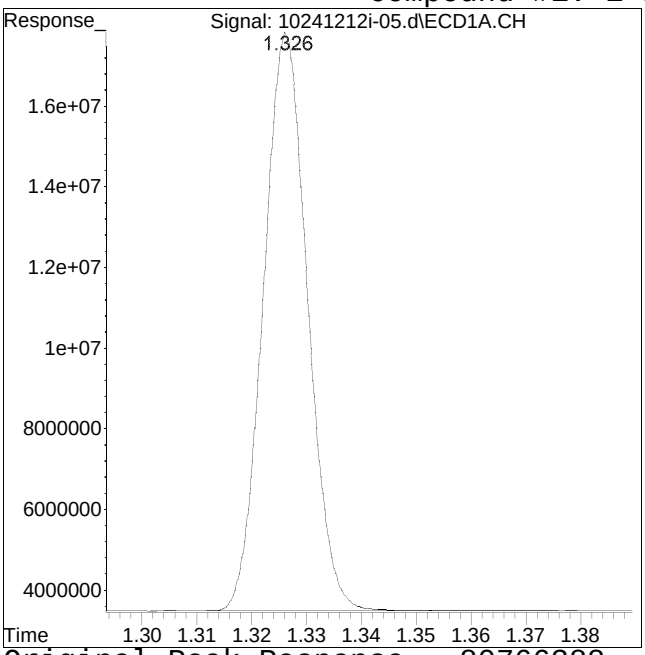
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

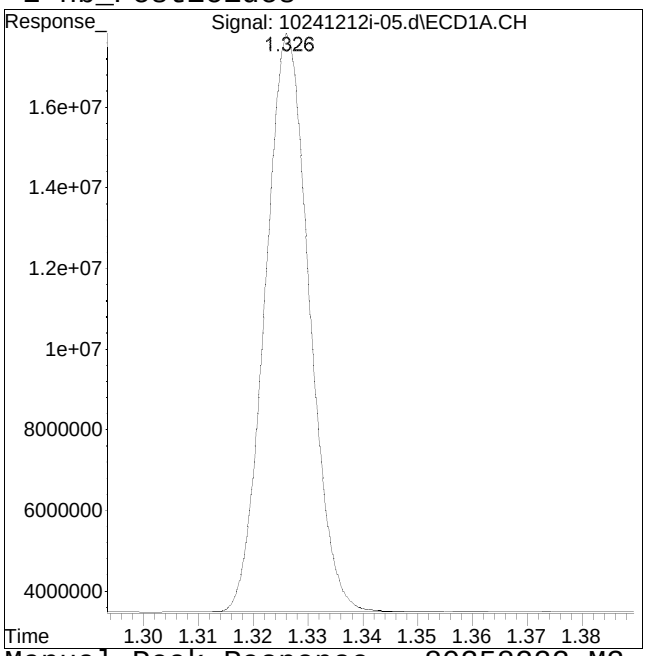


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #1: 1-br-2-nb_Pesticides



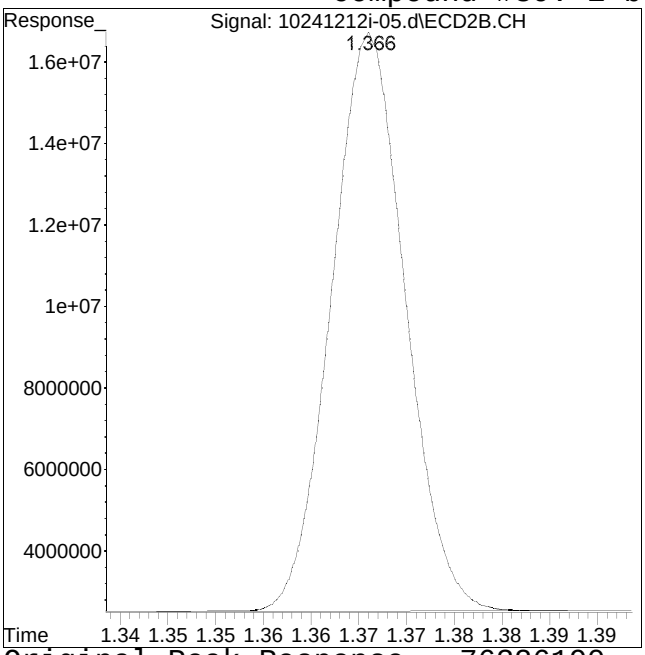


Original Peak Response = 80766388 Manual Peak Response = 80358222 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

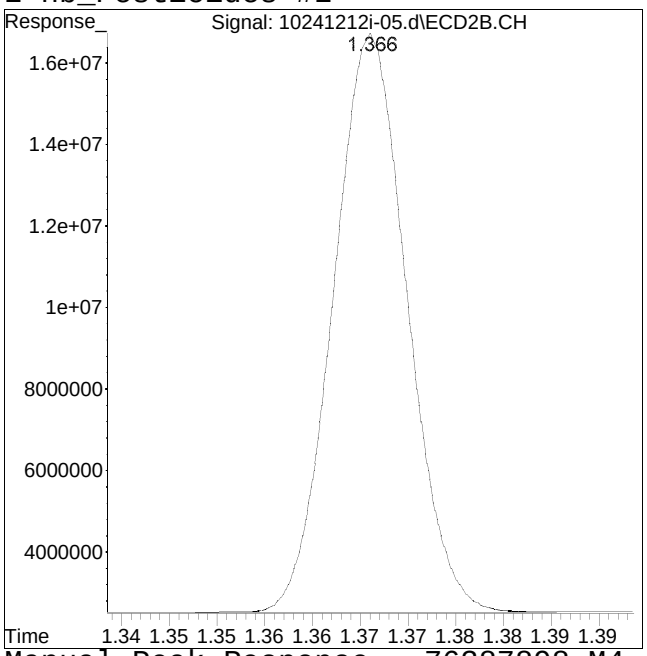
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 76326190



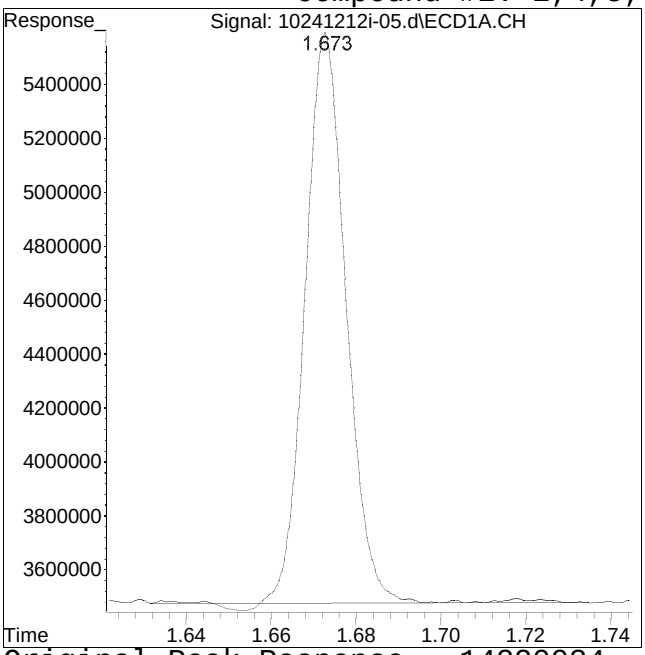
Manual Peak Response = 76387898 M4

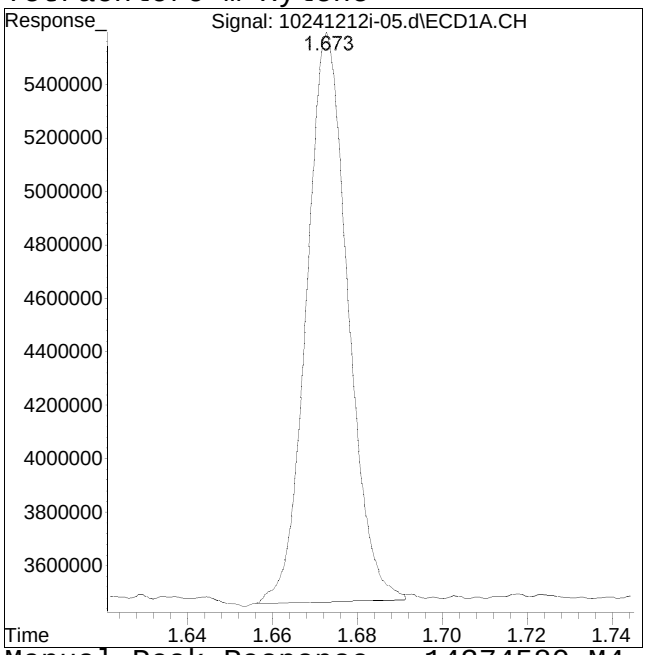
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



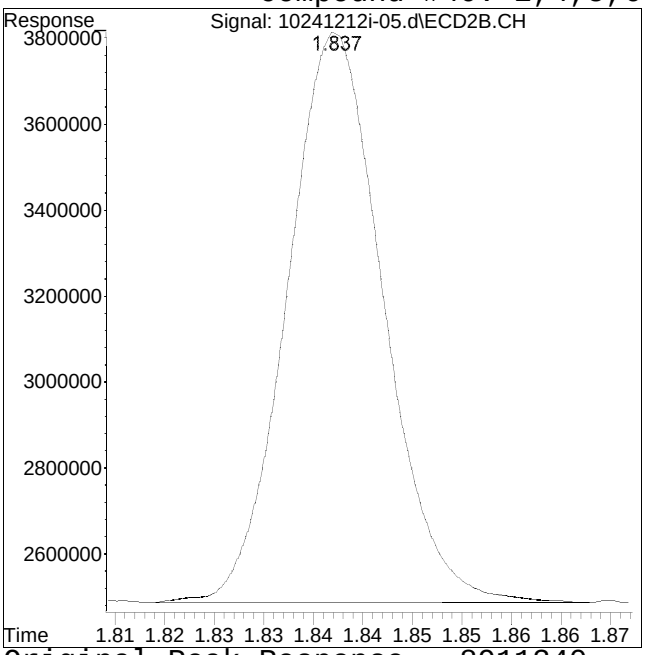


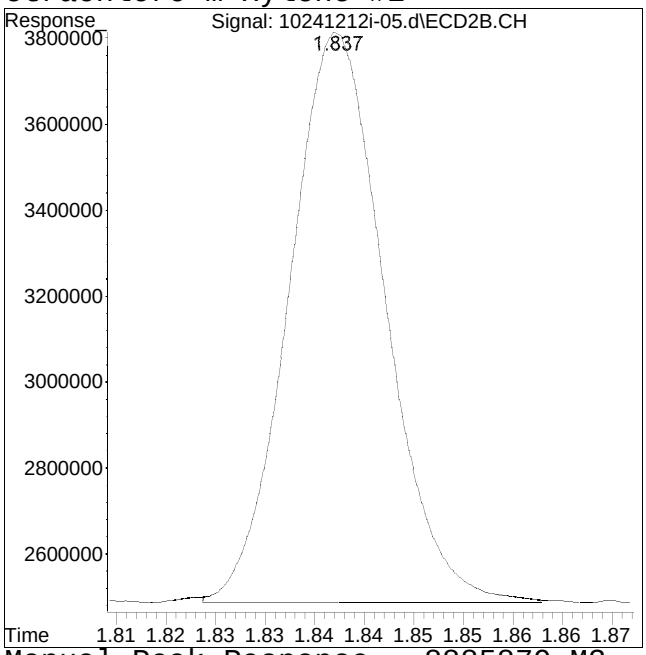
Original Peak Response = 14220034 Manual Peak Response = 14374580 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



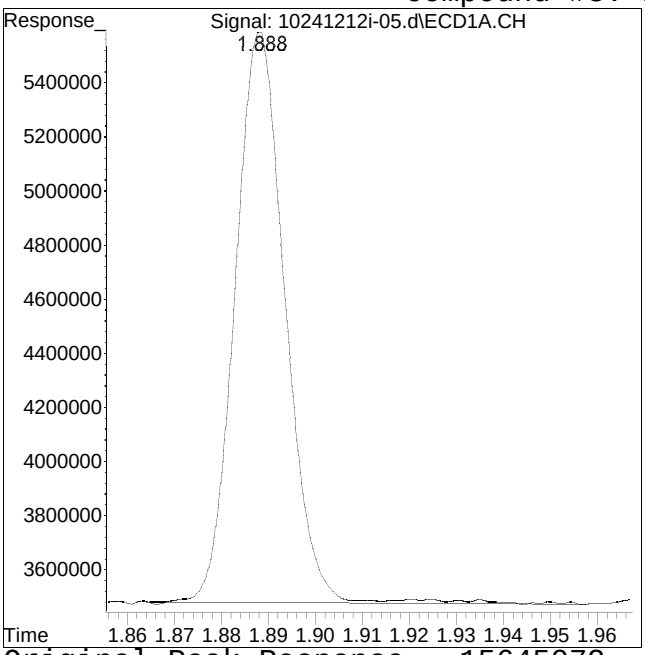


Original Peak Response = 8911340 Manual Peak Response = 8885879 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

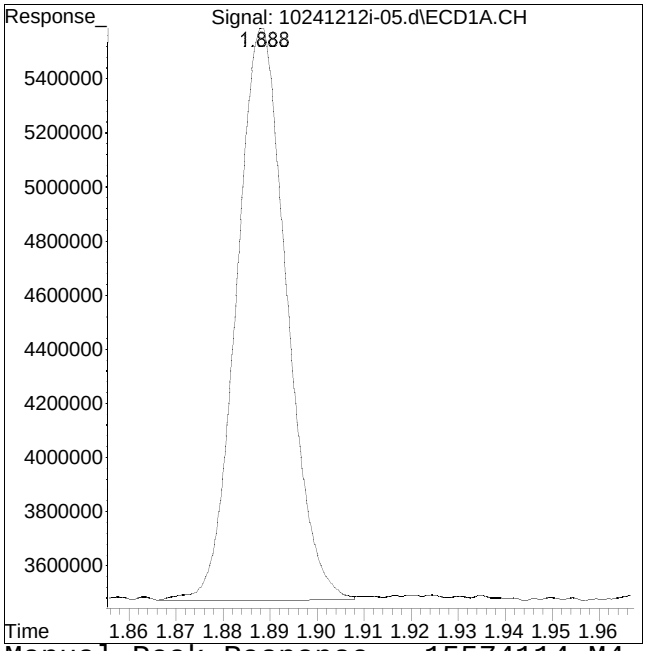
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #3: Hexachlorobenzene



Original Peak Response = 15645072



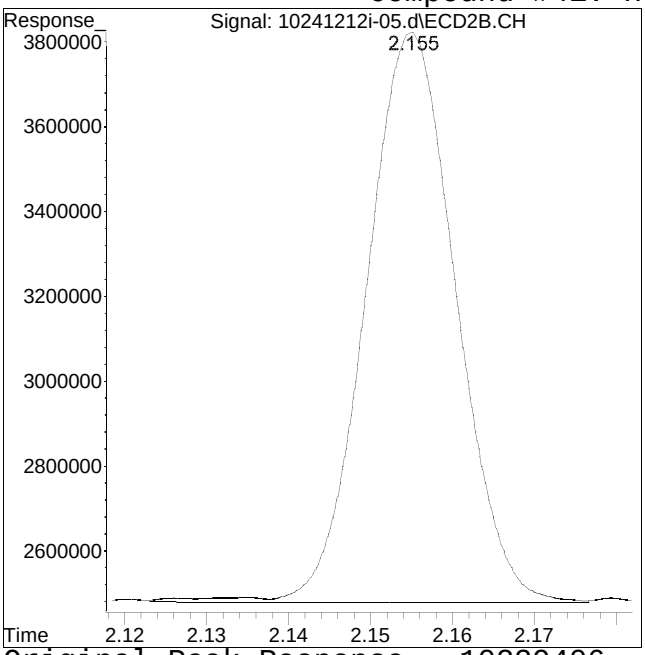
Manual Peak Response = 15574114 M4

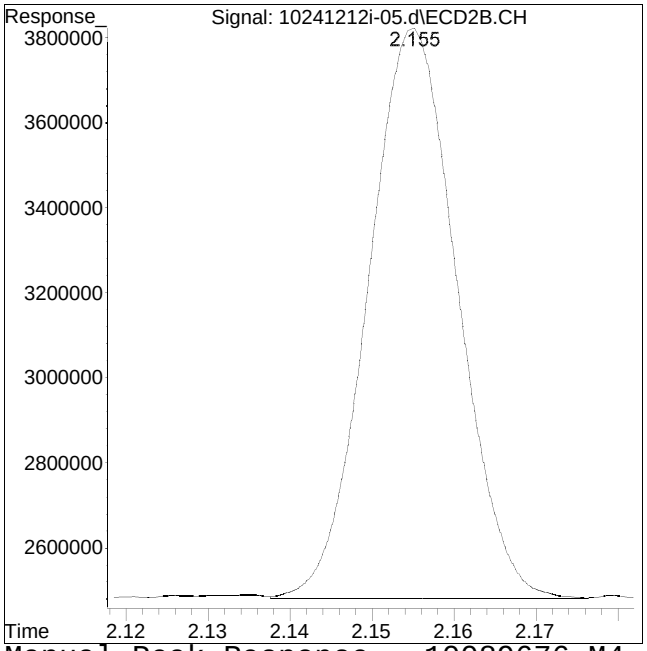
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #41: Hexachlorobenzene #2



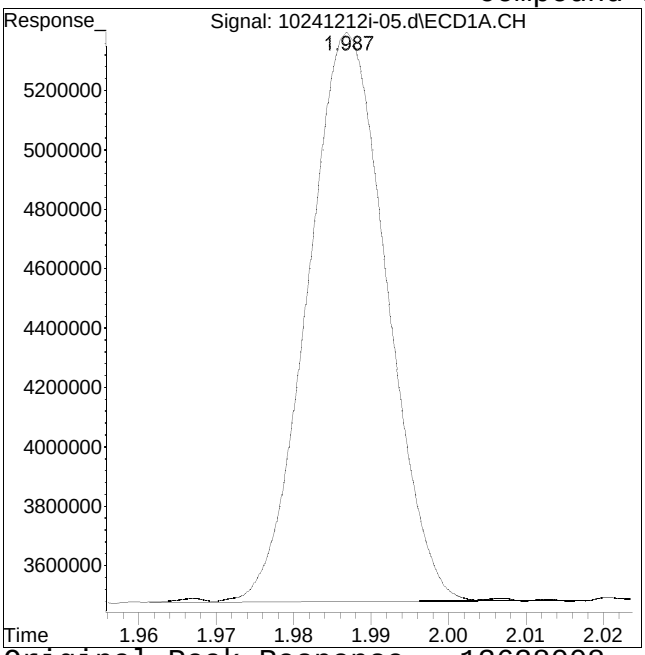


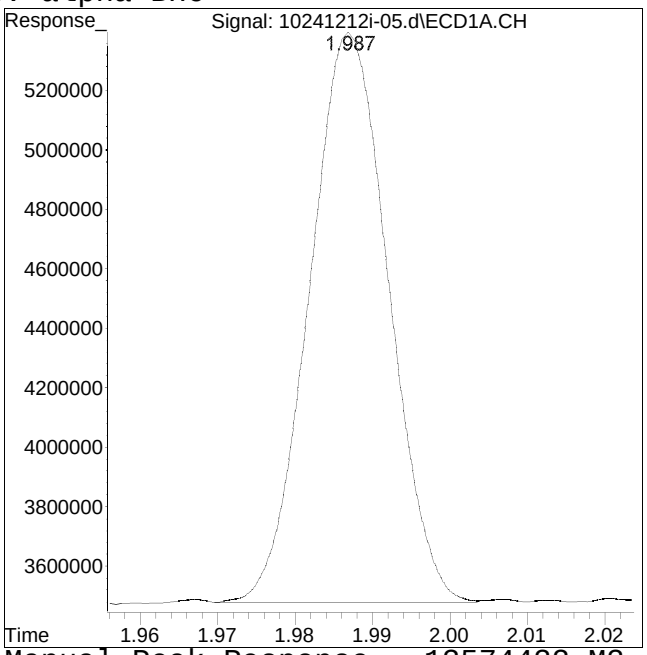
Original Peak Response = 10229406 Manual Peak Response = 10089676 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #4: alpha-BHC



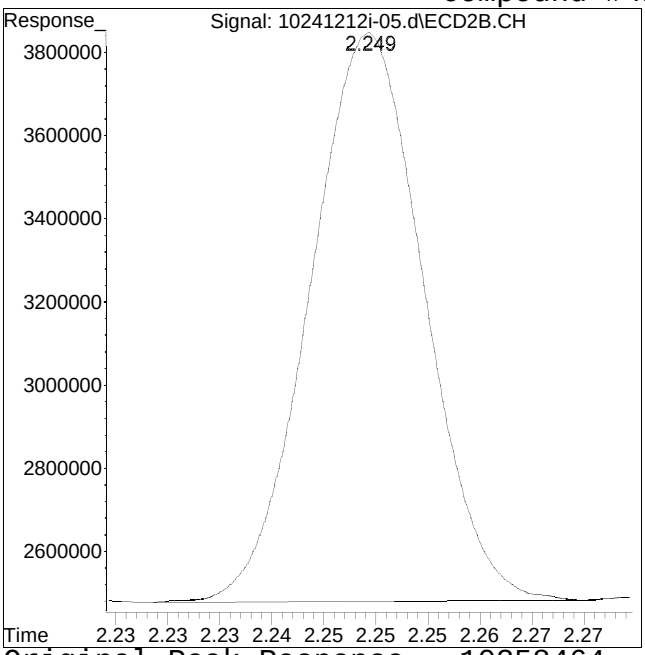


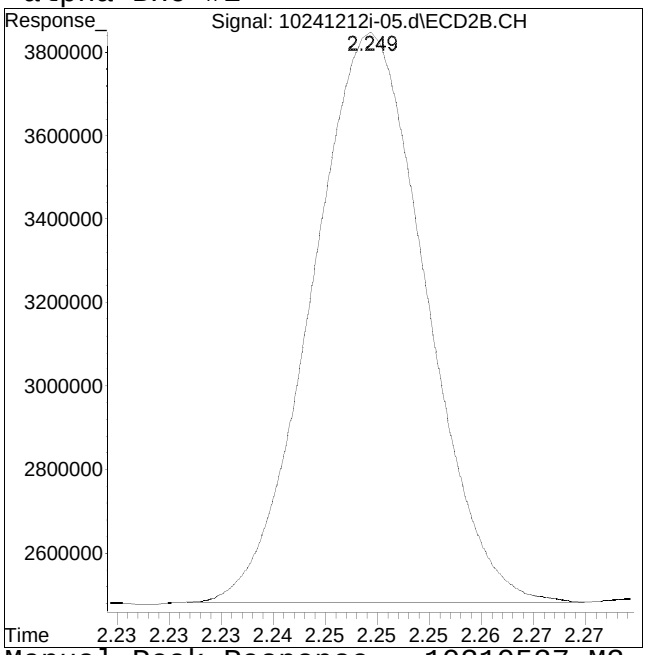
Original Peak Response = 13638008 Manual Peak Response = 13574432 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #42: alpha-BHC #2



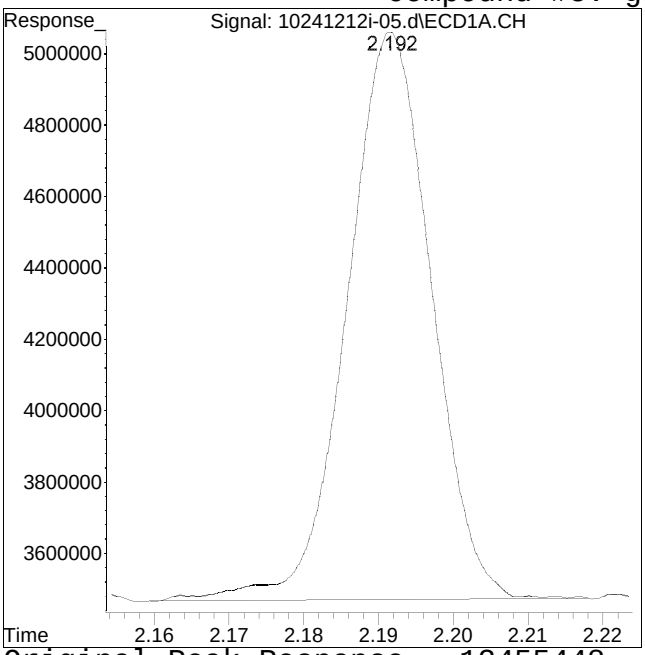


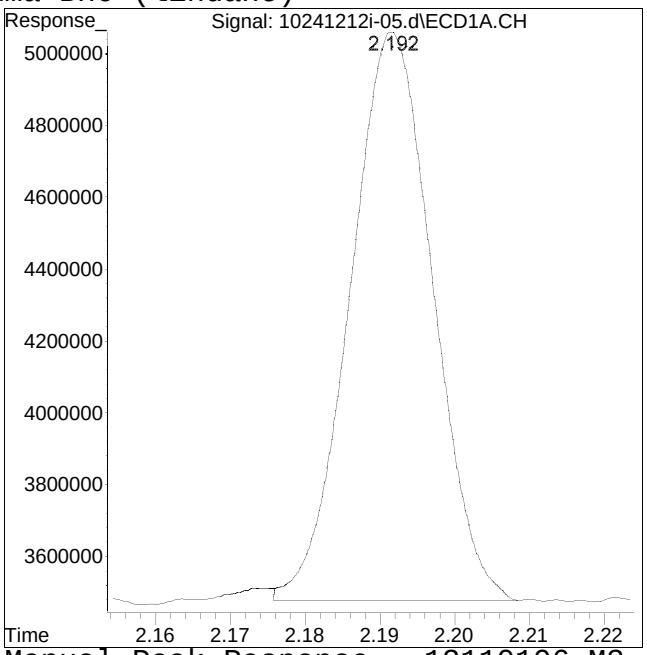
Original Peak Response = 10358464 Manual Peak Response = 10310537 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #5: gamma-BHC (lindane)



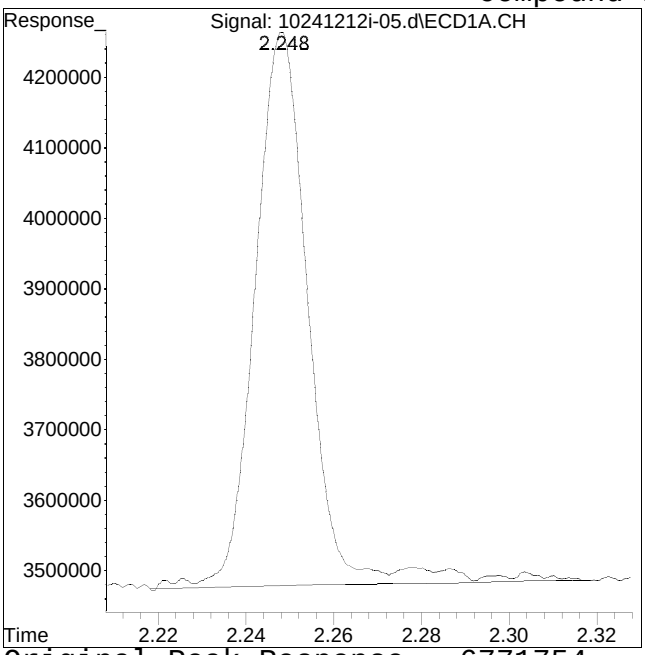


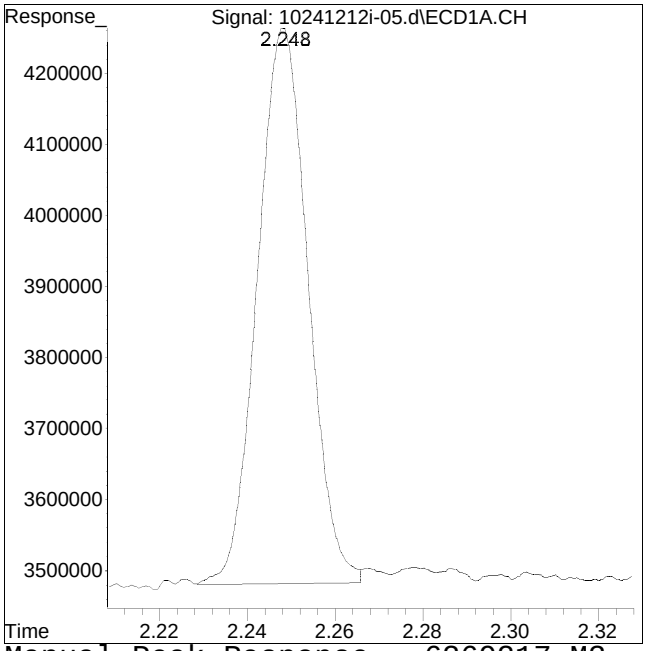
Original Peak Response = 12455448 Manual Peak Response = 12110196 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #6: beta-BHC



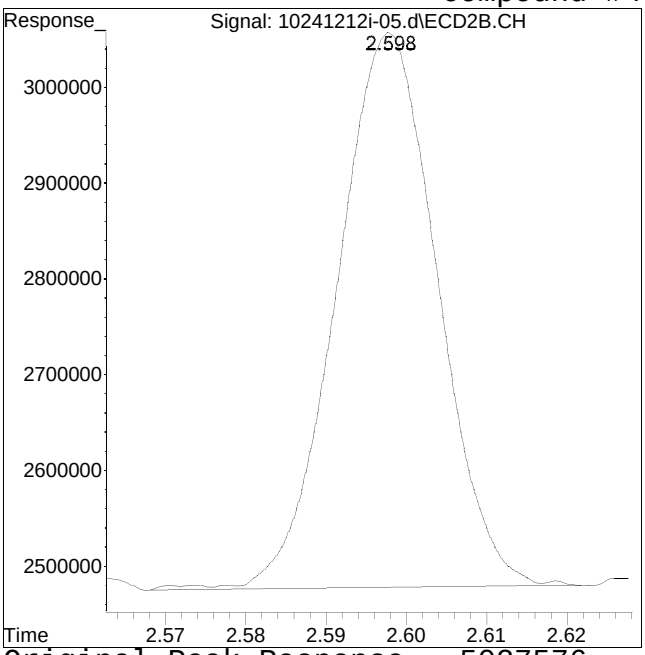


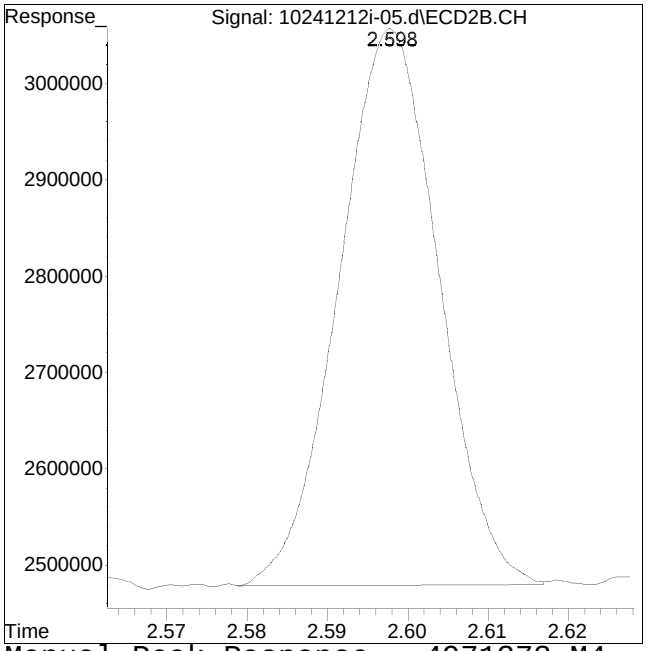
Original Peak Response = 6771754 Manual Peak Response = 6269217 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #44: beta-BHC #2



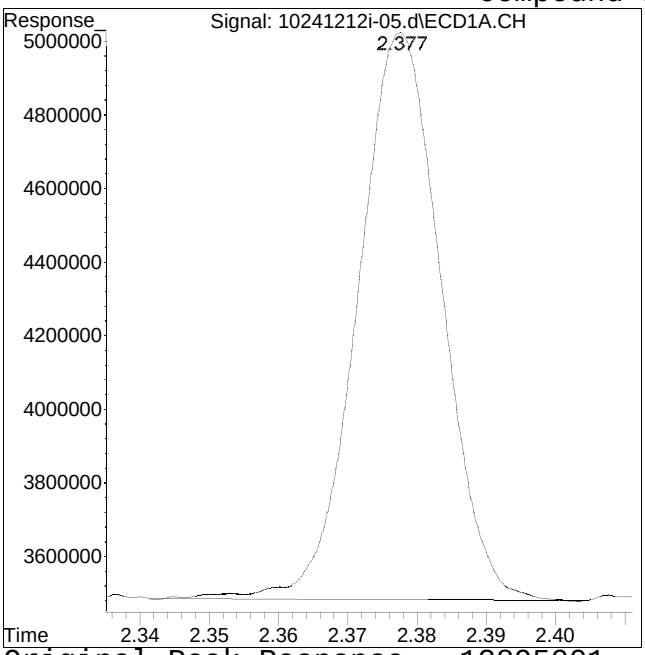


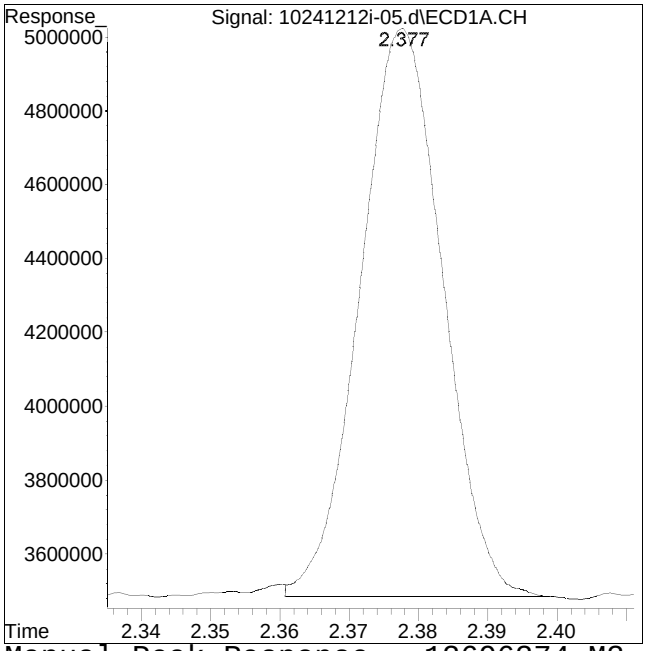
Original Peak Response = 5027576 Manual Peak Response = 4971373 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #7: delta-BHC



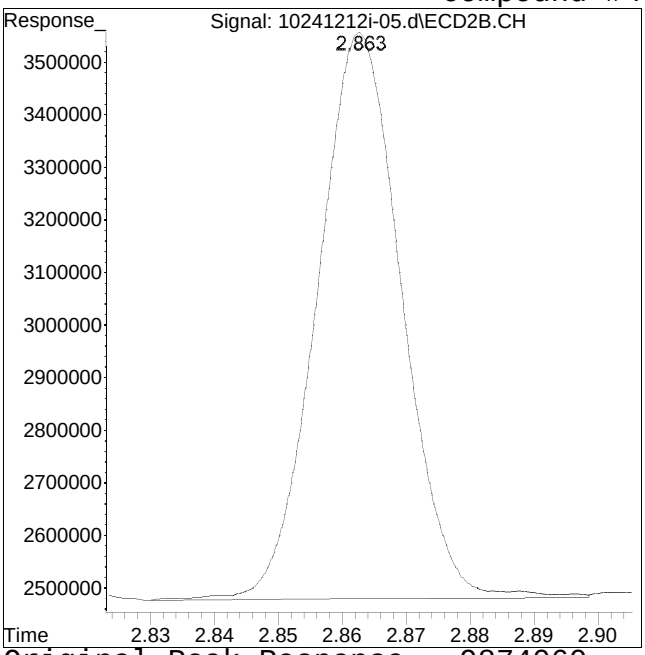


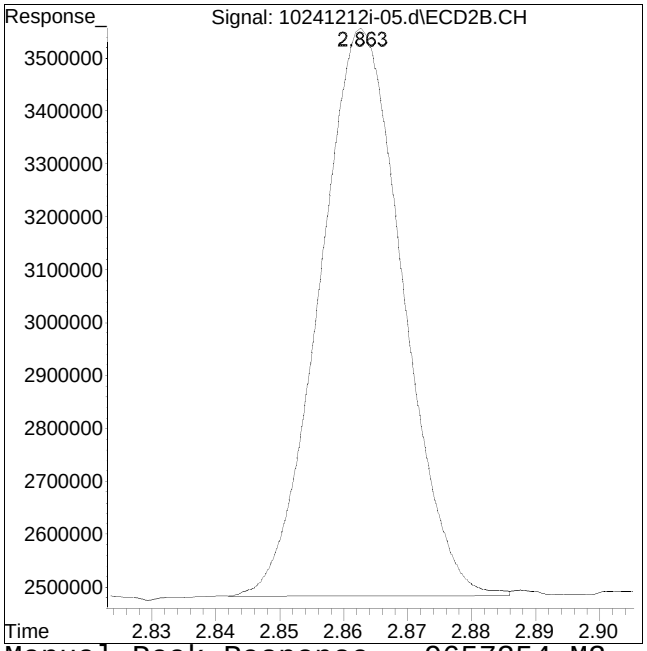
Original Peak Response = 12895001 Manual Peak Response = 12696374 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #45: delta-BHC #2



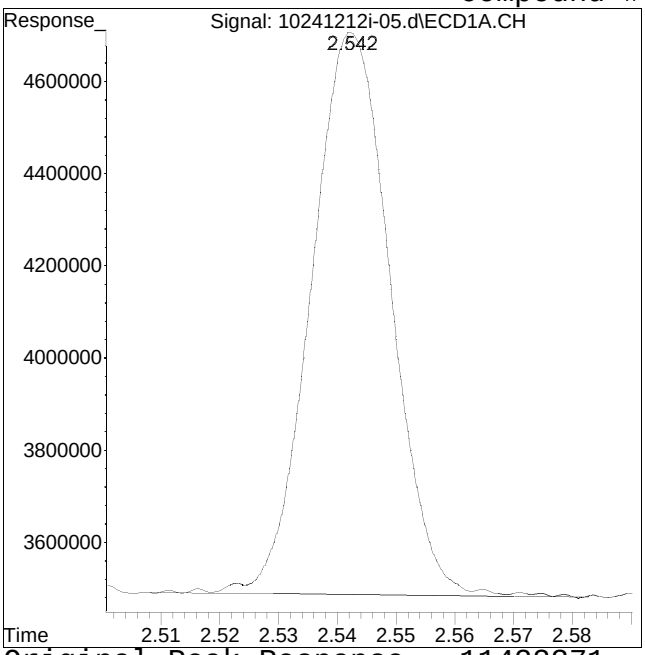


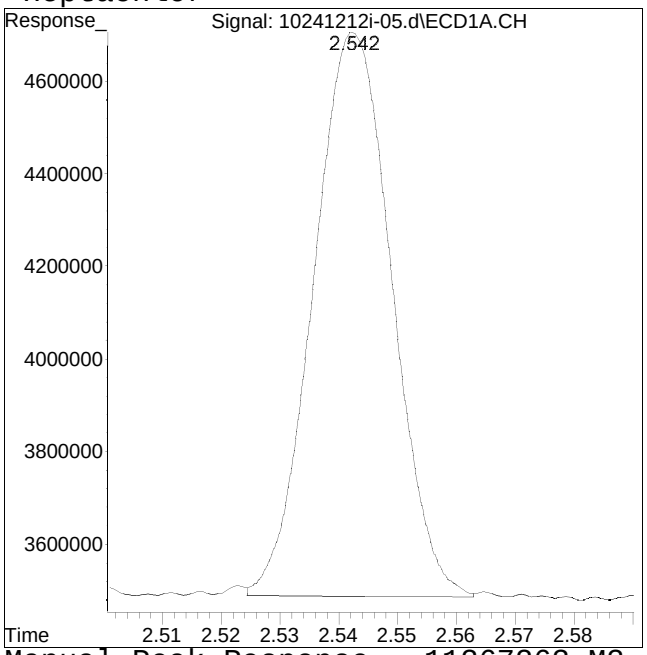
Original Peak Response = 9874060 Manual Peak Response = 9657354 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #8: Heptachlor



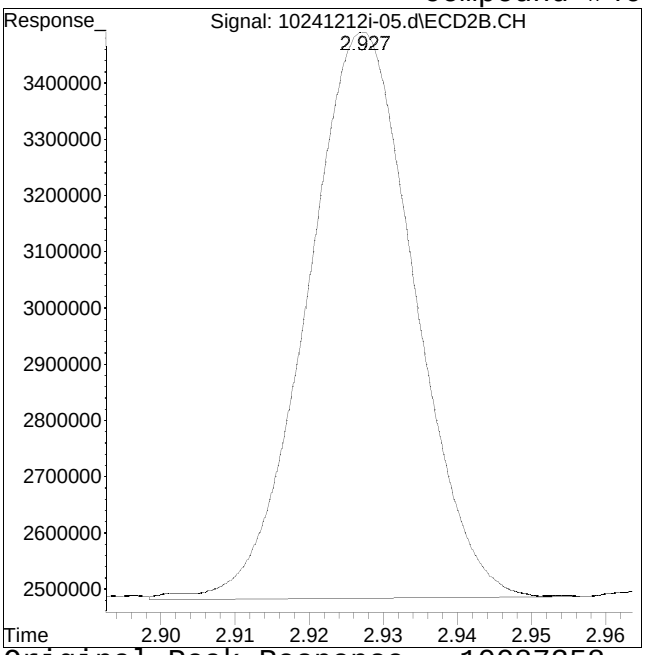


Original Peak Response = 11422371 Manual Peak Response = 11267263 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

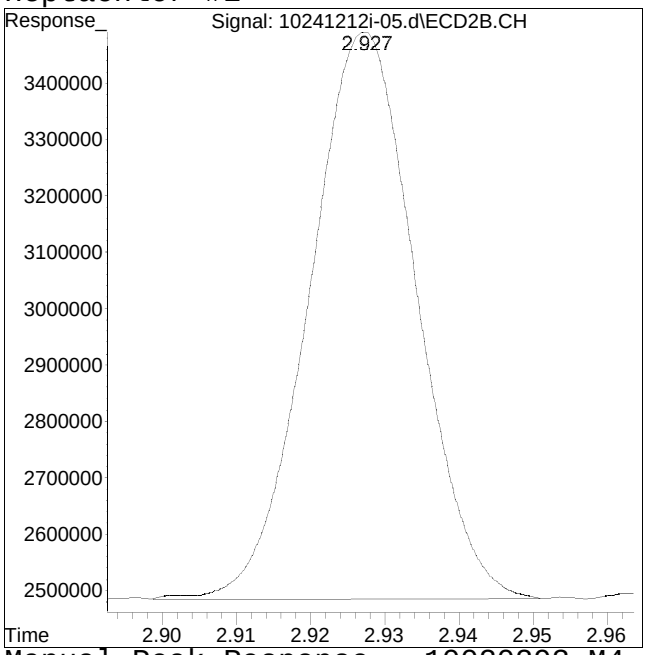
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #46: Heptachlor #2



Original Peak Response = 10087358



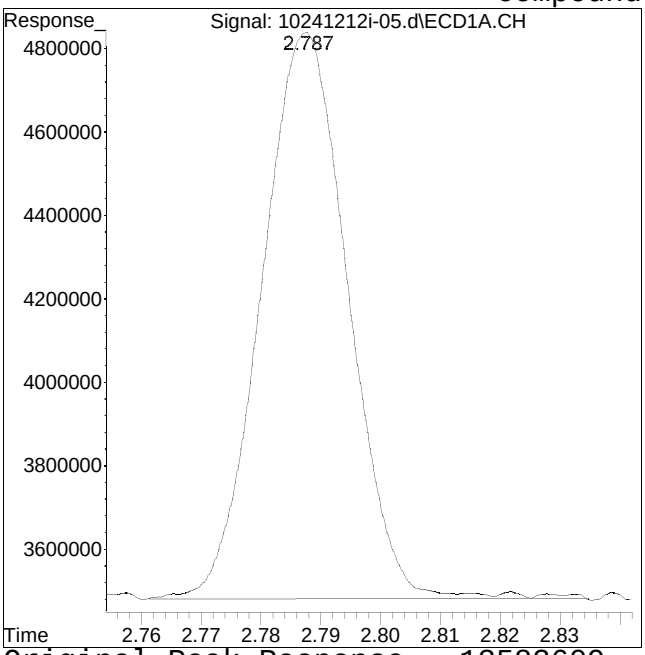
Manual Peak Response = 10020293 M4

M4 = Poor automated baseline construction.

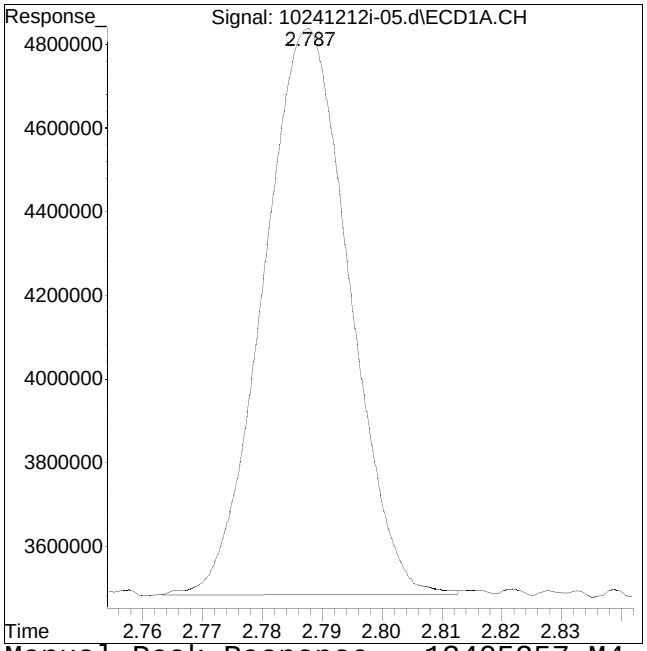
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #9: Aldrin



Original Peak Response = 13583609



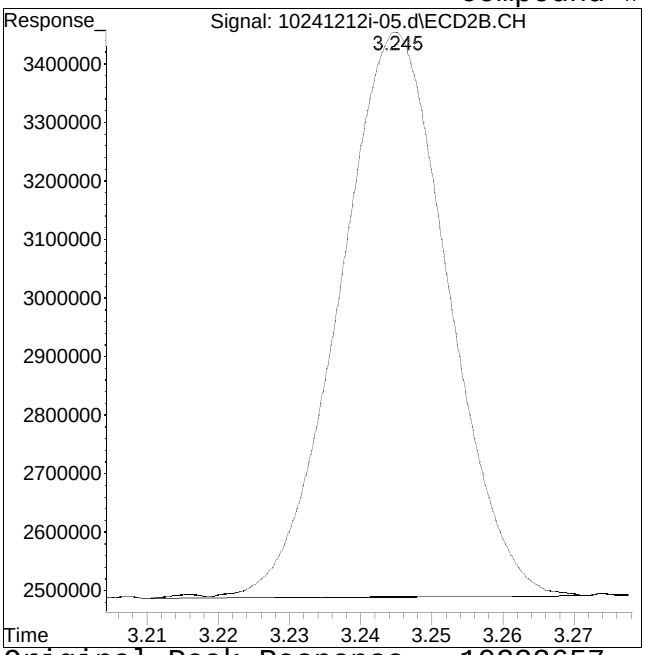
Manual Peak Response = 13405257 M4

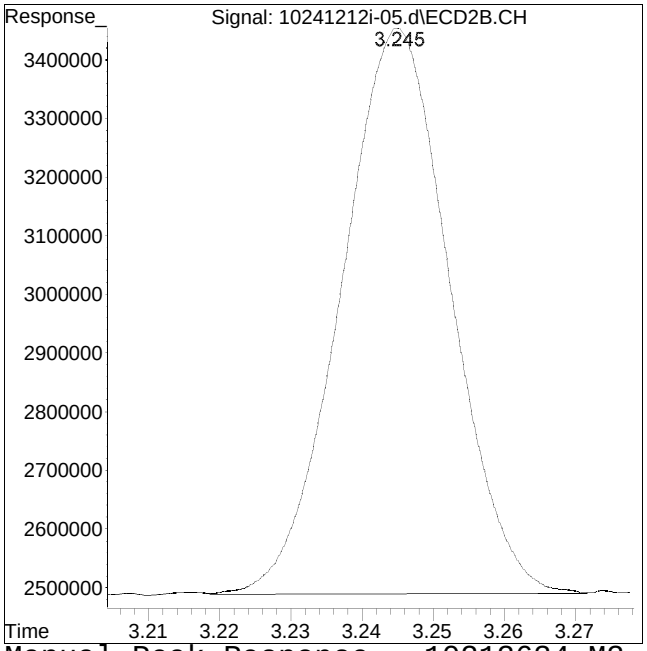
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #47: Aldrin #2



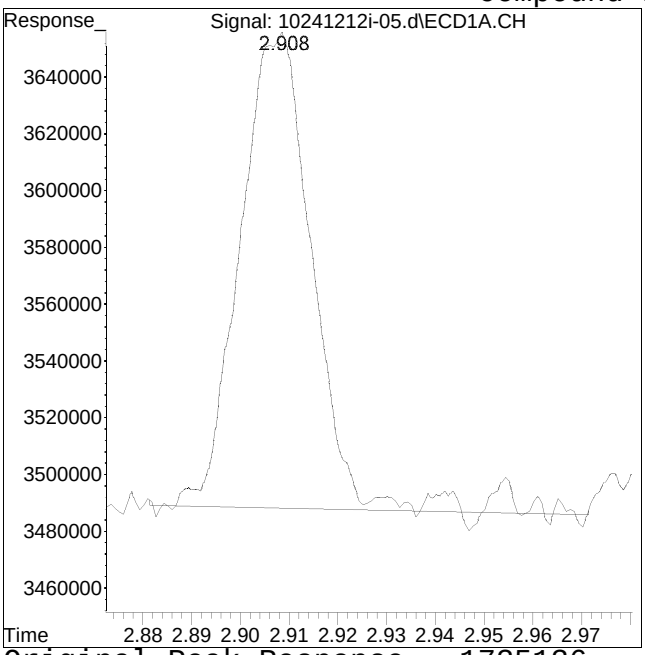


Original Peak Response = 10232657 Manual Peak Response = 10213634 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

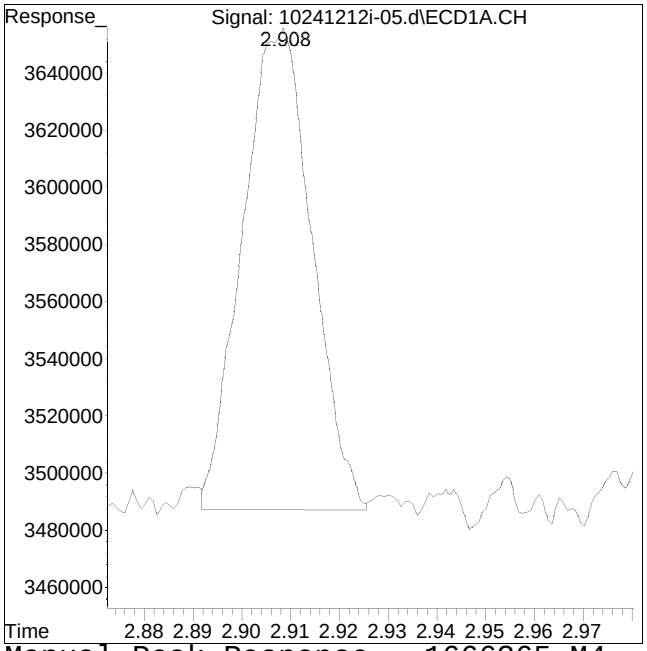
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #10: Alachlor



Original Peak Response = 1735136



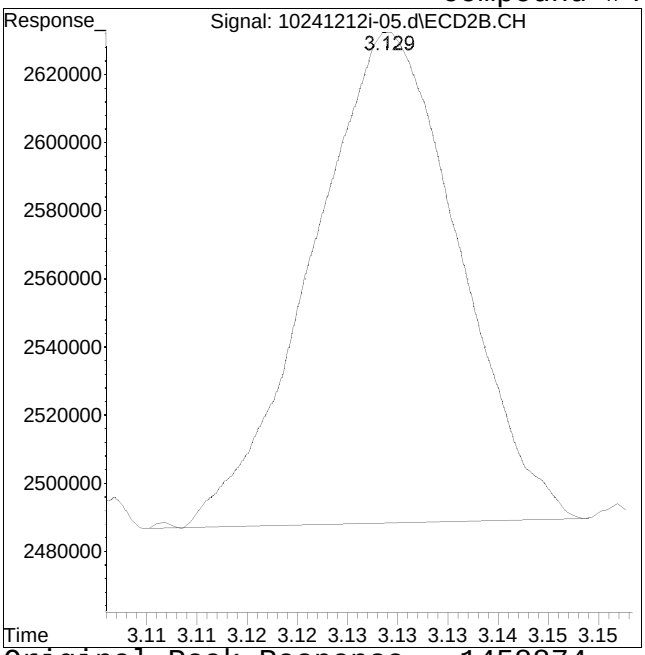
Manual Peak Response = 1666365 M4

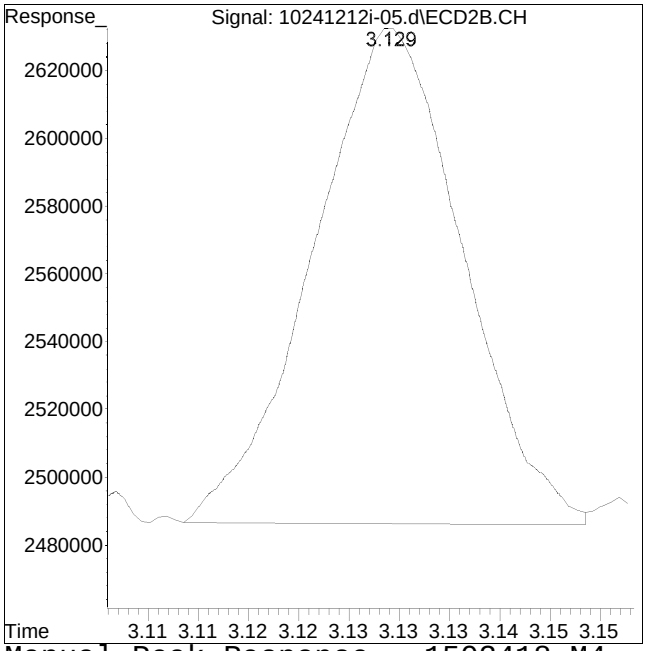
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #48: Alachlor #2



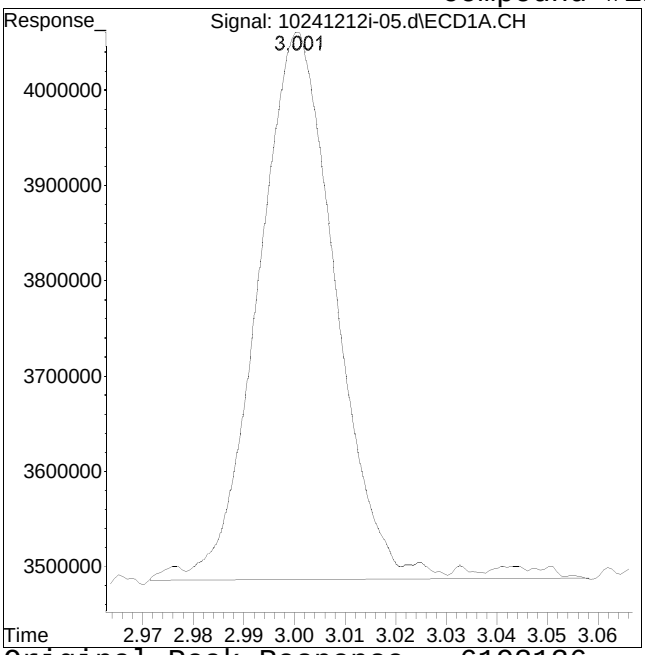


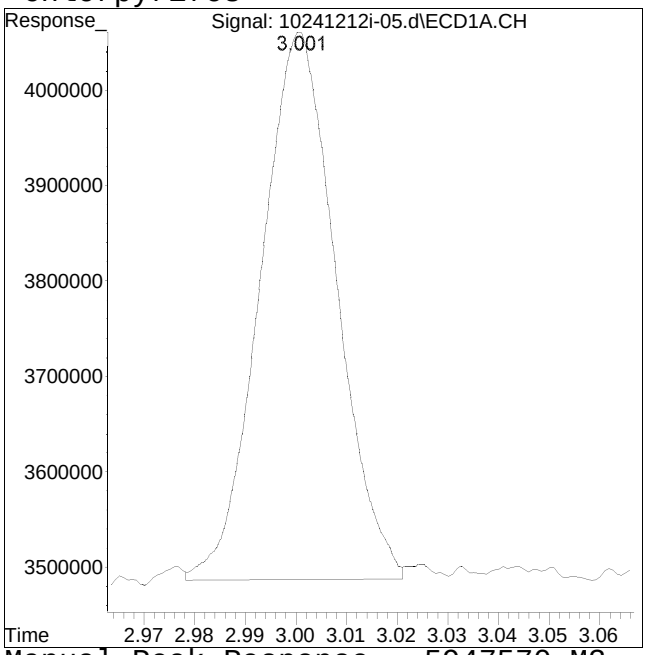
Original Peak Response = 1458874 Manual Peak Response = 1503418 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #11: Chlorpyrifos



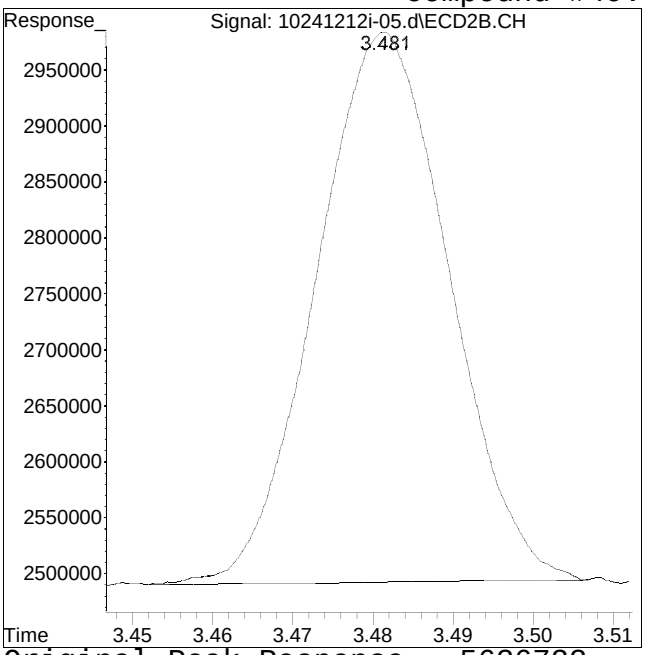


Original Peak Response = 6193136 Manual Peak Response = 5947570 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

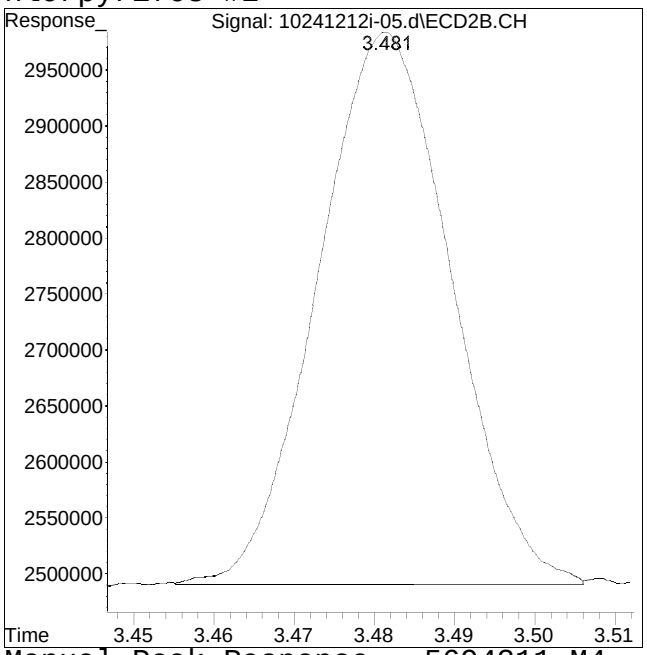
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #49: Chlorpyrifos #2



Original Peak Response = 5636723



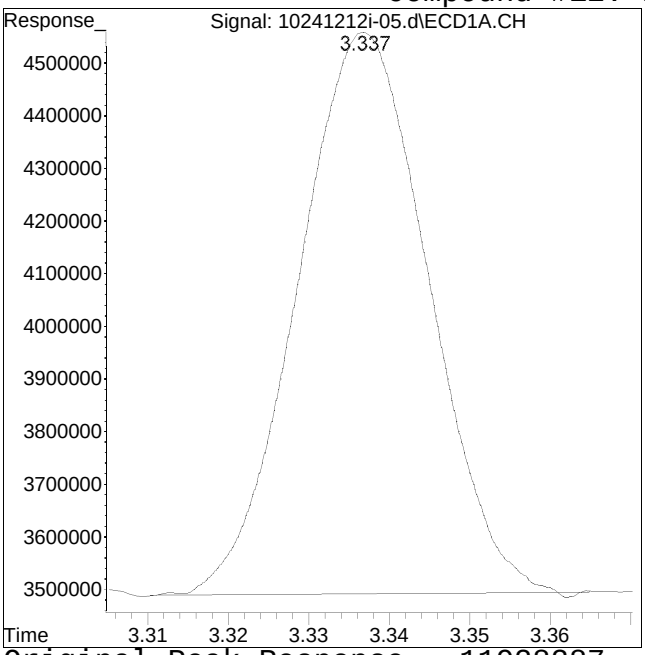
Manual Peak Response = 5694211 M4

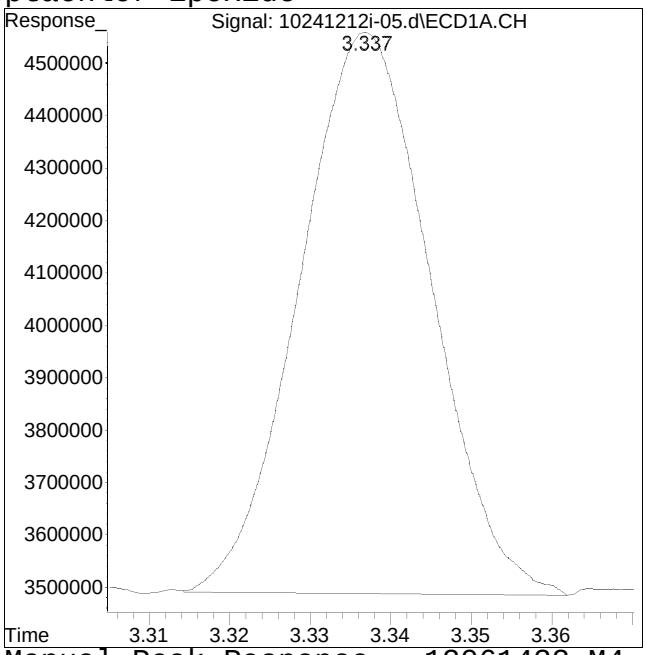
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #12: Heptachlor Epoxide



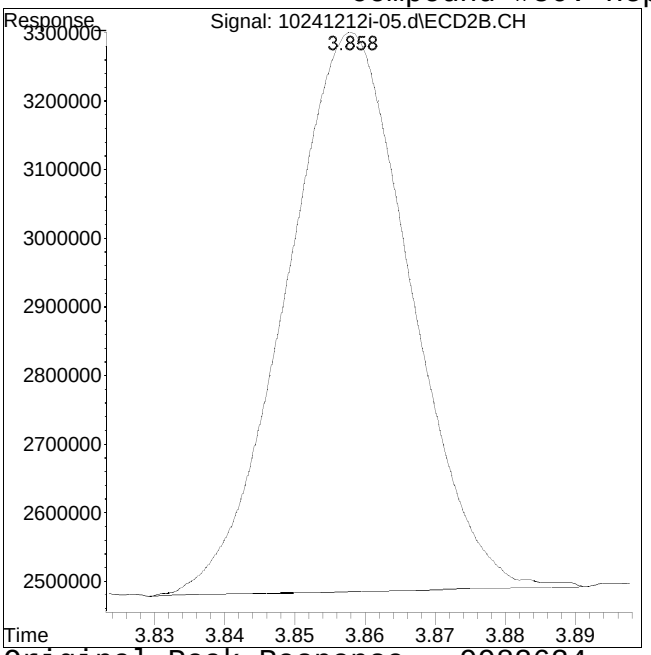


Original Peak Response = 11928287 Manual Peak Response = 12061432 M4
M4 = Poor automated baseline construction.

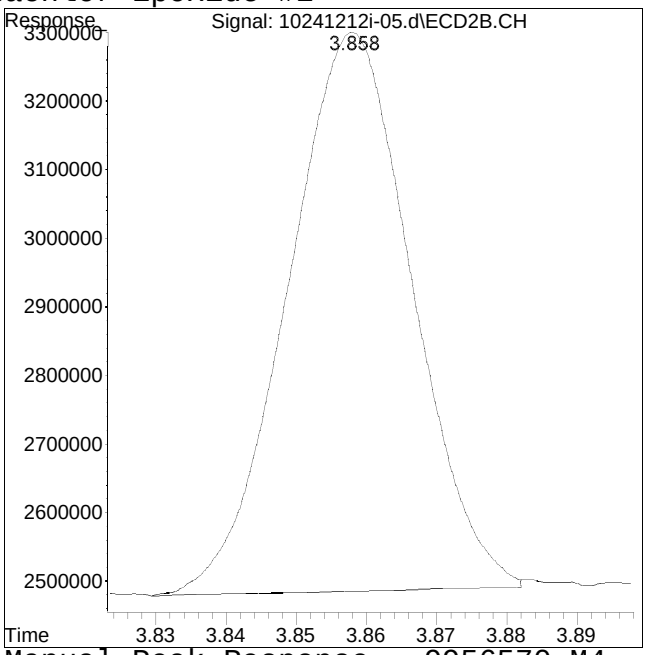
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #50: Heptachlor Epoxide #2



Original Peak Response = 9982624



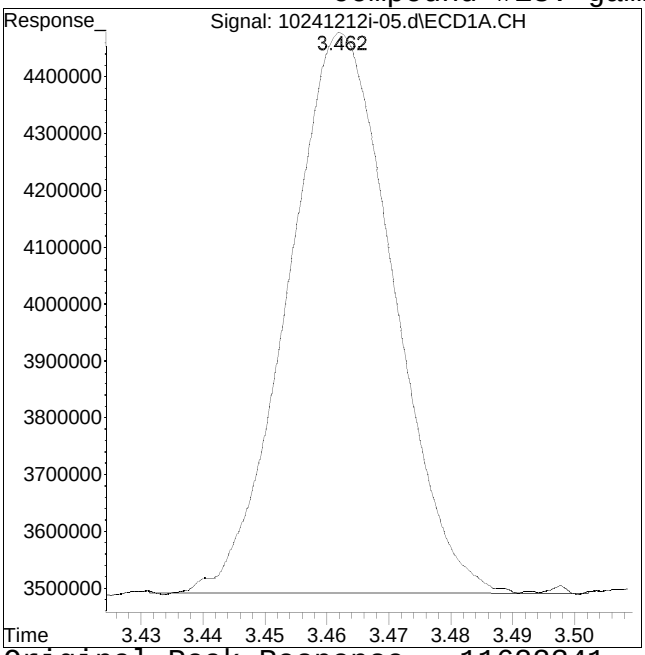
Manual Peak Response = 9956570 M4

M4 = Poor automated baseline construction.

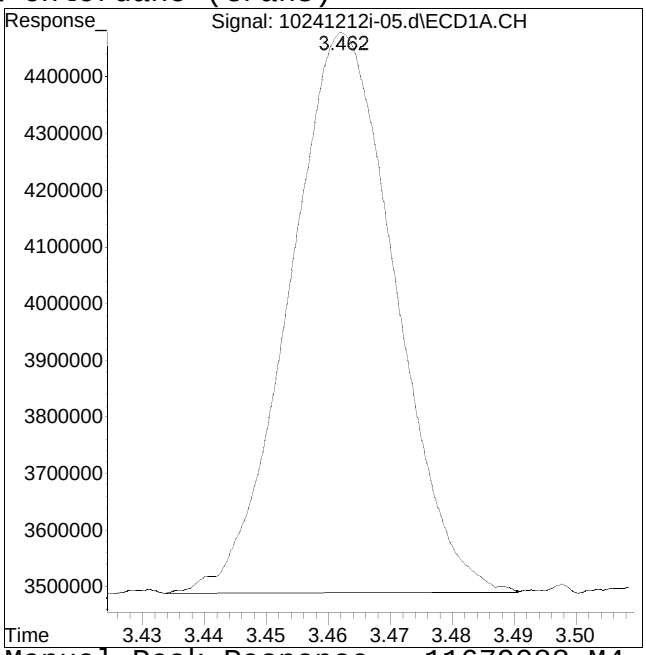
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #13: gamma-Chlordane (trans)



Original Peak Response = 11622341



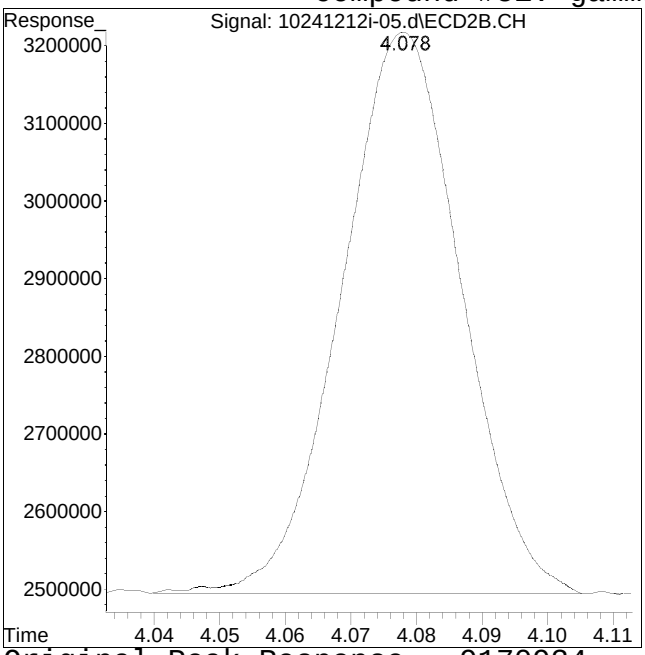
Manual Peak Response = 11679088 M4

M4 = Poor automated baseline construction.

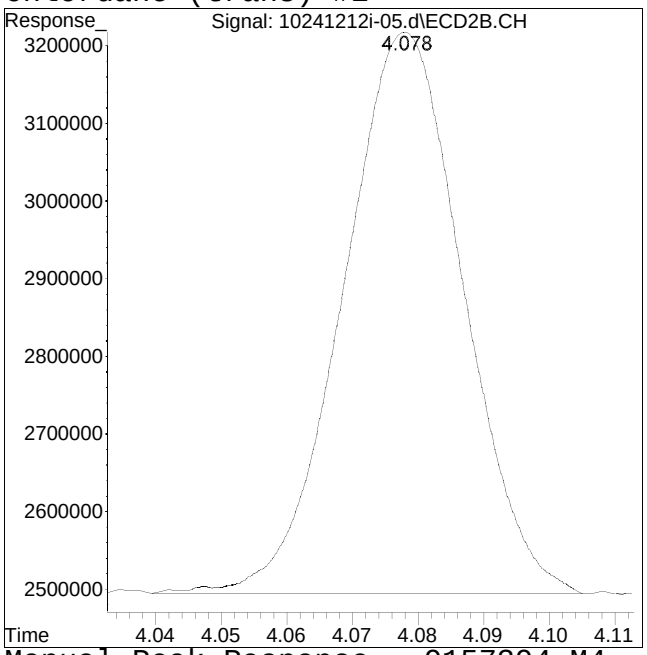
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 9170934



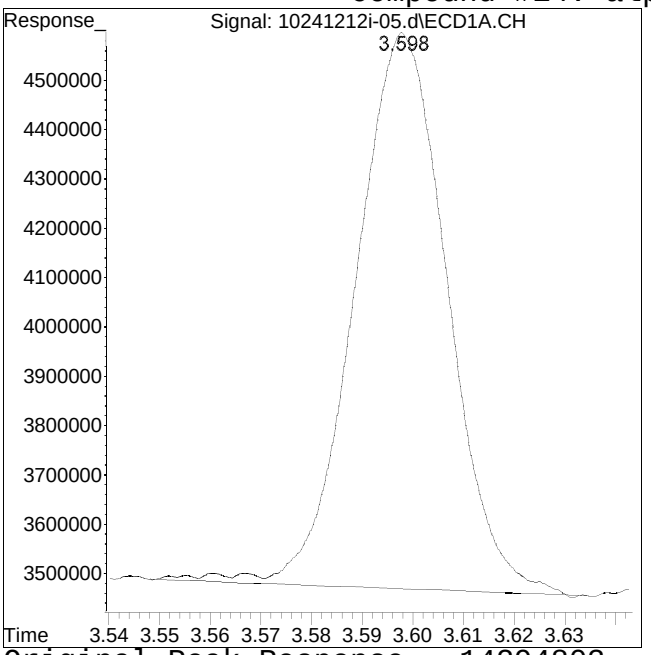
Manual Peak Response = 9157394 M4

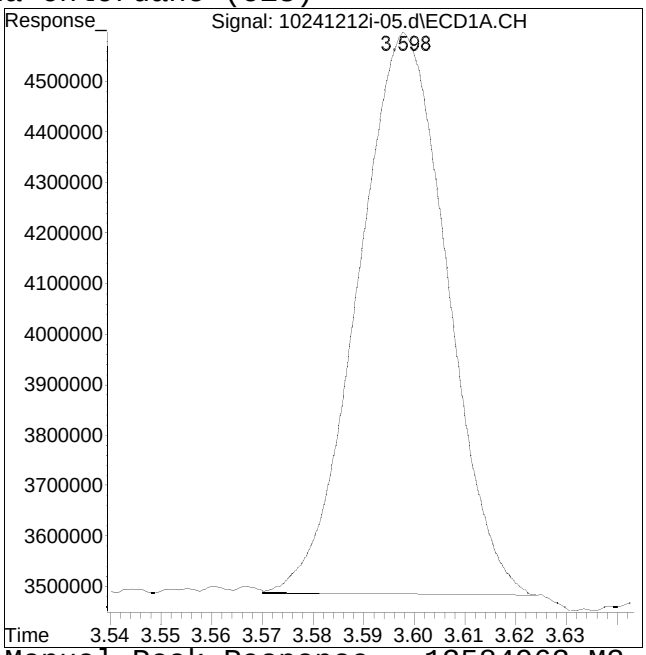
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #14: alpha-Chlordane (cis)



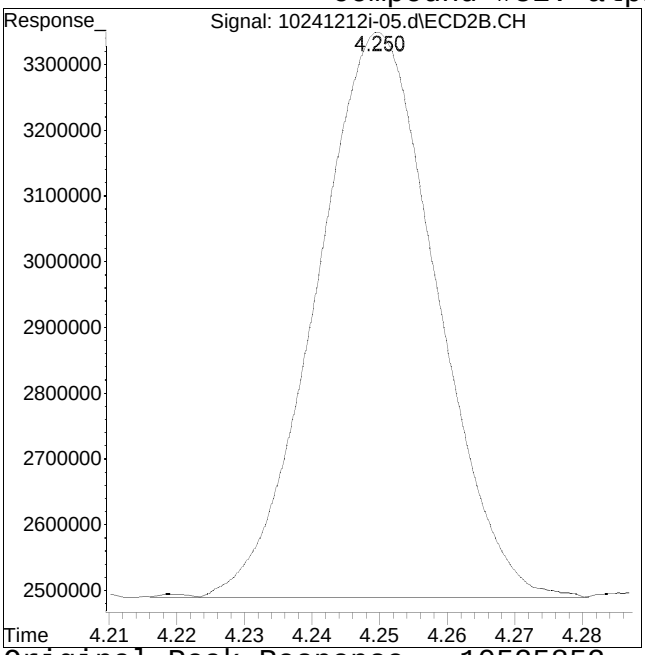


Original Peak Response = 14294803 Manual Peak Response = 13584963 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

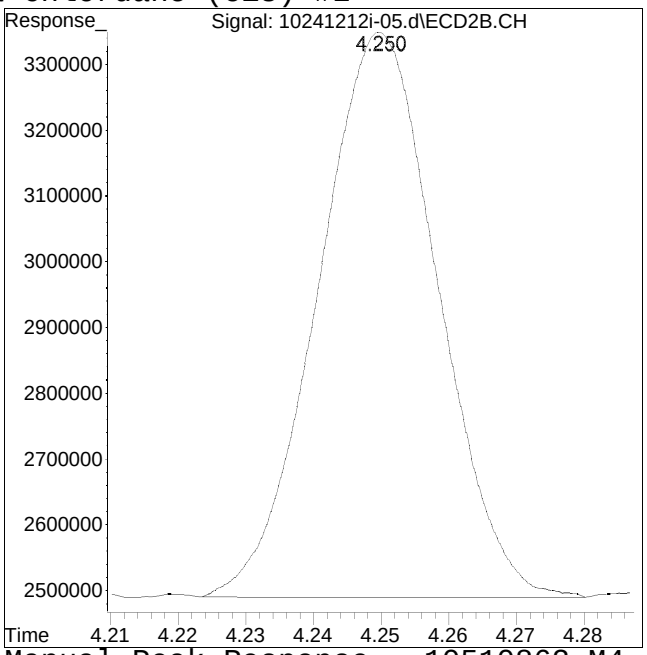
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #52: alpha-Chlordane (cis) #2



Original Peak Response = 10525852

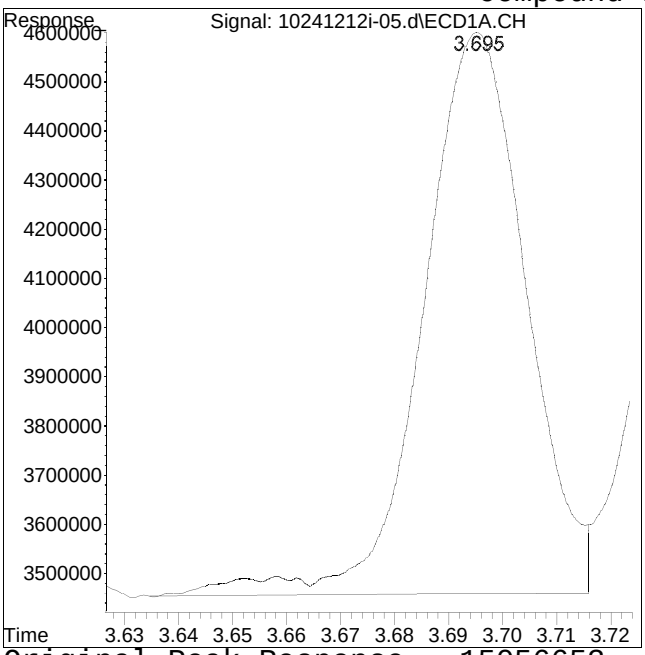


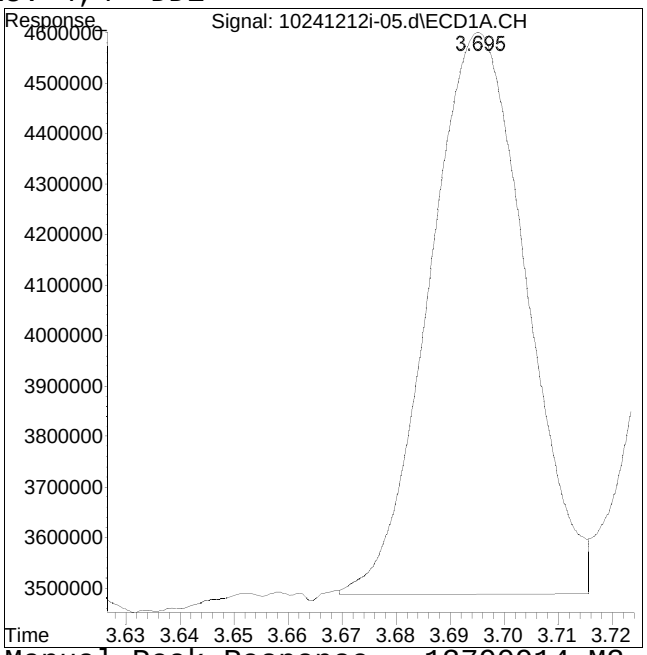
Manual Peak Response = 10510862 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #15: 4,4'-DDE



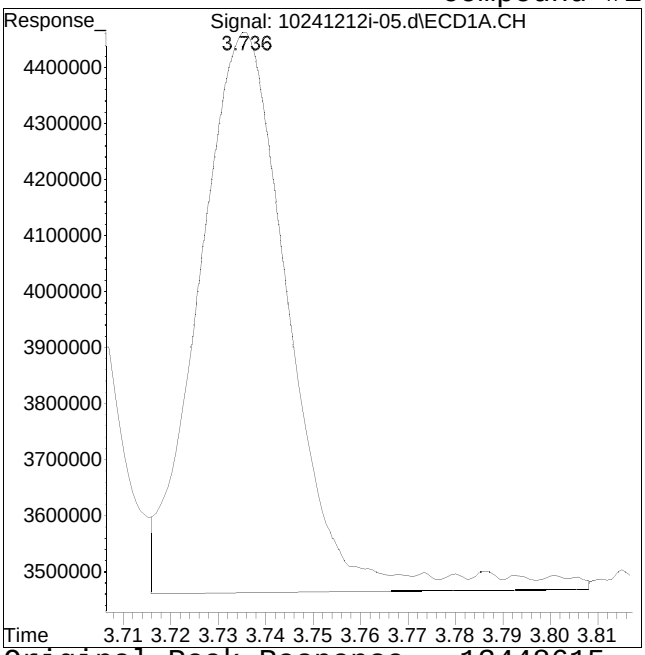


Original Peak Response = 15056653 Manual Peak Response = 13790914 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

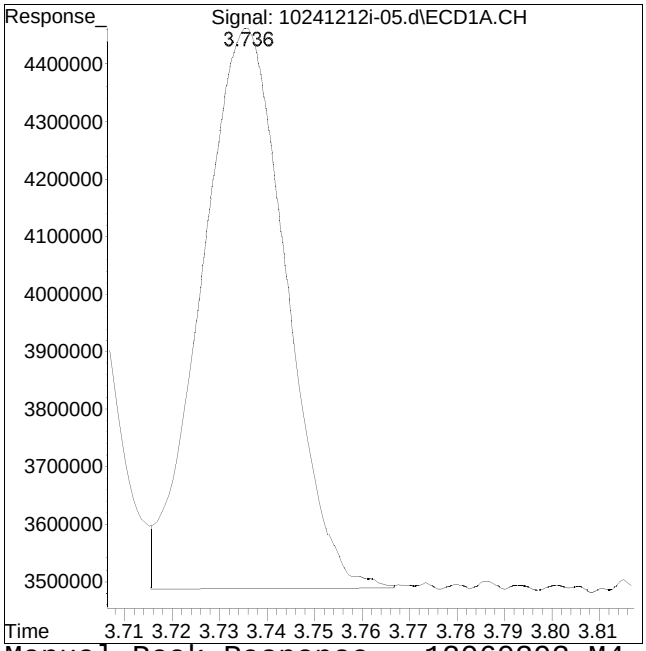
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #16: Endosulfan I



Original Peak Response = 13448615



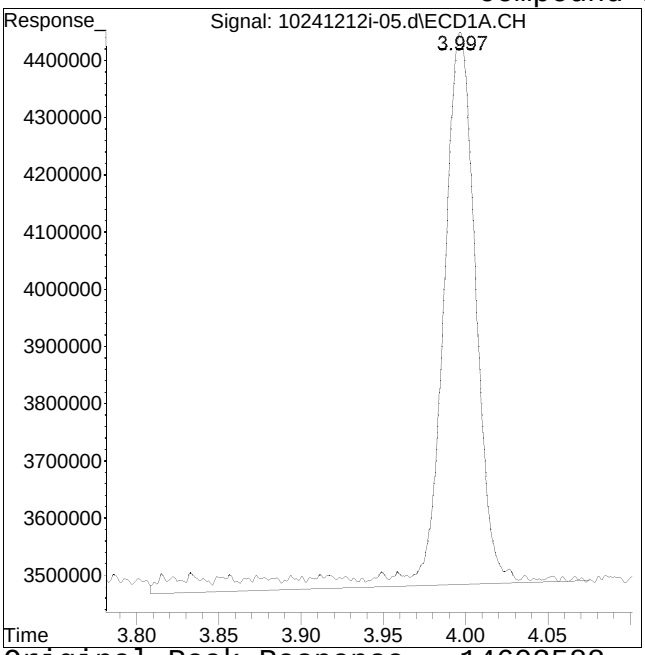
Manual Peak Response = 12060393 M4

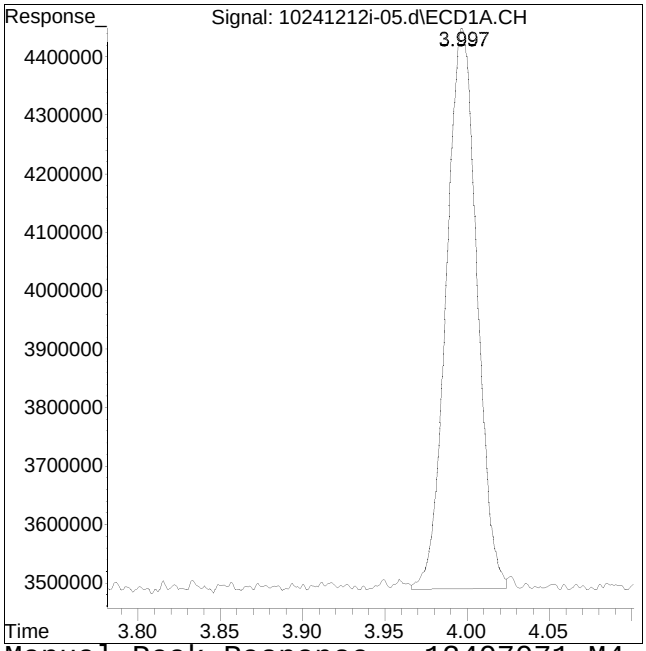
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #17: Dieldrin



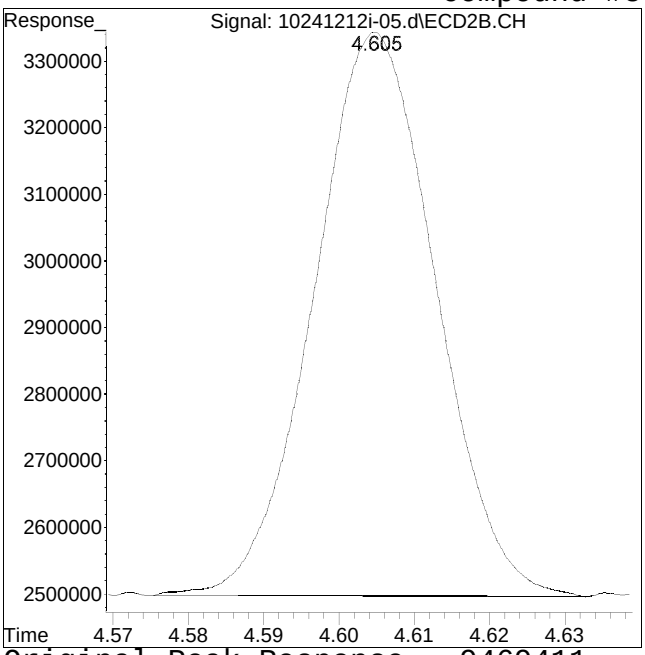


Original Peak Response = 14603588 Manual Peak Response = 12407071 M4
M4 = Poor automated baseline construction.

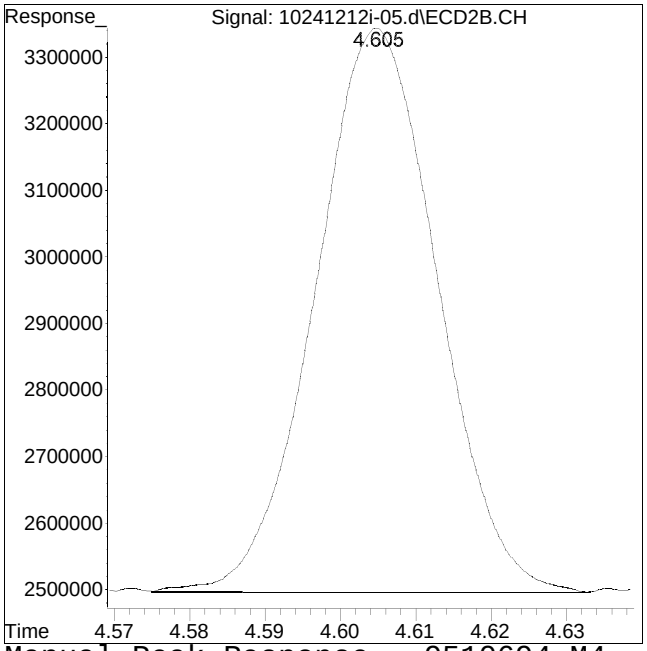
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #55: Dieldrin #2



Original Peak Response = 9469411



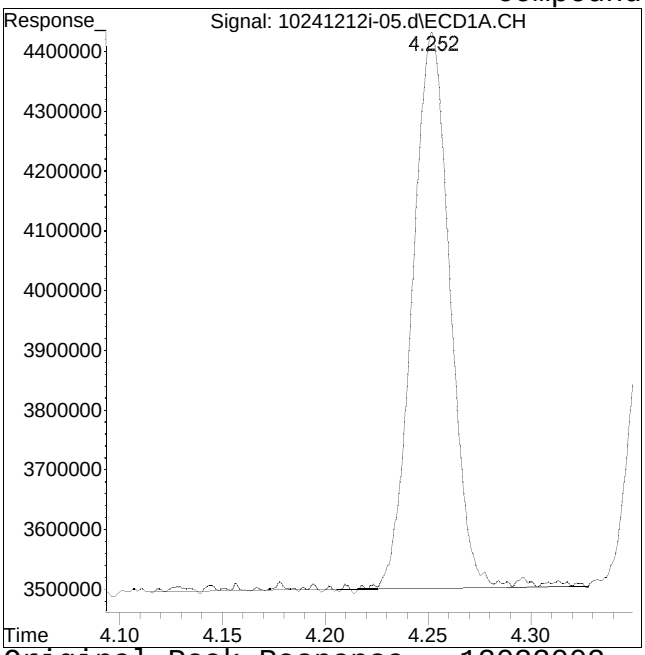
Manual Peak Response = 9510694 M4

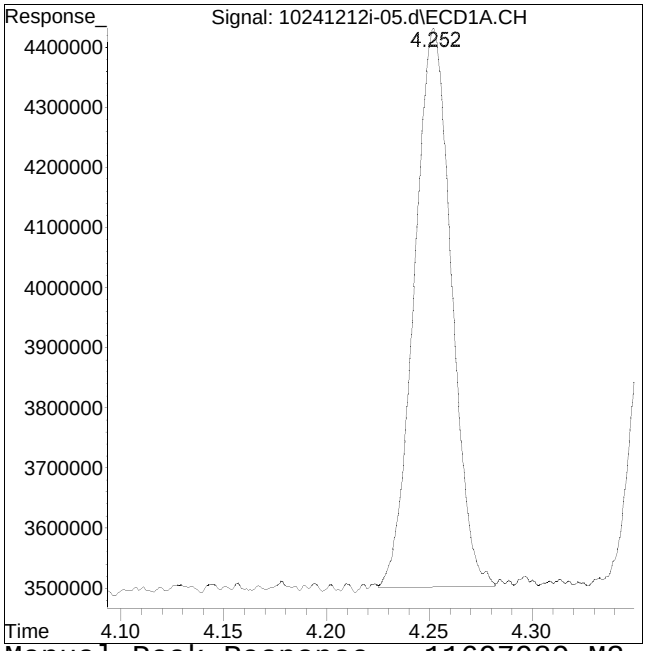
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #18: Endrin



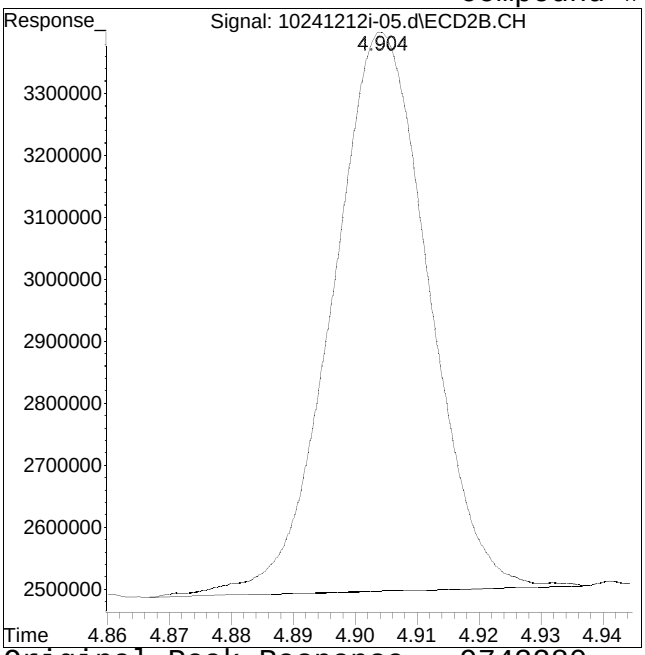


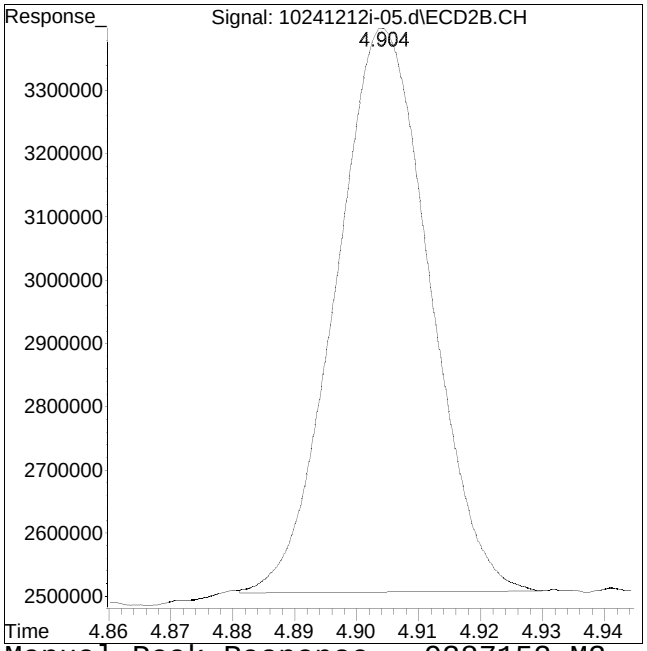
Original Peak Response = 12033002 Manual Peak Response = 11697989 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #56: Endrin #2



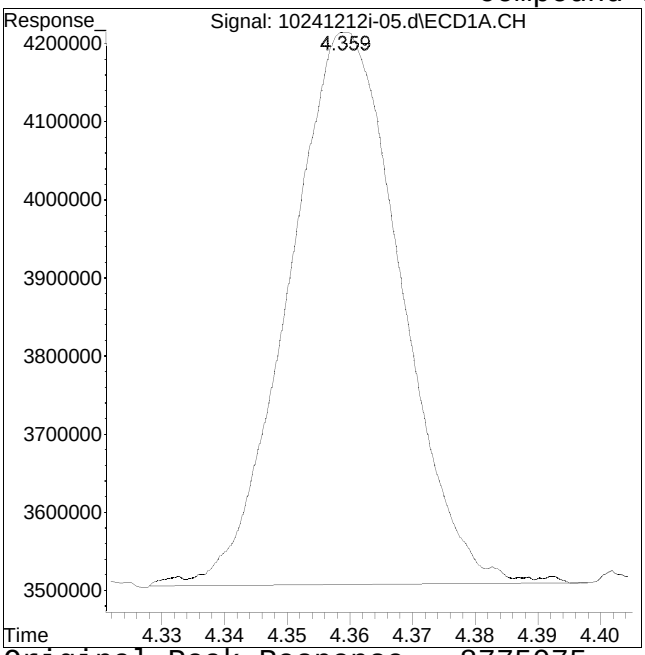


Original Peak Response = 9743280 Manual Peak Response = 9387152 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

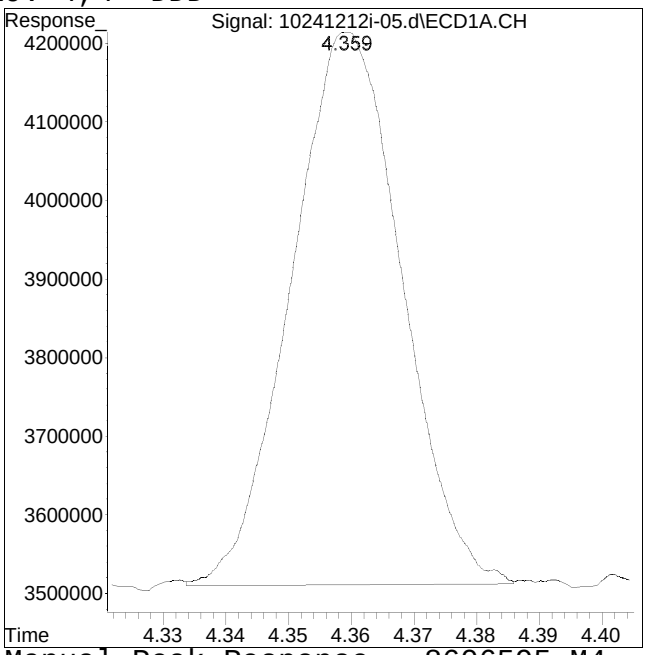
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #19: 4,4'-DDD



Original Peak Response = 8775075



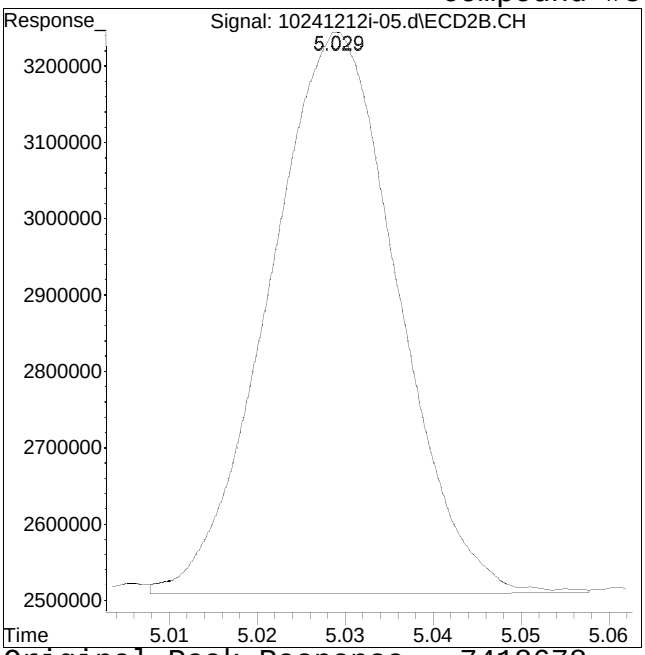
Manual Peak Response = 8606595 M4

M4 = Poor automated baseline construction.

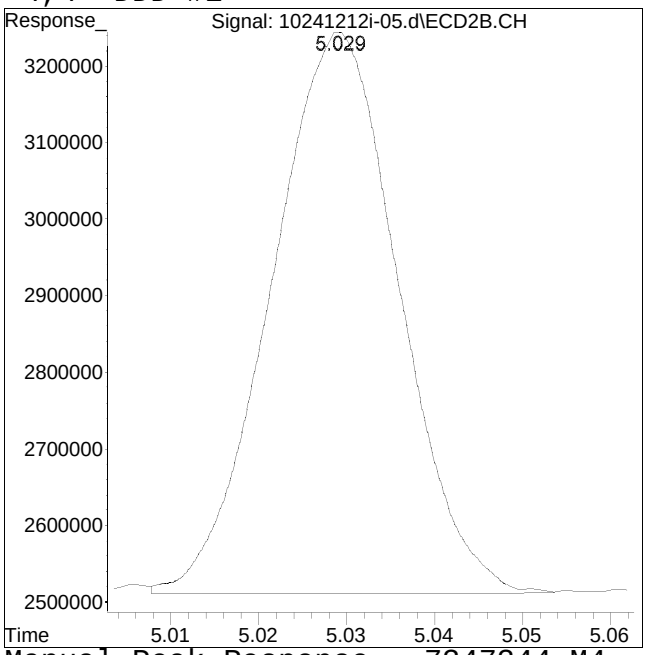
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #57: 4,4'-DDD #2



Original Peak Response = 7418678



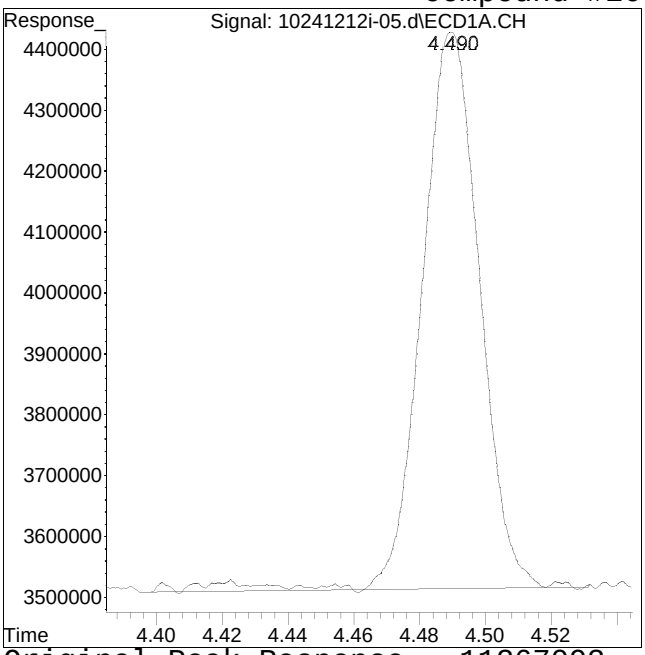
Manual Peak Response = 7347344 M4

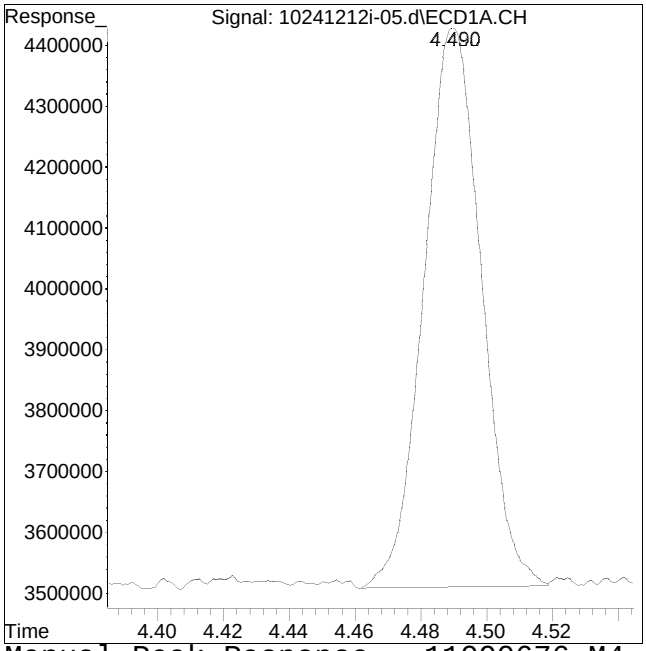
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #20: Endosulfan II



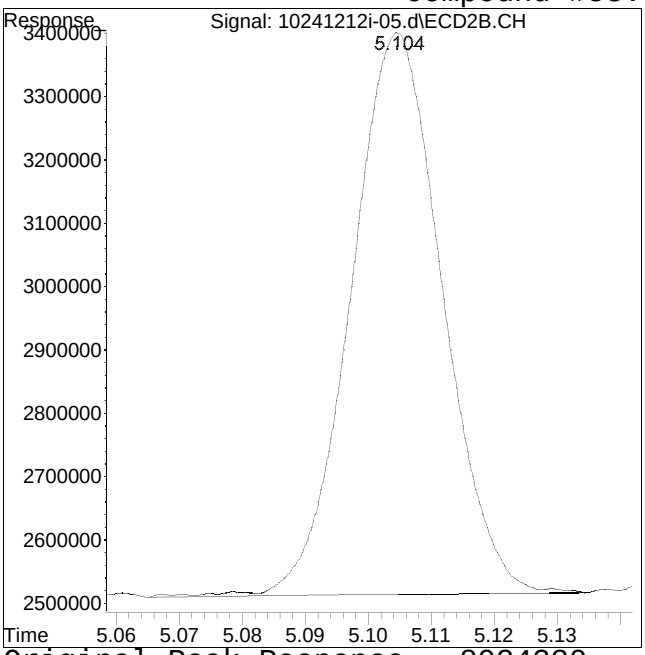


Original Peak Response = 11267093 Manual Peak Response = 11090676 M4
M4 = Poor automated baseline construction.

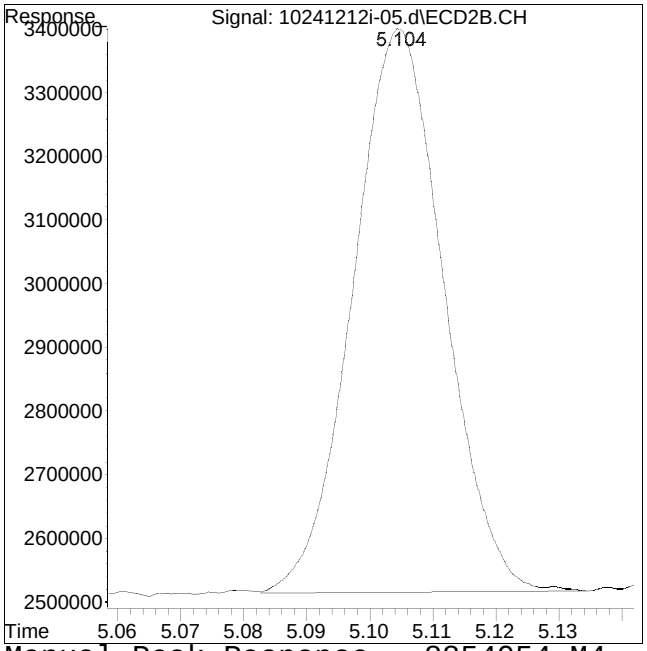
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #58: Endosulfan II #2



Original Peak Response = 8934330



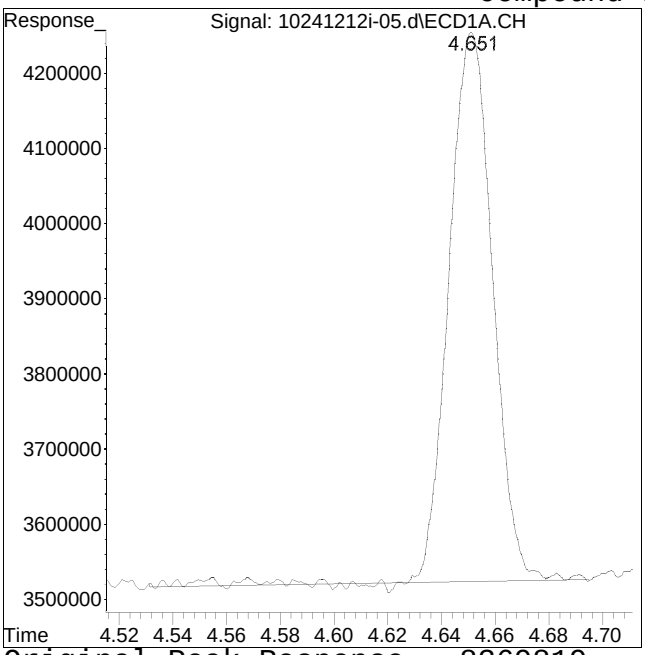
Manual Peak Response = 8854054 M4

M4 = Poor automated baseline construction.

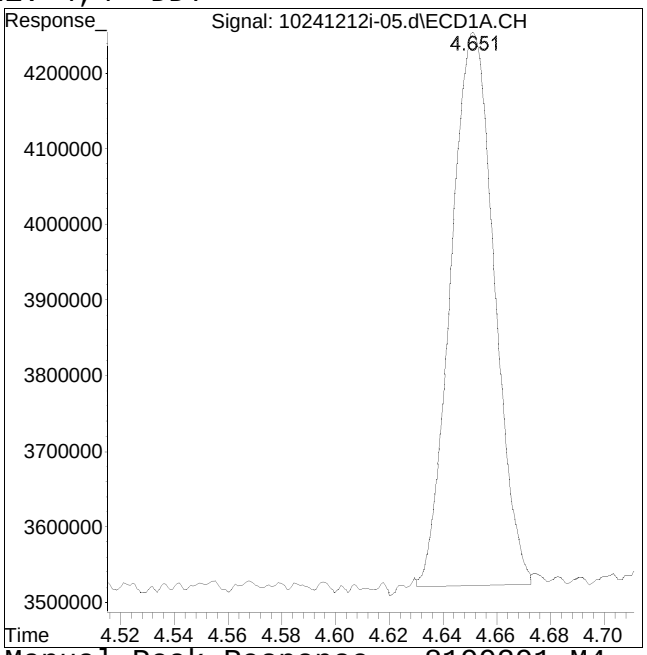
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #21: 4,4'-DDT



Original Peak Response = 8369819



Manual Peak Response = 8199291 M4

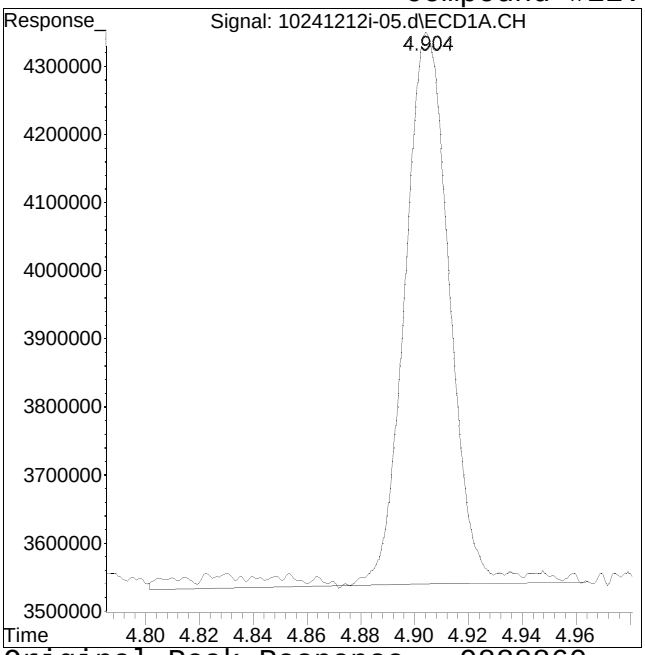
M4 = Poor automated baseline construction.

Manual Integration Report

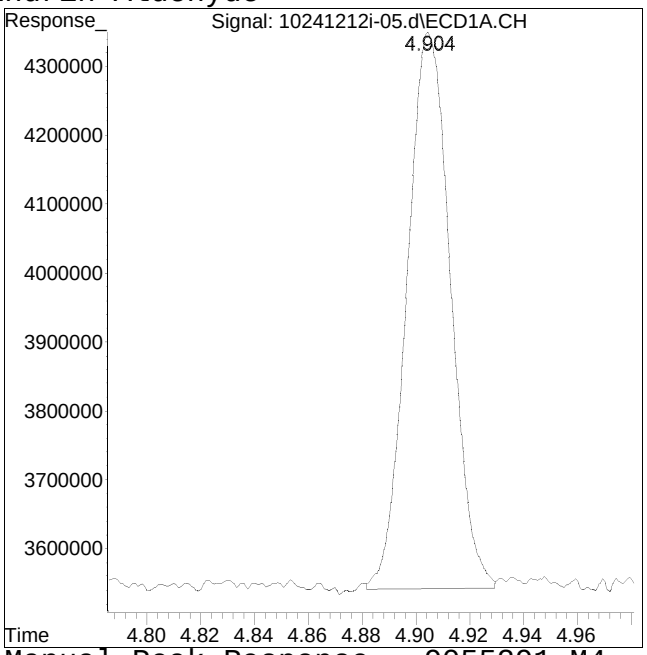
Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-05.d
Date Inj'd : 12/12/2024 20:07
Sample : il3pest,42e,,pp 11929 L0.0

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 10:40 am

Compound #22: Endrin Aldehyde



Original Peak Response = 9888860



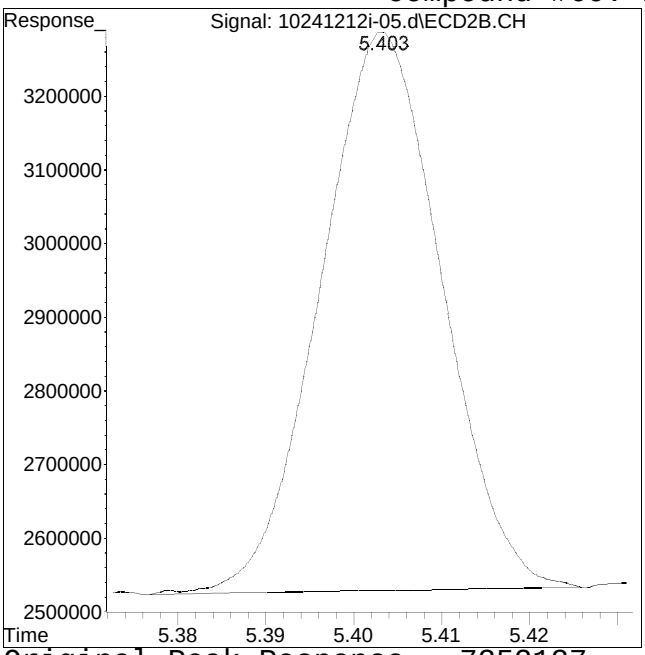
Manual Peak Response = 9055291 M4

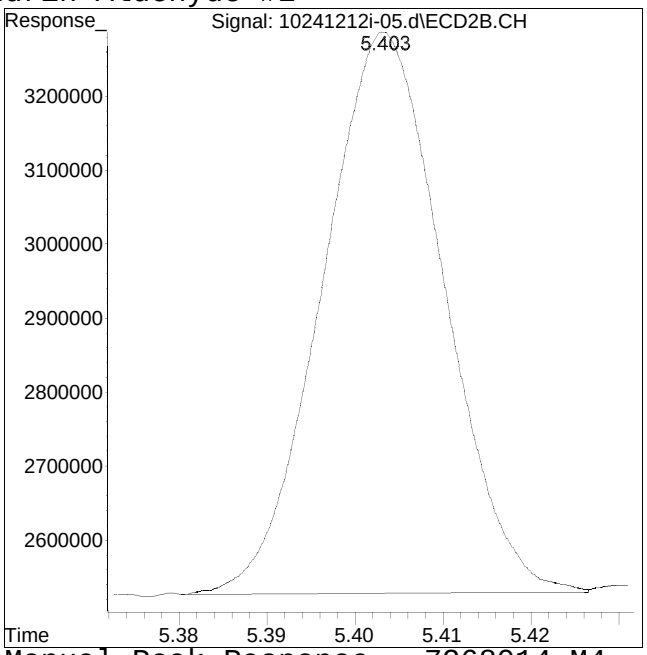
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #60: Endrin Aldehyde #2



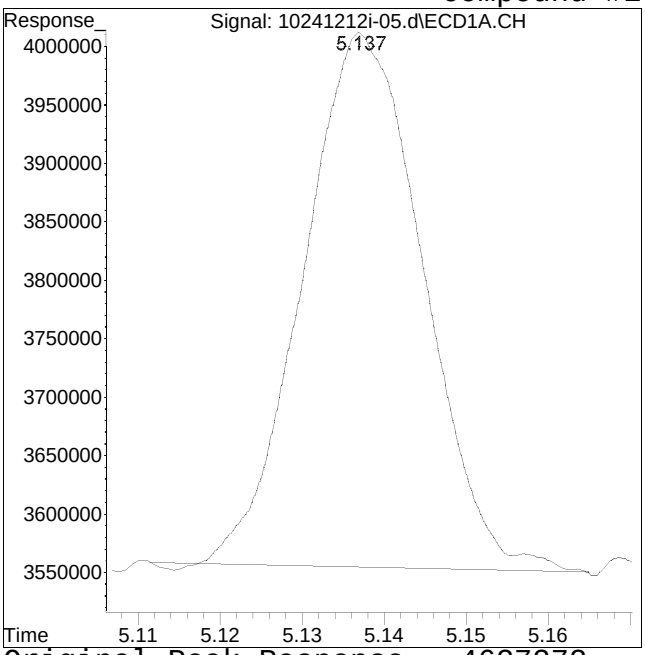


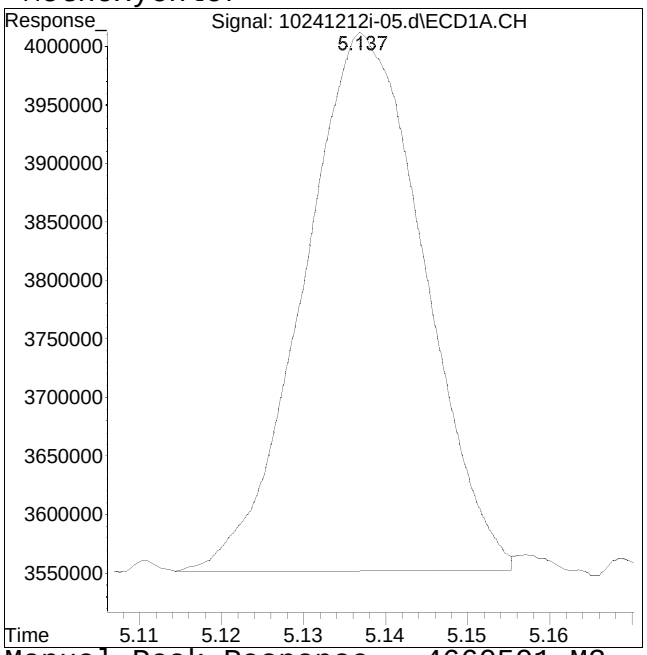
Original Peak Response = 7252127 Manual Peak Response = 7268014 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #23: Methoxychlor



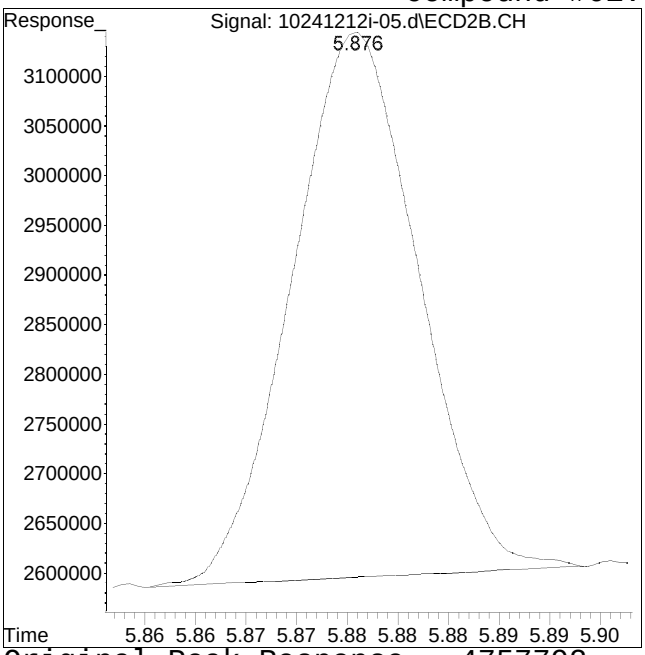


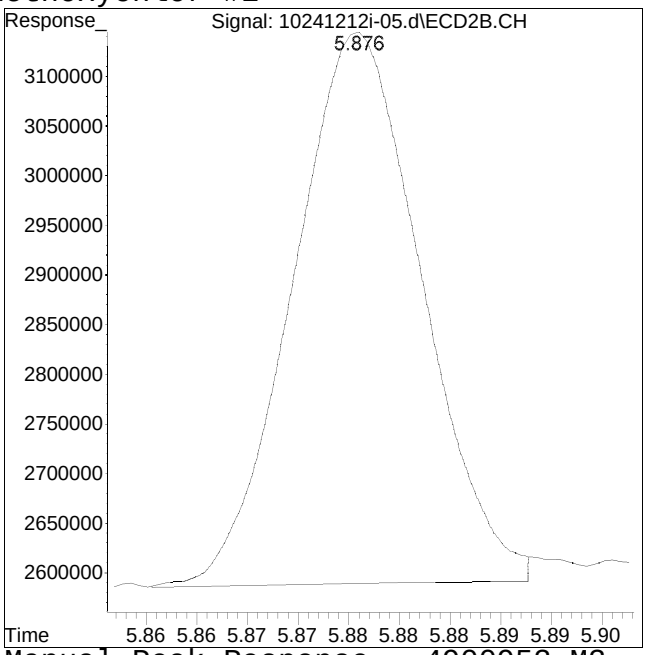
Original Peak Response = 4627272 Manual Peak Response = 4660501 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #61: Methoxychlor #2



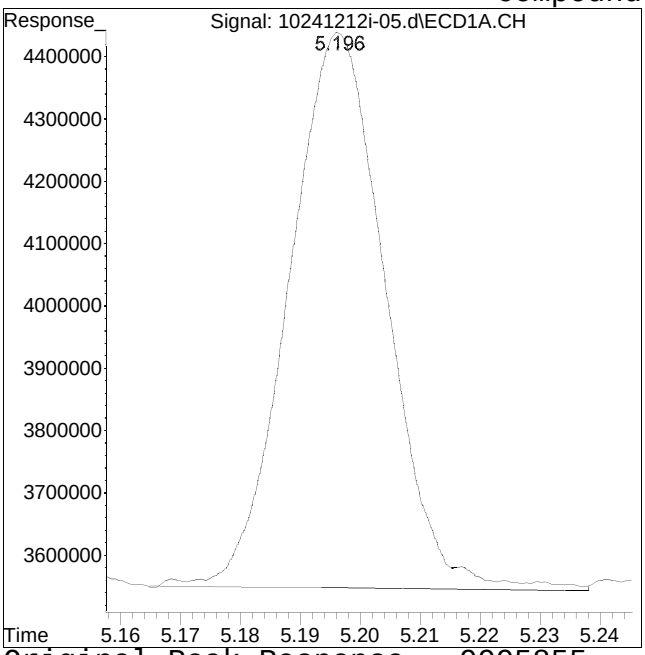


Original Peak Response = 4757792 Manual Peak Response = 4900953 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

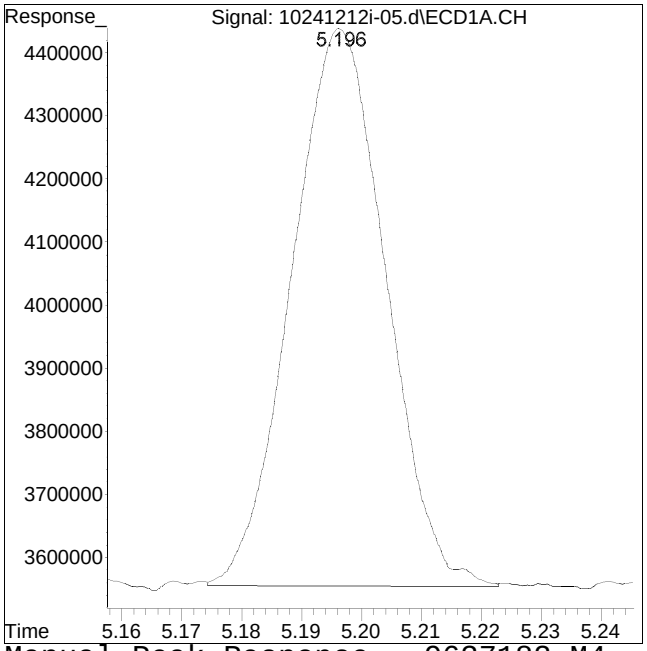
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #24: Mirex



Original Peak Response = 9995855



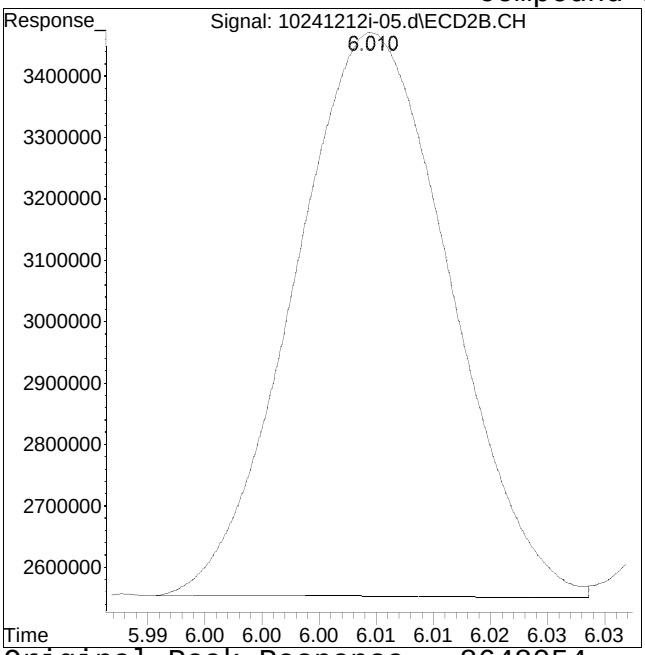
Manual Peak Response = 9637182 M4

M4 = Poor automated baseline construction.

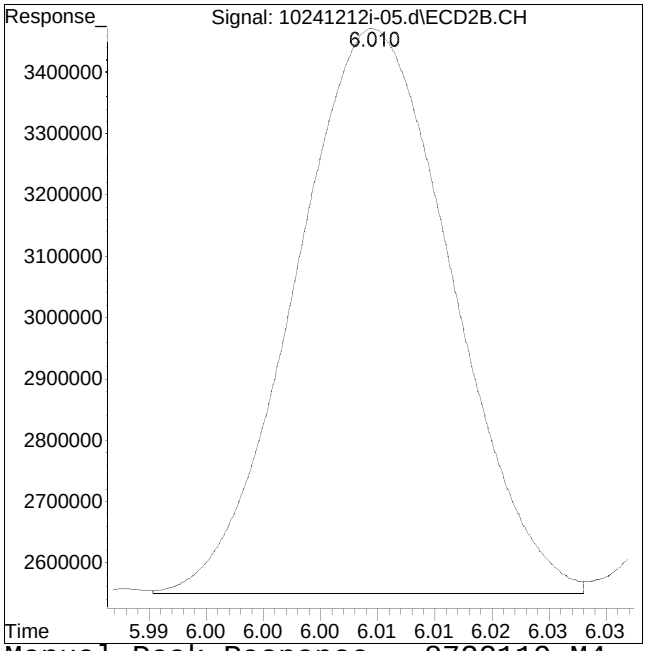
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #62: Mirex #2



Original Peak Response = 8648054



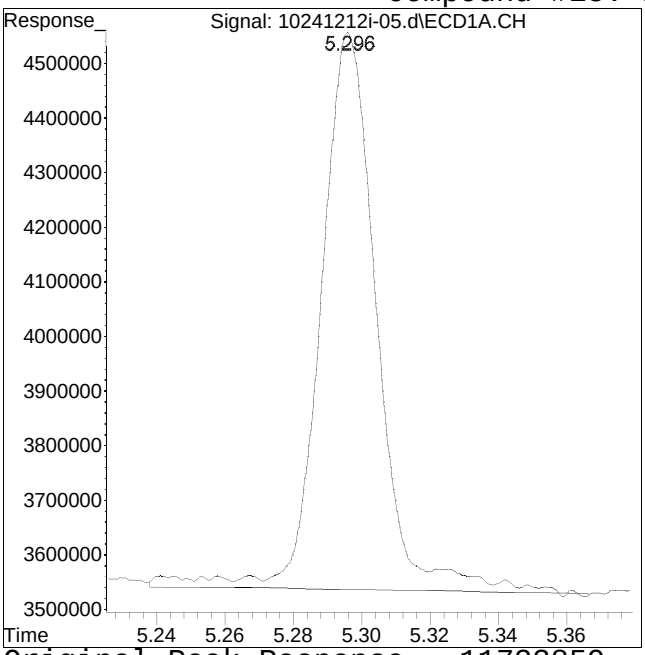
Manual Peak Response = 8722119 M4

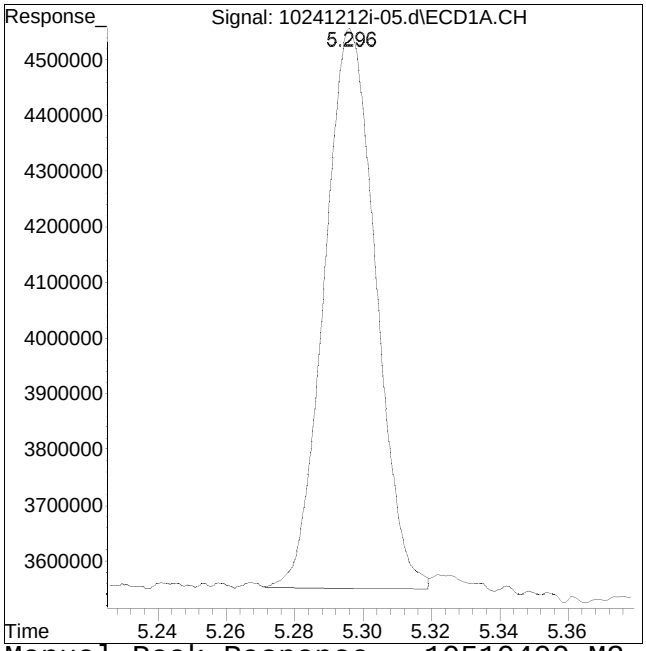
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #25: Endosulfan Sulfate



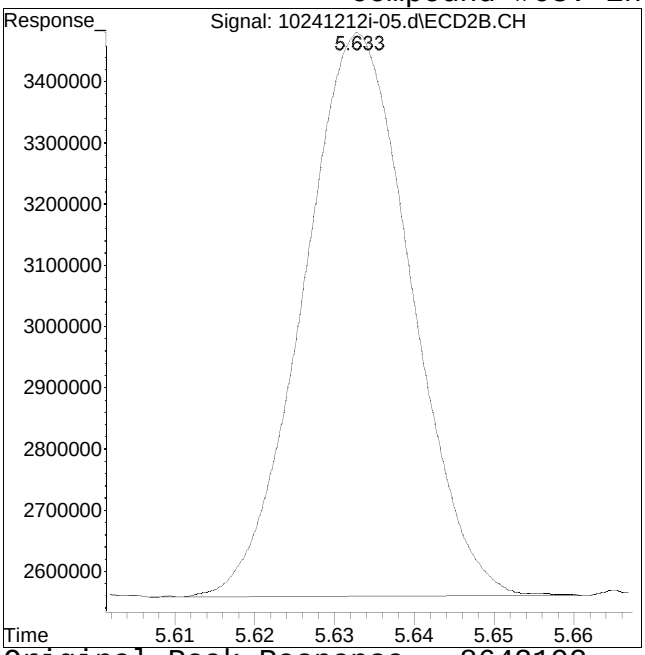


Original Peak Response = 11733859 Manual Peak Response = 10510400 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

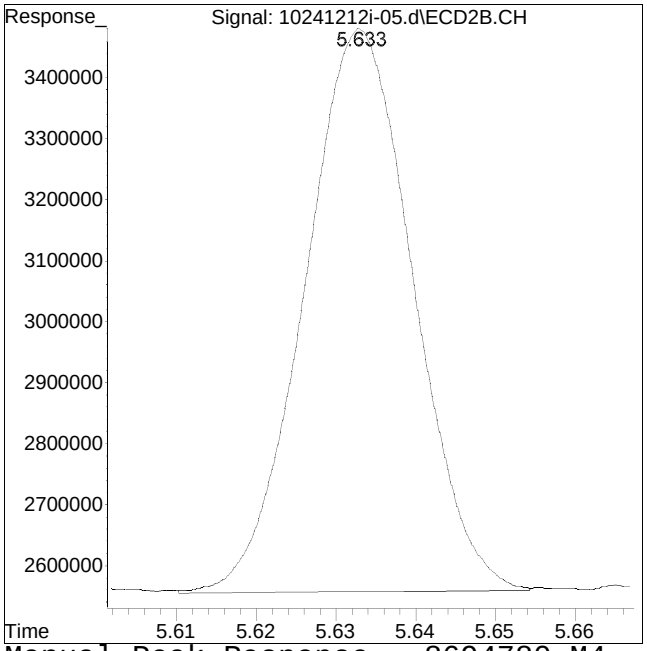
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #63: Endosulfan Sulfate #2



Original Peak Response = 8642192



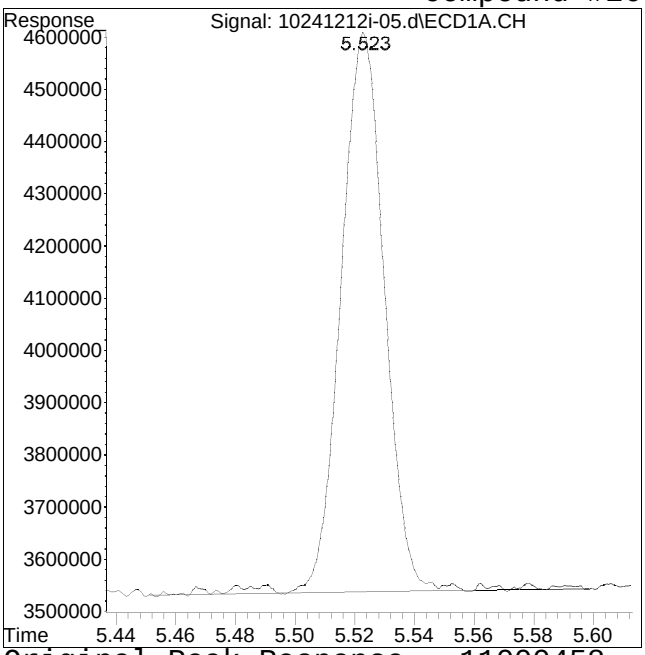
Manual Peak Response = 8694780 M4

M4 = Poor automated baseline construction.

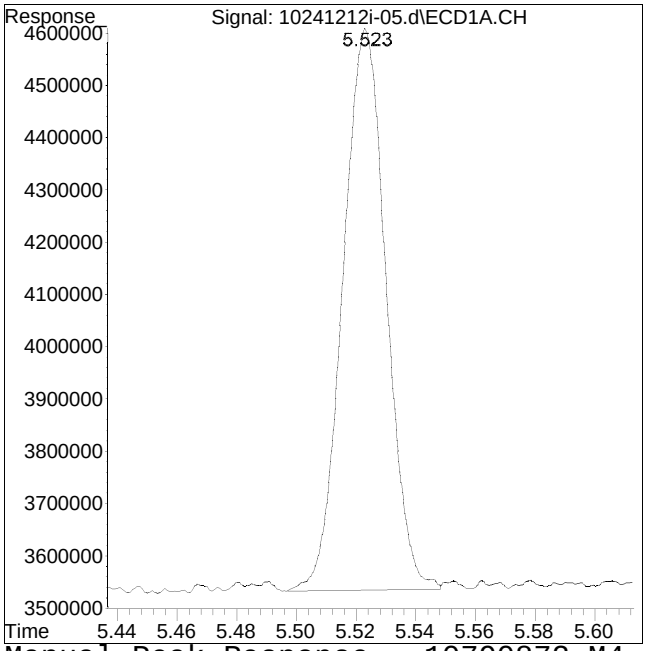
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #26: Endrin Ketone



Original Peak Response = 11000458



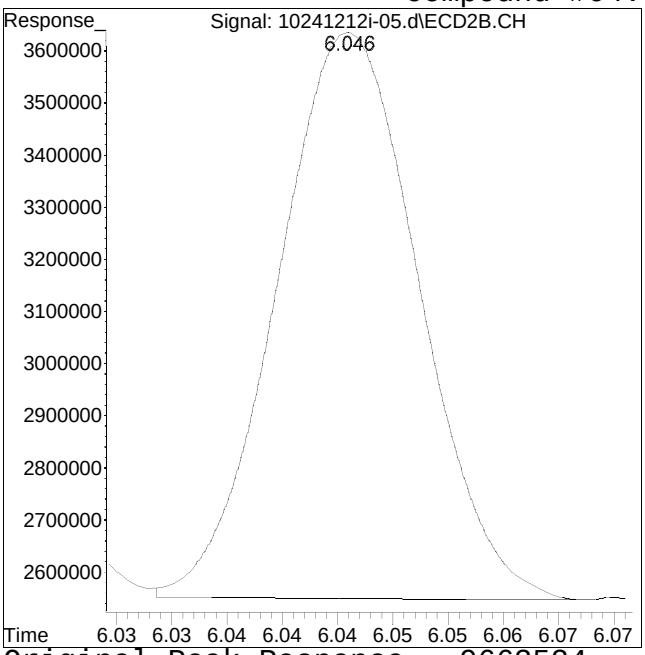
Manual Peak Response = 10790872 M4

M4 = Poor automated baseline construction.

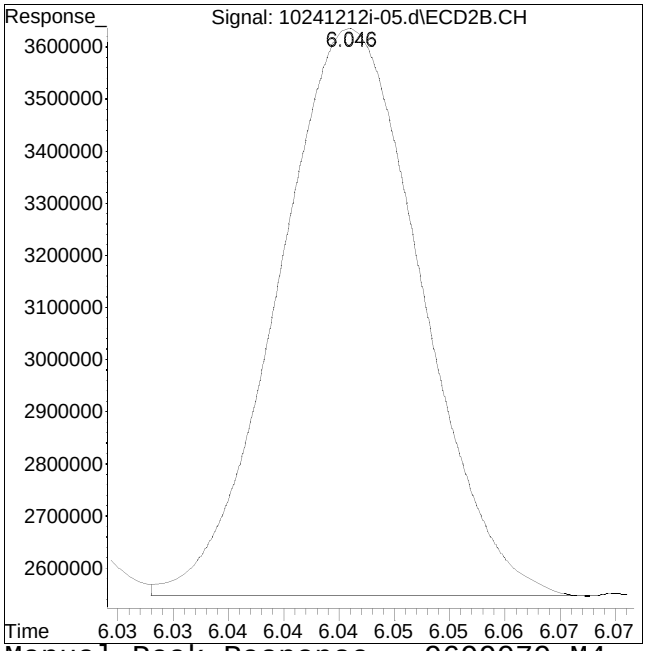
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #64: Endrin Ketone #2



Original Peak Response = 9663524



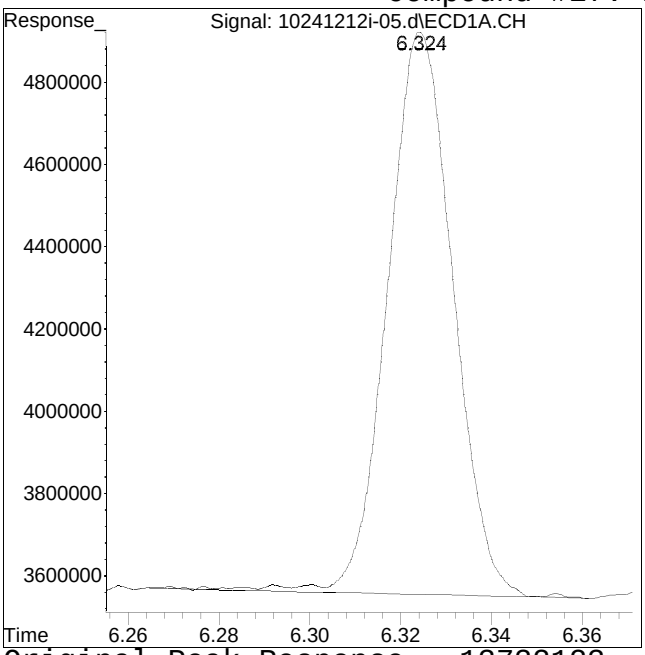
Manual Peak Response = 9699079 M4

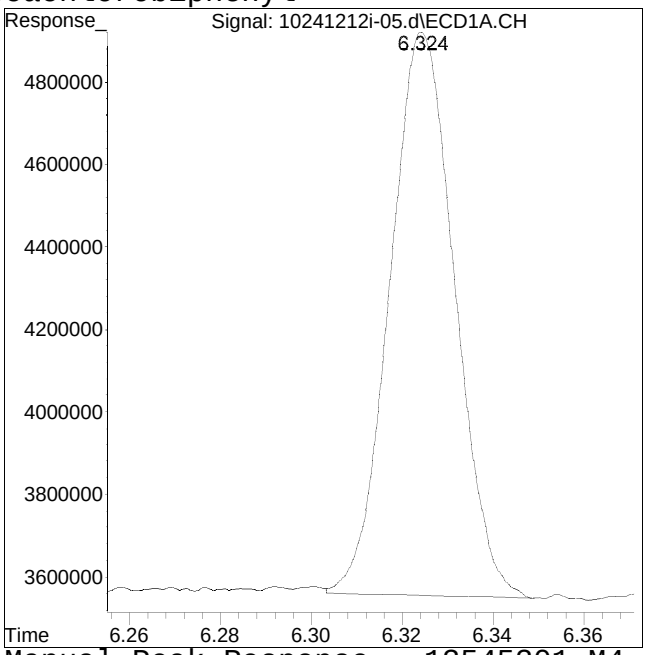
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-05.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:07 Instrument : Pest 10
Sample : il3pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:40 am

Compound #27: Decachlorobiphenyl





Original Peak Response = 13732123 Manual Peak Response = 13545301 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 20:18
Operator : PEST10:ejl
Sample : il4pest,42e,,pp 11929 L0.003
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 10:29:29 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 10:29:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.326	1.365	79764570	75651626	25.000M3	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.672	1.836	20872601	12974364	3.897M3	3.294M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		7.79%#	6.59%#
27) s	Decachlorobi	6.324	6.907	19511791	15695361	3.973M4	3.614
	Spiked Amount 50.000	Range 30 - 150		Recovery =		7.95%#	7.23%#
	Target Compounds						
3) t	Hexachlorobe	1.888	2.154	22278707	14642809	3.969M3	3.405M4
4) t	alpha-BHC	1.987	2.249	20011743	15492576	3.635M4	2.857M4
5) t	gamma-BHC (l	2.191	2.533	17806412	14644116	3.669M3	2.976
6) t	beta-BHC	2.248	2.597	9056887	7431213	3.911M3	3.356M4
7) t	delta-BHC	2.378	2.862	18666764	14587525	3.616M3	2.870M4
8) t	Heptachlor	2.542	2.927	16859774	14929528	3.817M3	3.141M4
9) t	Aldrin	2.788	3.245	19876287	15380386	3.680M3	2.973M3
10) t	Alachlor	2.907	3.128	2681240	2206942	3.833M3	3.375M4
11) t	Chlorpyrifos	3.000	3.481	8770040	8518782	4.047M3	3.646

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 20:18
Operator : PEST10:ejl
Sample : il4pest,42e,,pp 11929 L0.003
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 10:29:29 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 10:29:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.337	3.858	17614755	15029392	3.703M3	3.154
13)	t	gamma-Chlord	3.462	4.078	16983012	13745564	3.687M4	3.082M4
14)	t	alpha-Chlord	3.598	4.250	20411149	15825888	3.803M4	3.121
15)	t	4,4'-DDE	3.695	4.449	20376877	15026818	3.602M3	2.904M4
16)	t	Endosulfan I	3.735	4.311	17856180	14140979	3.742M4	3.055M4
17)	t	Dieldrin	3.997	4.605	18188098	14293861	3.622M3	2.965M3
18)	t	Endrin	4.252	4.904	17230531	14247344	3.680M4	2.998M4
19)	t	4,4'-DDD	4.359	5.029	12821967	11160284	3.645M4	2.963M3
20)	t	Endosulfan I	4.489	5.105	16527585	13284302	3.759M4	3.112M3
21)	t	4,4'-DDT	4.651	5.308	12296574	12386151	3.569M4	3.071M4
22)	t	Endrin Aldeh	4.905	5.403	13611332	11184407	3.619M3	3.104M4
23)	t	Methoxychlor	5.137	5.876	7033852	7441621	3.881M3	3.437M3
24)	t	Mirex	5.196	6.010	14271646	13072728	3.937M4	3.539
25)	t	Endosulfan S	5.296	5.633	15746472	12906358	3.827M3	3.268M4
26)	t	Endrin Keton	5.523	6.047	15865727	14489844	3.820M4	3.248
29)	l1	chlordane-1	0.000	0.000	0	0	N.D.	N.D.
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 20:18
Operator : PEST10:ejl
Sample : il4pest,42e,,pp 11929 L0.003
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 10:29:29 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 10:29:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

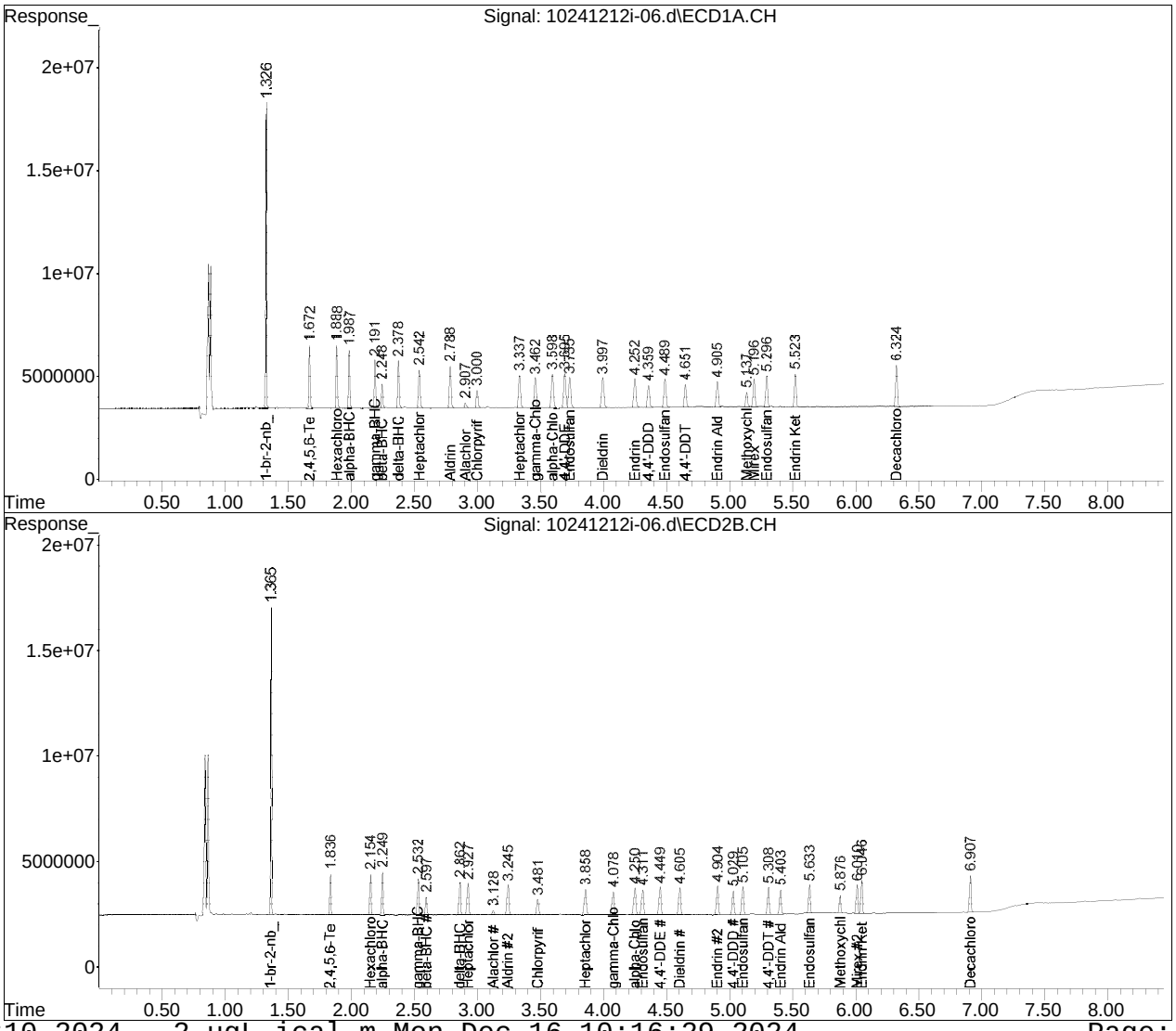
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 20:18
Operator : PEST10:ejl
Sample : il4pest,42e,,pp 11929 L0.003
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 10:29:29 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 10:29:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

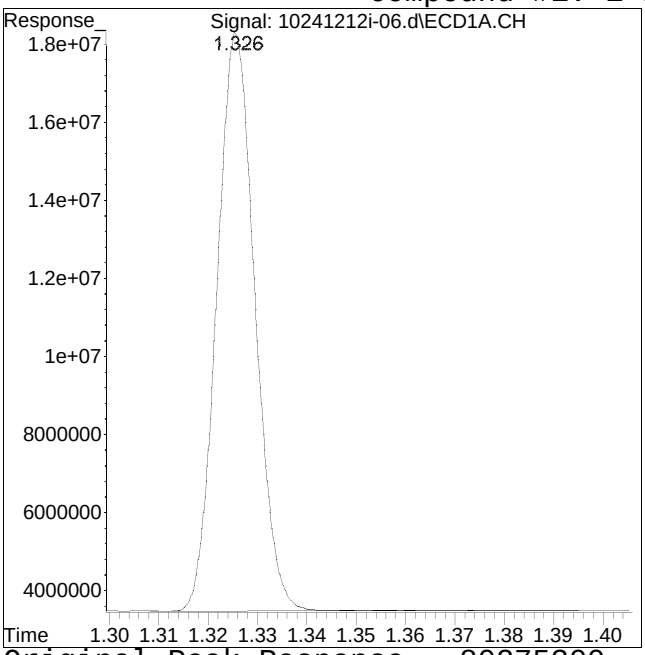
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

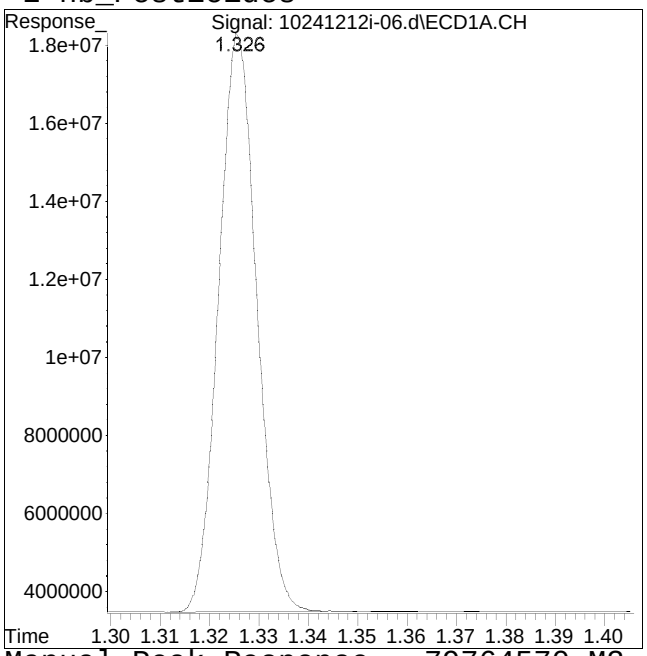


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-06.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:18 Instrument : Pest 10
Sample : il4pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:29 am

Compound #1: 1-br-2-nb_Pesticides



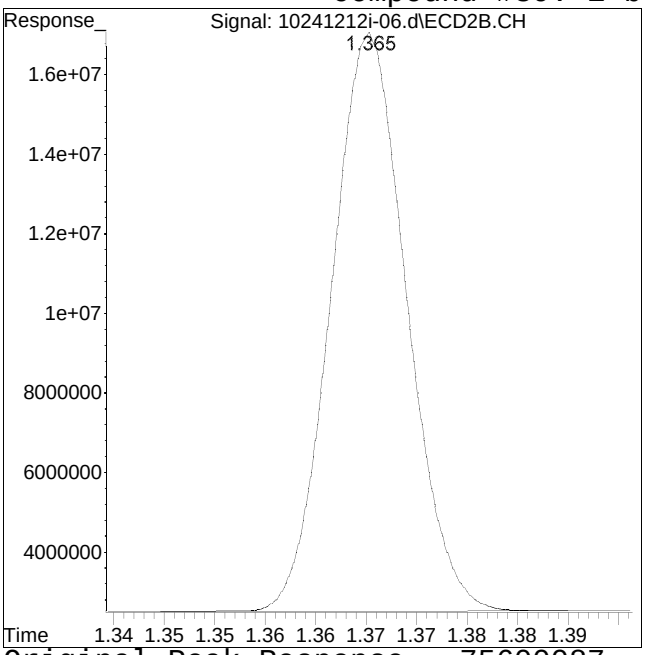


Original Peak Response = 80275300 Manual Peak Response = 79764570 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

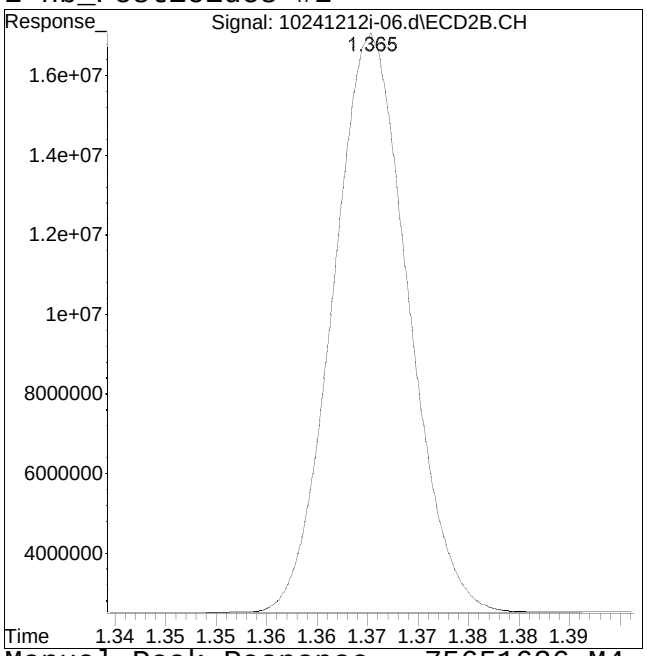
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-06.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:18 Instrument : Pest 10
Sample : il4pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:29 am

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 75600087



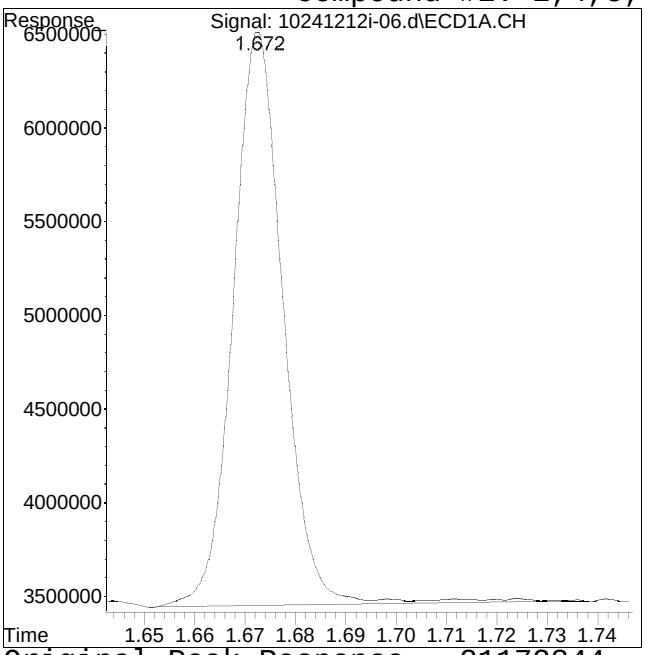
Manual Peak Response = 75651626 M4

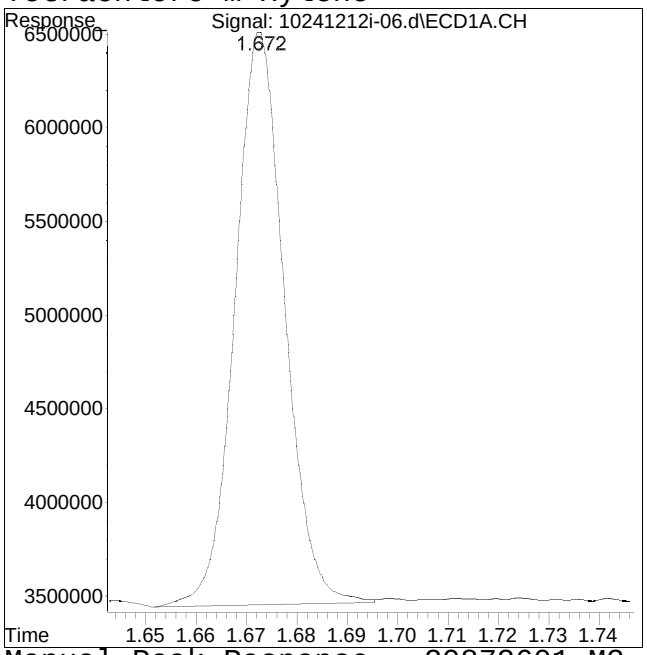
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-06.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:18 Instrument : Pest 10
Sample : il4pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:29 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



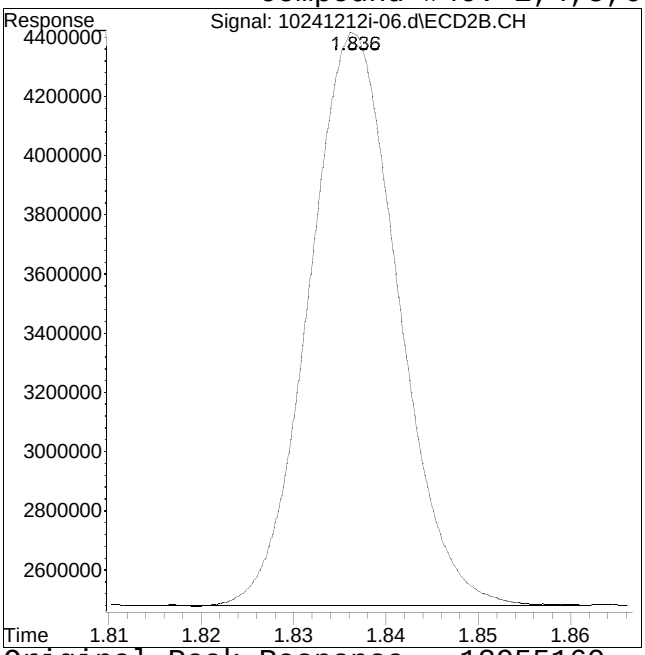


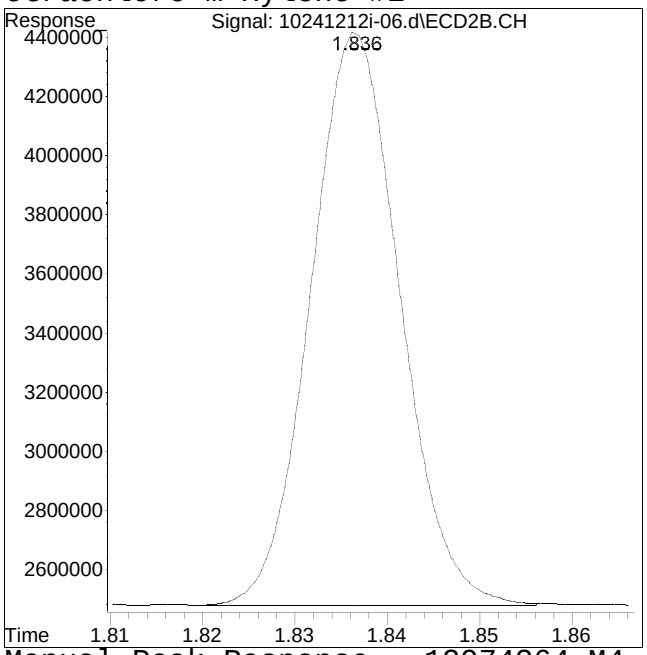
Original Peak Response = 21172344 Manual Peak Response = 20872601 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-06.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:18 Instrument : Pest 10
Sample : il4pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:29 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



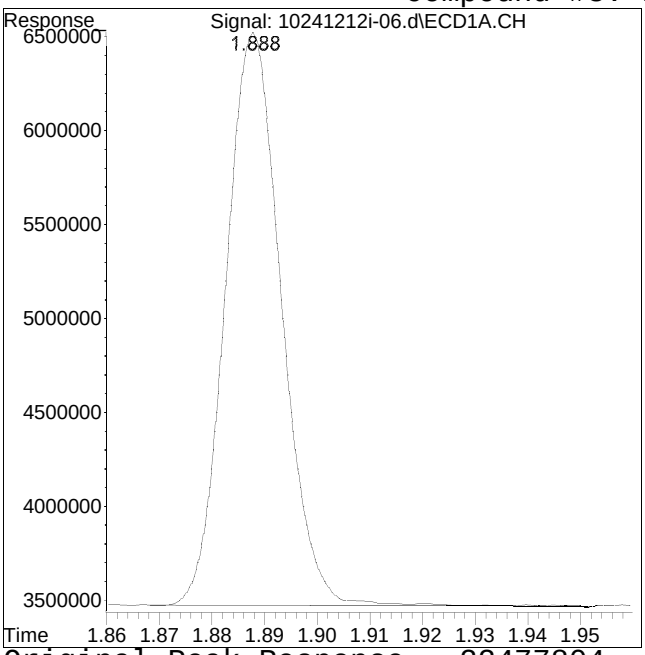


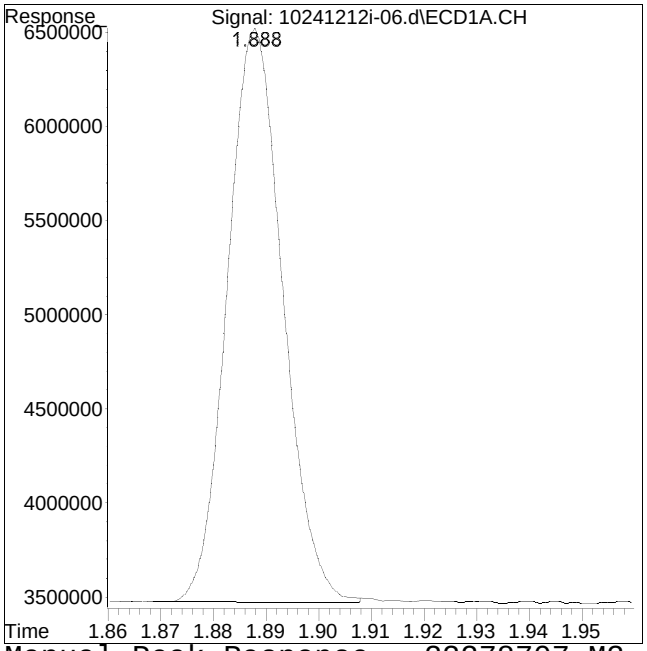
Original Peak Response = 12955160 Manual Peak Response = 12974364 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-06.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:18 Instrument : Pest 10
Sample : il4pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:29 am

Compound #3: Hexachlorobenzene



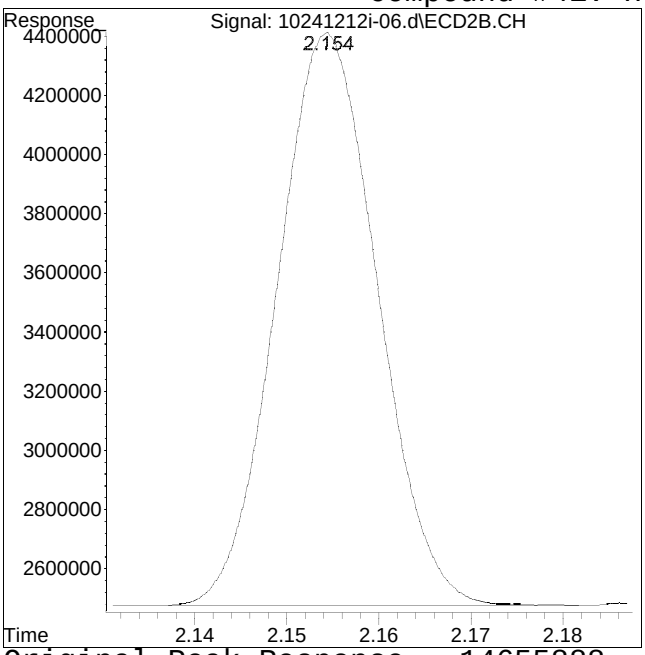


Original Peak Response = 22477804 Manual Peak Response = 22278707 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

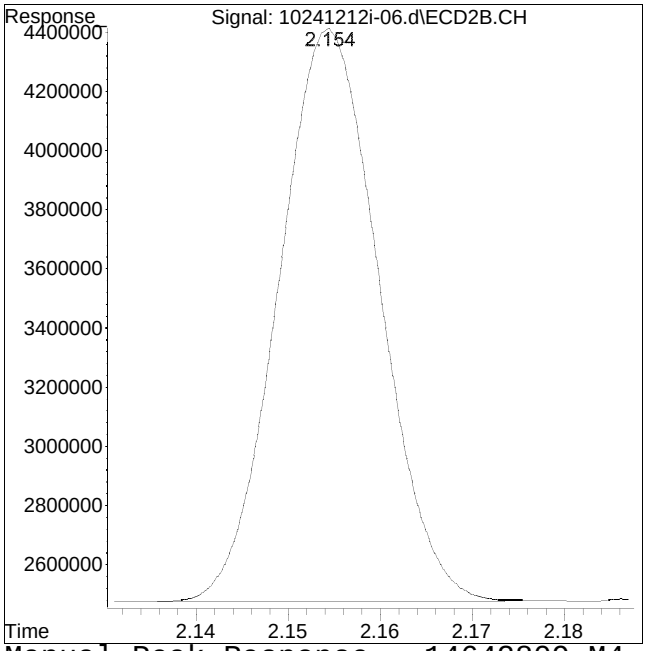
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-06.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:18 Instrument : Pest 10
Sample : il4pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:29 am

Compound #41: Hexachlorobenzene #2



Original Peak Response = 14655888

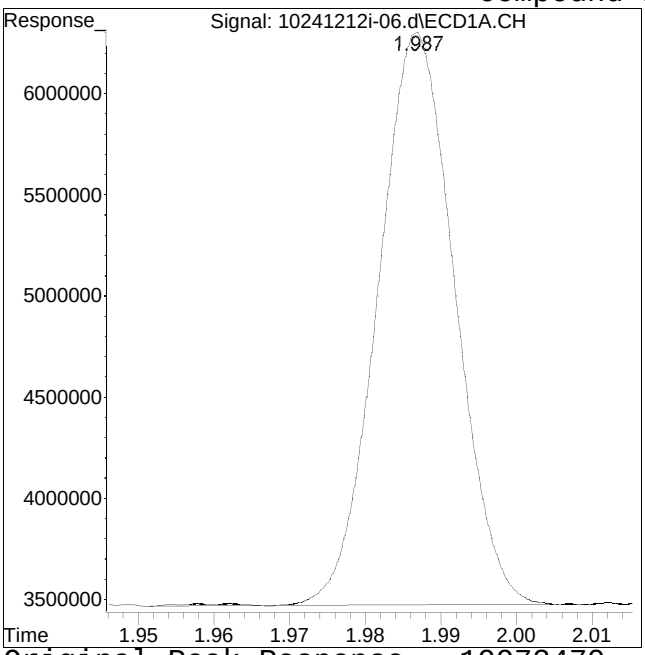


Manual Peak Response = 14642809 M4
M4 = Poor automated baseline construction.

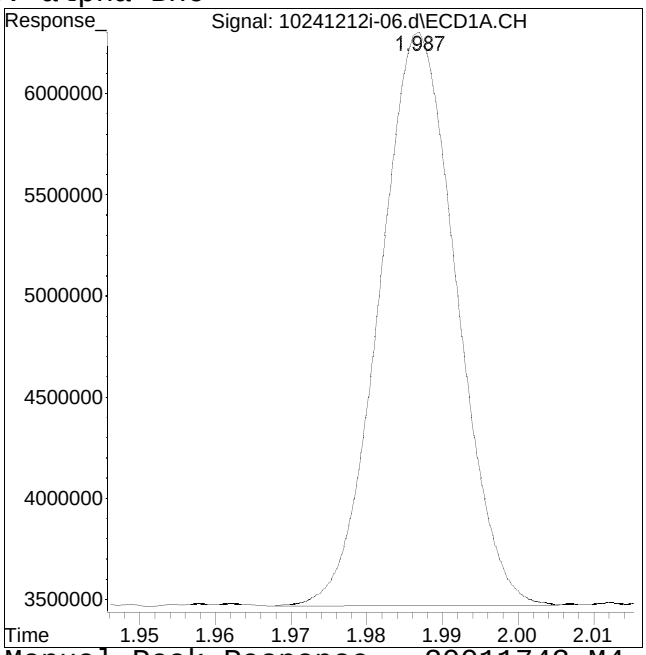
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-06.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:18 Instrument : Pest 10
Sample : il4pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:29 am

Compound #4: alpha-BHC



Original Peak Response = 19972470



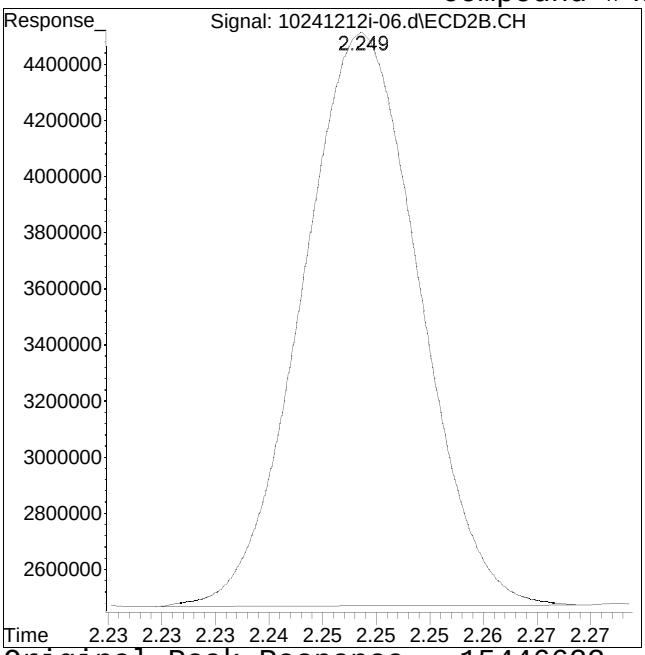
Manual Peak Response = 20011743 M4

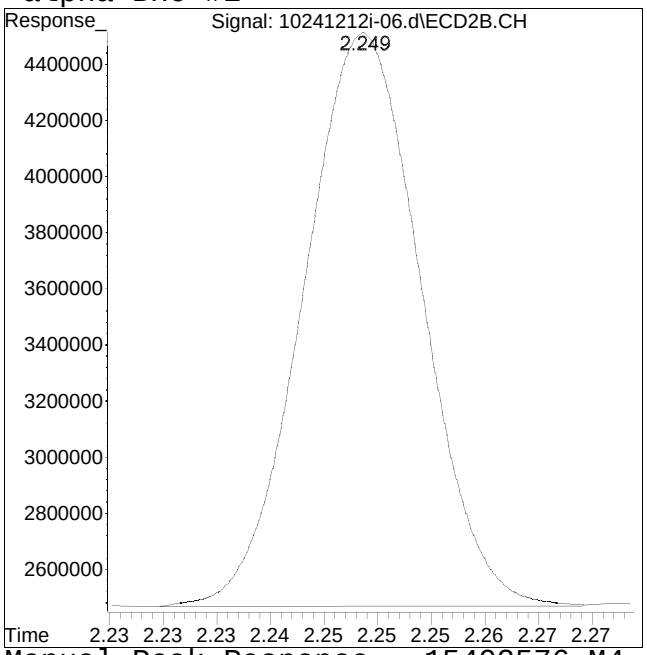
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-06.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:18 Instrument : Pest 10
Sample : il4pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:29 am

Compound #42: alpha-BHC #2



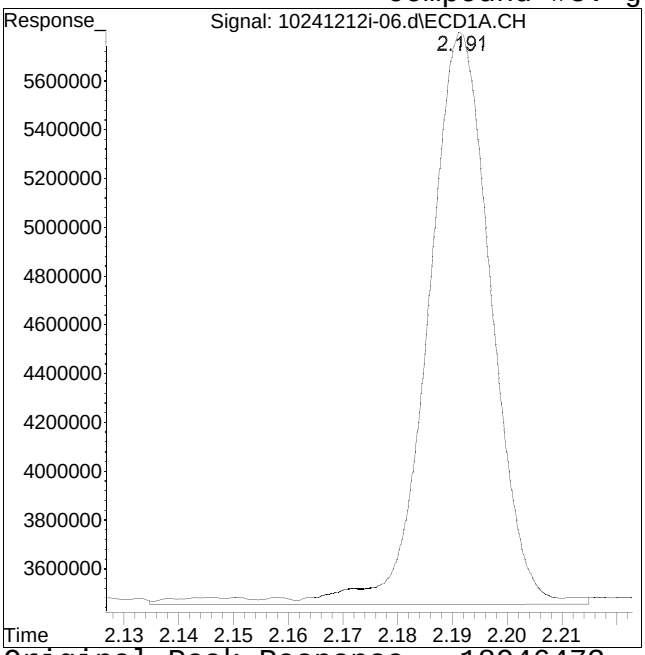


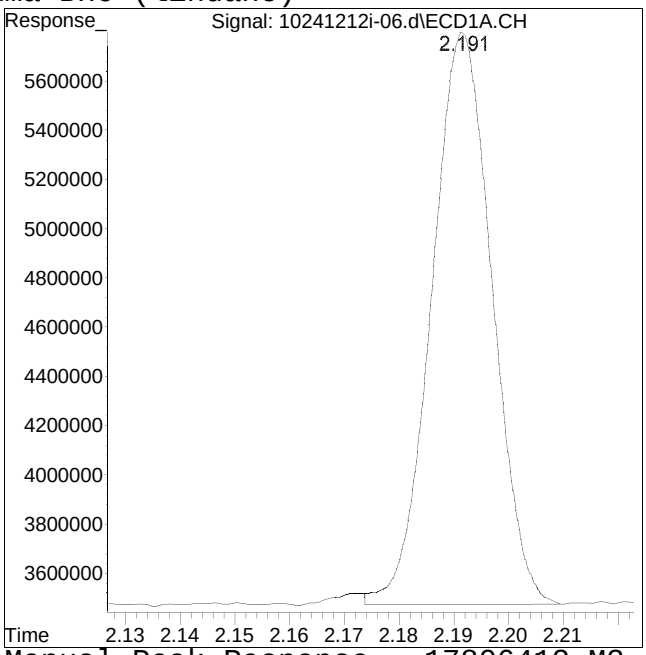
Original Peak Response = 15446622 Manual Peak Response = 15492576 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-06.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:18 Instrument : Pest 10
Sample : il4pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:29 am

Compound #5: gamma-BHC (lindane)



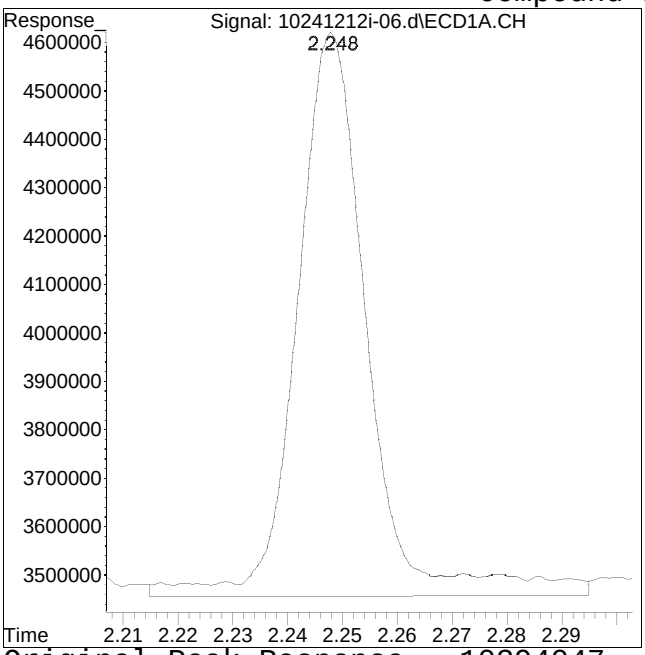


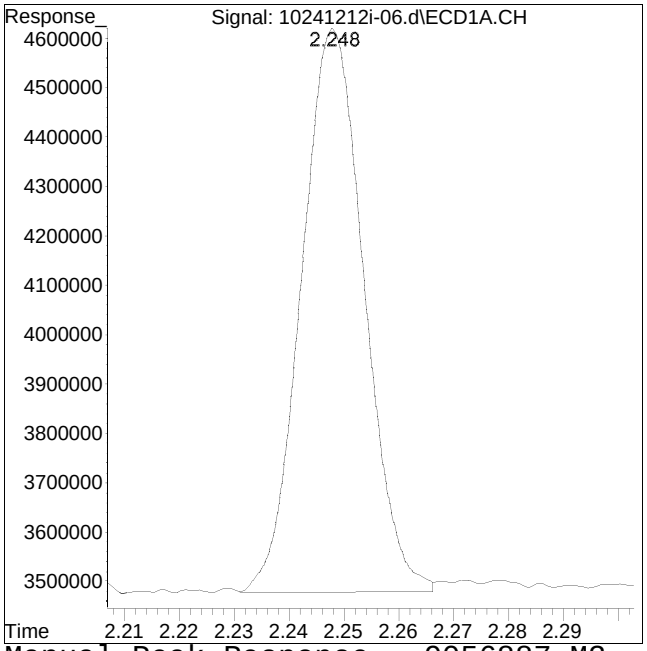
Original Peak Response = 18946473 Manual Peak Response = 17806412 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-06.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:18 Instrument : Pest 10
Sample : il4pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:29 am

Compound #6: beta-BHC



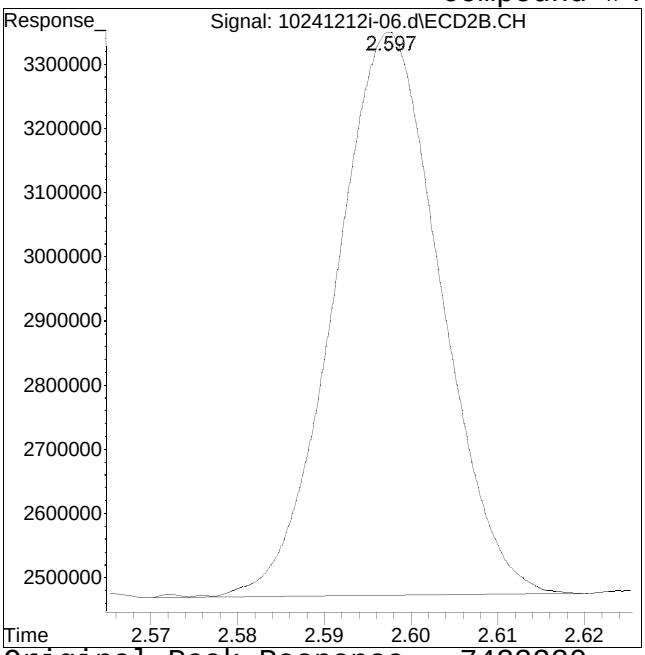


Original Peak Response = 10394047 Manual Peak Response = 9056887 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

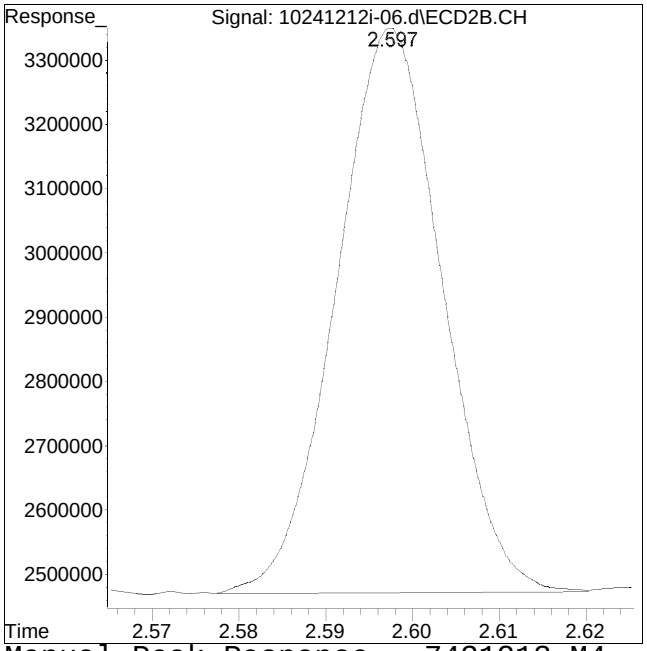
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-06.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:18 Instrument : Pest 10
Sample : il4pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:29 am

Compound #44: beta-BHC #2



Original Peak Response = 7423220



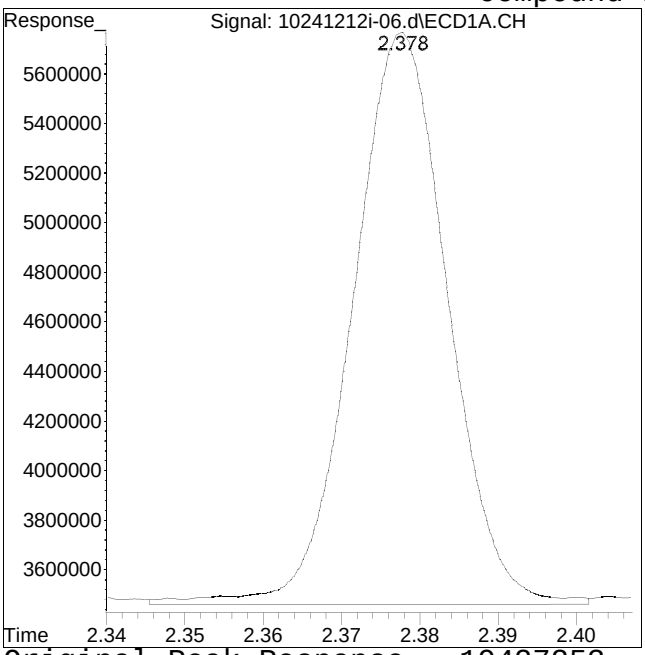
Manual Peak Response = 7431213 M4

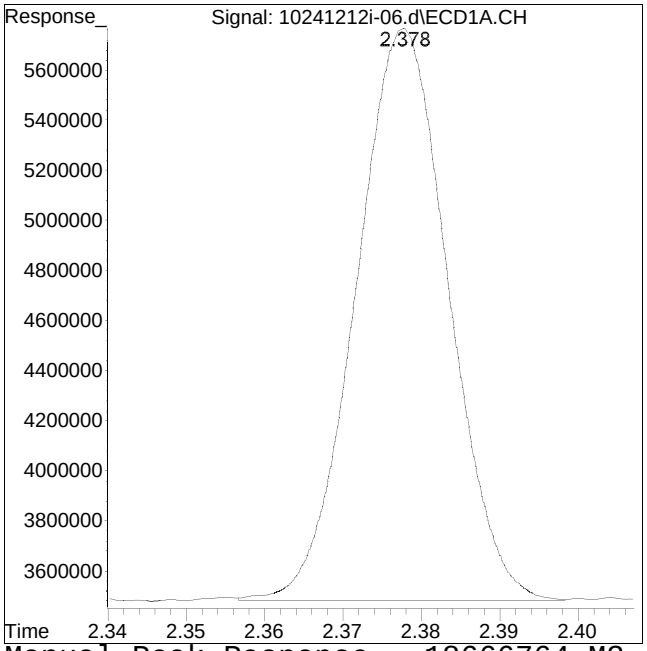
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-06.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:18 Instrument : Pest 10
Sample : il4pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:29 am

Compound #7: delta-BHC



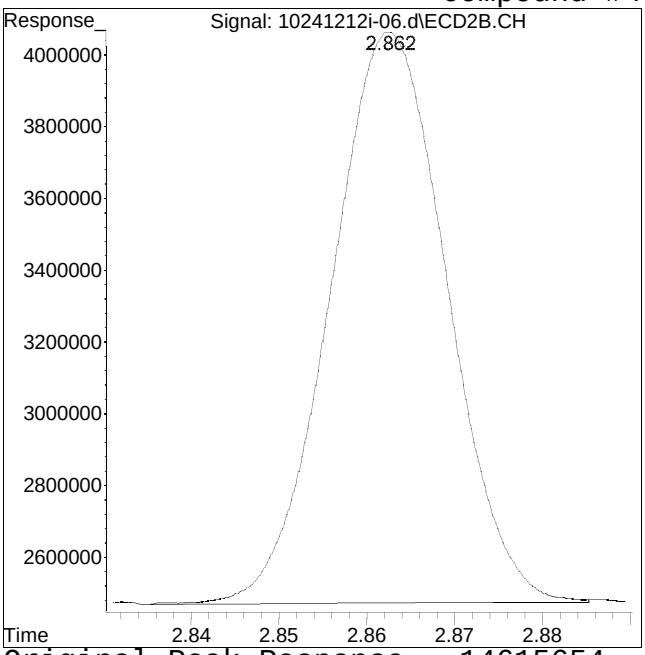


Original Peak Response = 19427253 Manual Peak Response = 18666764 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

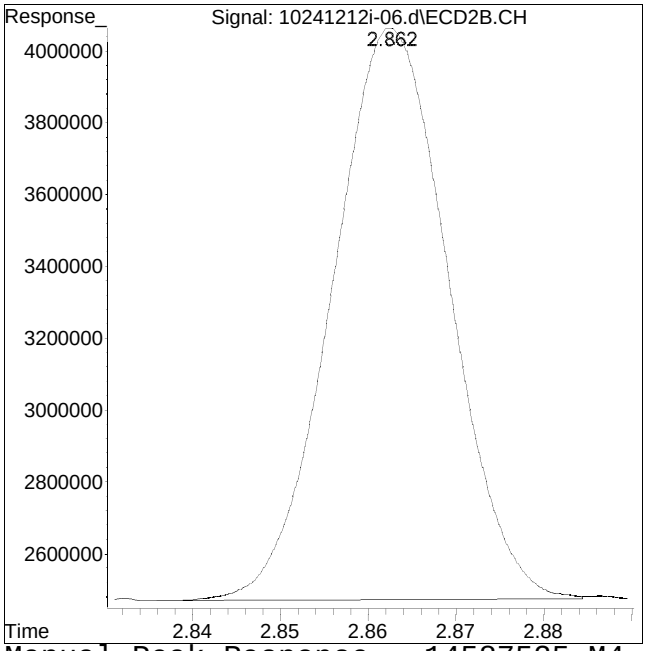
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-06.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:18 Instrument : Pest 10
Sample : il4pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:29 am

Compound #45: delta-BHC #2



Original Peak Response = 14615654



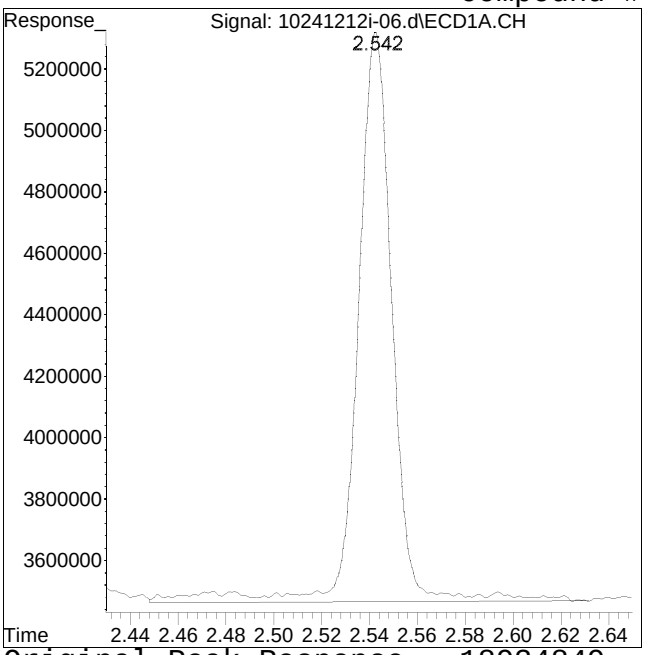
Manual Peak Response = 14587525 M4

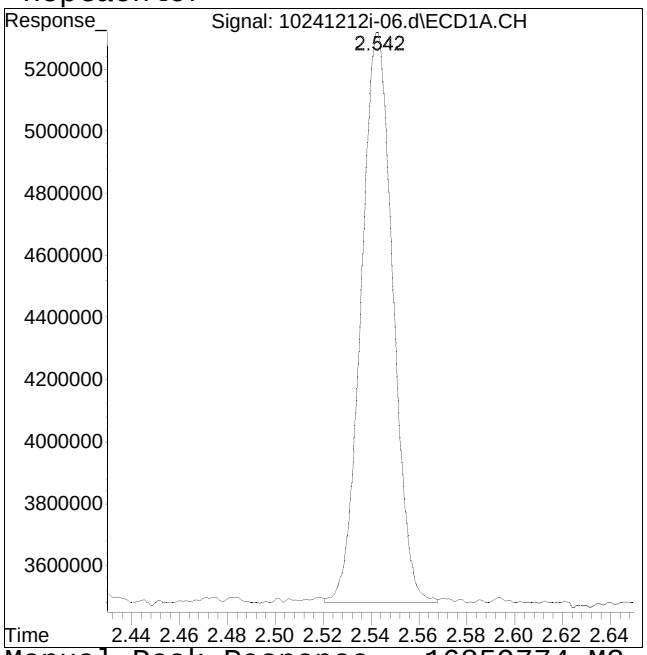
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-06.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:18 Instrument : Pest 10
Sample : il4pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:29 am

Compound #8: Heptachlor



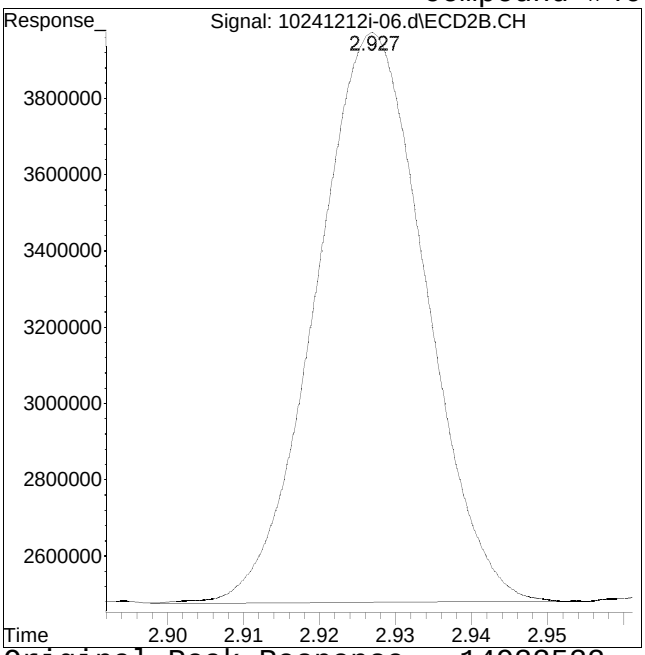


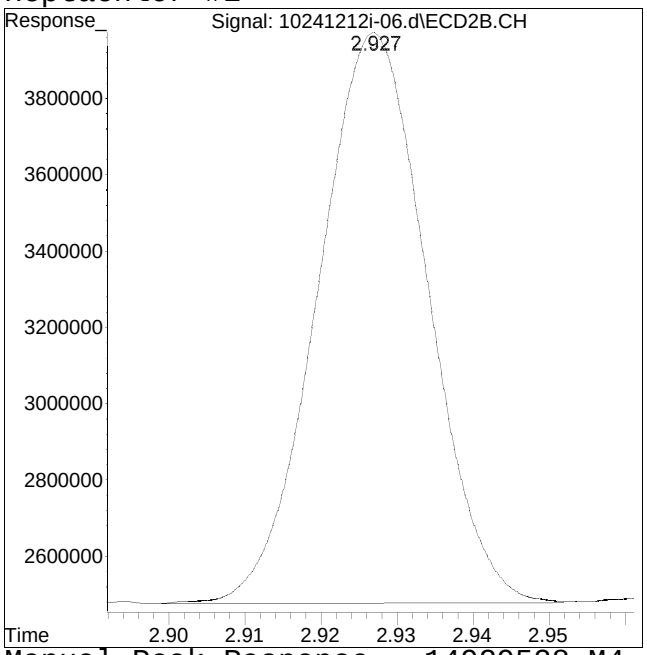
Original Peak Response = 18934849 Manual Peak Response = 16859774 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-06.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:18 Instrument : Pest 10
Sample : il4pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:29 am

Compound #46: Heptachlor #2



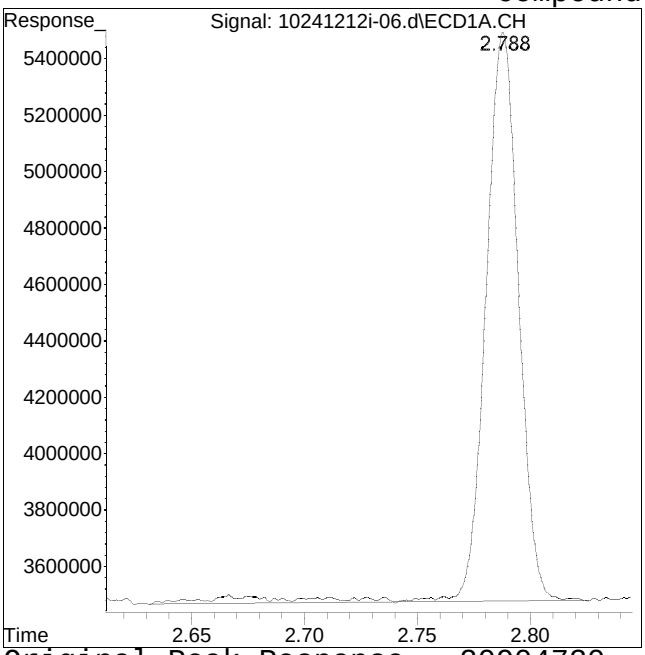


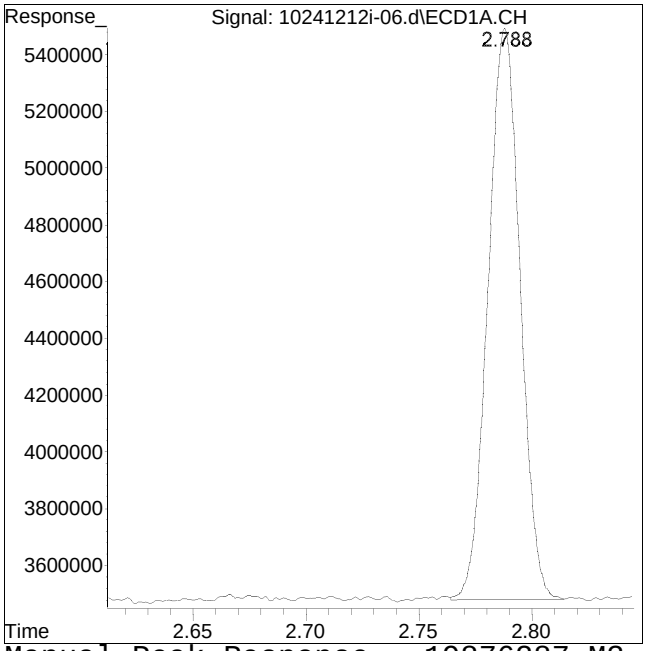
Original Peak Response = 14933532 Manual Peak Response = 14929528 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-06.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:18 Instrument : Pest 10
Sample : il4pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:29 am

Compound #9: Aldrin



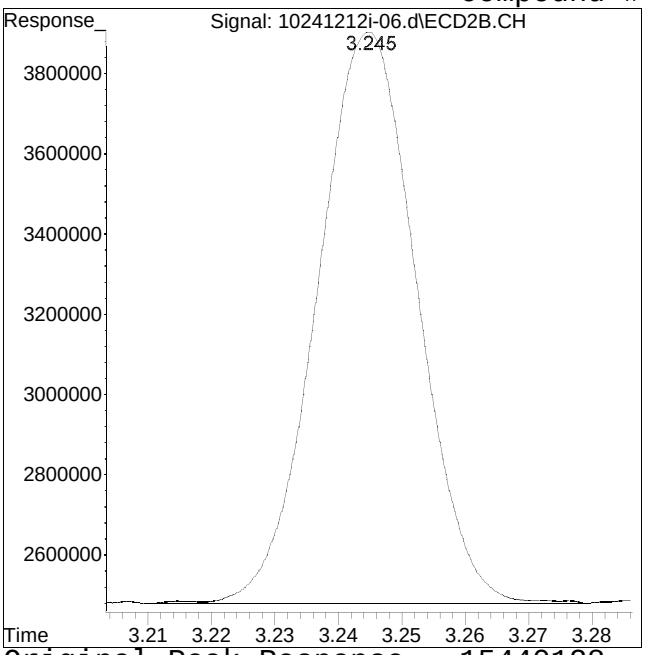


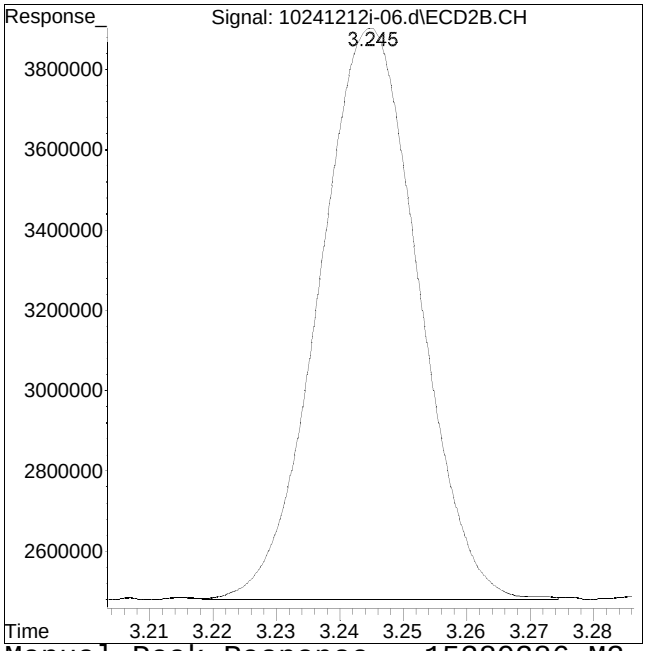
Original Peak Response = 20904730 Manual Peak Response = 19876287 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-06.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:18 Instrument : Pest 10
Sample : il4pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:29 am

Compound #47: Aldrin #2



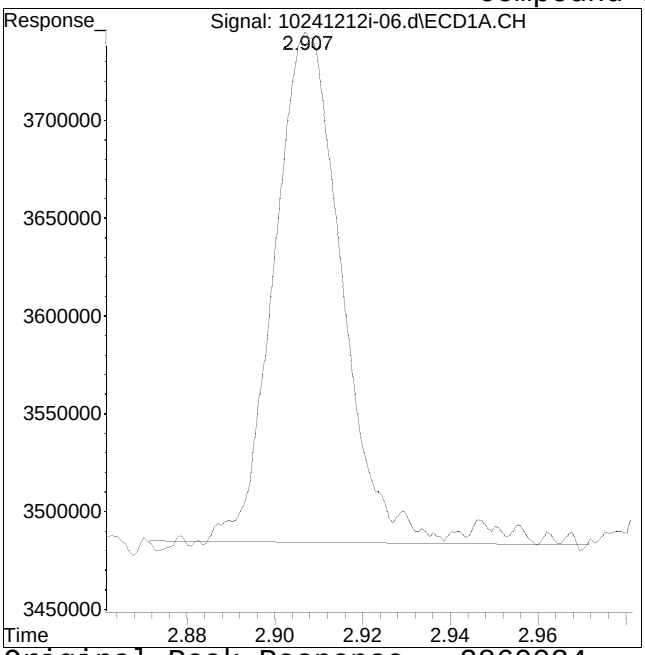


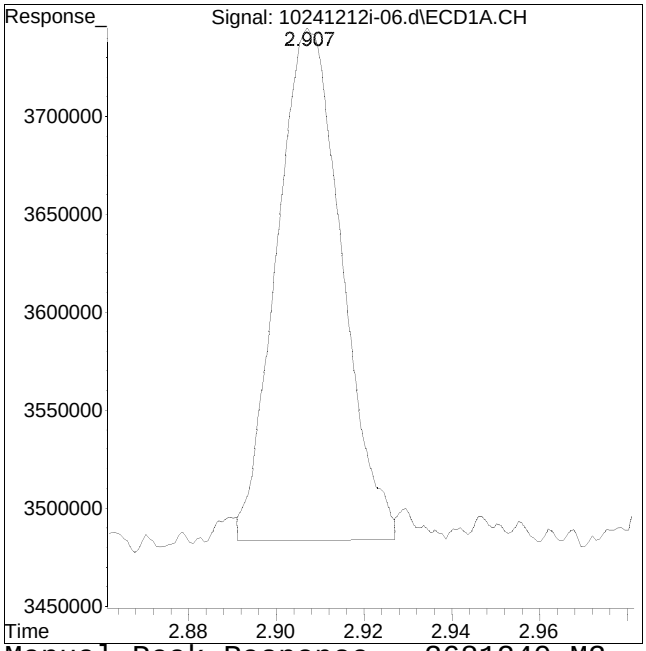
Original Peak Response = 15440128 Manual Peak Response = 15380386 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-06.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:18 Instrument : Pest 10
Sample : il4pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:29 am

Compound #10: Alachlor



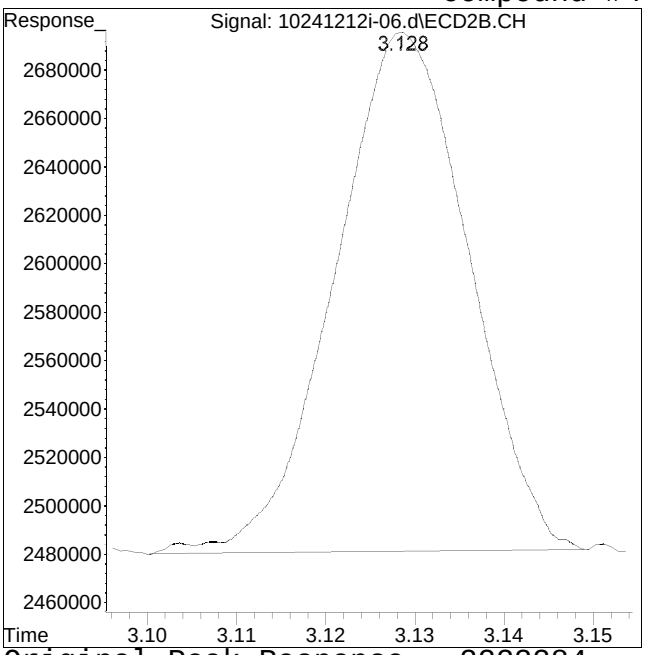


Original Peak Response = 2860034 Manual Peak Response = 2681240 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

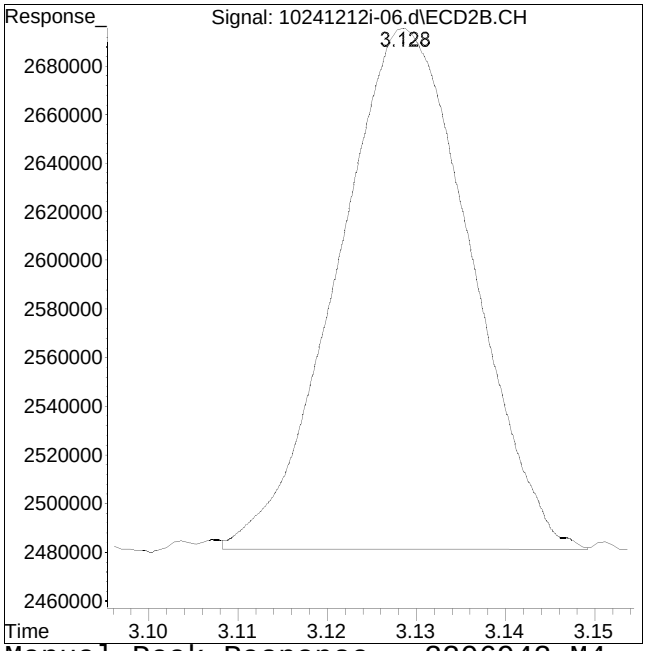
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-06.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:18 Instrument : Pest 10
Sample : il4pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:29 am

Compound #48: Alachlor #2



Original Peak Response = 2223284



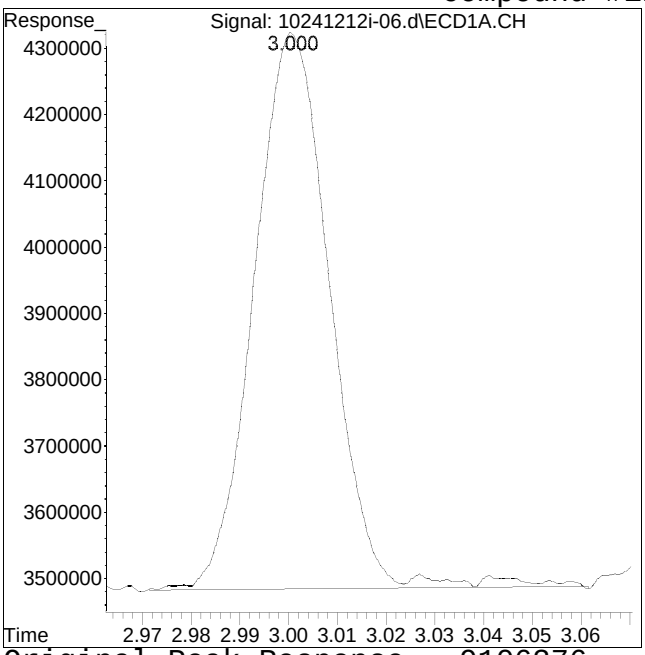
Manual Peak Response = 2206942 M4

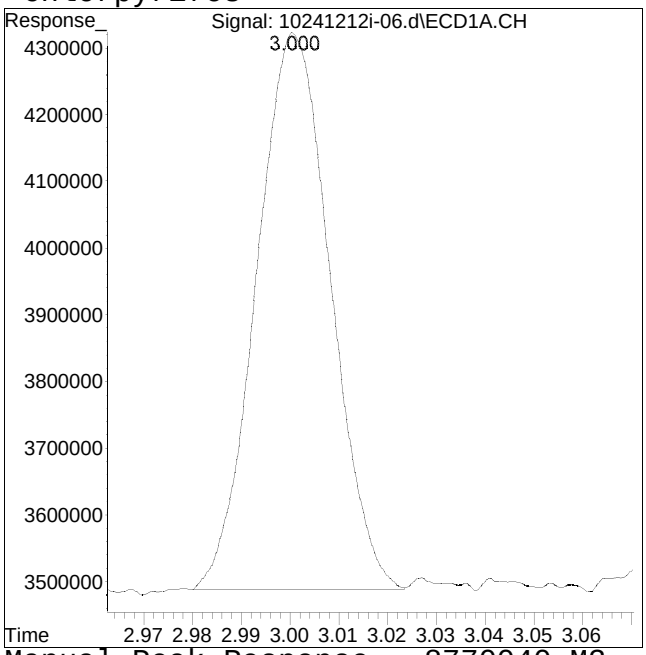
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-06.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:18 Instrument : Pest 10
Sample : il4pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:29 am

Compound #11: Chlorpyrifos



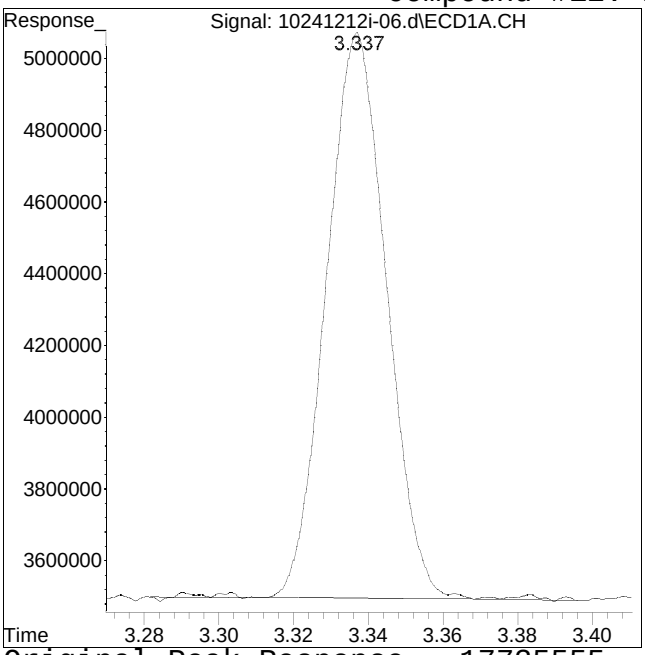


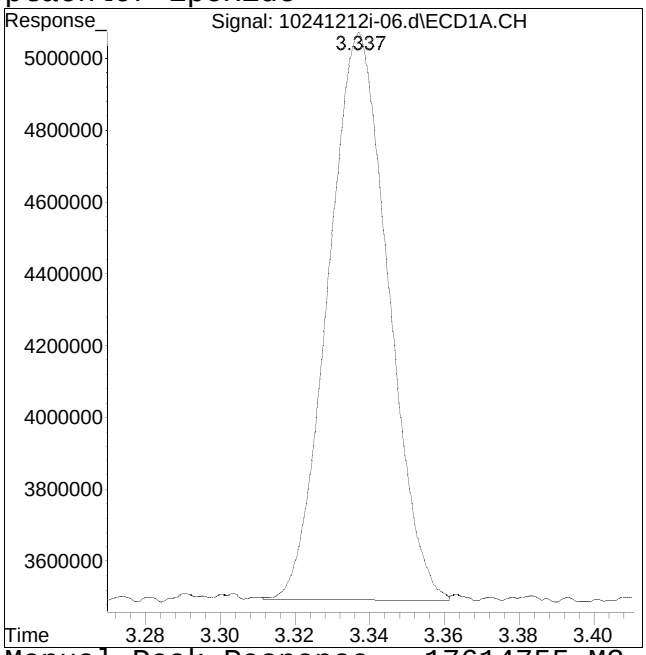
Original Peak Response = 9106376 Manual Peak Response = 8770040 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-06.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:18 Instrument : Pest 10
Sample : il4pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:29 am

Compound #12: Heptachlor Epoxide



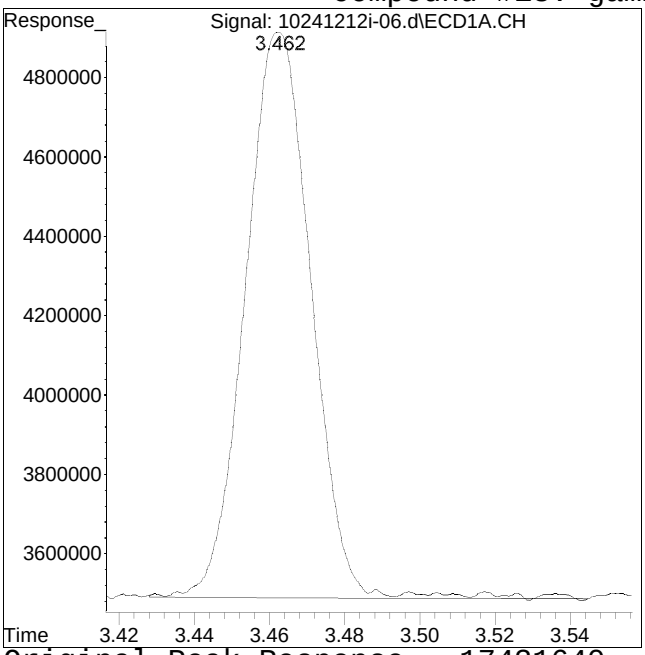


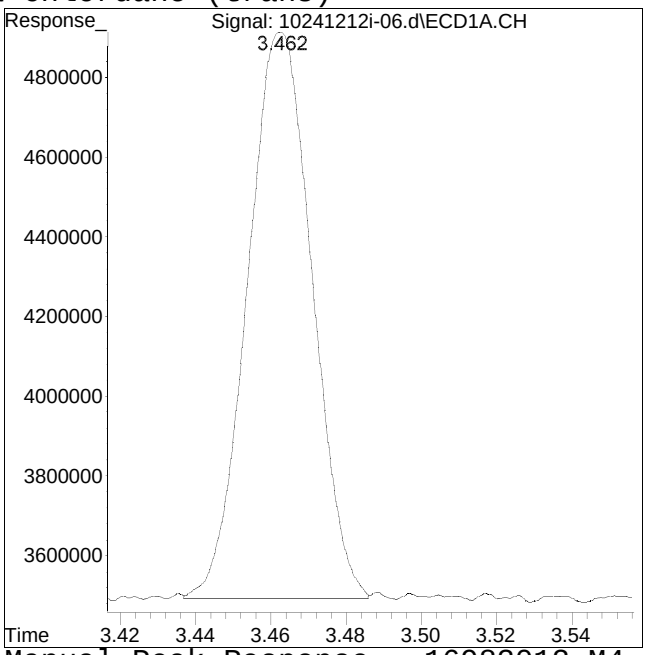
Original Peak Response = 17735555 Manual Peak Response = 17614755 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-06.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:18 Instrument : Pest 10
Sample : il4pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:29 am

Compound #13: gamma-Chlordane (trans)



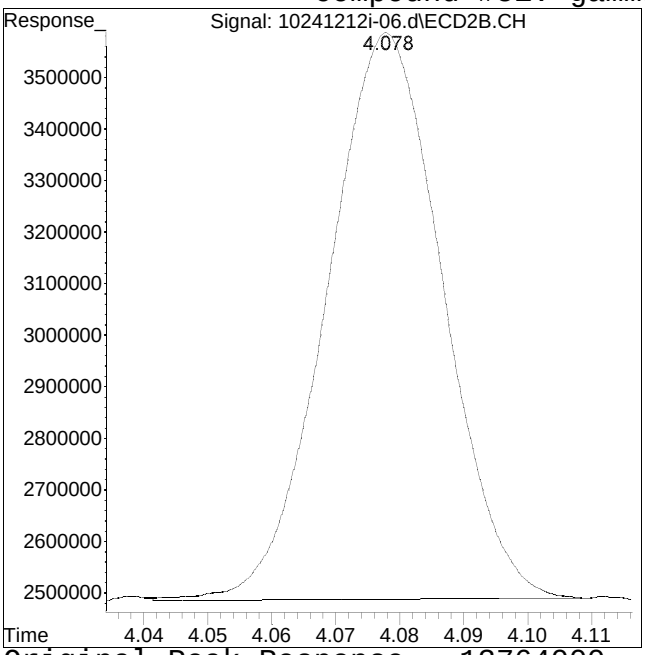


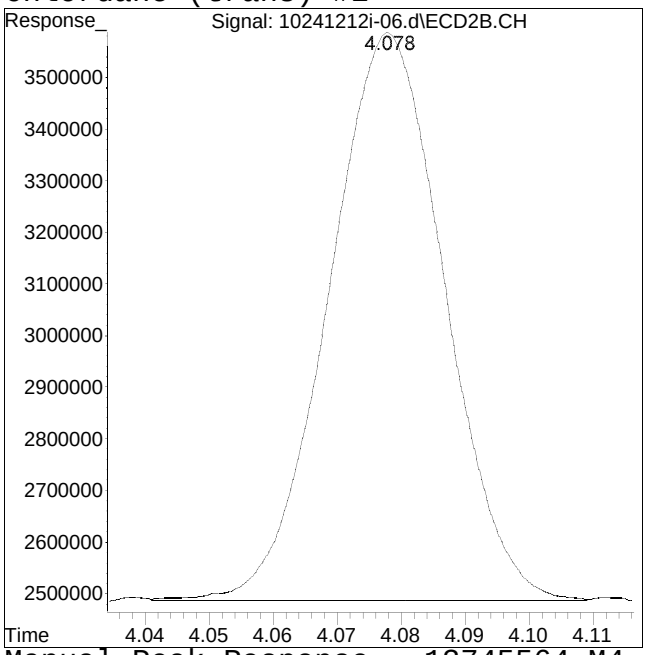
Original Peak Response = 17431640 Manual Peak Response = 16983012 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-06.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:18 Instrument : Pest 10
Sample : il4pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:29 am

Compound #51: gamma-Chlordane (trans) #2





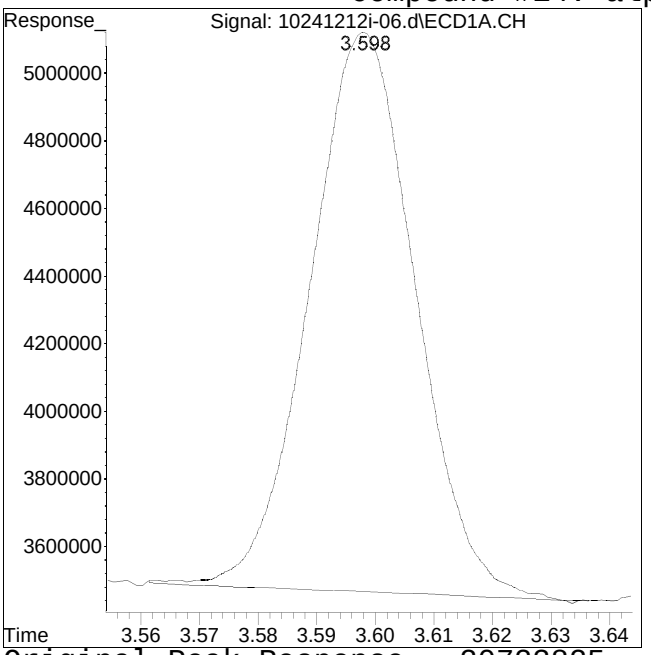
Original Peak Response = 13764000 Manual Peak Response = 13745564 M4
M4 = Poor automated baseline construction.

Manual Integration Report

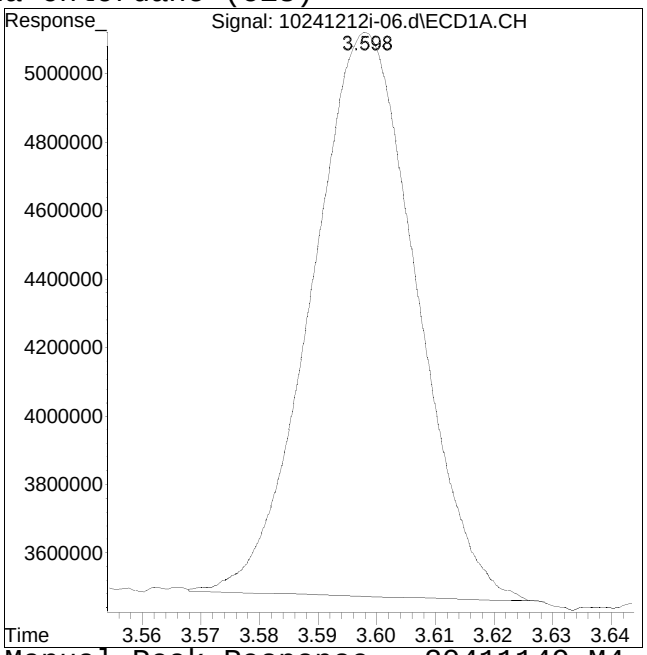
Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-06.d
Date Inj'd : 12/12/2024 20:18
Sample : il4pest,42e,,pp 11929 L0.0

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 10:29 am

Compound #14: alpha-Chlordane (cis)



Original Peak Response = 20723825



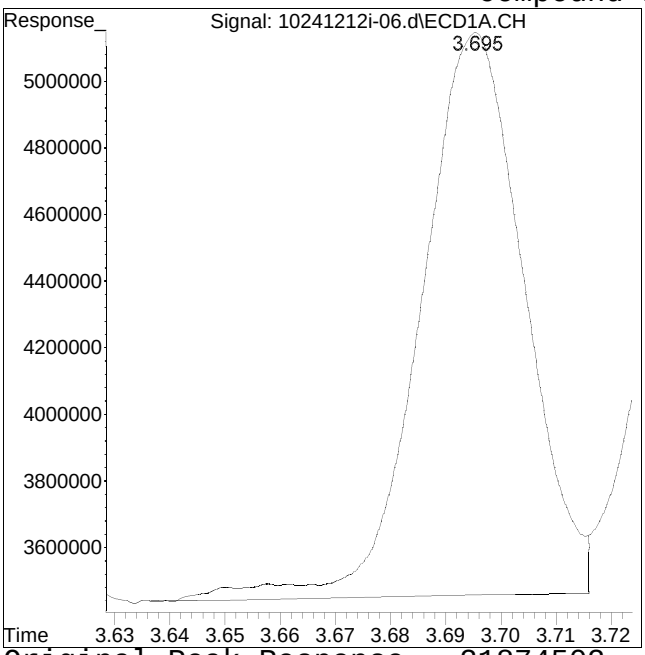
Manual Peak Response = 20411149 M4

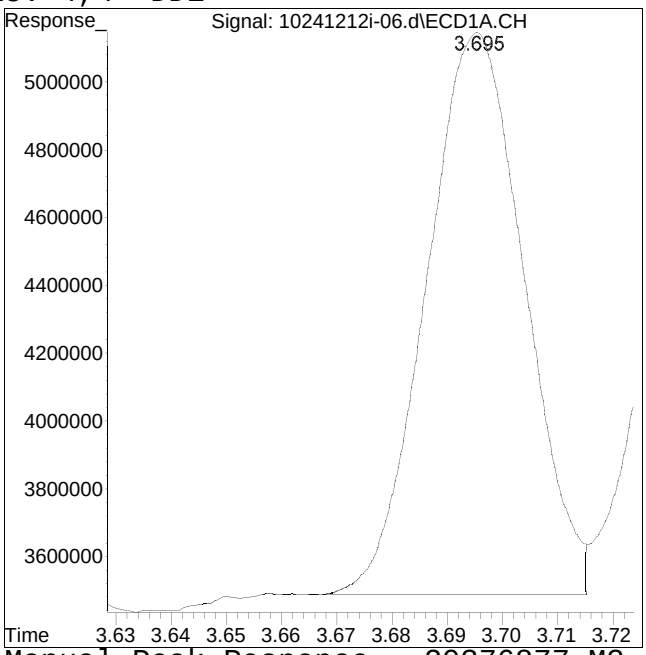
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-06.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:18 Instrument : Pest 10
Sample : il4pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:29 am

Compound #15: 4,4'-DDE





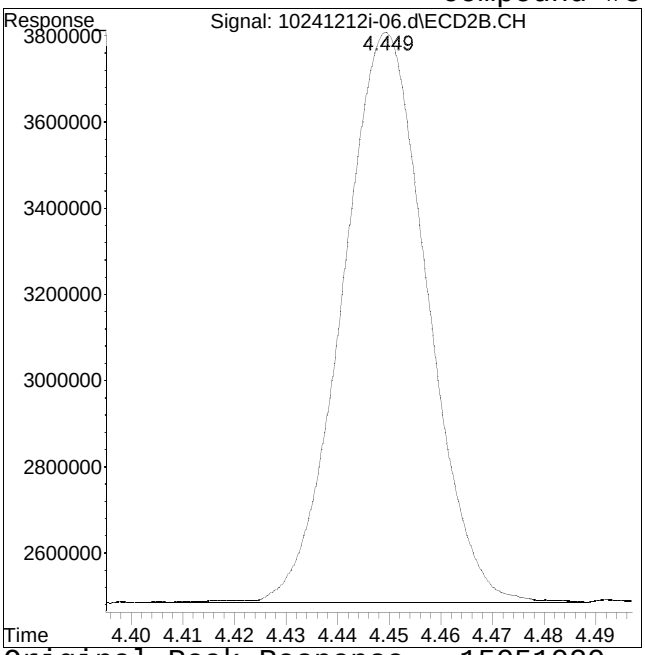
Original Peak Response = 21874502 Manual Peak Response = 20376877 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

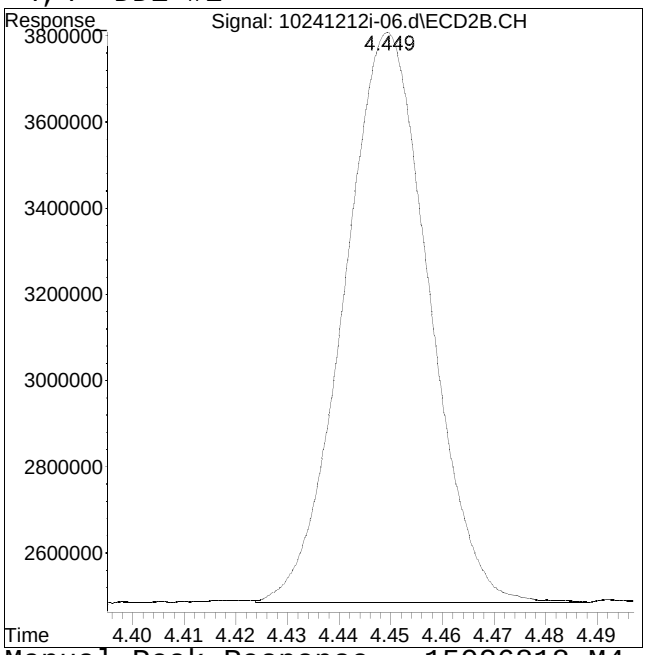
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-06.d
Date Inj'd : 12/12/2024 20:18
Sample : il4pest,42e,,pp 11929 L0.0

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 10:29 am

Compound #53: 4,4'-DDE #2





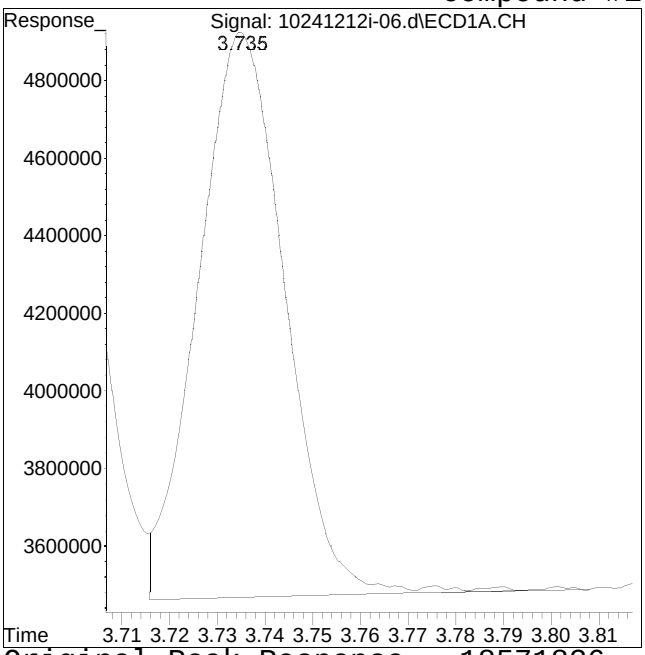
Original Peak Response = 15051020 Manual Peak Response = 15026818 M4
M4 = Poor automated baseline construction.

Manual Integration Report

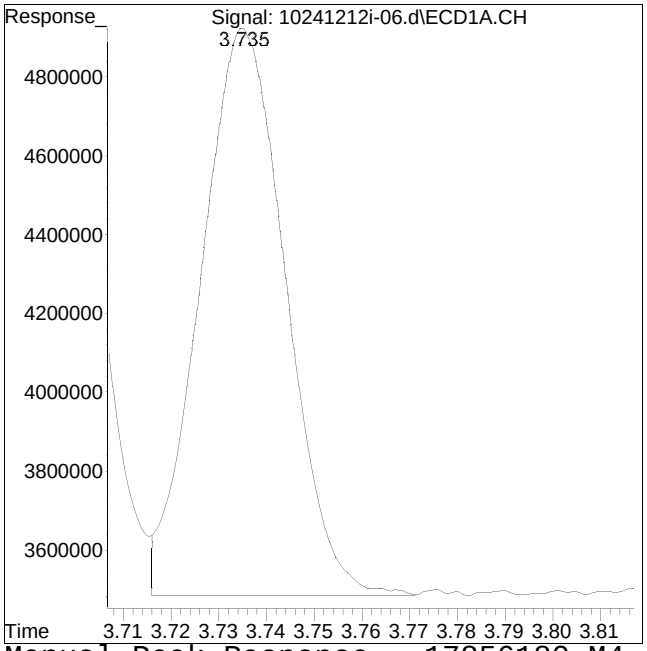
Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-06.d
Date Inj'd : 12/12/2024 20:18
Sample : il4pest,42e,,pp 11929 L0.0

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 10:29 am

Compound #16: Endosulfan I



Original Peak Response = 18571836



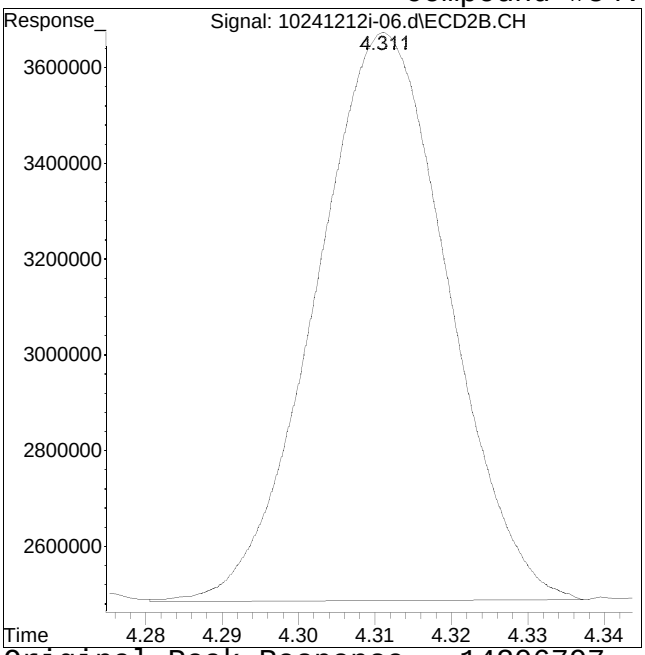
Manual Peak Response = 17856180 M4

M4 = Poor automated baseline construction.

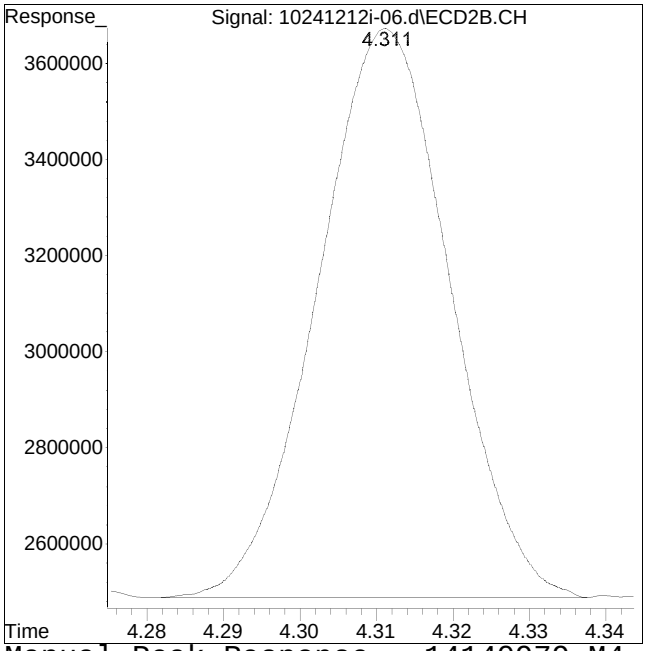
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-06.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:18 Instrument : Pest 10
Sample : il4pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:29 am

Compound #54: Endosulfan I #2



Original Peak Response = 14206797



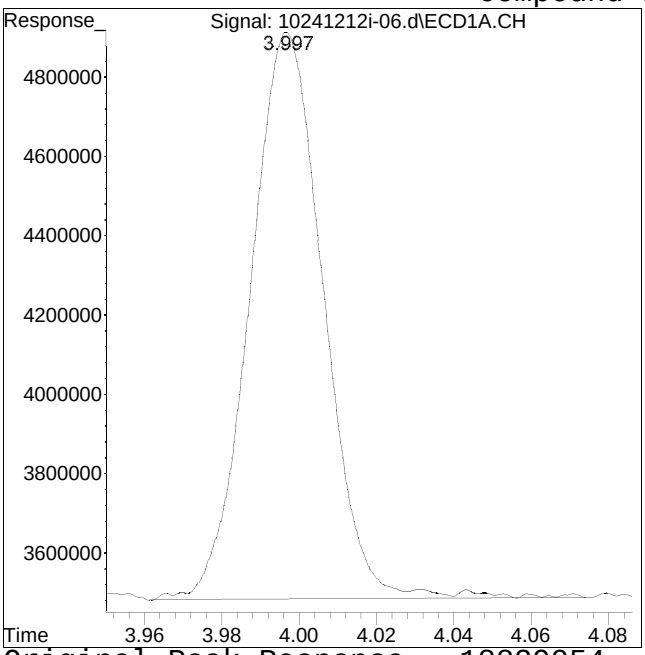
Manual Peak Response = 14140979 M4

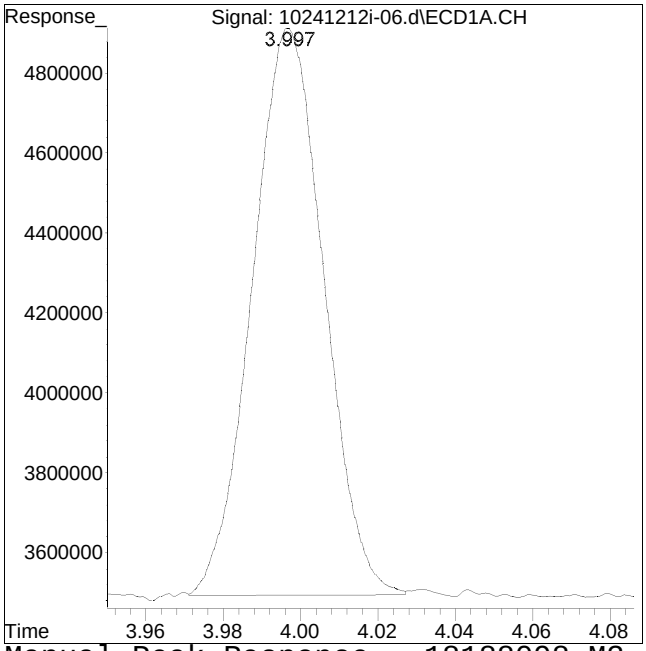
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-06.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:18 Instrument : Pest 10
Sample : il4pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:29 am

Compound #17: Dieldrin



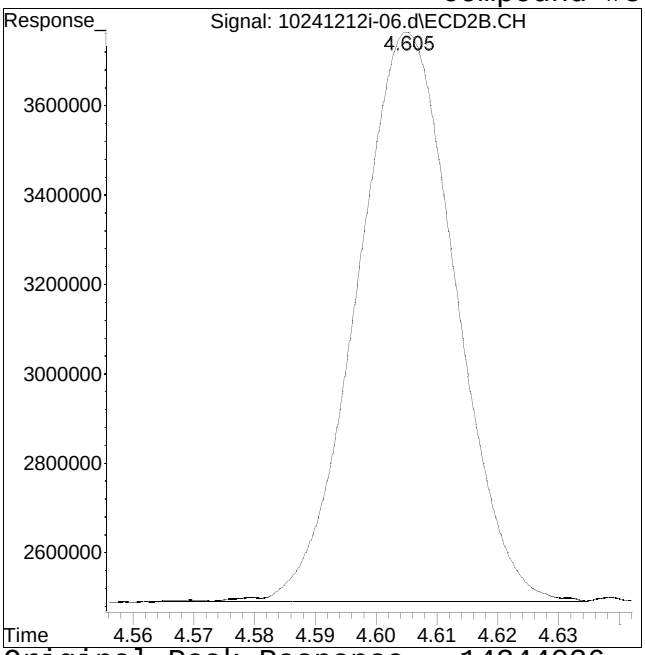


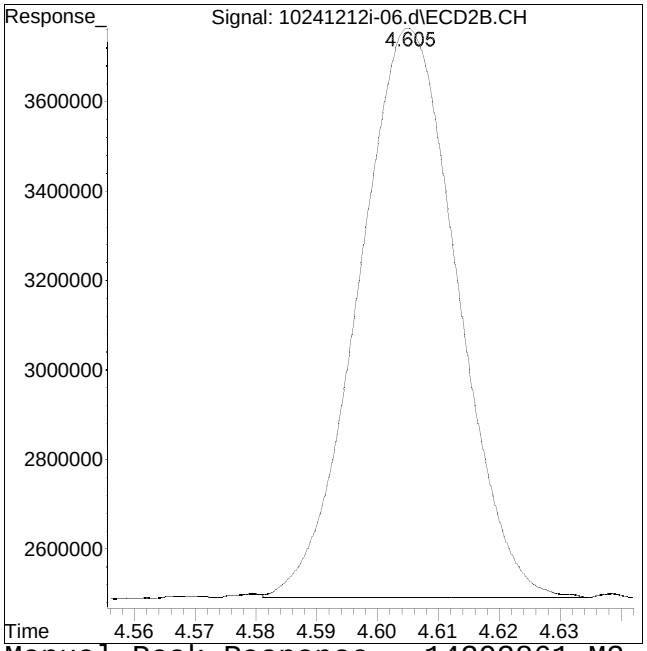
Original Peak Response = 18829054 Manual Peak Response = 18188098 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-06.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:18 Instrument : Pest 10
Sample : il4pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:29 am

Compound #55: Dieldrin #2



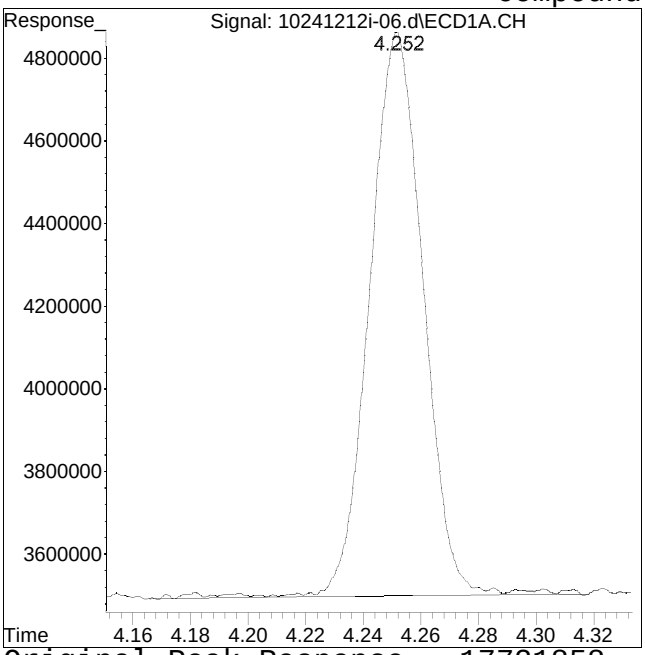


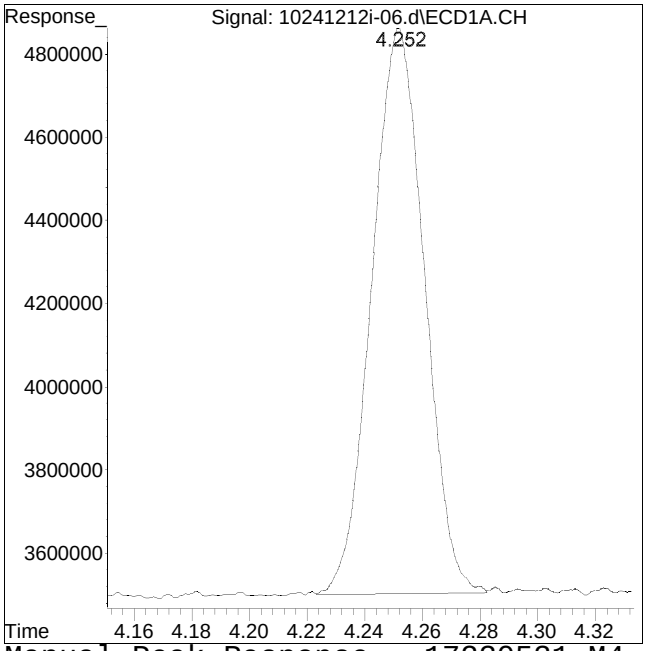
Original Peak Response = 14344036 Manual Peak Response = 14293861 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-06.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:18 Instrument : Pest 10
Sample : il4pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:29 am

Compound #18: Endrin



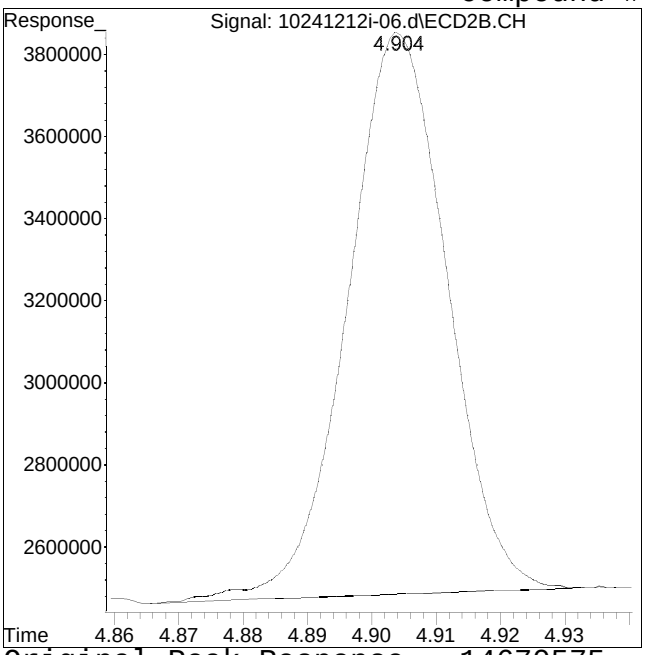


Original Peak Response = 17721858 Manual Peak Response = 17230531 M4
M4 = Poor automated baseline construction.

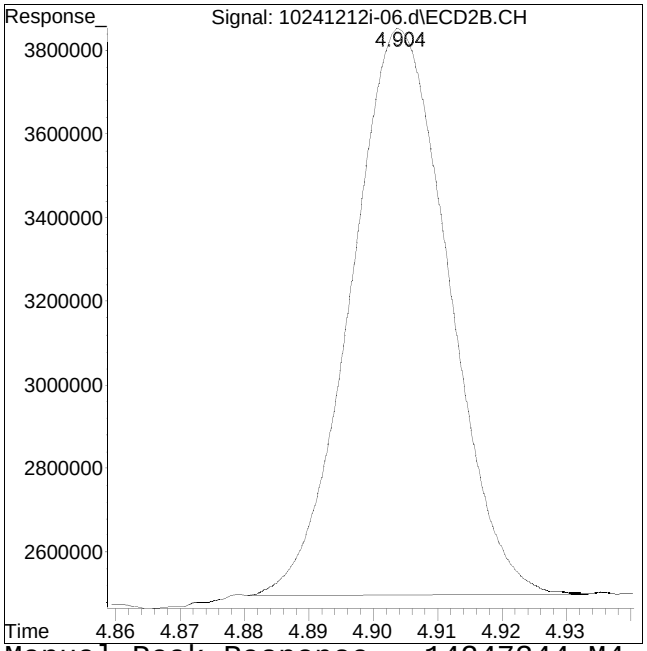
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-06.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:18 Instrument : Pest 10
Sample : il4pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:29 am

Compound #56: Endrin #2



Original Peak Response = 14670575



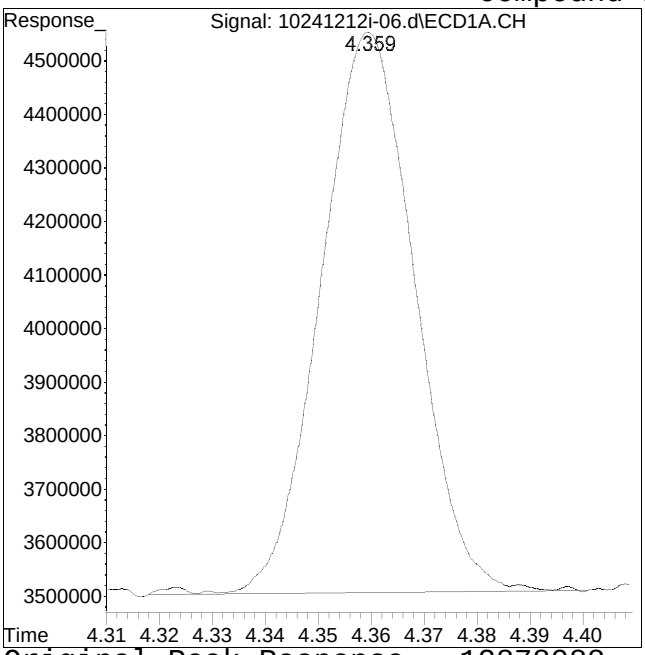
Manual Peak Response = 14247344 M4

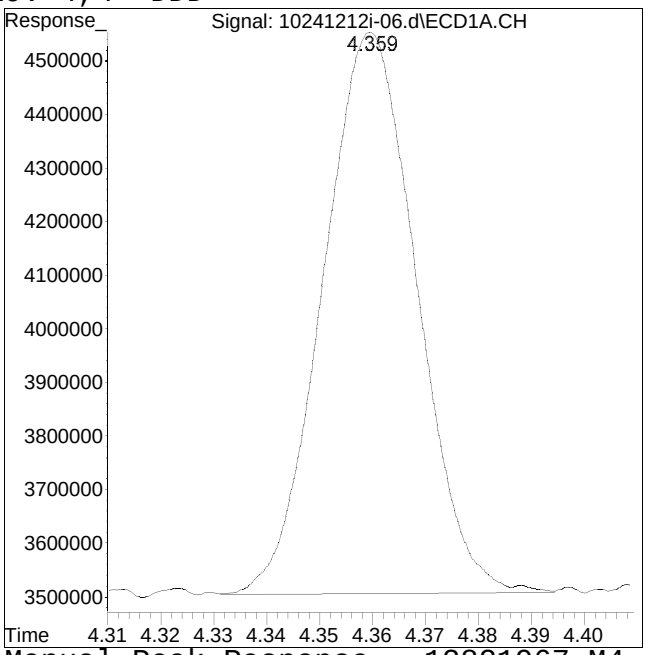
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-06.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:18 Instrument : Pest 10
Sample : il4pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:29 am

Compound #19: 4,4'-DDD



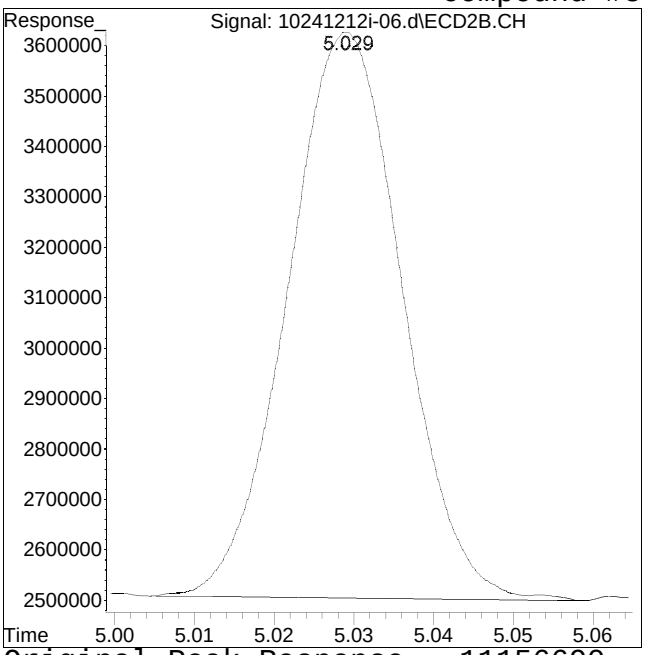


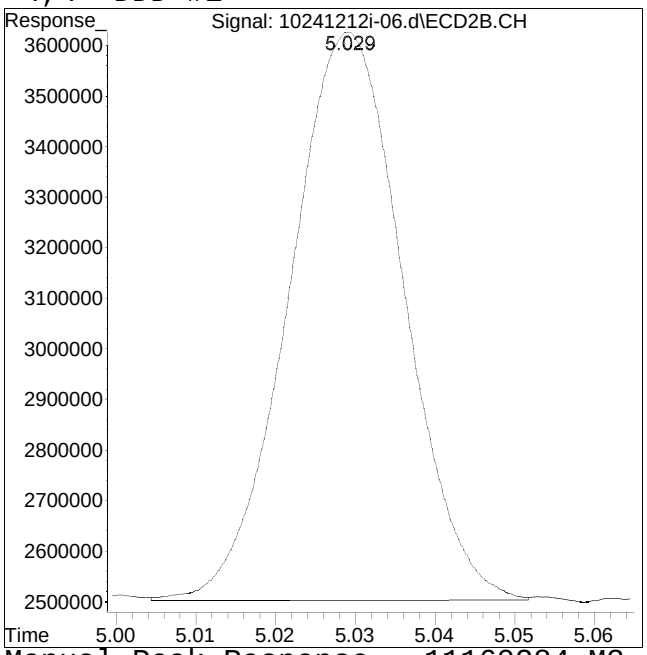
Original Peak Response = 12878088 Manual Peak Response = 12821967 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-06.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:18 Instrument : Pest 10
Sample : il4pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:29 am

Compound #57: 4,4'-DDD #2



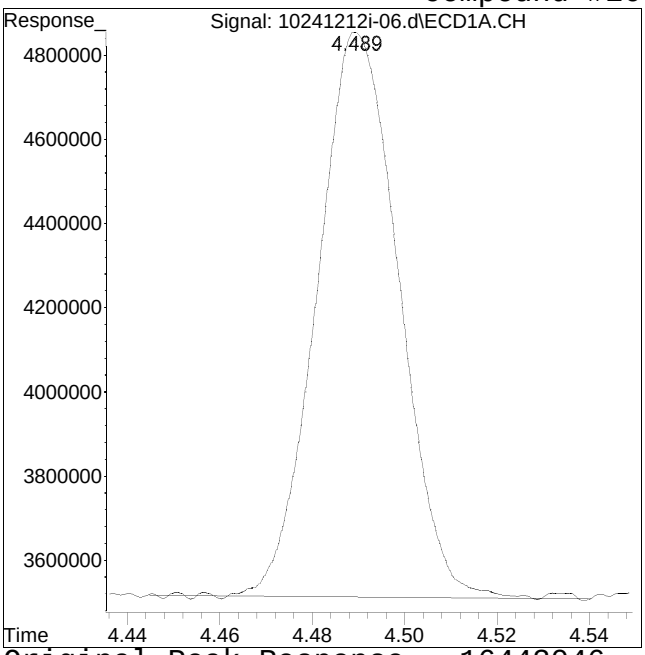


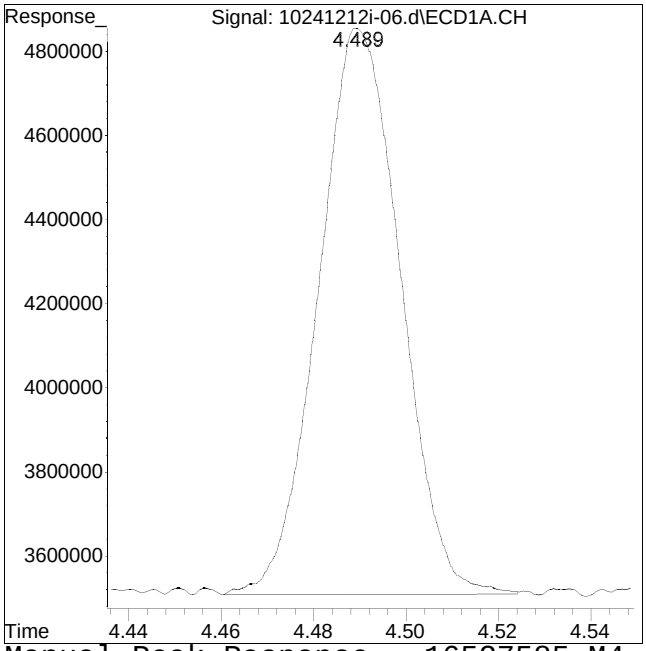
Original Peak Response = 11156690 Manual Peak Response = 11160284 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-06.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:18 Instrument : Pest 10
Sample : il4pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:29 am

Compound #20: Endosulfan II



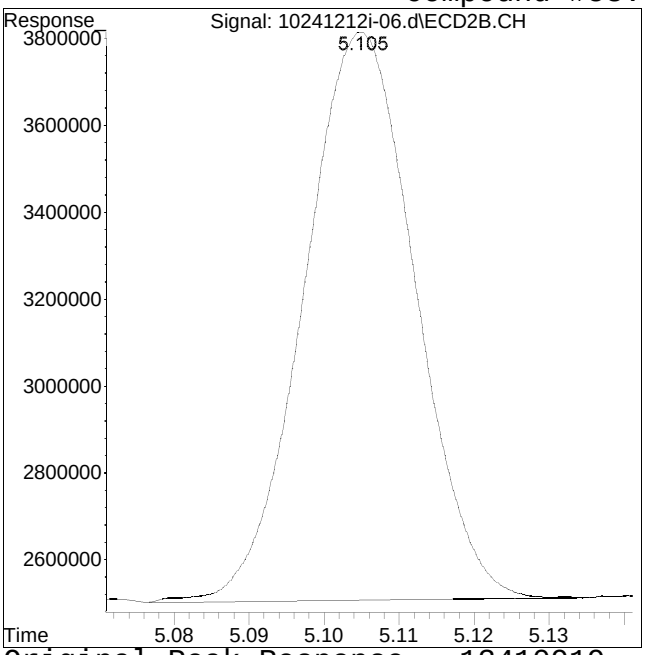


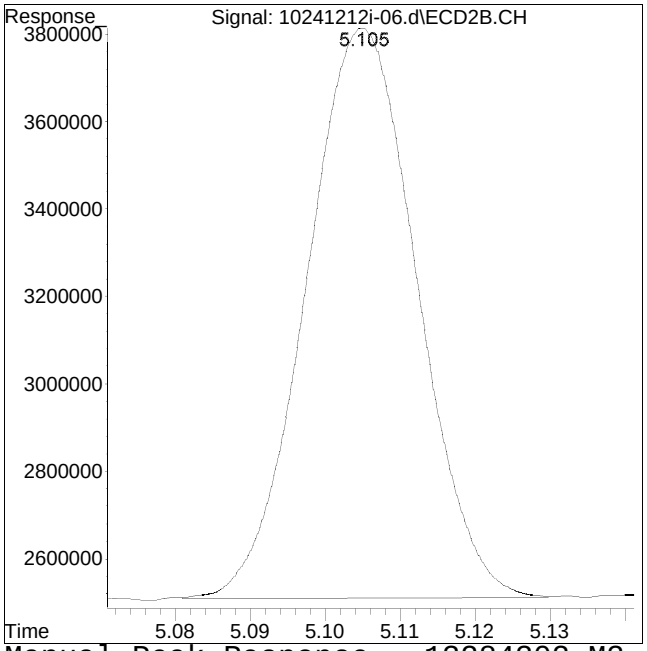
Original Peak Response = 16443046 Manual Peak Response = 16527585 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-06.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:18 Instrument : Pest 10
Sample : il4pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:29 am

Compound #58: Endosulfan II #2



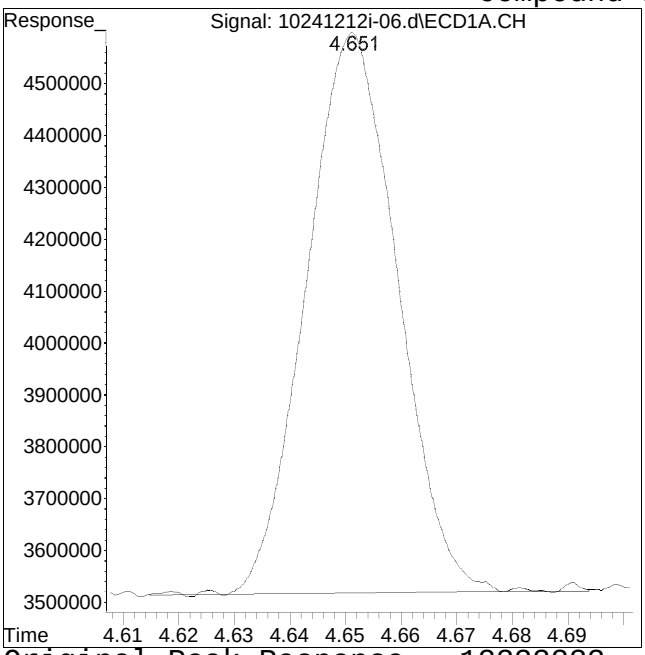


Original Peak Response = 13410919 Manual Peak Response = 13284302 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

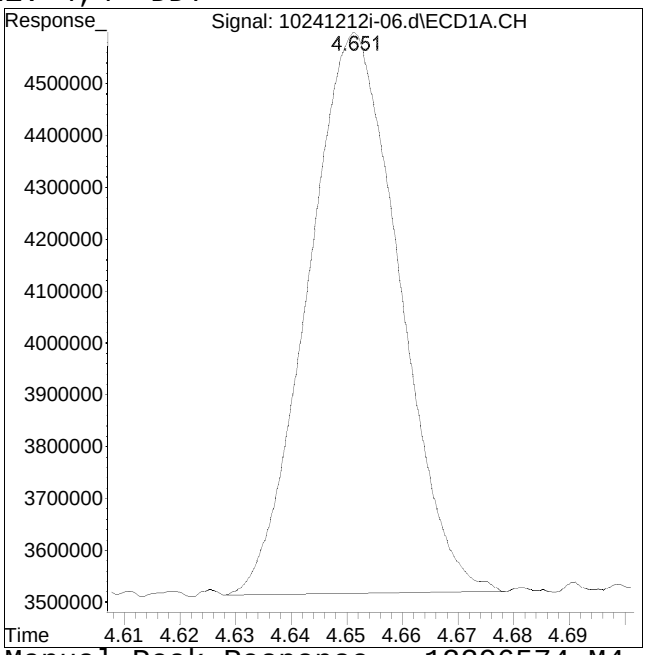
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-06.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:18 Instrument : Pest 10
Sample : il4pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:29 am

Compound #21: 4,4'-DDT



Original Peak Response = 12333233



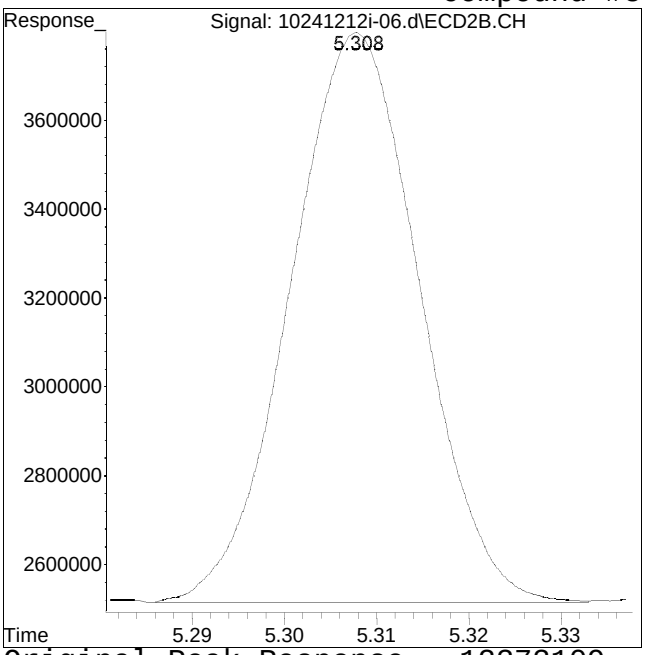
Manual Peak Response = 12296574 M4

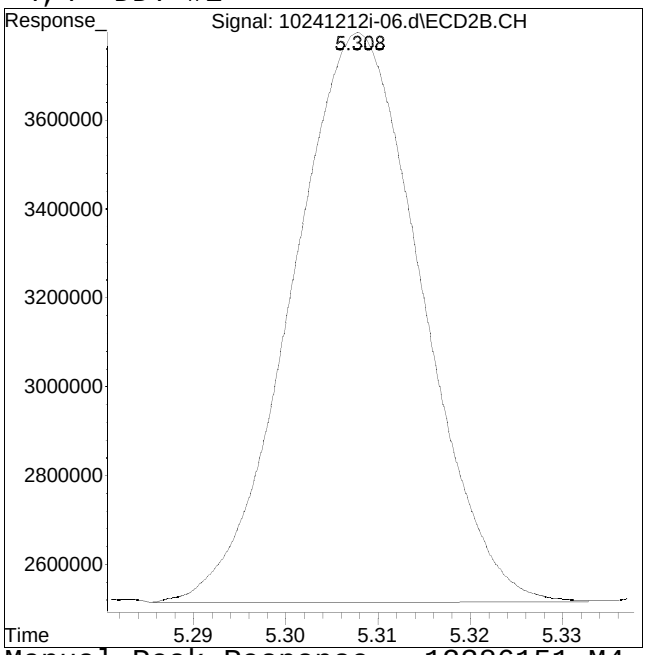
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-06.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:18 Instrument : Pest 10
Sample : il4pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:29 am

Compound #59: 4,4'-DDT #2



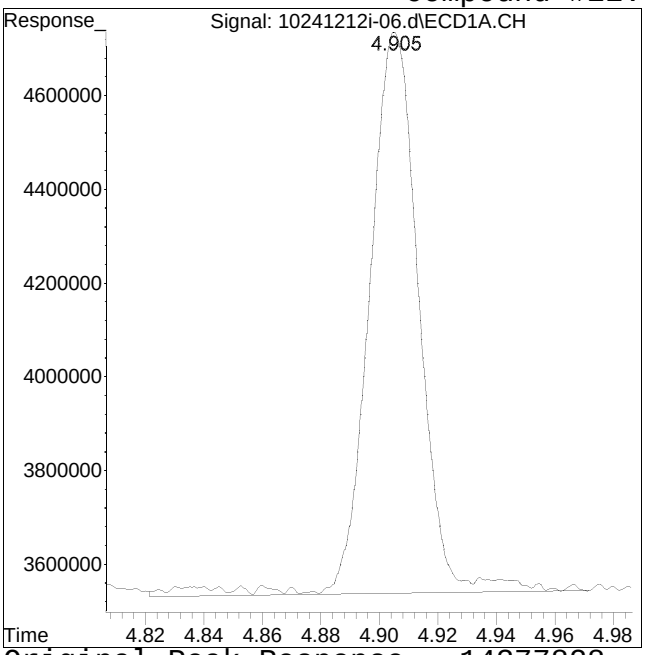


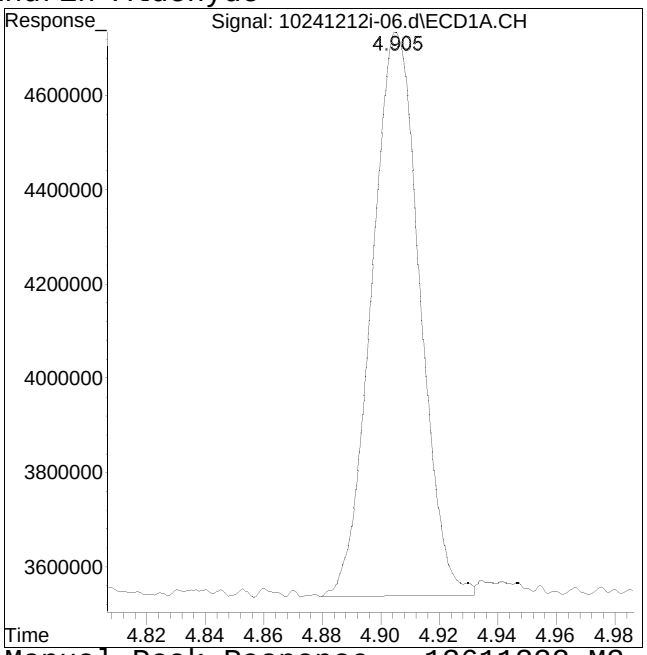
Original Peak Response = 12373109 Manual Peak Response = 12386151 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-06.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:18 Instrument : Pest 10
Sample : il4pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:29 am

Compound #22: Endrin Aldehyde



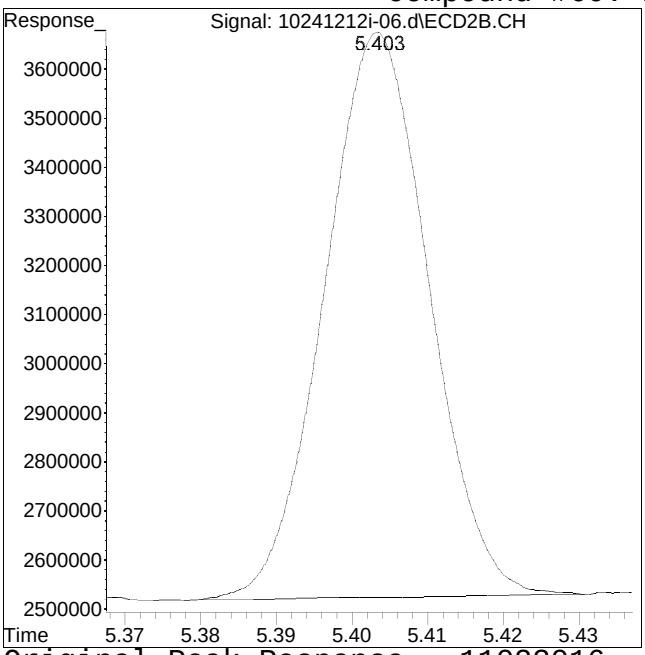


Original Peak Response = 14377828 Manual Peak Response = 13611332 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

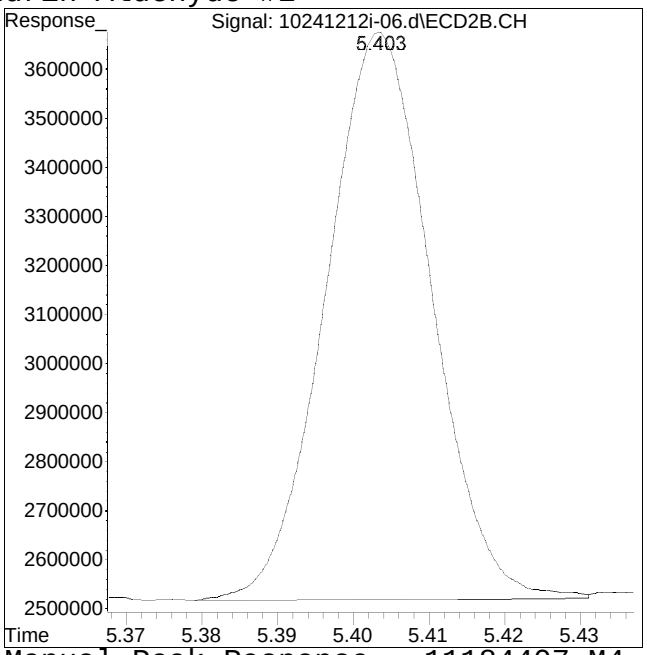
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-06.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:18 Instrument : Pest 10
Sample : il4pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:29 am

Compound #60: Endrin Aldehyde #2



Original Peak Response = 11023016



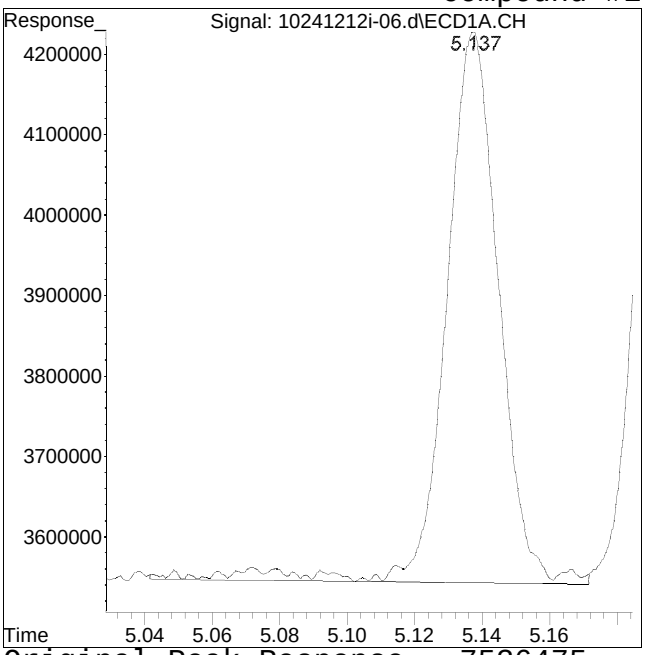
Manual Peak Response = 11184407 M4

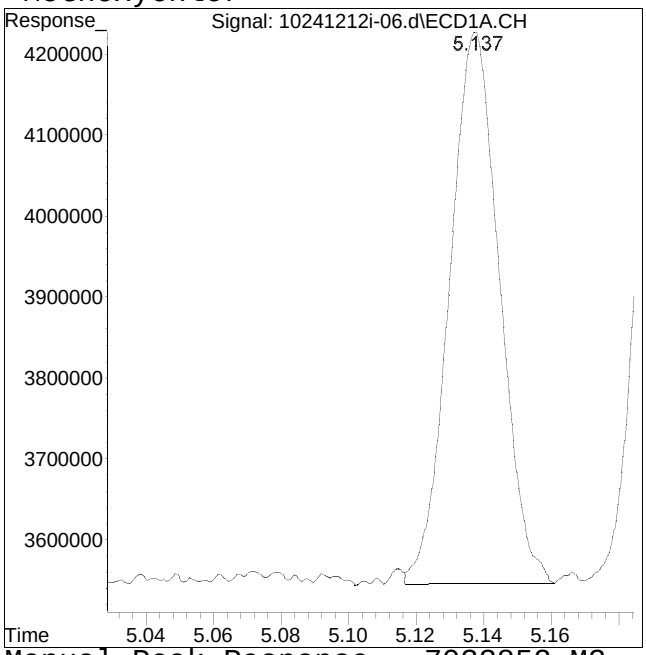
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-06.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:18 Instrument : Pest 10
Sample : il4pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:29 am

Compound #23: Methoxychlor



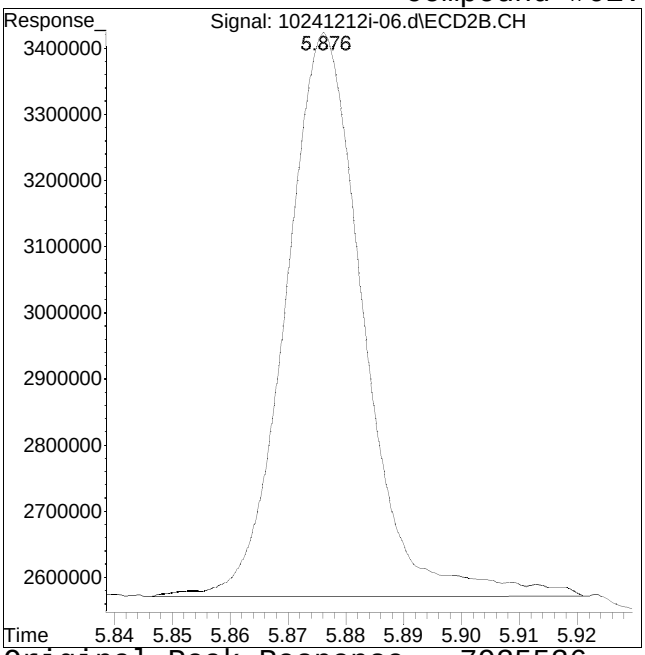


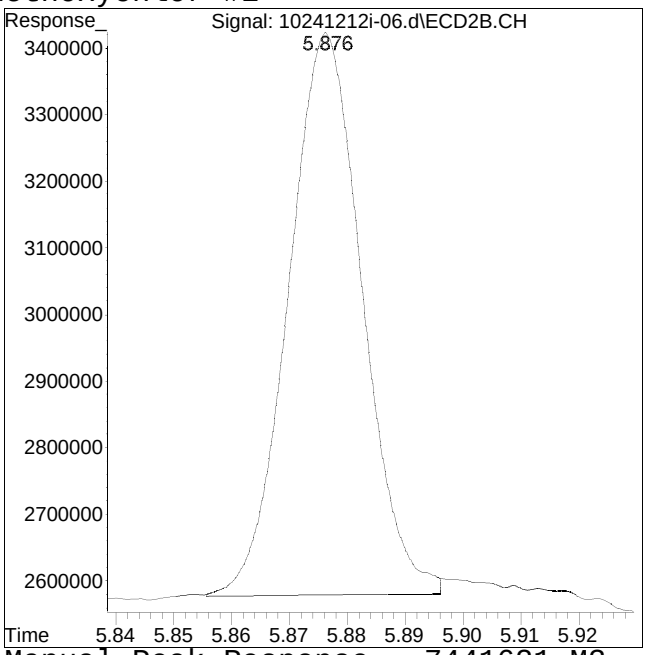
Original Peak Response = 7536475 Manual Peak Response = 7033852 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-06.d
Date Inj'd : 12/12/2024 20:18
Sample : il4pest,42e,,pp 11929 L0.0
Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 10:29 am

Compound #61: Methoxychlor #2





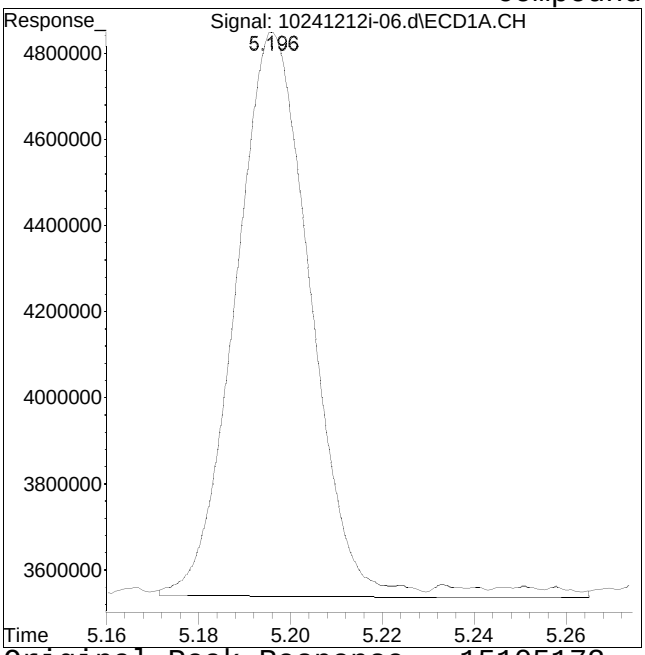
Original Peak Response = 7935536 Manual Peak Response = 7441621 M3

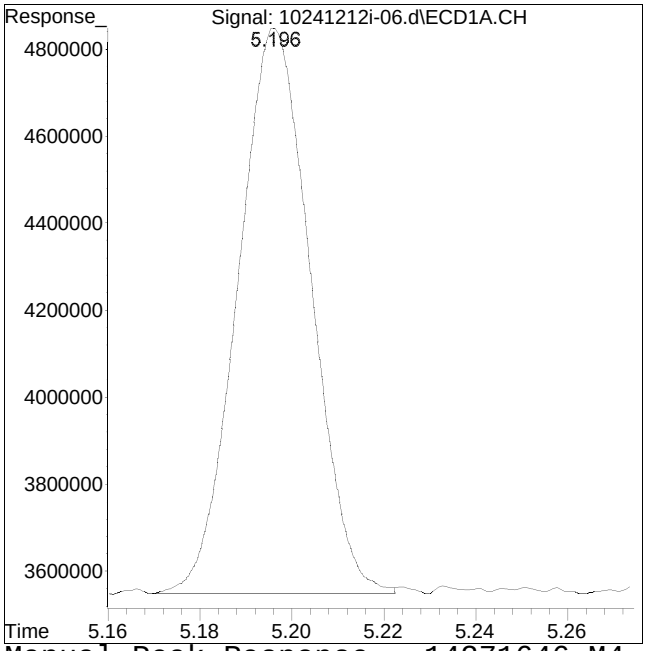
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-06.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:18 Instrument : Pest 10
Sample : il4pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:29 am

Compound #24: Mirex



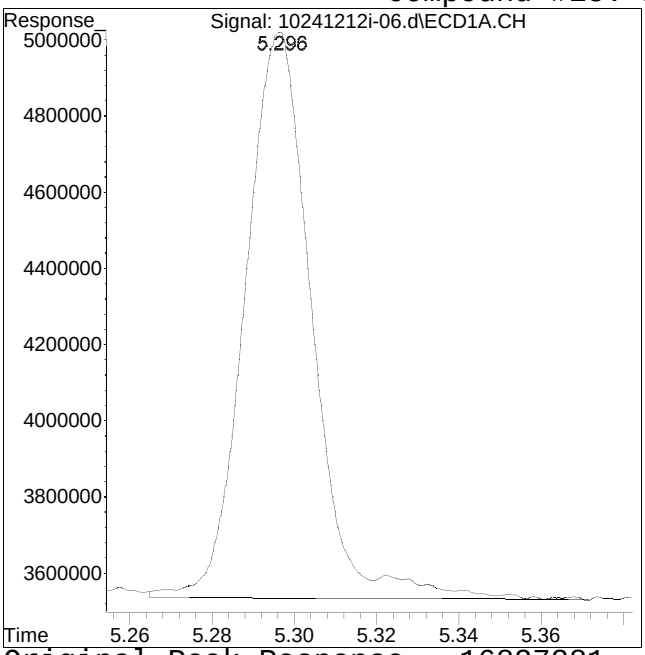


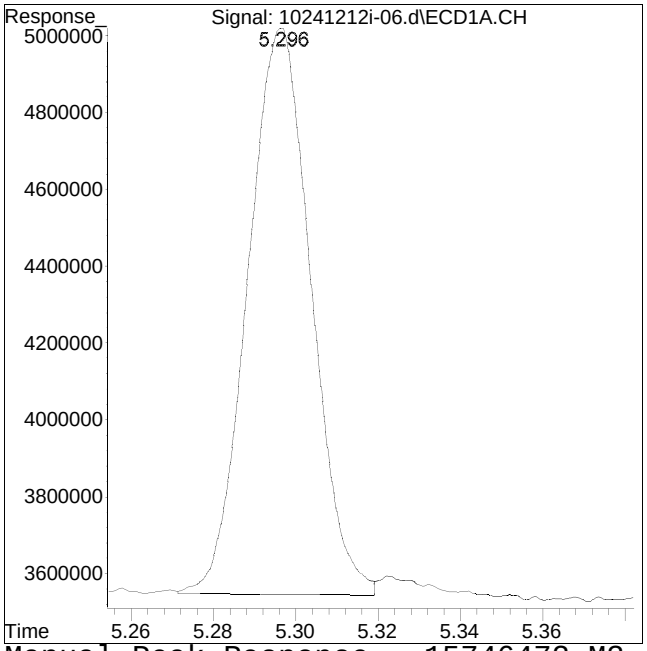
Original Peak Response = 15105172 Manual Peak Response = 14271646 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-06.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:18 Instrument : Pest 10
Sample : il4pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:29 am

Compound #25: Endosulfan Sulfate



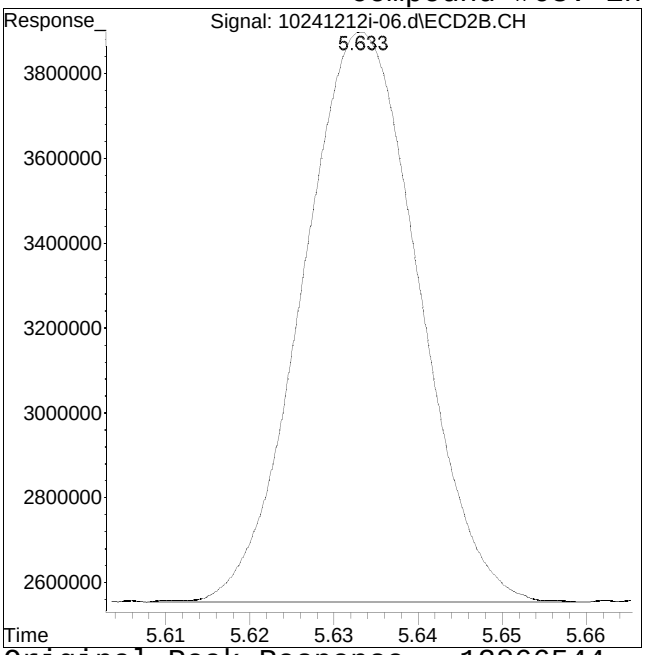


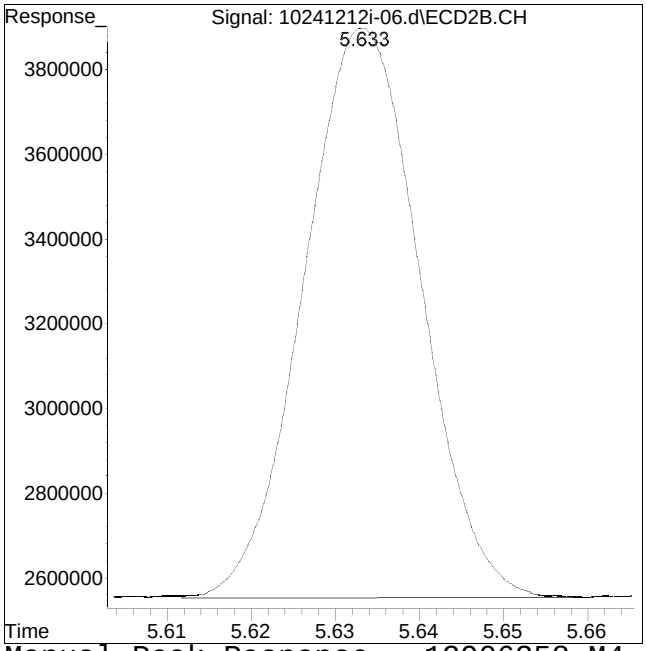
Original Peak Response = 16827281 Manual Peak Response = 15746472 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-06.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:18 Instrument : Pest 10
Sample : il4pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:29 am

Compound #63: Endosulfan Sulfate #2



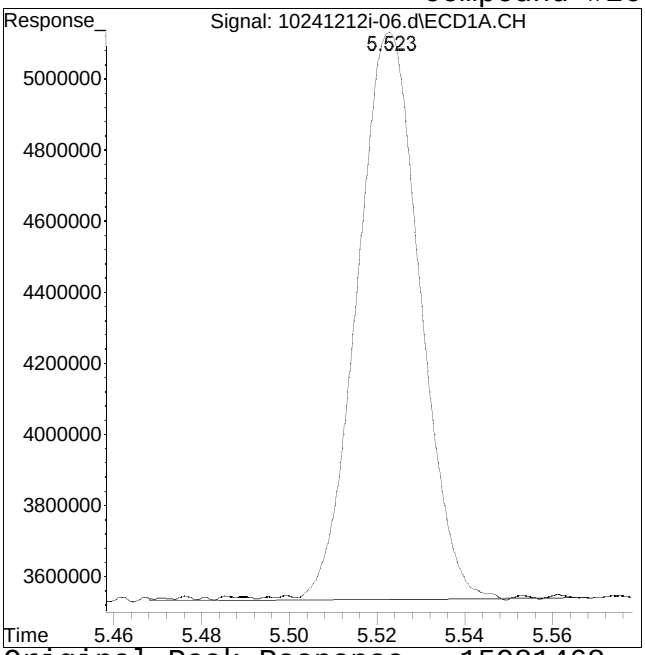


Original Peak Response = 12866544 Manual Peak Response = 12906358 M4
M4 = Poor automated baseline construction.

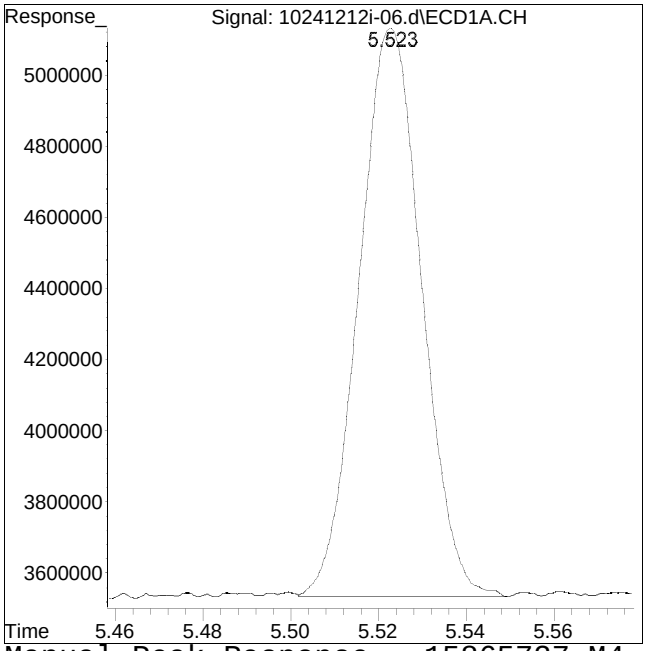
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-06.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:18 Instrument : Pest 10
Sample : il4pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:29 am

Compound #26: Endrin Ketone



Original Peak Response = 15981468



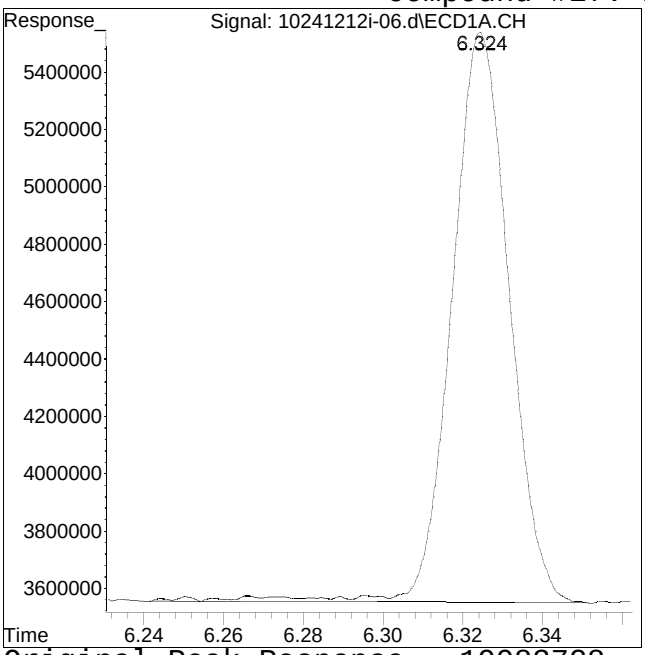
Manual Peak Response = 15865727 M4

M4 = Poor automated baseline construction.

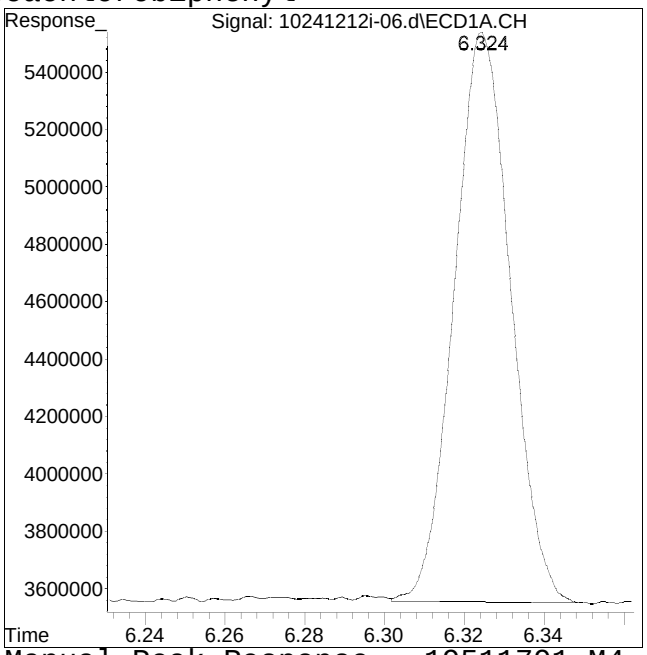
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-06.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:18 Instrument : Pest 10
Sample : il4pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:29 am

Compound #27: Decachlorobiphenyl



Original Peak Response = 19983728



Manual Peak Response = 19511791 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 20:29
Operator : PEST10:ejl
Sample : il5pest,42e,,pp 11929 L0.004
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 10:22:45 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 10:22:35 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
		Internal Standards						
1)	i	1-br-2-nb_Pe	1.326	1.365	81902826	75726995	25.000M3	25.000M3
28)	i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33)	i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
		System Monitoring Compounds						
2)	s	2,4,5,6-Tetr	1.674	1.837	26936143	16878068	5.128M4	4.342
		Spiked Amount 50.000	Range 30 - 150		Recovery =		10.26%#	8.68%#
27)	s	Decachlorobi	6.326	6.907	26097423	20866205	5.498M4	5.001
		Spiked Amount 50.000	Range 30 - 150		Recovery =		11.00%#	10.00%#
		Target Compounds						
3)	t	Hexachlorobe	1.889	2.155	29067741	19316982	5.320M4	4.600M4
4)	t	alpha-BHC	1.988	2.250	26194601	20623278	4.785M4	3.762
5)	t	gamma-BHC (l	2.193	2.534	23446694	19387728	4.877M3	3.924
6)	t	beta-BHC	2.250	2.598	11967325	9800135	5.306M3	4.516
7)	t	delta-BHC	2.379	2.864	24638706	19413188	4.804M4	3.780
8)	t	Heptachlor	2.544	2.928	22191467	19726142	5.122M3	4.177M4
9)	t	Aldrin	2.790	3.245	26356937	20452184	4.938M3	3.940M3
10)	t	Alachlor	2.910	3.130	3641336	3066801	5.357M3	4.851M4
11)	t	Chlorpyrifos	3.003	3.482	11661336	11371596	5.587M3	5.081M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 20:29
Operator : PEST10:ejl
Sample : il5pest,42e,,pp 11929 L0.004
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 10:22:45 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 10:22:35 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.339	3.859	23670434	19752684	5.060M3	4.171M4
13)	t	gamma-Chlord	3.465	4.078	22706621	18434027	5.001M4	4.156M4
14)	t	alpha-Chlord	3.601	4.251	27152143	21142442	5.166M4	4.199
15)	t	4,4'-DDE	3.698	4.450	27433828	20289789	4.900M4	3.901M4
16)	t	Endosulfan I	3.738	4.311	23722923	19091228	5.055M4	4.145M4
17)	t	Dieldrin	3.999	4.606	24442485	19210622	4.923M4	3.977
18)	t	Endrin	4.255	4.905	23001107	19267711	4.980M4	4.061M4
19)	t	4,4'-DDD	4.362	5.030	17076978	15137228	4.907M4	4.017M4
20)	t	Endosulfan I	4.492	5.106	21813624	17801410	5.041M3	4.201M4
21)	t	4,4'-DDT	4.654	5.309	16794161	16683041	4.932M3	4.160M4
22)	t	Endrin Aldeh	4.907	5.404	18303387	14937295	4.921M3	4.171M4
23)	t	Methoxychlor	5.139	5.877	9460544	10022983	5.375M4	4.774M4
24)	t	Mirex	5.198	6.011	18987515	17393620	5.398M4	4.875
25)	t	Endosulfan S	5.298	5.634	20895454	17195123	5.191M3	4.427M4
26)	t	Endrin Keton	5.525	6.047	21260698	19394919	5.244M4	4.420
29)	l1	chlordane-1	0.000	0.000	0	0	N.D.	N.D.
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 20:29
Operator : PEST10:ejl
Sample : il5pest,42e,,pp 11929 L0.004
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 10:22:45 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 10:22:35 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

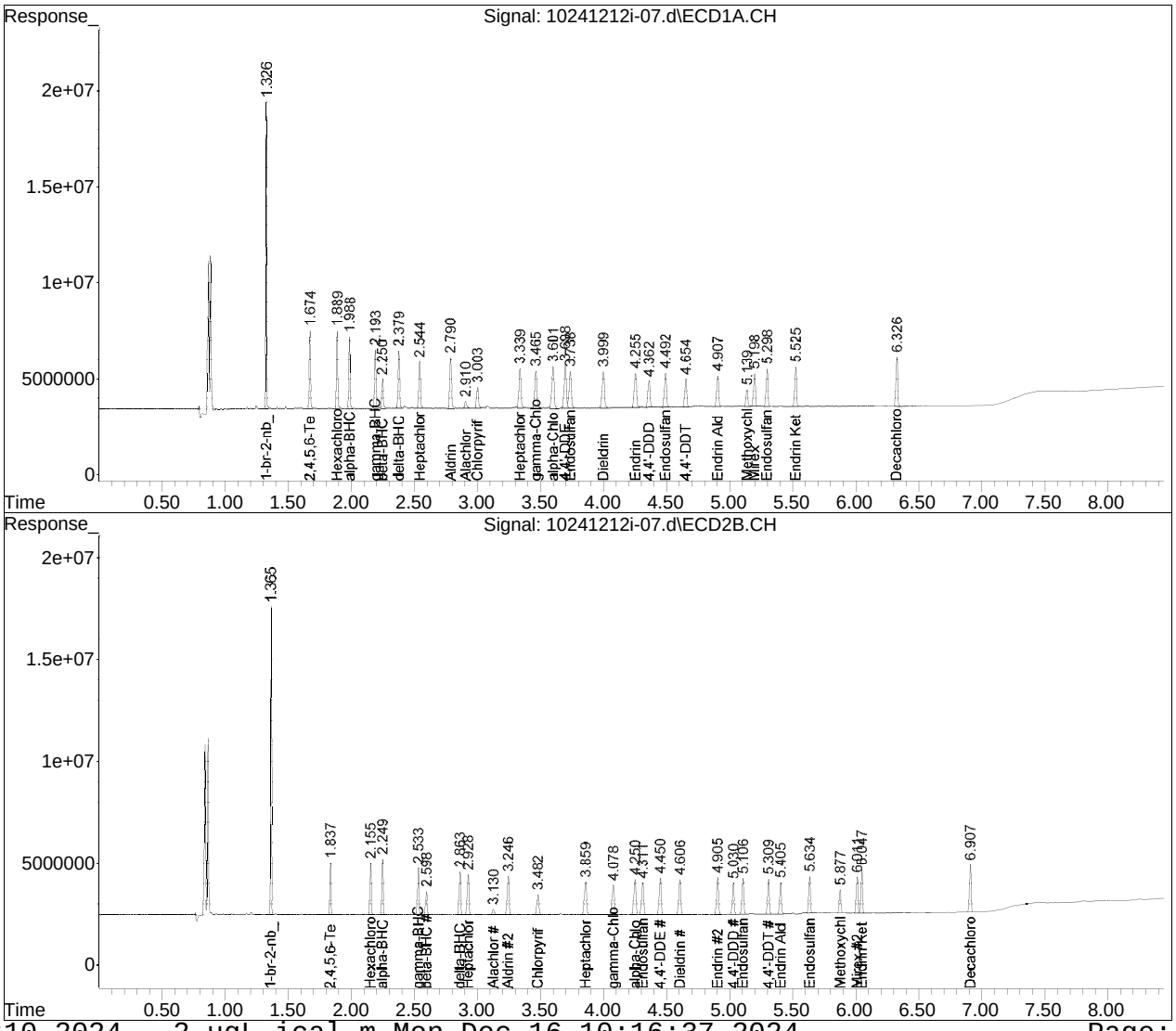
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 20:29
Operator : PEST10:ejl
Sample : il5pest,42e,,pp 11929 L0.004
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 10:22:45 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 10:22:35 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

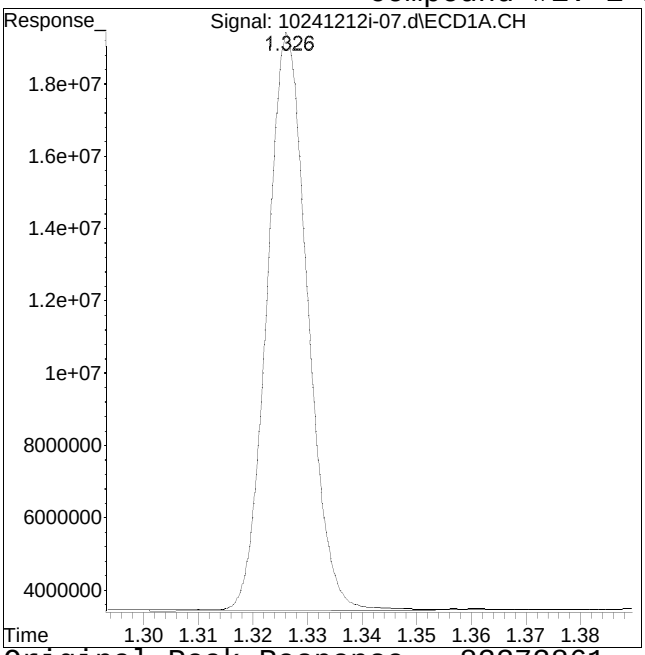
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

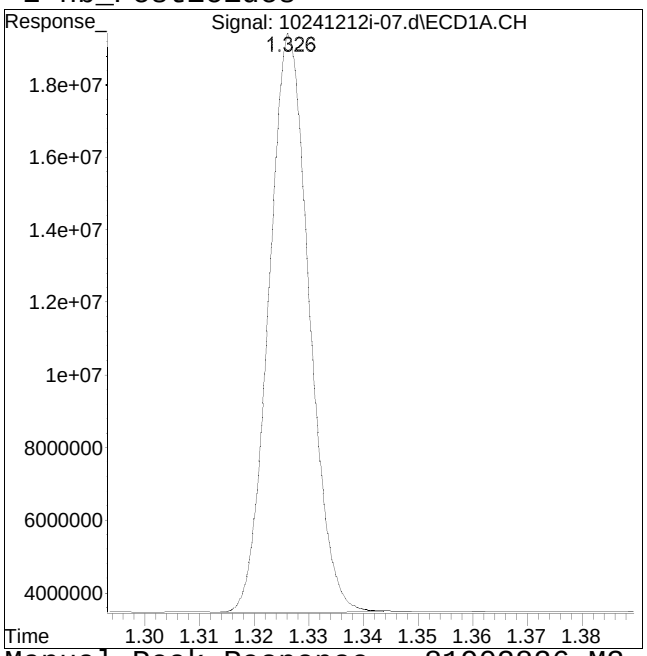


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-07.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:29 Instrument : Pest 10
Sample : il5pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:22 am

Compound #1: 1-br-2-nb_Pesticides



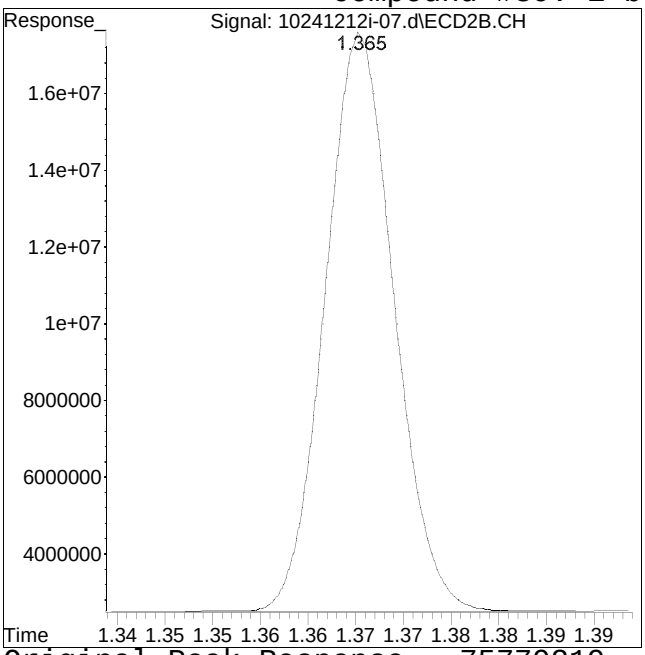


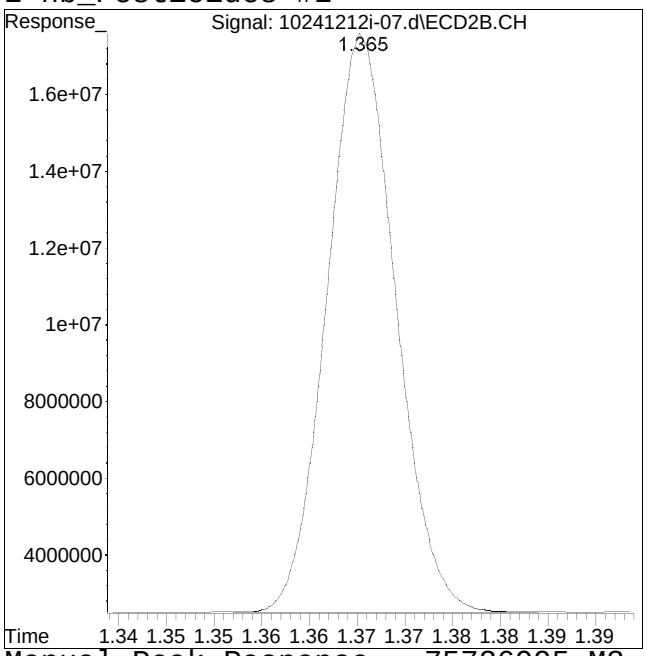
Original Peak Response = 83373861 Manual Peak Response = 81902826 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-07.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:29 Instrument : Pest 10
Sample : il5pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:22 am

Compound #39: 1-br-2-nb_Pesticides #2



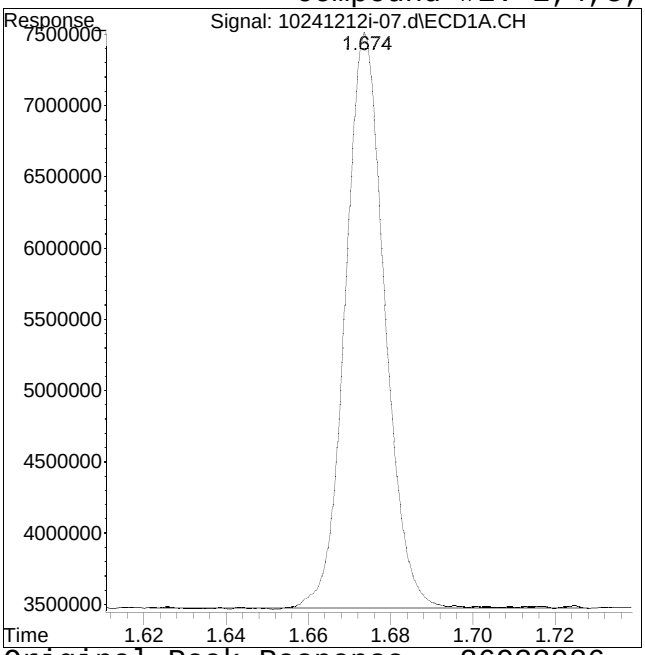


Original Peak Response = 75779219 Manual Peak Response = 75726995 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

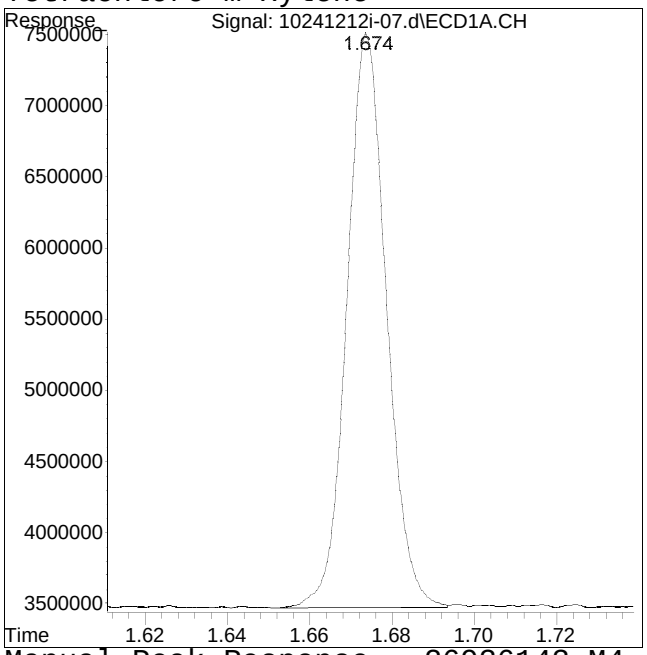
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-07.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:29 Instrument : Pest 10
Sample : il5pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:22 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 26933926



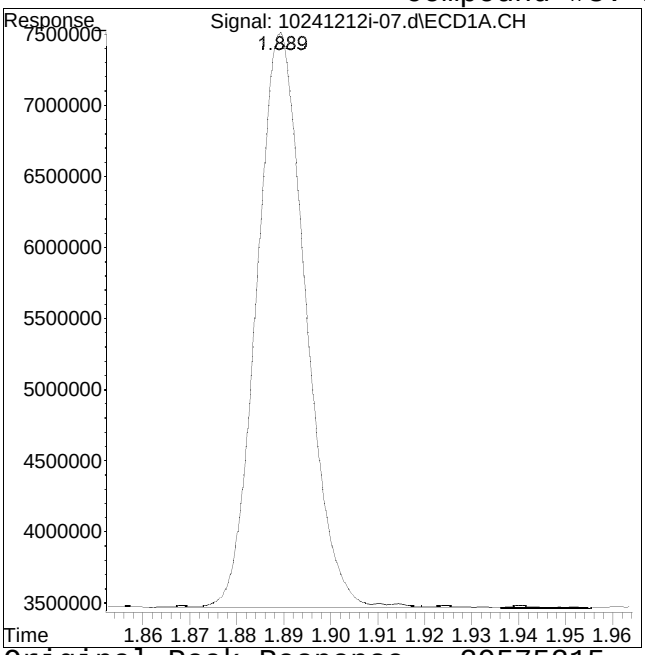
Manual Peak Response = 26936143 M4

M4 = Poor automated baseline construction.

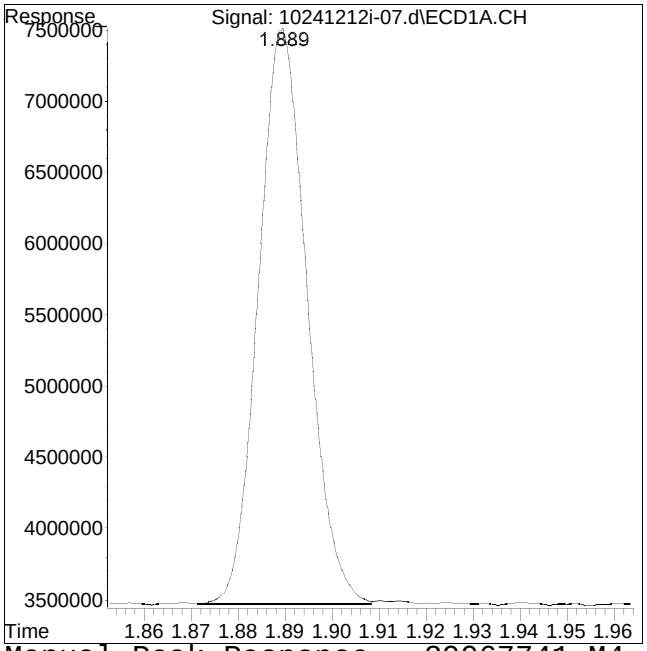
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-07.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:29 Instrument : Pest 10
Sample : il5pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:22 am

Compound #3: Hexachlorobenzene



Original Peak Response = 29575215



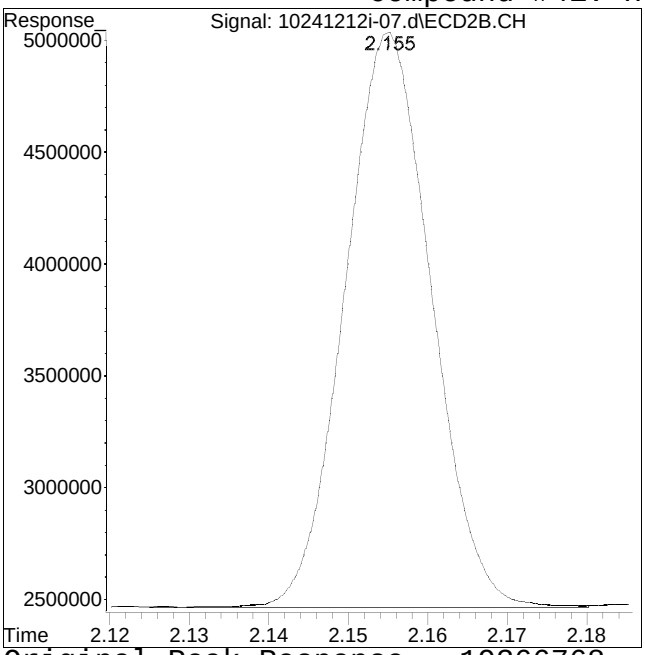
Manual Peak Response = 29067741 M4

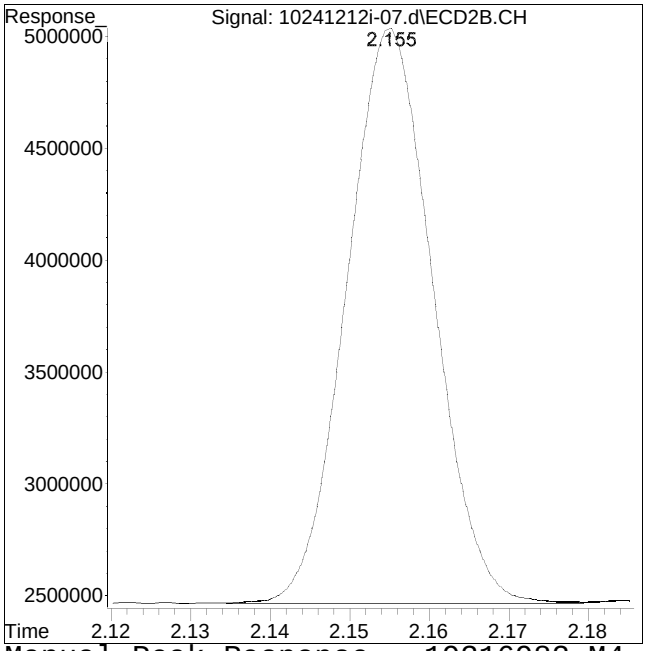
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-07.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:29 Instrument : Pest 10
Sample : il5pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:22 am

Compound #41: Hexachlorobenzene #2





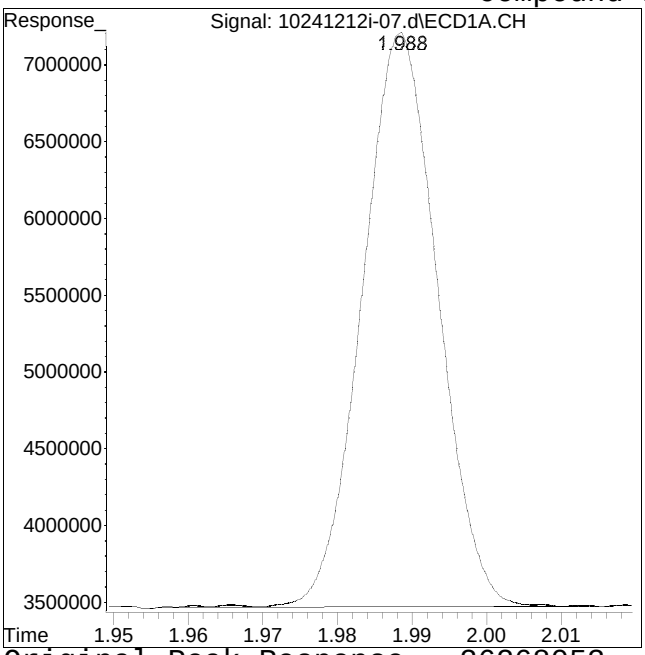
Original Peak Response = 19366768 Manual Peak Response = 19316982 M4
M4 = Poor automated baseline construction.

Manual Integration Report

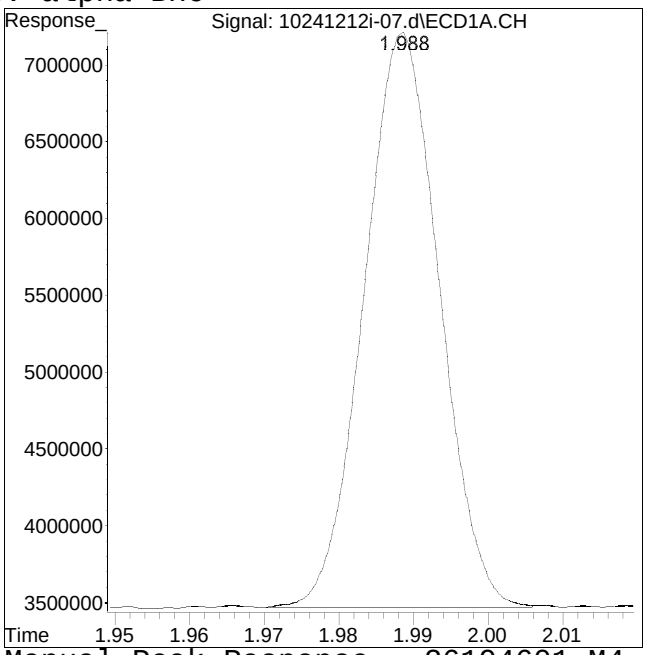
Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-07.d
Date Inj'd : 12/12/2024 20:29
Sample : il5pest,42e,,pp 11929 L0.0

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 10:22 am

Compound #4: alpha-BHC



Original Peak Response = 26268053



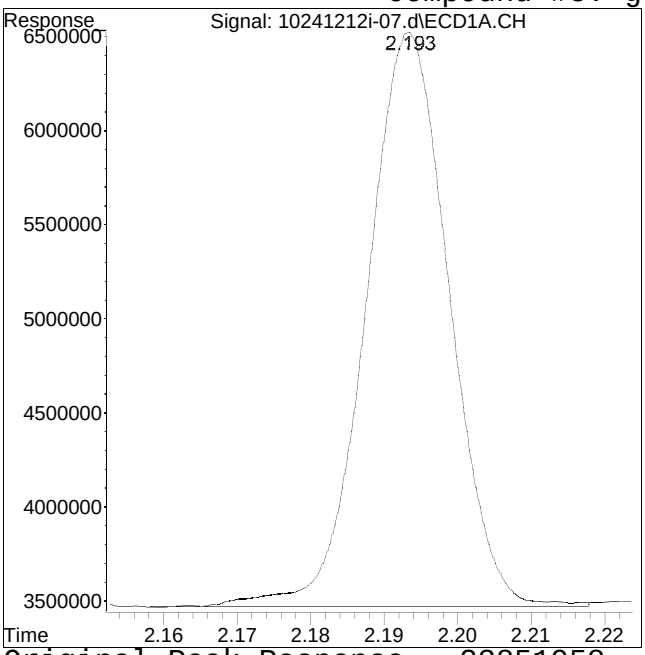
Manual Peak Response = 26194601 M4

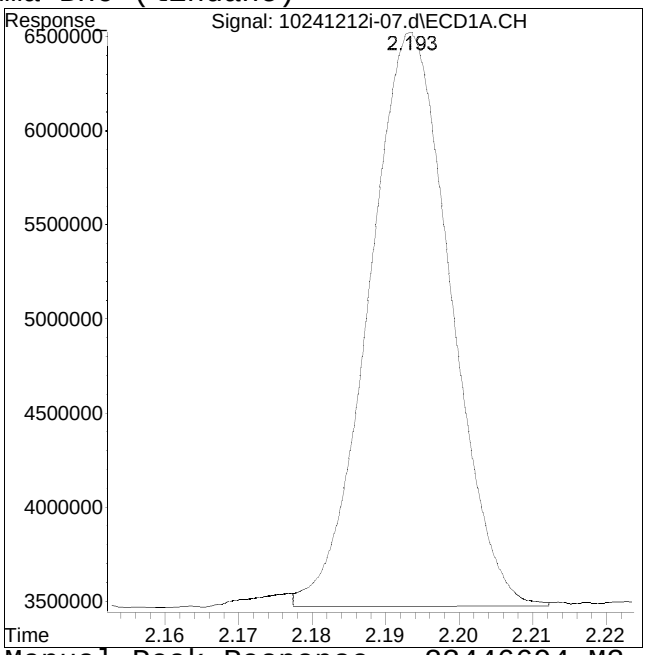
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-07.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:29 Instrument : Pest 10
Sample : il5pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:22 am

Compound #5: gamma-BHC (lindane)



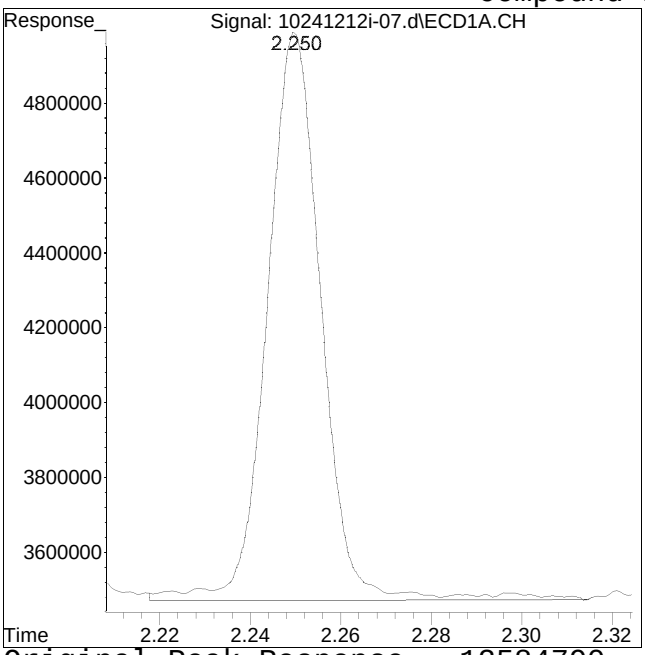


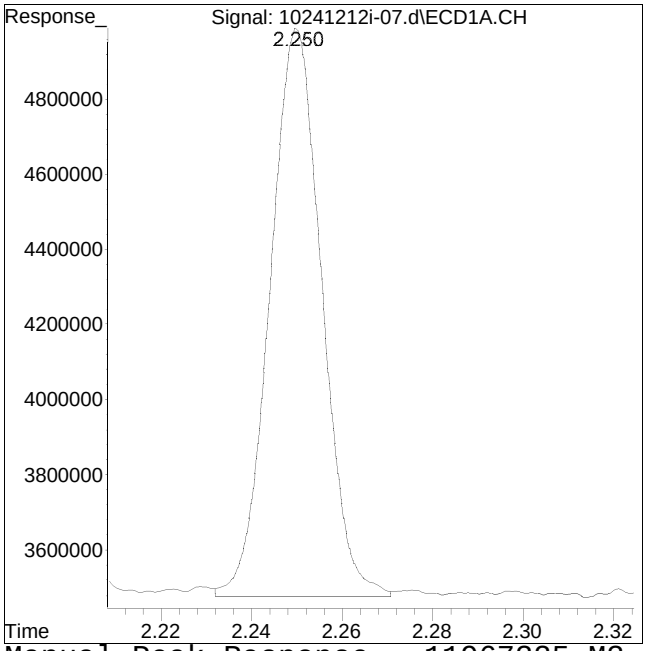
Original Peak Response = 23851958 Manual Peak Response = 23446694 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-07.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:29 Instrument : Pest 10
Sample : il5pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:22 am

Compound #6: beta-BHC



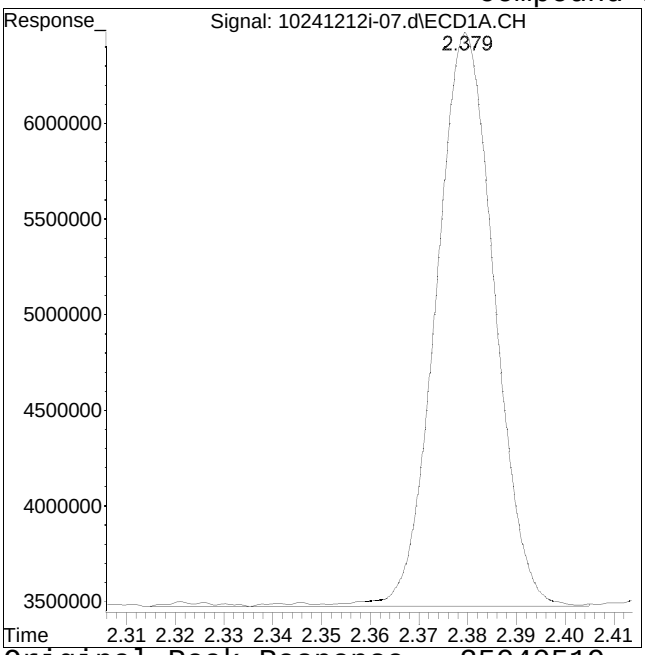


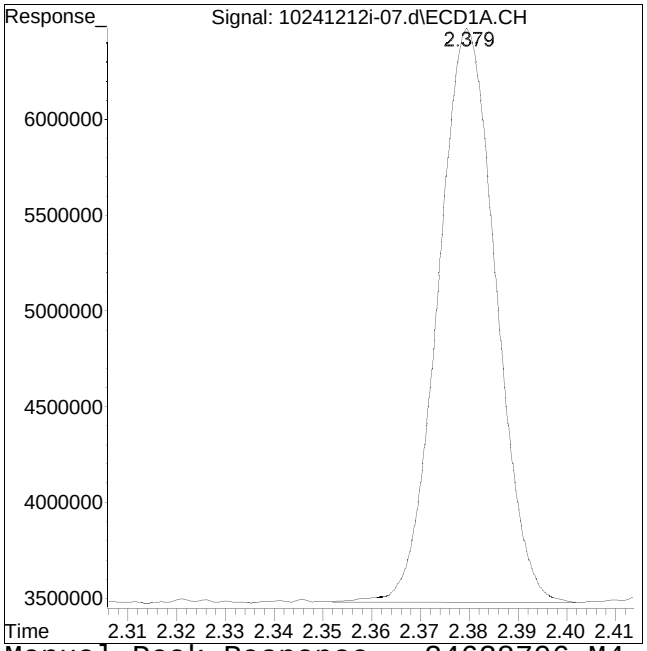
Original Peak Response = 12584790 Manual Peak Response = 11967325 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-07.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:29 Instrument : Pest 10
Sample : il5pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:22 am

Compound #7: delta-BHC



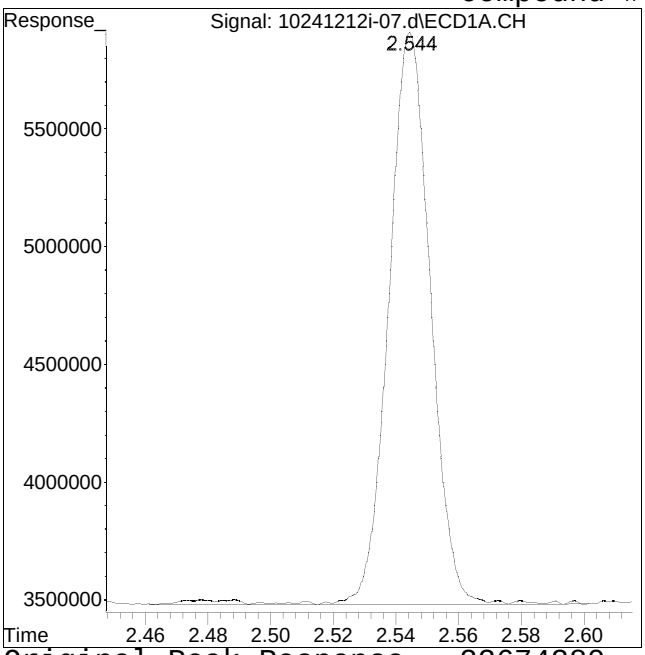


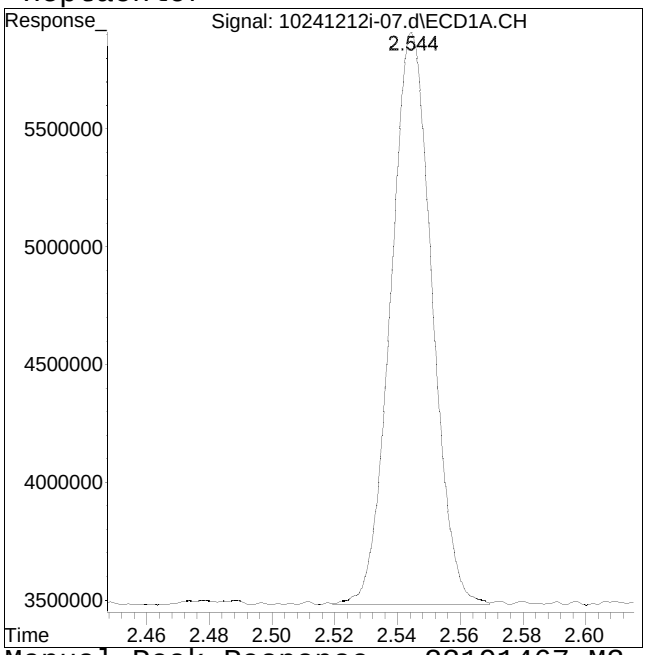
Original Peak Response = 25040519 Manual Peak Response = 24638706 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-07.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:29 Instrument : Pest 10
Sample : il5pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:22 am

Compound #8: Heptachlor



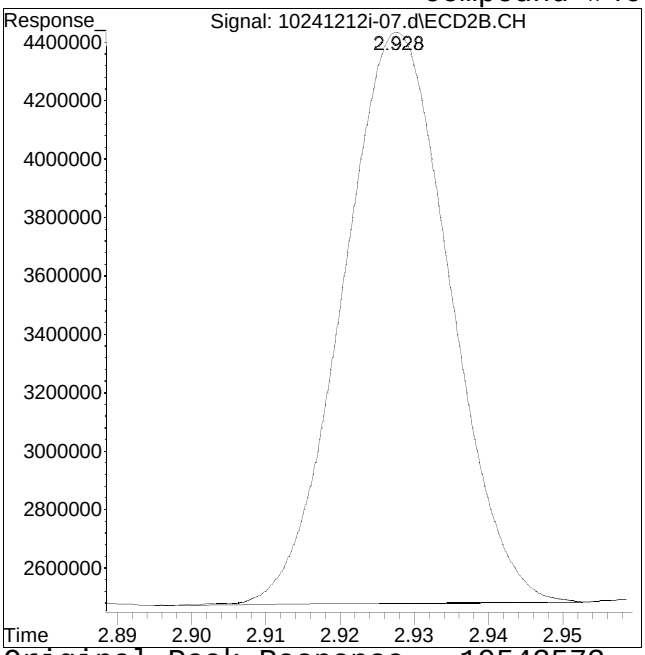


Original Peak Response = 22674280 Manual Peak Response = 22191467 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

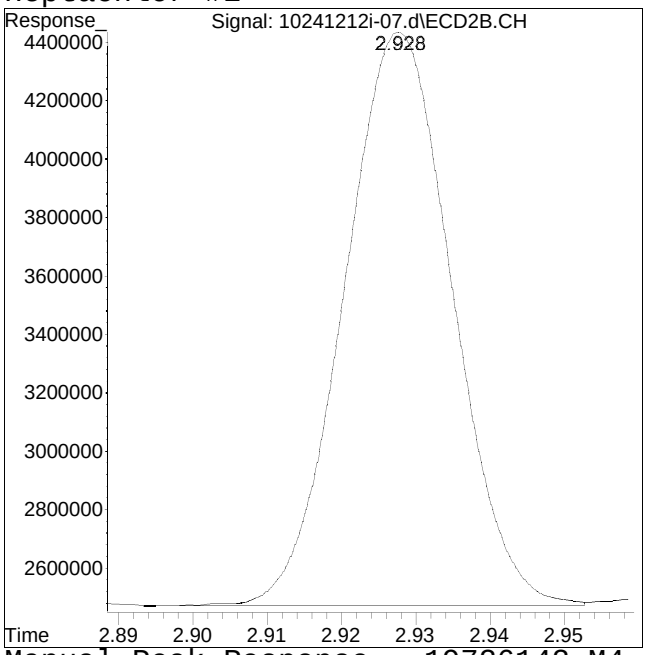
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-07.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:29 Instrument : Pest 10
Sample : il5pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:22 am

Compound #46: Heptachlor #2



Original Peak Response = 19543573



Manual Peak Response = 19726142 M4

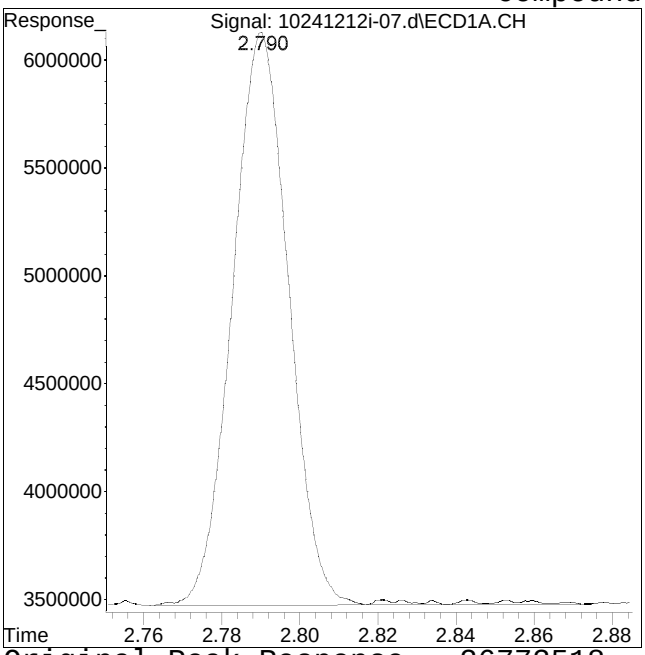
M4 = Poor automated baseline construction.

Manual Integration Report

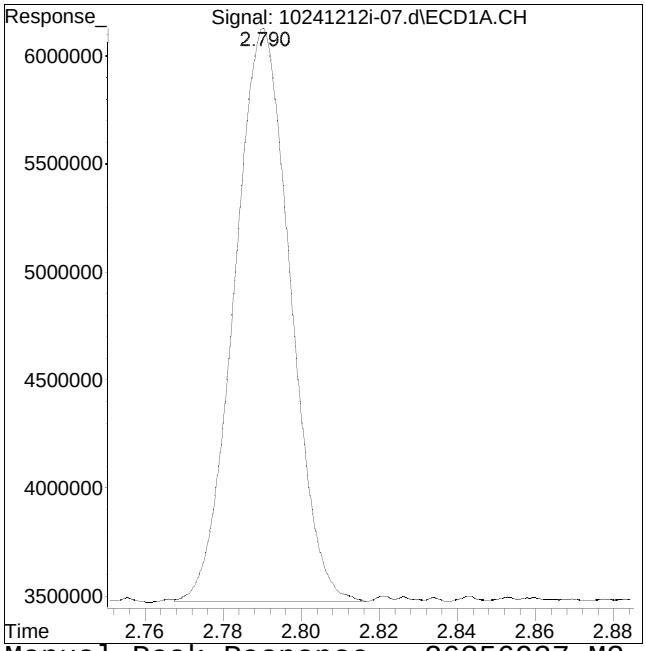
Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-07.d
Date Inj'd : 12/12/2024 20:29
Sample : il5pest,42e,,pp 11929 L0.0

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 10:22 am

Compound #9: Aldrin



Original Peak Response = 26773518



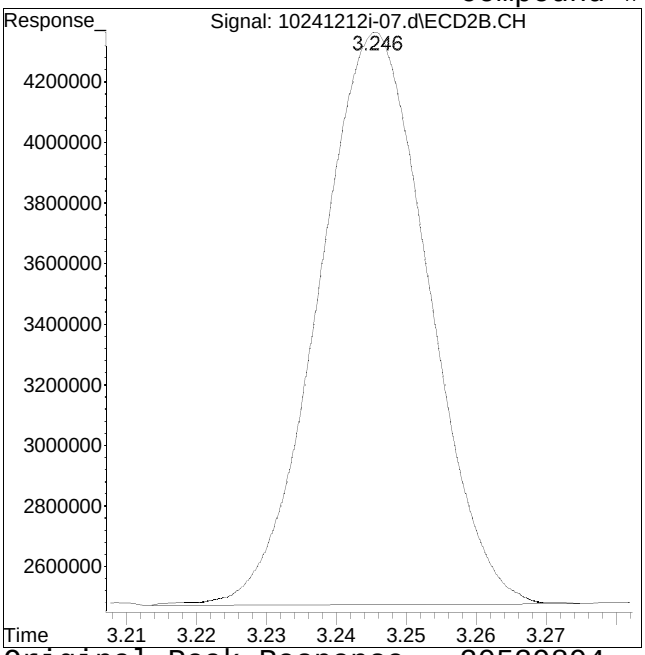
Manual Peak Response = 26356937 M3

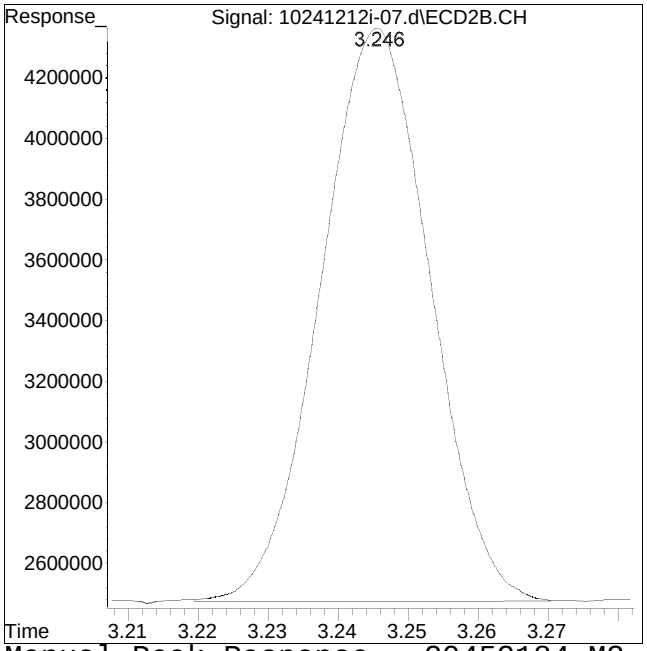
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-07.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:29 Instrument : Pest 10
Sample : il5pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:22 am

Compound #47: Aldrin #2



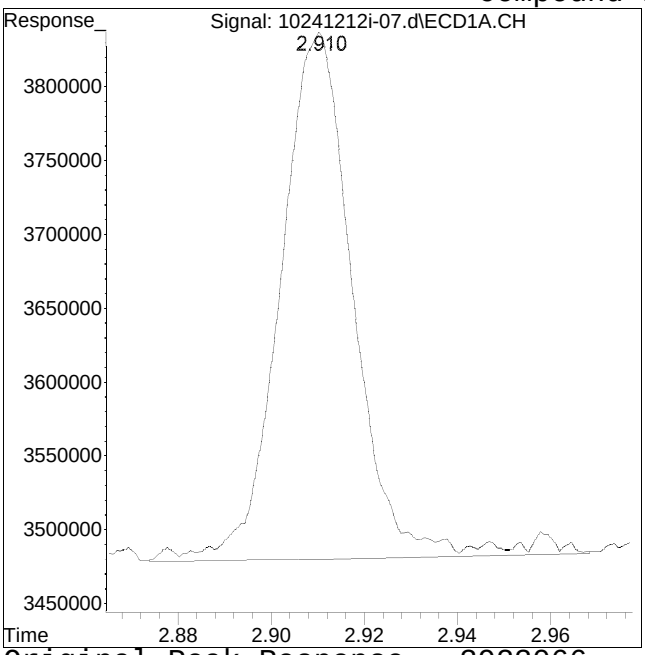


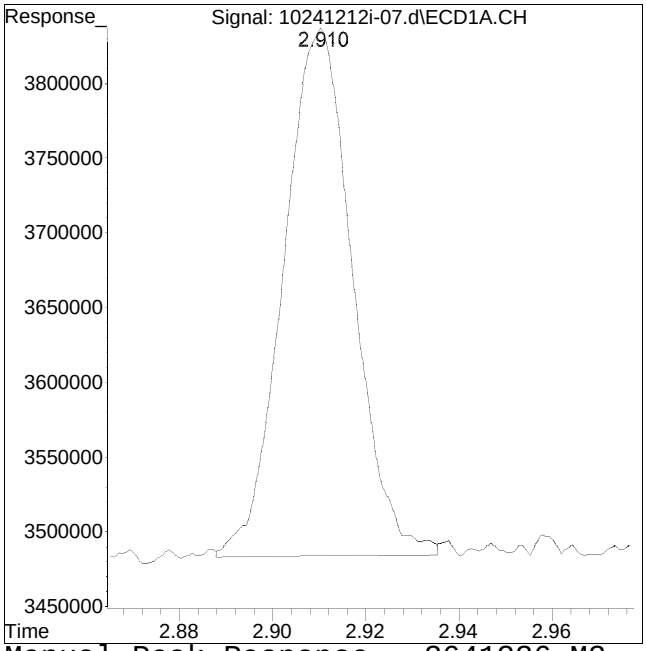
Original Peak Response = 20539894 Manual Peak Response = 20452184 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-07.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:29 Instrument : Pest 10
Sample : il5pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:22 am

Compound #10: Alachlor



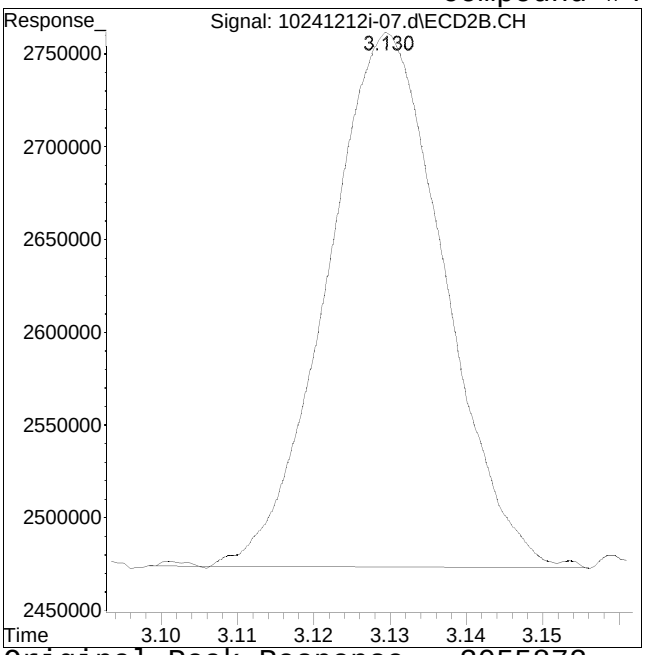


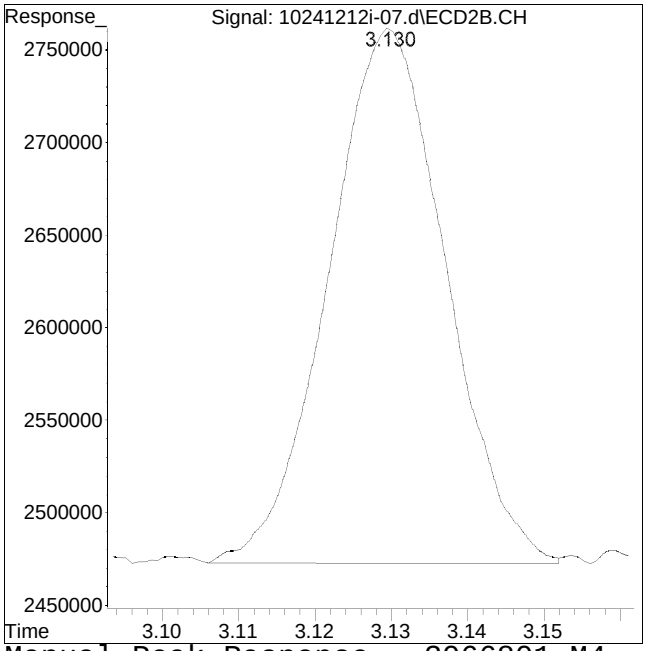
Original Peak Response = 3923066 Manual Peak Response = 3641336 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-07.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:29 Instrument : Pest 10
Sample : il5pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:22 am

Compound #48: Alachlor #2



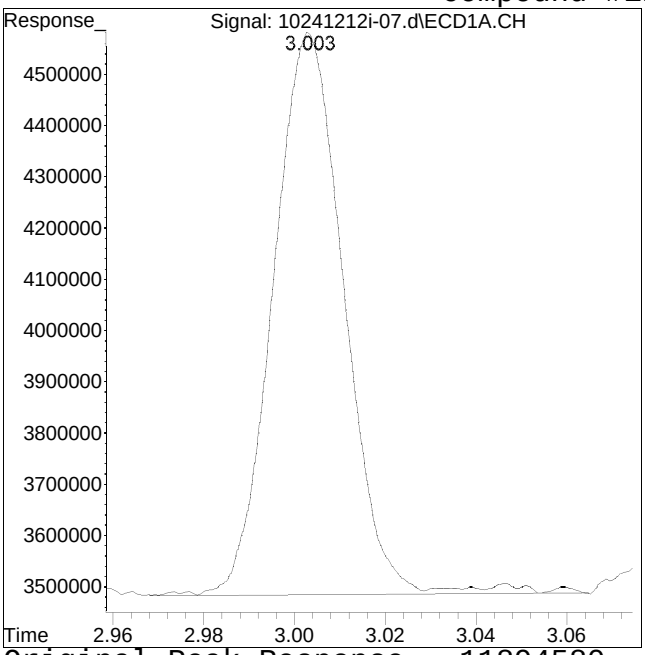


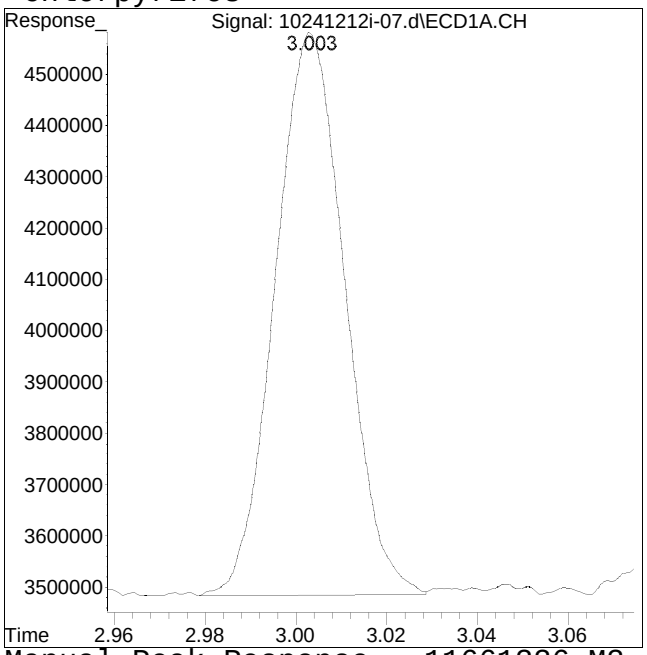
Original Peak Response = 3055872 Manual Peak Response = 3066801 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-07.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:29 Instrument : Pest 10
Sample : il5pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:22 am

Compound #11: Chlorpyrifos



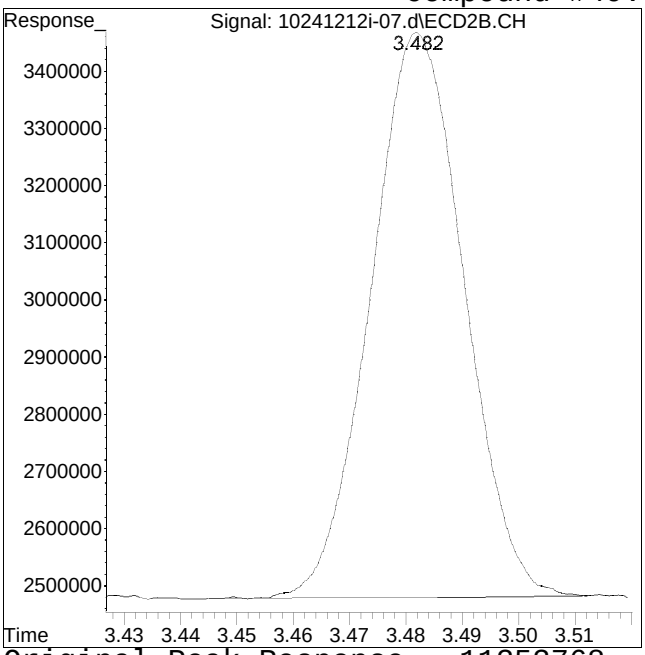


Original Peak Response = 11894580 Manual Peak Response = 11661336 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

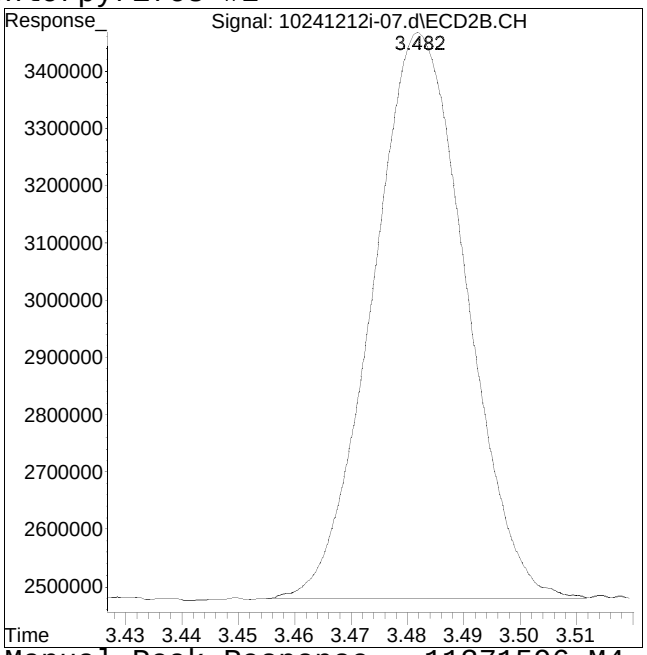
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-07.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:29 Instrument : Pest 10
Sample : il5pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:22 am

Compound #49: Chlorpyrifos #2



Original Peak Response = 11353768



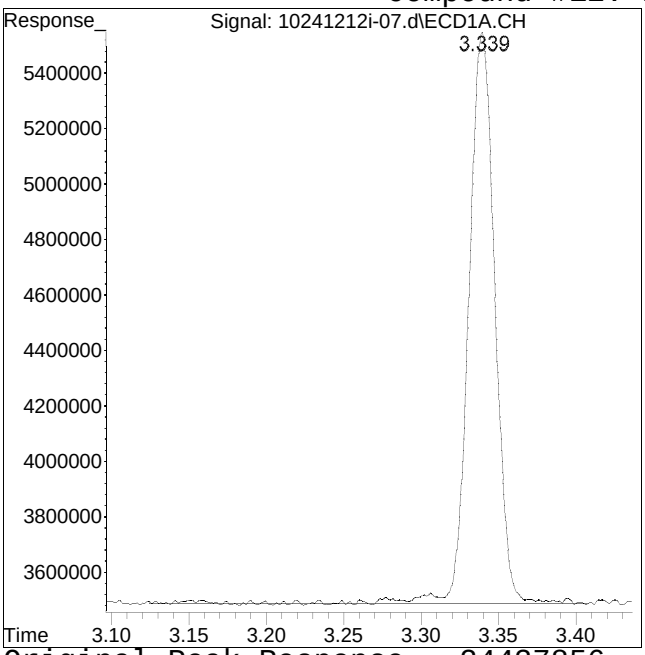
Manual Peak Response = 11371596 M4

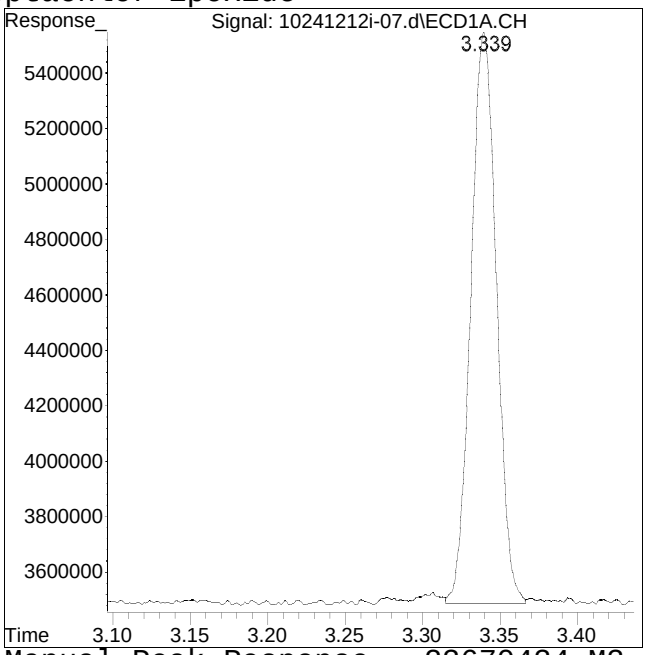
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-07.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:29 Instrument : Pest 10
Sample : il5pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:22 am

Compound #12: Heptachlor Epoxide



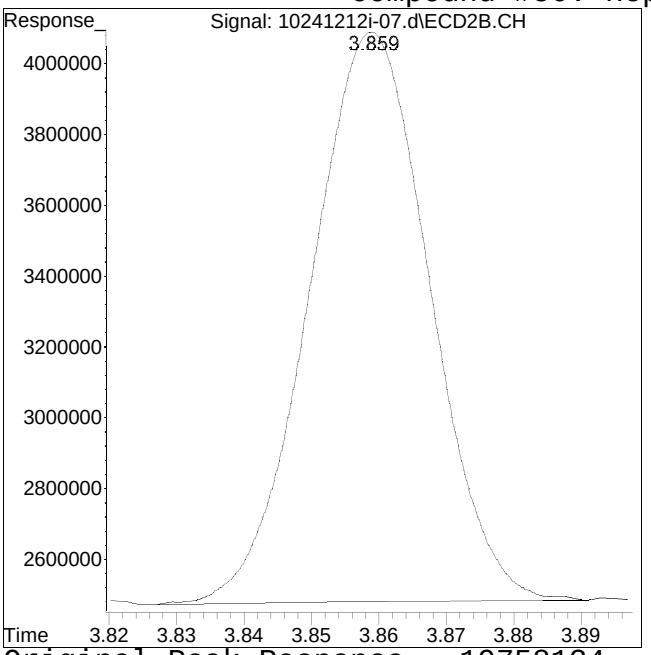


Original Peak Response = 24437856 Manual Peak Response = 23670434 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

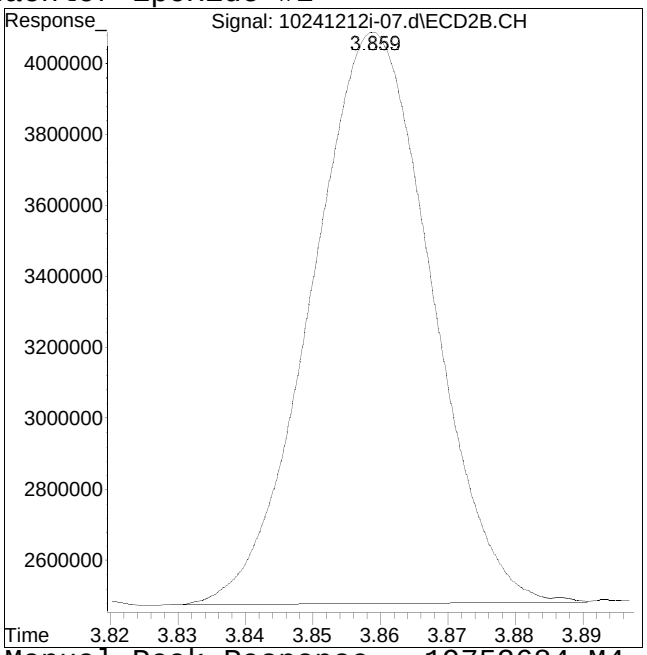
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-07.d
Date Inj'd : 12/12/2024 20:29
Sample : il5pest,42e,,pp 11929 L0.0
Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 10:22 am

Compound #50: Heptachlor Epoxide #2



Original Peak Response = 19758134



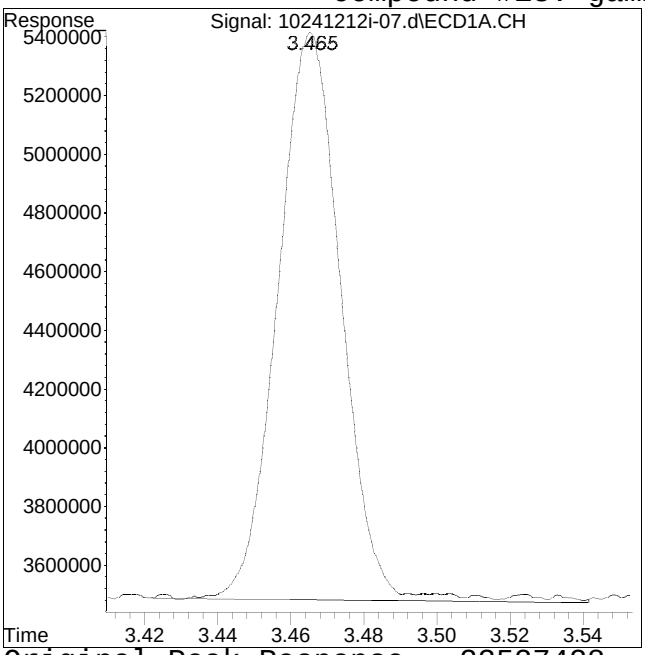
Manual Peak Response = 19752684 M4

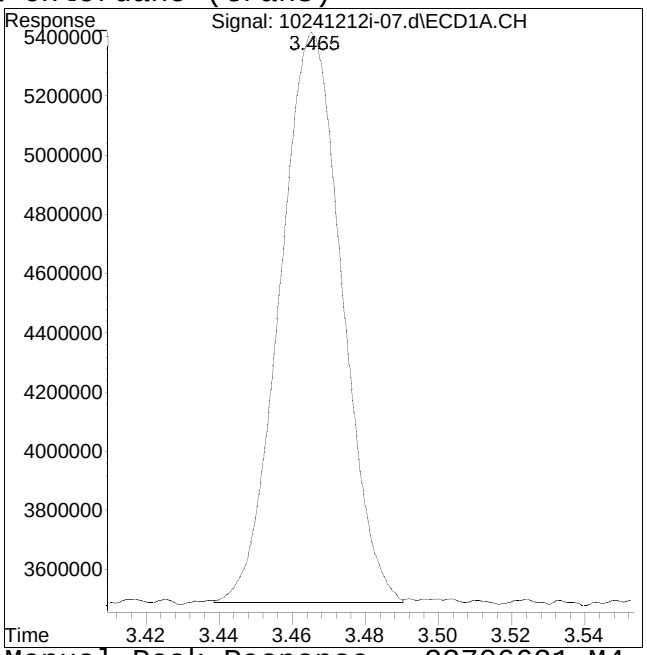
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-07.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:29 Instrument : Pest 10
Sample : il5pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:22 am

Compound #13: gamma-Chlordane (trans)



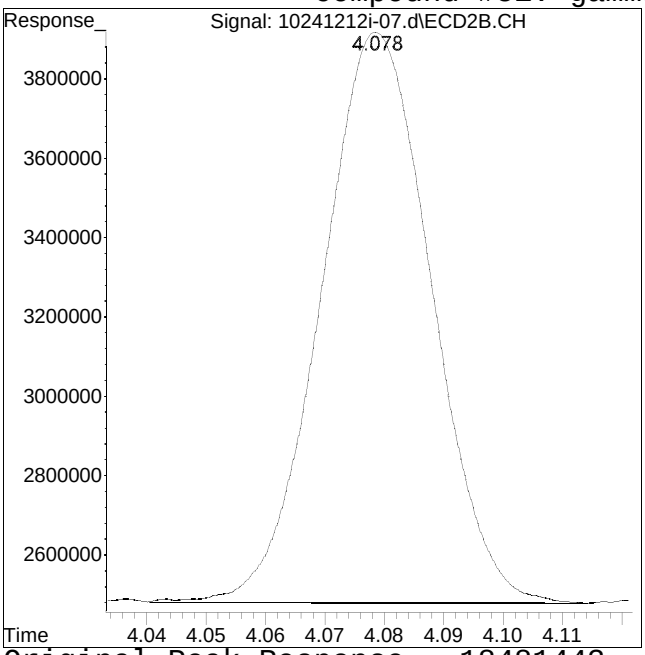


Original Peak Response = 23527428 Manual Peak Response = 22706621 M4
M4 = Poor automated baseline construction.

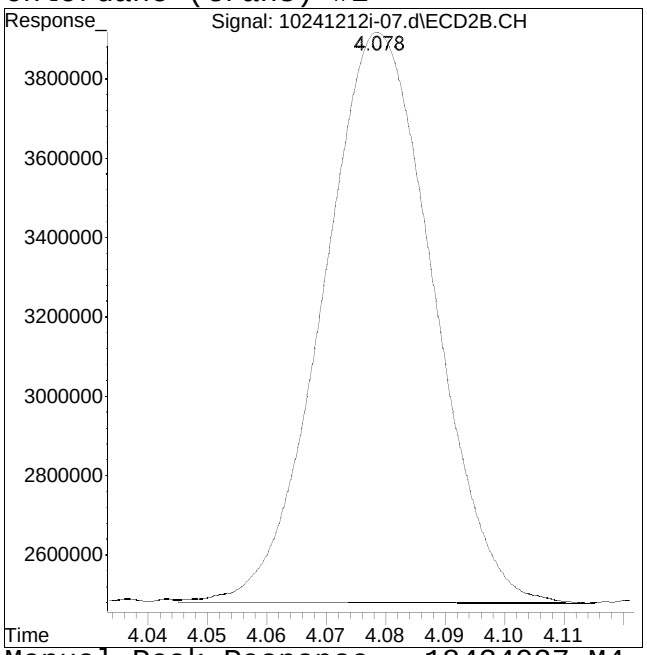
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-07.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:29 Instrument : Pest 10
Sample : il5pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:22 am

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 18481443



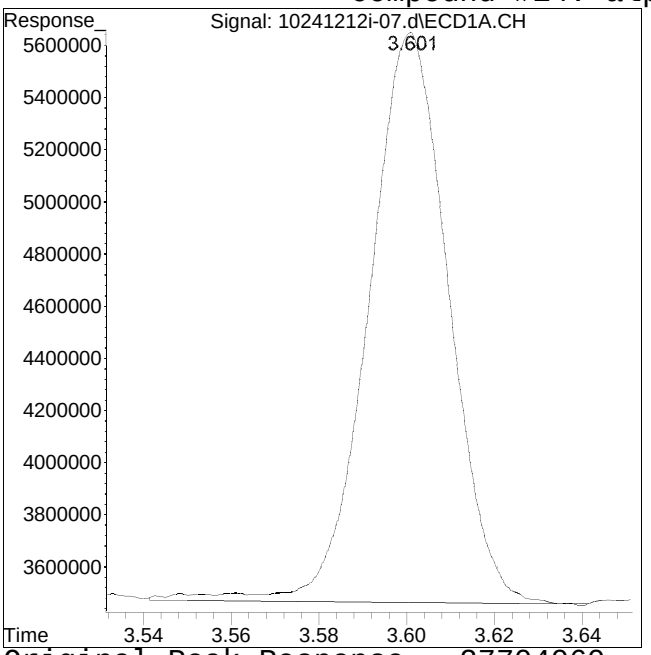
Manual Peak Response = 18434027 M4

M4 = Poor automated baseline construction.

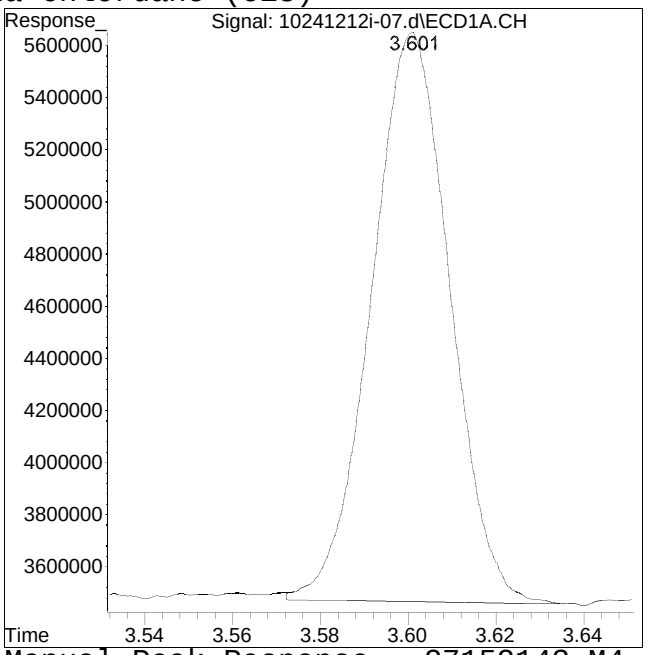
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-07.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:29 Instrument : Pest 10
Sample : il5pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:22 am

Compound #14: alpha-Chlordane (cis)



Original Peak Response = 27704060

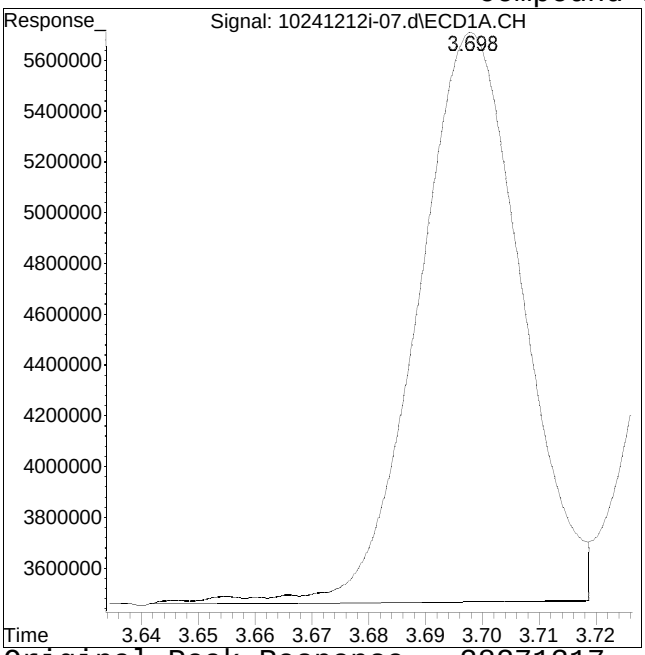


Manual Peak Response = 27152143 M4
M4 = Poor automated baseline construction.

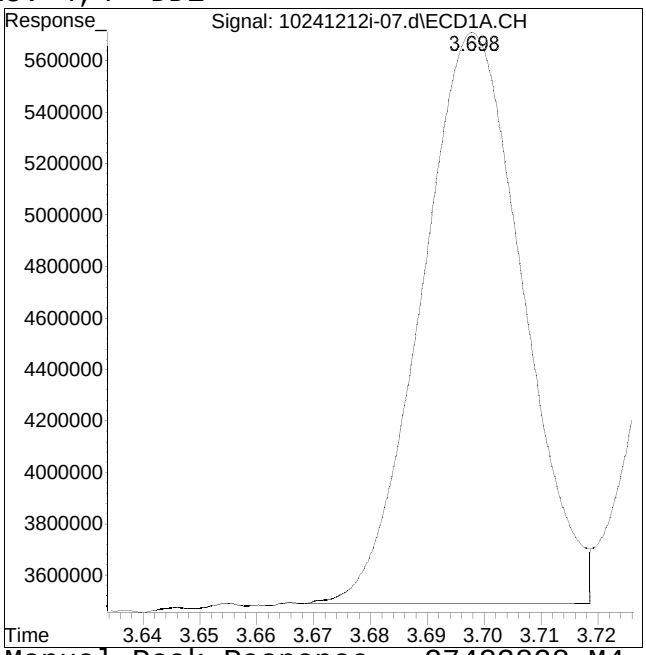
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-07.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:29 Instrument : Pest 10
Sample : il5pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:22 am

Compound #15: 4,4'-DDE



Original Peak Response = 28271317



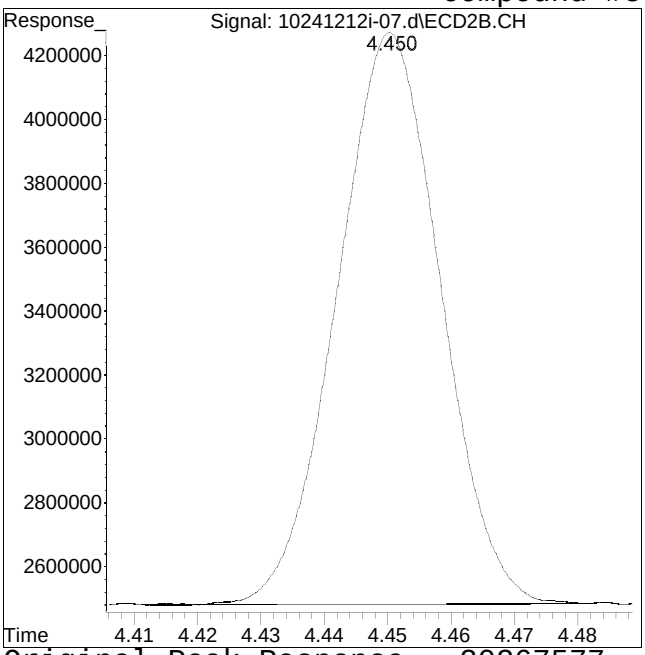
Manual Peak Response = 27433828 M4

M4 = Poor automated baseline construction.

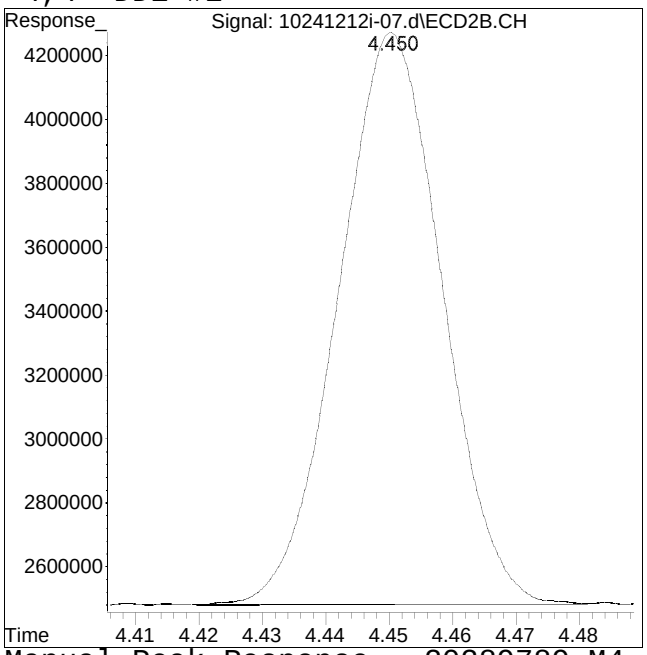
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-07.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:29 Instrument : Pest 10
Sample : il5pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:22 am

Compound #53: 4,4'-DDE #2



Original Peak Response = 20267577



Manual Peak Response = 20289789 M4

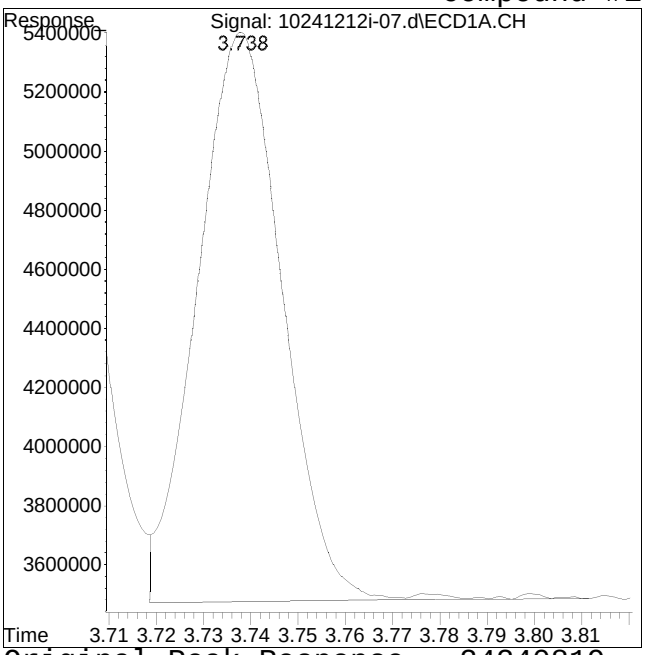
M4 = Poor automated baseline construction.

Manual Integration Report

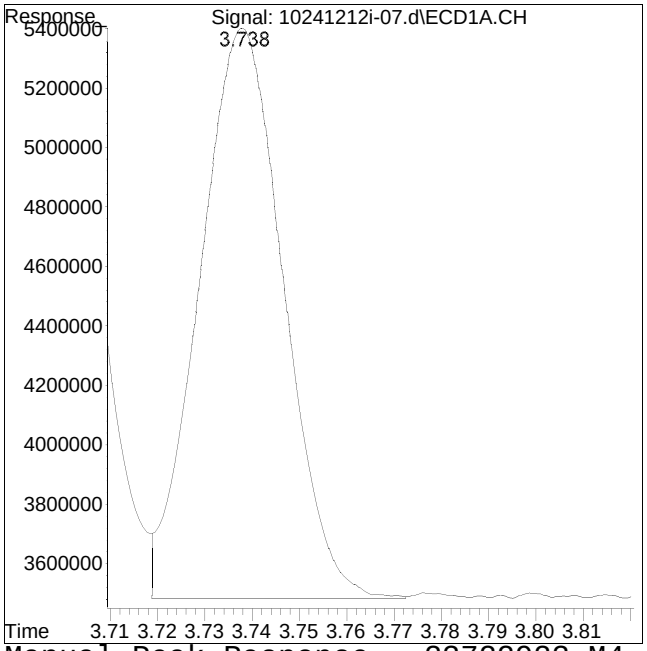
Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-07.d
Date Inj'd : 12/12/2024 20:29
Sample : il5pest,42e,,pp 11929 L0.0

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 10:22 am

Compound #16: Endosulfan I



Original Peak Response = 24240819



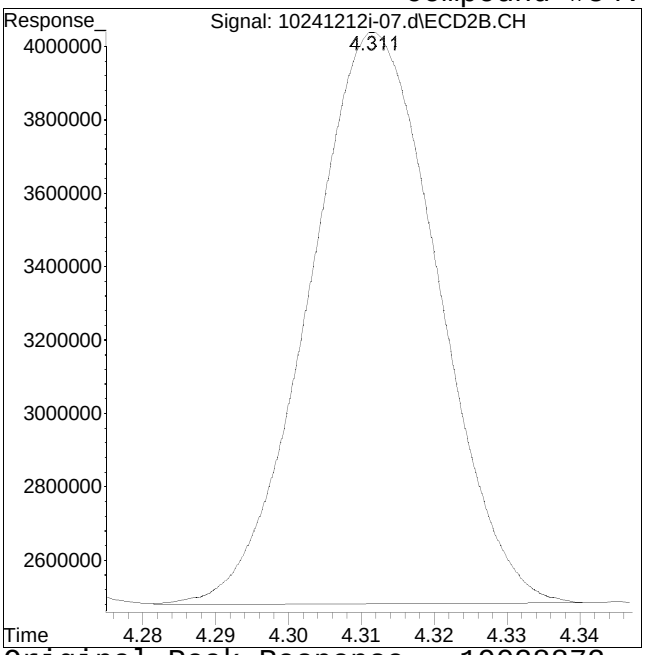
Manual Peak Response = 23722923 M4

M4 = Poor automated baseline construction.

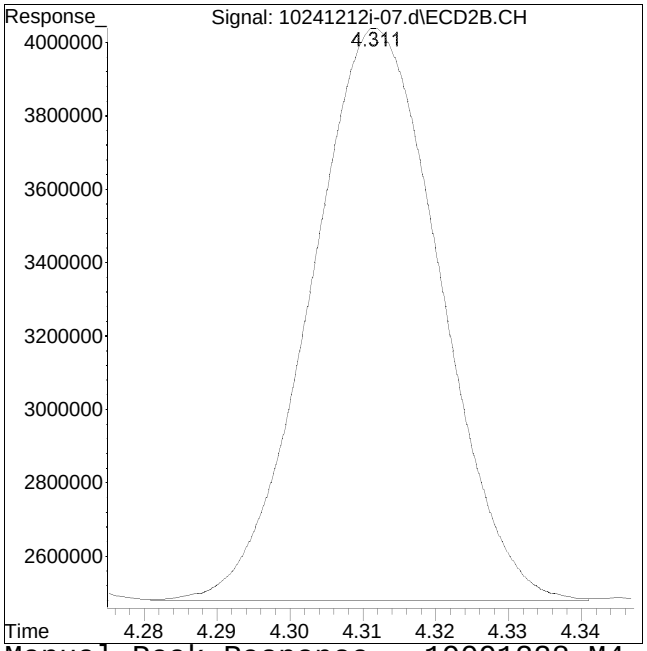
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-07.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:29 Instrument : Pest 10
Sample : il5pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:22 am

Compound #54: Endosulfan I #2



Original Peak Response = 19028872

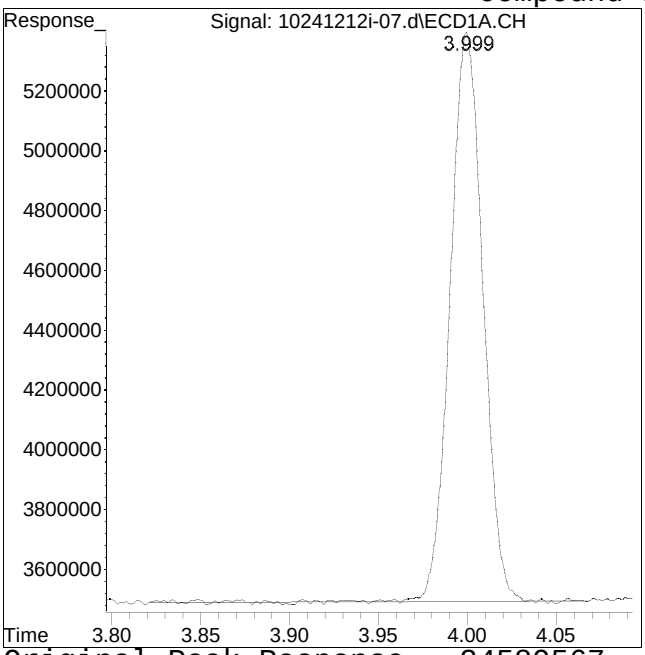


Manual Peak Response = 19091228 M4
M4 = Poor automated baseline construction.

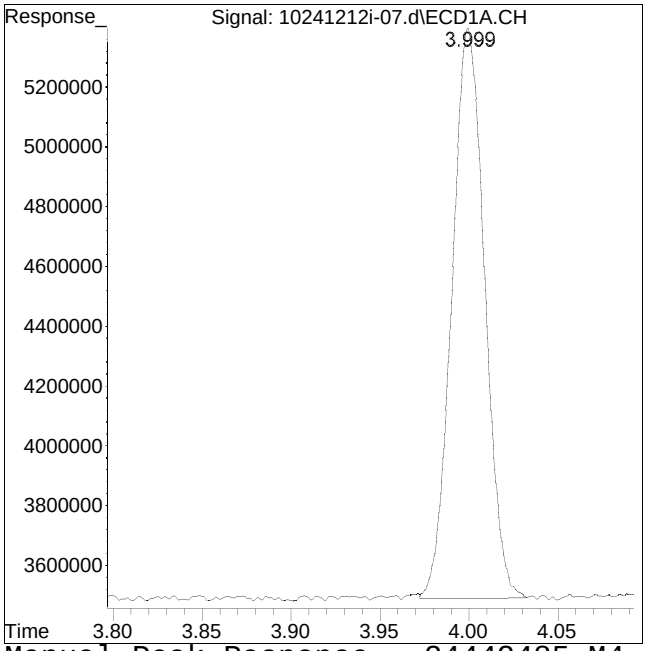
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-07.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:29 Instrument : Pest 10
Sample : il5pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:22 am

Compound #17: Dieldrin



Original Peak Response = 24589567



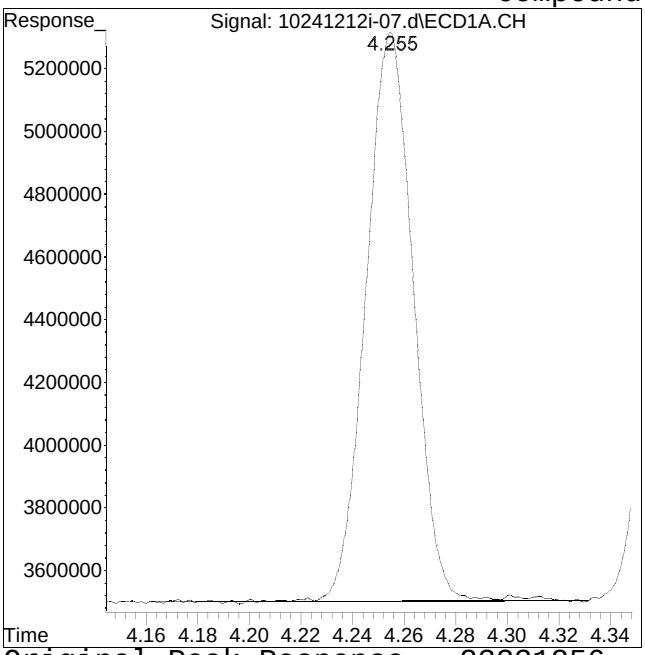
Manual Peak Response = 24442485 M4

M4 = Poor automated baseline construction.

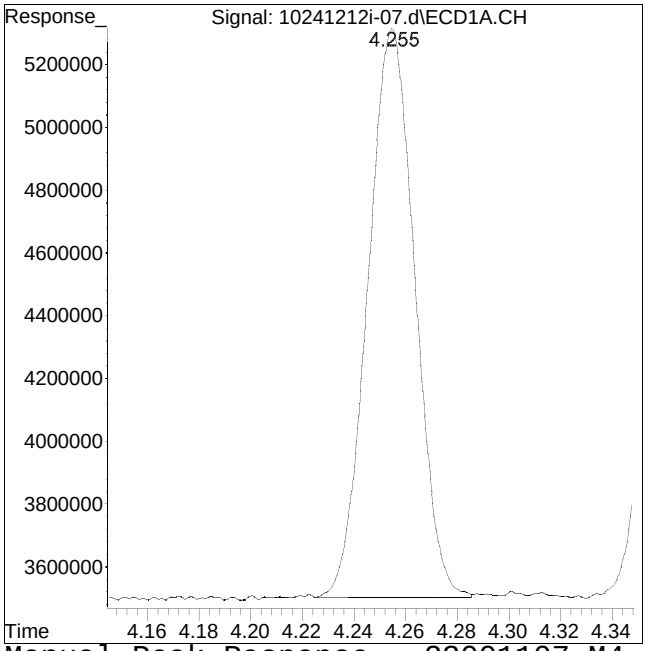
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-07.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:29 Instrument : Pest 10
Sample : il5pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:22 am

Compound #18: Endrin



Original Peak Response = 23231256



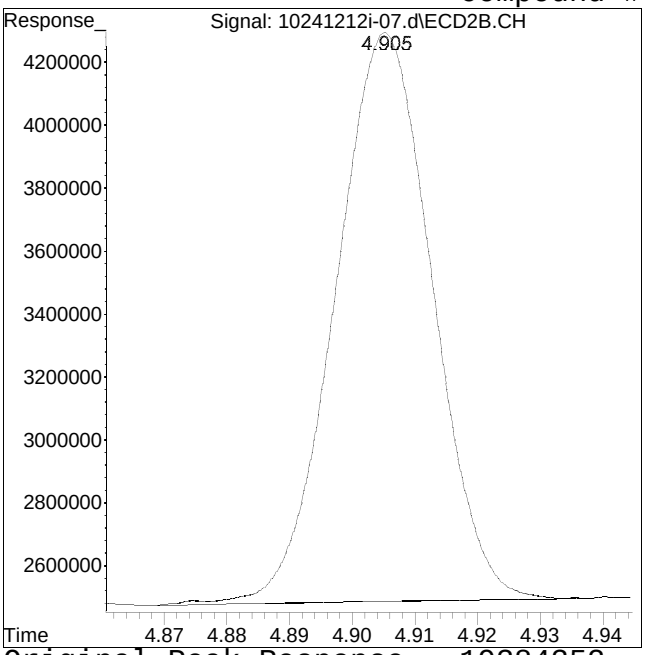
Manual Peak Response = 23001107 M4

M4 = Poor automated baseline construction.

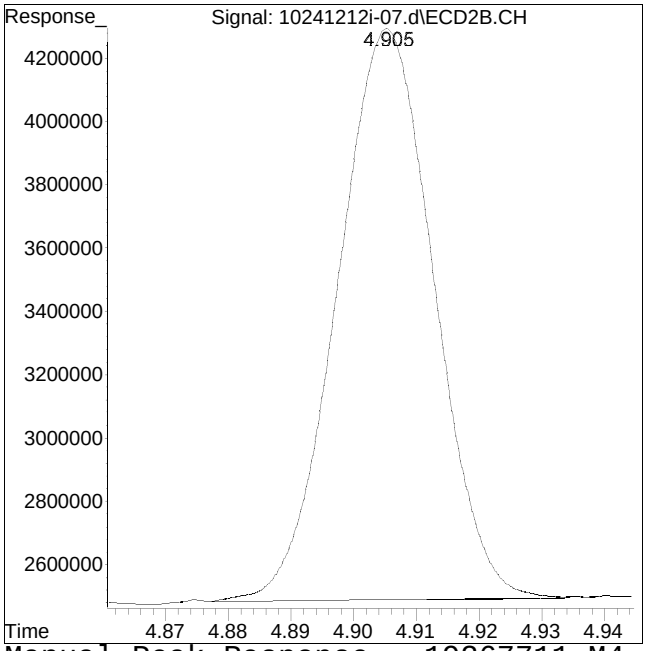
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-07.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:29 Instrument : Pest 10
Sample : il5pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:22 am

Compound #56: Endrin #2



Original Peak Response = 19384352

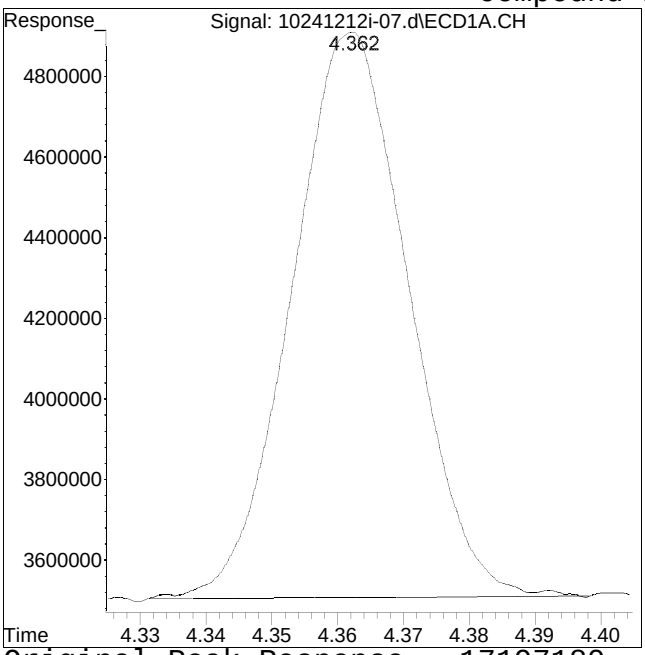


Manual Peak Response = 19267711 M4
M4 = Poor automated baseline construction.

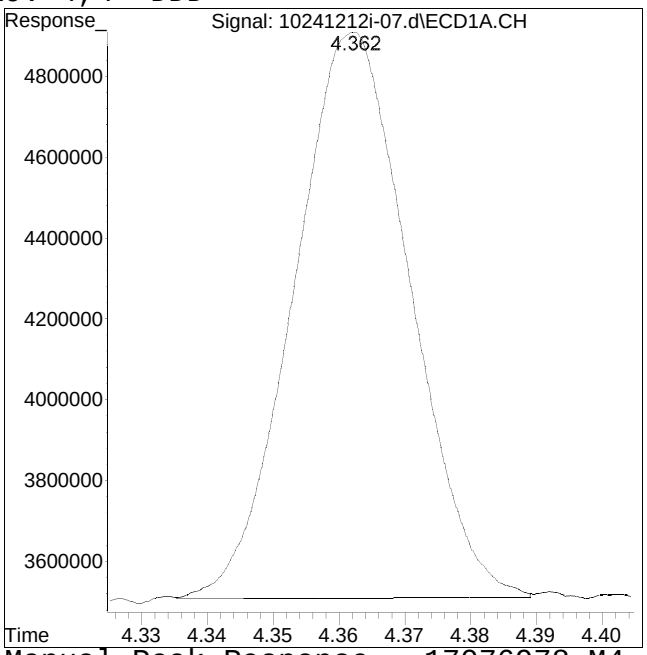
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-07.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:29 Instrument : Pest 10
Sample : il5pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:22 am

Compound #19: 4,4'-DDD



Original Peak Response = 17197180



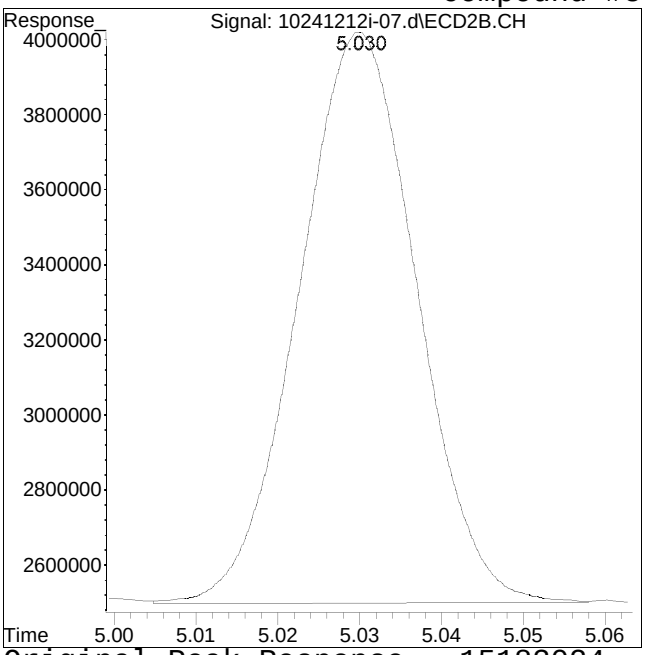
Manual Peak Response = 17076978 M4

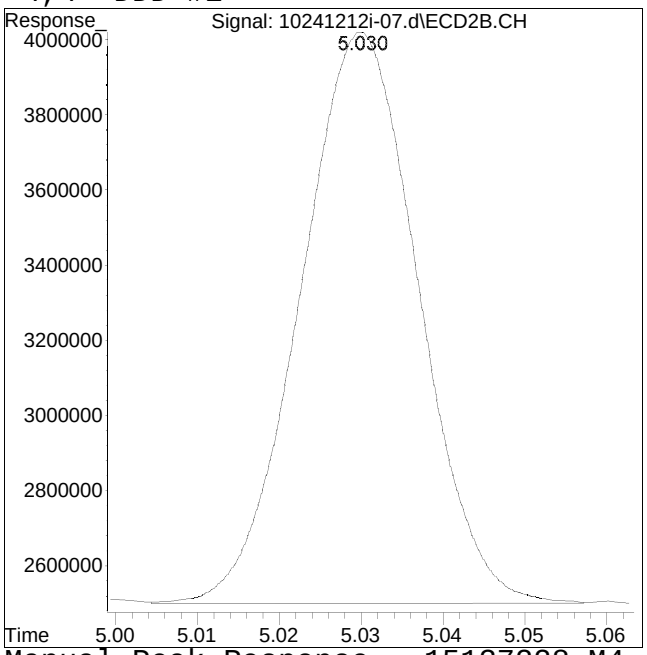
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-07.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:29 Instrument : Pest 10
Sample : il5pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:22 am

Compound #57: 4,4'-DDD #2



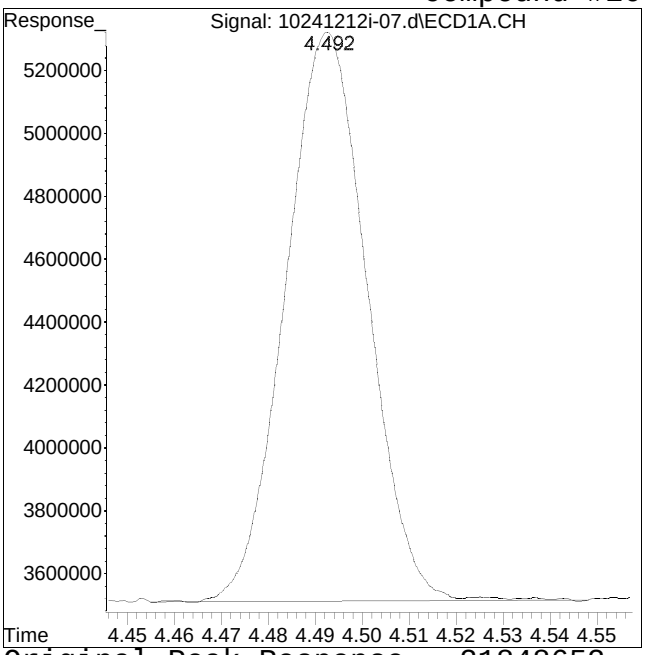


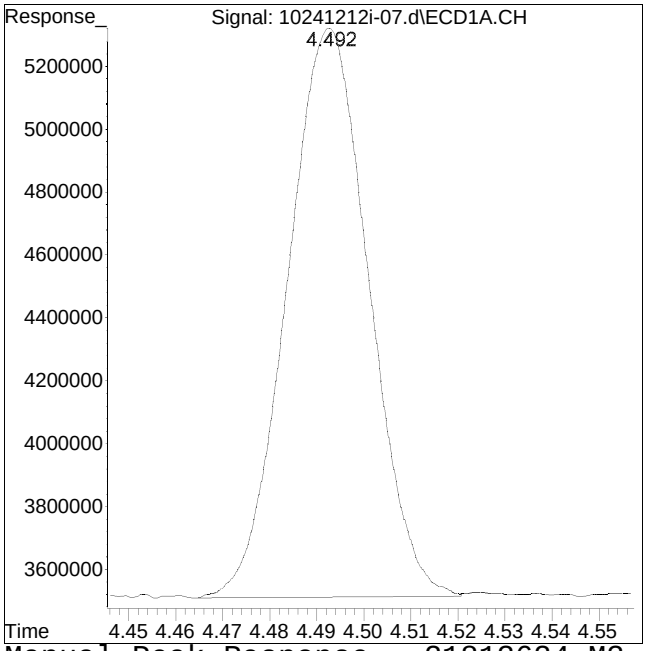
Original Peak Response = 15183024 Manual Peak Response = 15137228 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-07.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:29 Instrument : Pest 10
Sample : il5pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:22 am

Compound #20: Endosulfan II



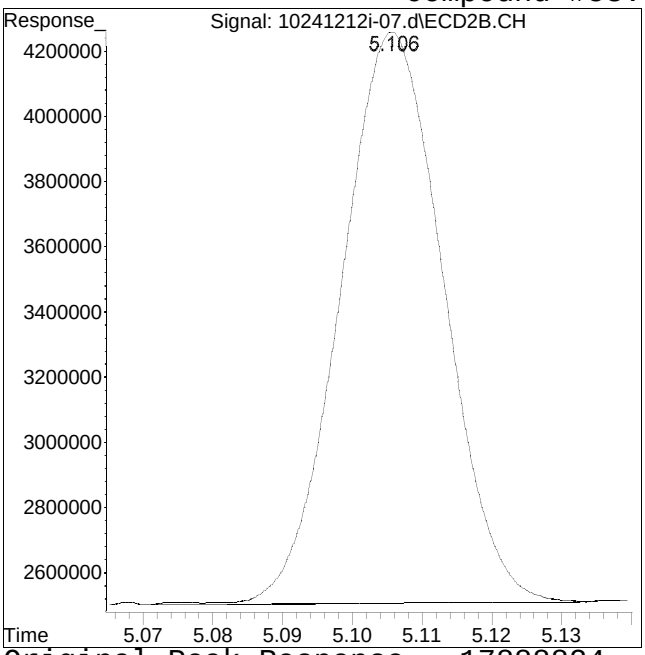


Original Peak Response = 21848652 Manual Peak Response = 21813624 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

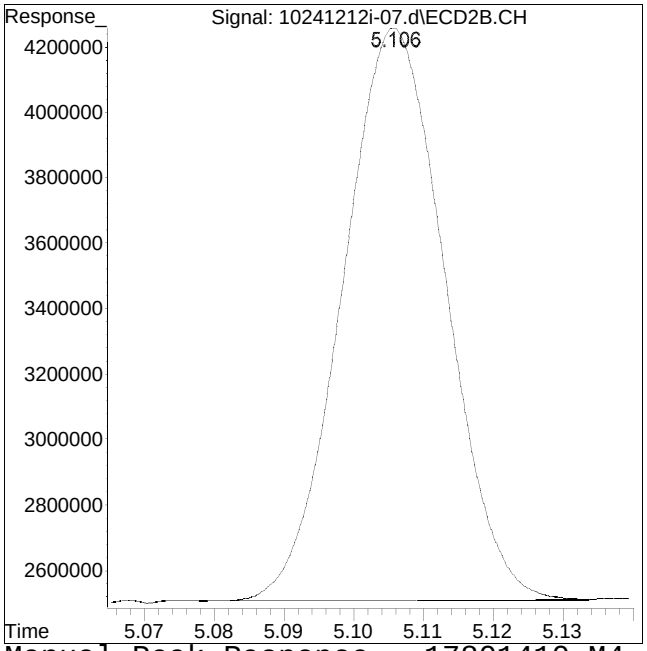
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-07.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:29 Instrument : Pest 10
Sample : il5pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:22 am

Compound #58: Endosulfan II #2



Original Peak Response = 17888824



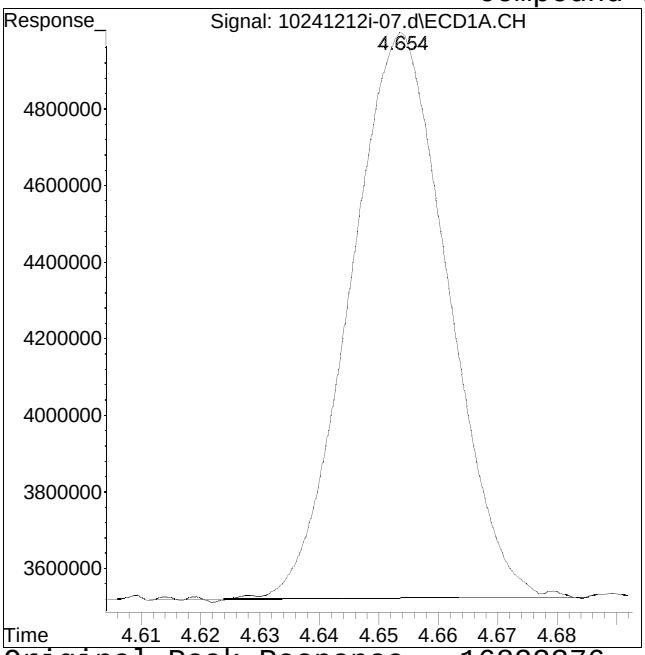
Manual Peak Response = 17801410 M4

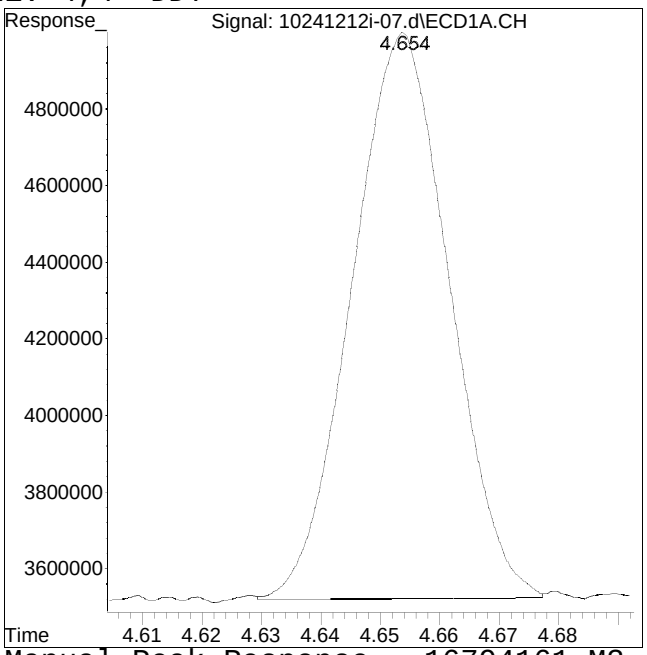
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-07.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:29 Instrument : Pest 10
Sample : il5pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:22 am

Compound #21: 4,4'-DDT



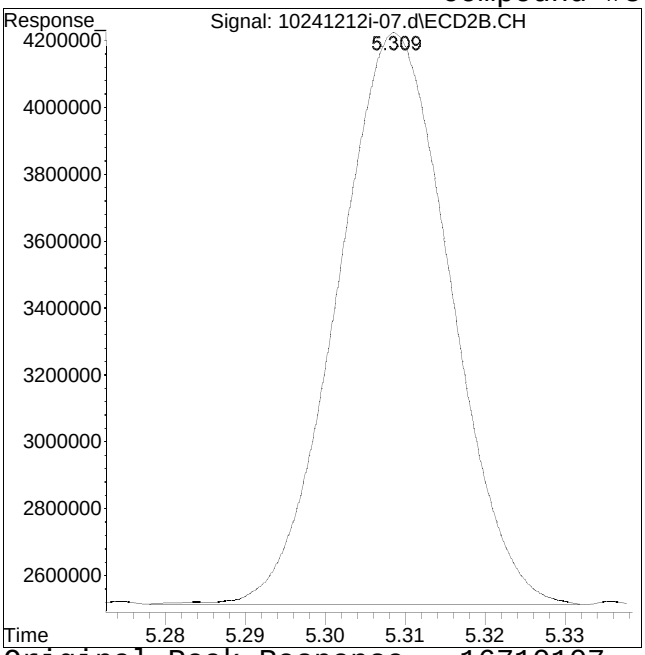


Original Peak Response = 16823376 Manual Peak Response = 16794161 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

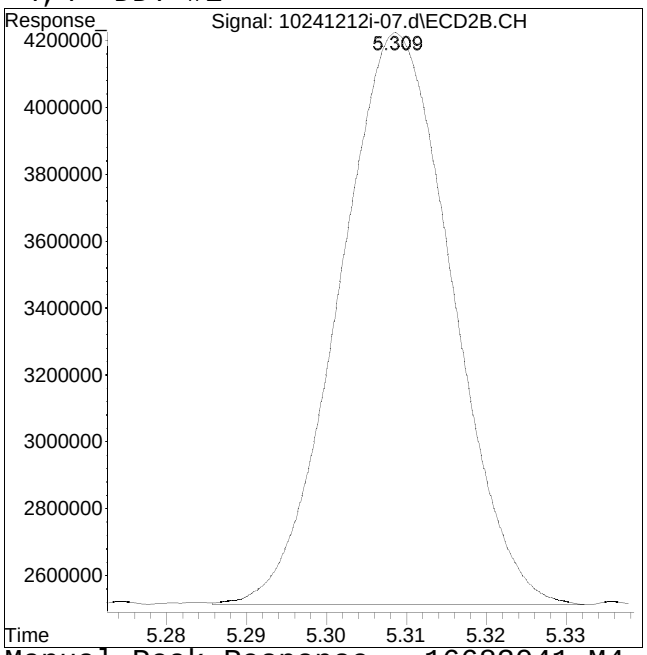
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-07.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:29 Instrument : Pest 10
Sample : il5pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:22 am

Compound #59: 4,4'-DDT #2



Original Peak Response = 16710107



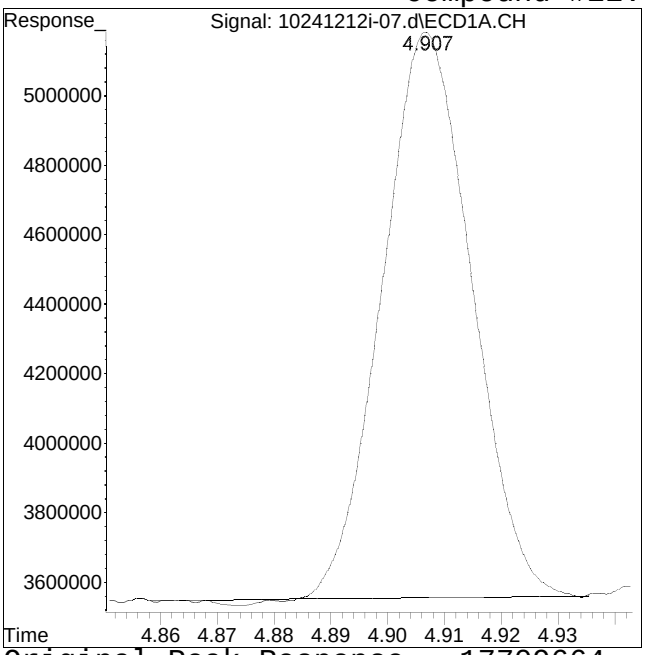
Manual Peak Response = 16683041 M4

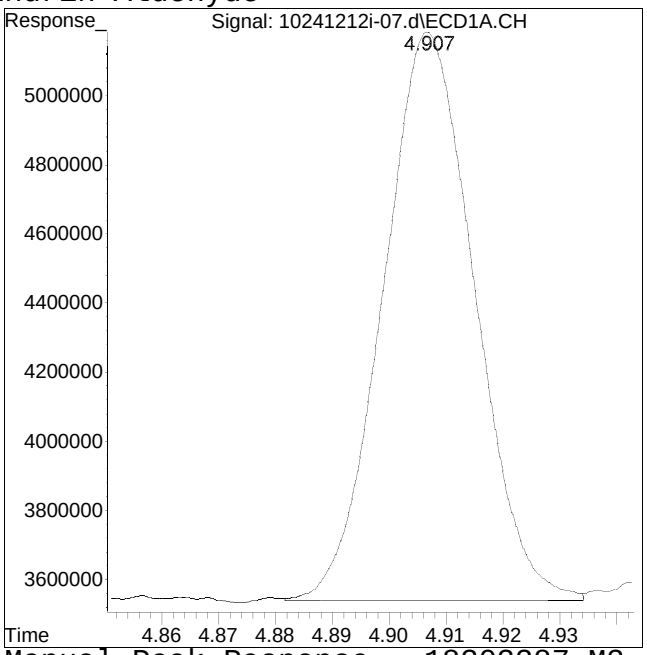
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-07.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:29 Instrument : Pest 10
Sample : il5pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:22 am

Compound #22: Endrin Aldehyde



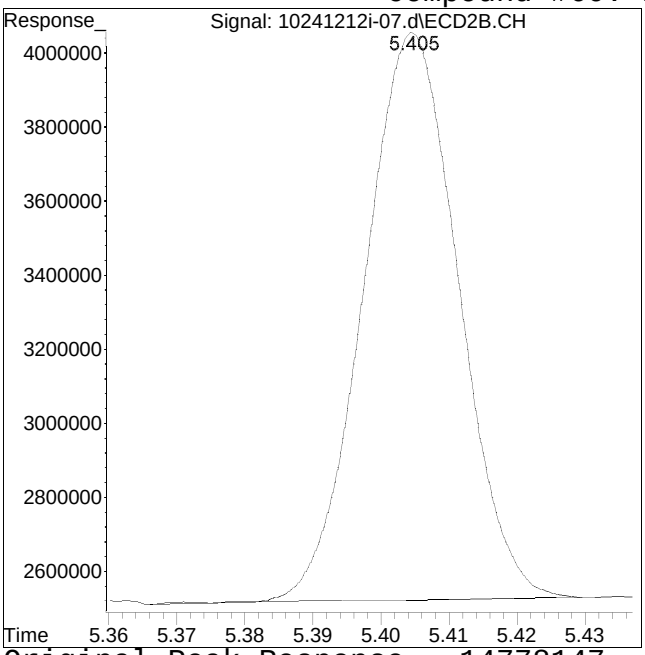


Original Peak Response = 17709664 Manual Peak Response = 18303387 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

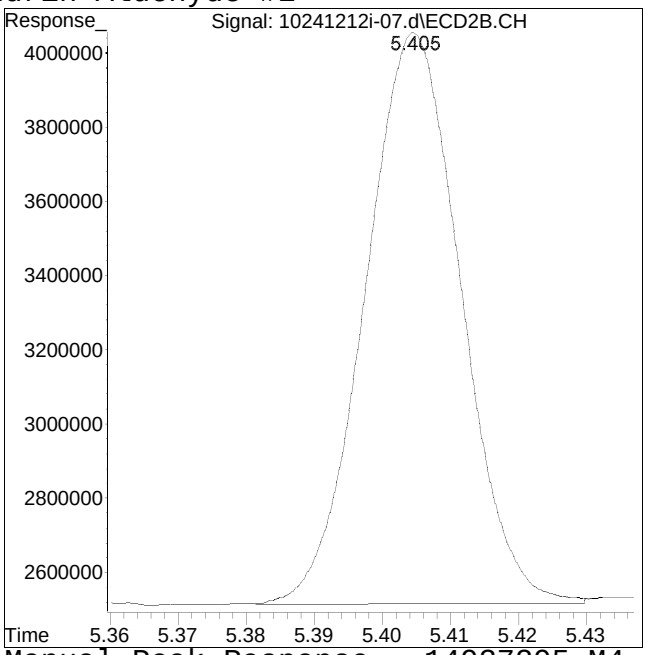
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-07.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:29 Instrument : Pest 10
Sample : il5pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:22 am

Compound #60: Endrin Aldehyde #2



Original Peak Response = 14778147



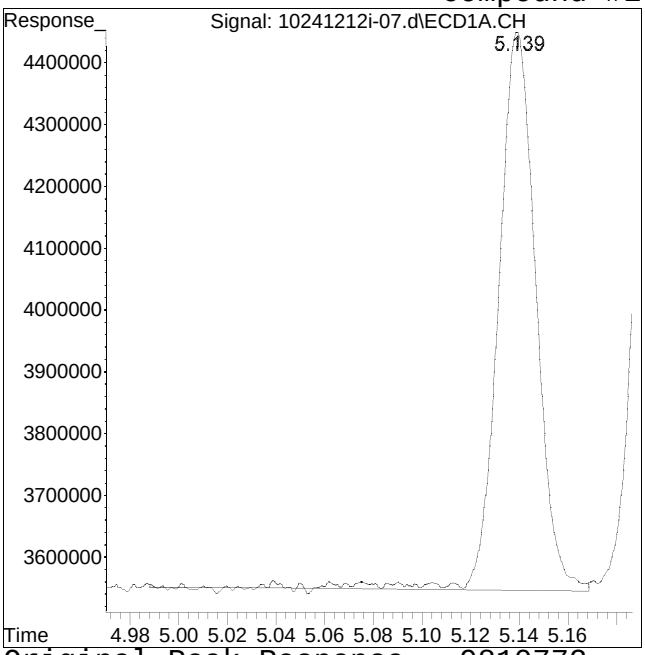
Manual Peak Response = 14937295 M4

M4 = Poor automated baseline construction.

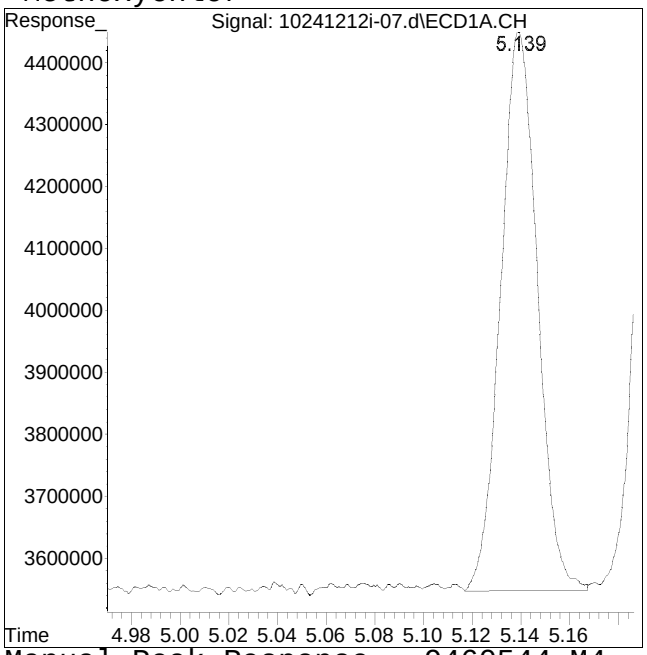
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-07.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:29 Instrument : Pest 10
Sample : il5pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:22 am

Compound #23: Methoxychlor



Original Peak Response = 9810772



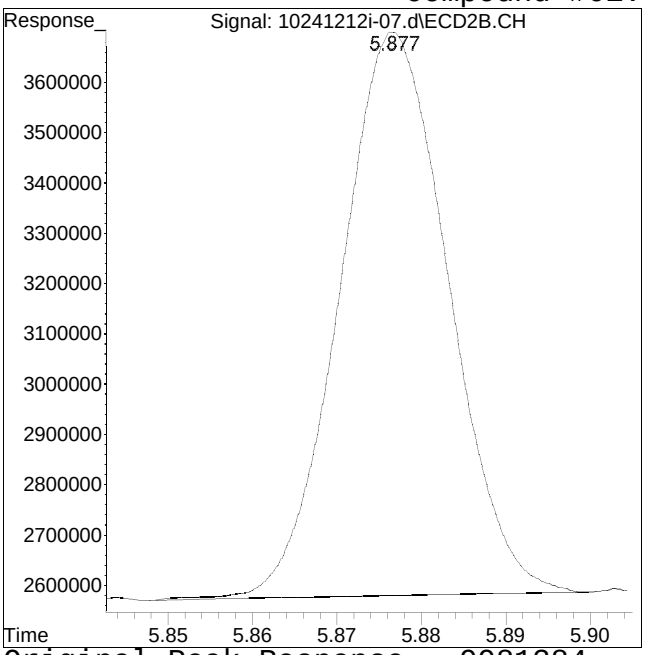
Manual Peak Response = 9460544 M4

M4 = Poor automated baseline construction.

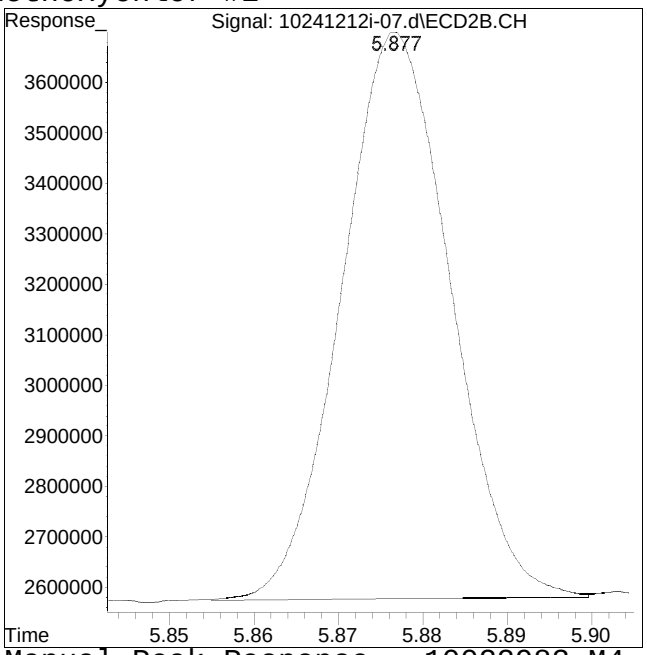
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-07.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:29 Instrument : Pest 10
Sample : il5pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:22 am

Compound #61: Methoxychlor #2



Original Peak Response = 9981384



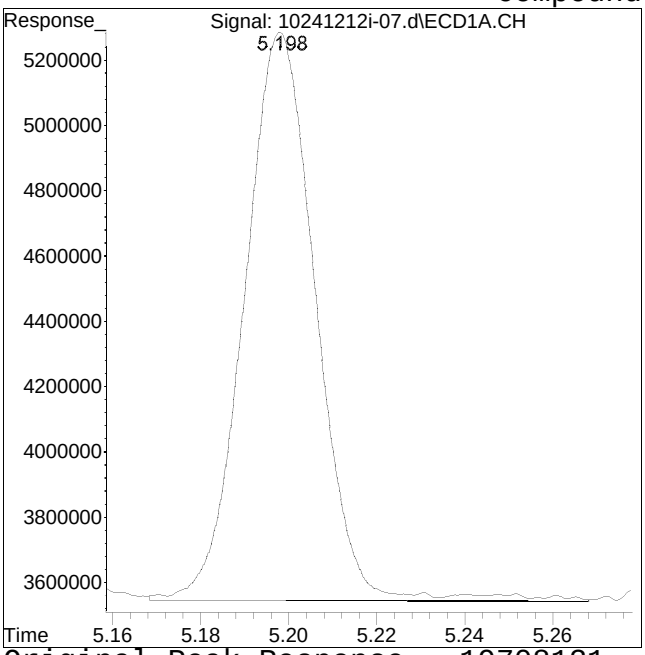
Manual Peak Response = 10022983 M4

M4 = Poor automated baseline construction.

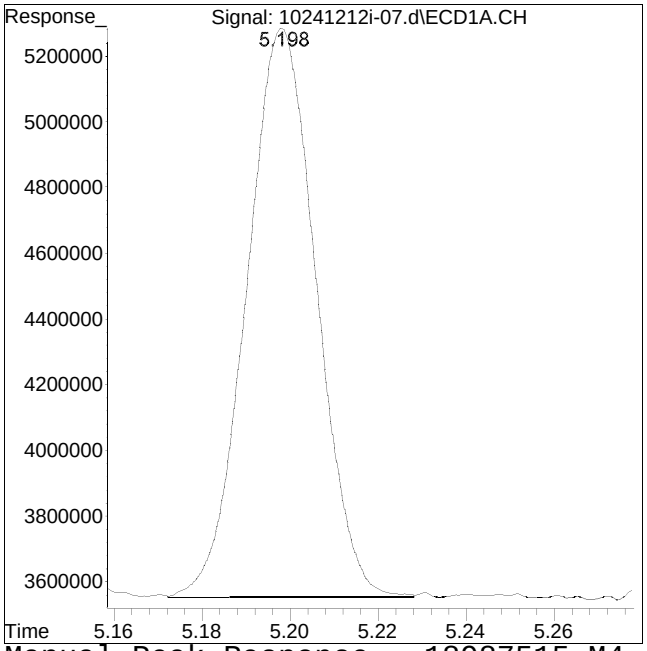
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-07.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:29 Instrument : Pest 10
Sample : il5pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:22 am

Compound #24: Mirex



Original Peak Response = 19708131



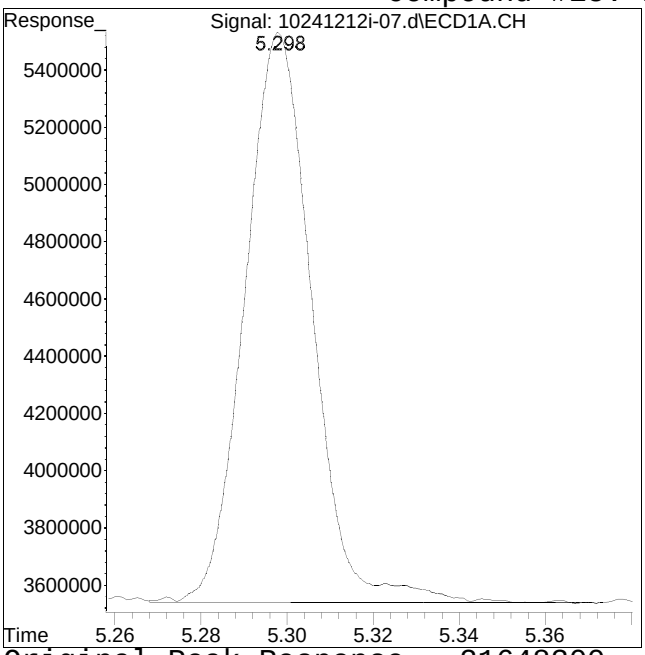
Manual Peak Response = 18987515 M4

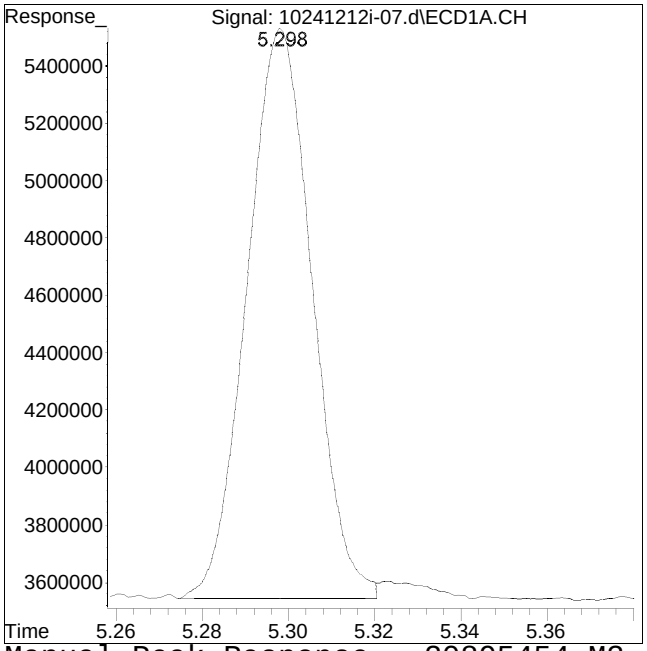
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-07.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:29 Instrument : Pest 10
Sample : il5pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:22 am

Compound #25: Endosulfan Sulfate



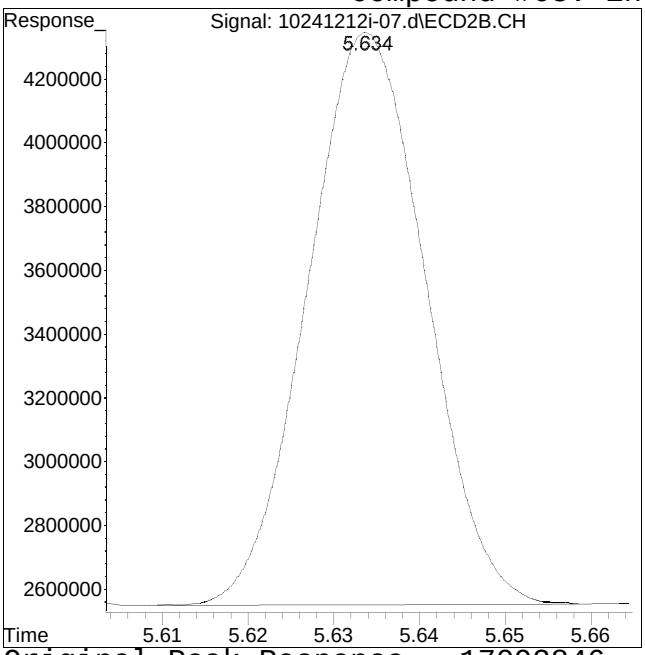


Original Peak Response = 21648300 Manual Peak Response = 20895454 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

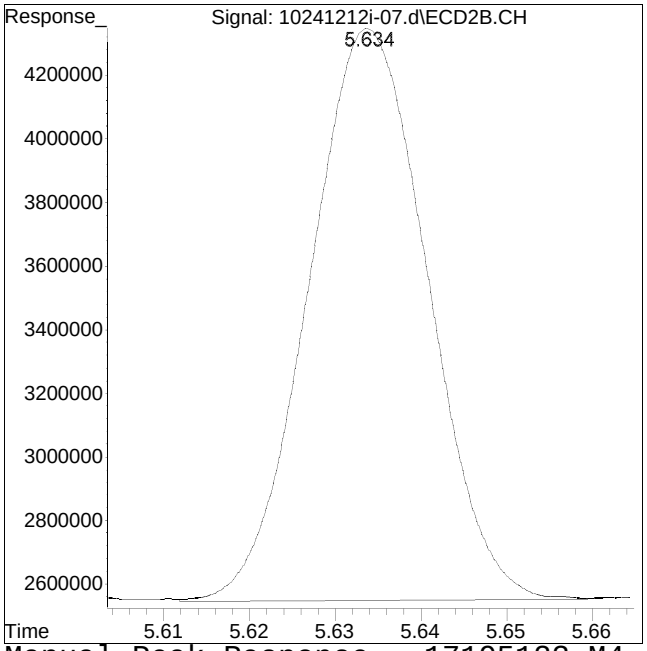
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-07.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:29 Instrument : Pest 10
Sample : il5pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:22 am

Compound #63: Endosulfan Sulfate #2



Original Peak Response = 17092846



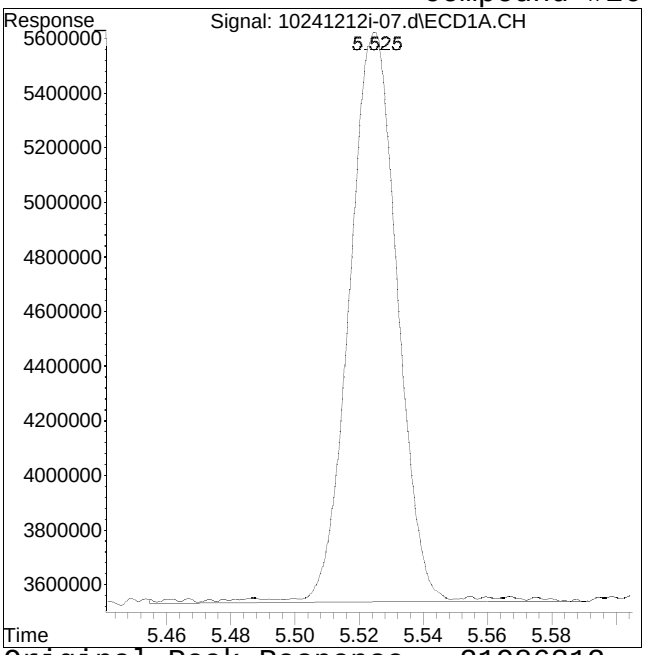
Manual Peak Response = 17195123 M4

M4 = Poor automated baseline construction.

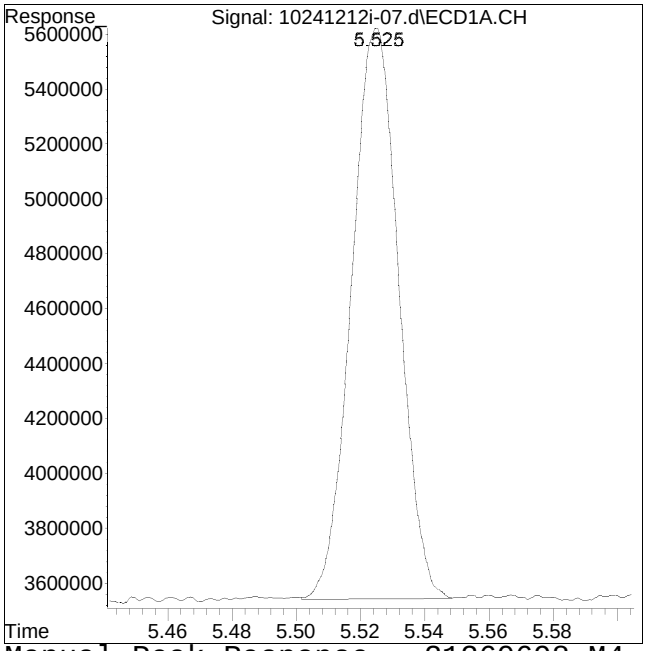
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-07.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:29 Instrument : Pest 10
Sample : il5pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:22 am

Compound #26: Endrin Ketone



Original Peak Response = 21986312



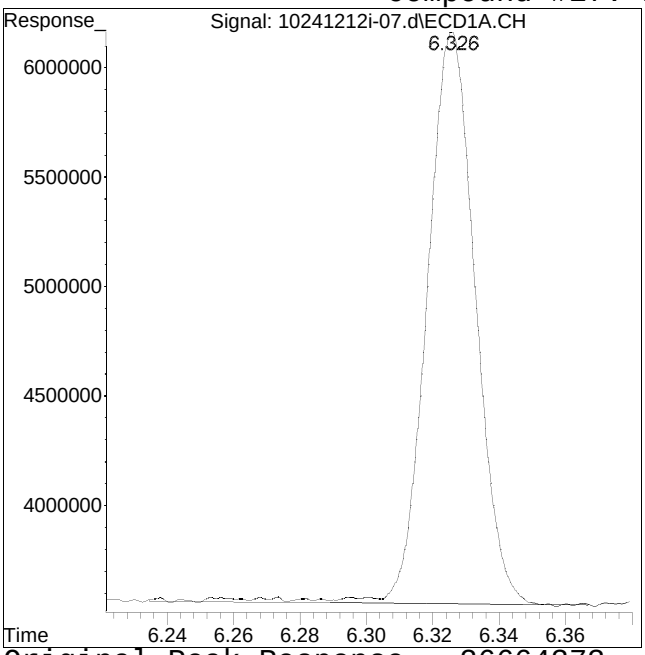
Manual Peak Response = 21260698 M4

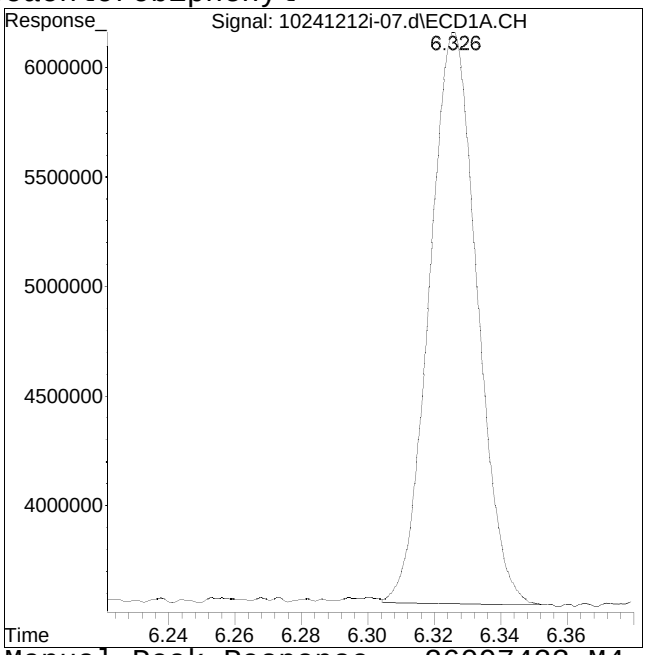
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-07.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:29 Instrument : Pest 10
Sample : il5pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:22 am

Compound #27: Decachlorobiphenyl





Original Peak Response = 26664373 Manual Peak Response = 26097423 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 20:41
Operator : PEST10:ejl
Sample : il7pest,42e,,pp 11929 L0.01
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 10:10:14 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 09:56:47 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.327	1.366	84187130	77641939	25.000M4	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.674	1.838	63016360	40805487	12.181M4	10.301
	Spiked Amount 50.000	Range 30 - 150		Recovery =		24.36%#	20.60%#
27) s	Decachlorobi	6.325	6.907	55635922	45930844	11.816M4	10.937M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		23.63%#	21.87%#
	Target Compounds						
3) t	Hexachlorobe	1.890	2.155	66657715	45423768	12.452M3	10.698M4
4) t	alpha-BHC	1.989	2.250	62090121	51929531	11.327M4	9.068
5) t	gamma-BHC (l	2.193	2.534	54389108	47714603	11.290M3	9.284
6) t	beta-BHC	2.250	2.599	26721900	23173060	11.984M3	10.525M4
7) t	delta-BHC	2.380	2.864	56975305	47985399	11.029M4	8.916M4
8) t	Heptachlor	2.545	2.928	49865997	46824056	11.544M4	9.591M4
9) t	Aldrin	2.790	3.246	59838657	49317300	11.159M4	9.100
10) t	Alachlor	2.910	3.130	8118124	7175482	12.109M3	11.374
11) t	Chlorpyrifos	3.003	3.482	25654723	25680133	12.574M4	11.534M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 20:41
Operator : PEST10:ejl
Sample : il7pest,42e,,pp 11929 L0.01
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 10:10:14 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 09:56:47 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.339	3.859	53177493	46647154	11.359M3	9.514M4
13)	t	gamma-Chlord	3.465	4.080	50534294	42549242	11.057M4	9.209
14)	t	alpha-Chlord	3.600	4.251	59330520	49053204	11.260M4	9.386
15)	t	4,4'-DDE	3.698	4.451	61692120	48081882	10.917M4	8.800M4
16)	t	Endosulfan I	3.738	4.312	52863075	44857657	11.228M4	9.383M4
17)	t	Dieldrin	3.999	4.607	54908311	45460229	10.968M4	8.996
18)	t	Endrin	4.254	4.906	51594265	45348354	11.109M4	9.168
19)	t	4,4'-DDD	4.362	5.031	38464833	35421446	10.958M4	8.981
20)	t	Endosulfan I	4.492	5.106	48675846	41526374	11.209M3	9.455M4
21)	t	4,4'-DDT	4.653	5.308	37369227	38724761	10.860M4	9.283M4
22)	t	Endrin Aldeh	4.907	5.404	40479949	34411764	10.746M3	9.228M4
23)	t	Methoxychlor	5.139	5.877	20754643	22361456	11.909M4	10.491
24)	t	Mirex	5.198	6.010	41234341	38441725	11.819M4	10.644M4
25)	t	Endosulfan S	5.297	5.634	46087968	39267813	11.464M3	9.826M4
26)	t	Endrin Keton	5.524	6.047	46523488	44644309	11.498M4	9.904M4
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 20:41
Operator : PEST10:ejl
Sample : il7pest,42e,,pp 11929 L0.01
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 10:10:14 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 09:56:47 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

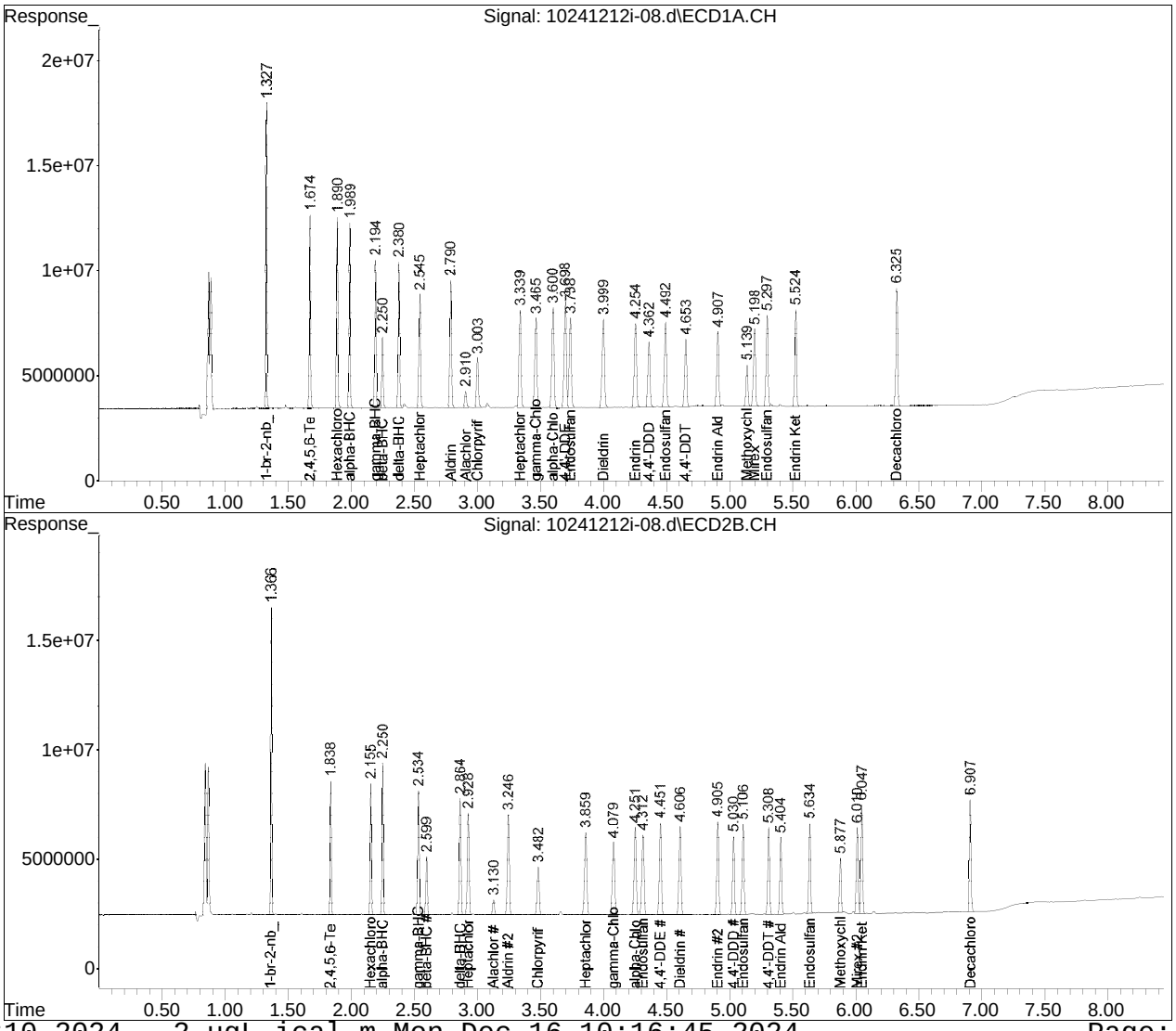
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 20:41
Operator : PEST10:ejl
Sample : il7pest,42e,,pp 11929 L0.01
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 10:10:14 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 09:56:47 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

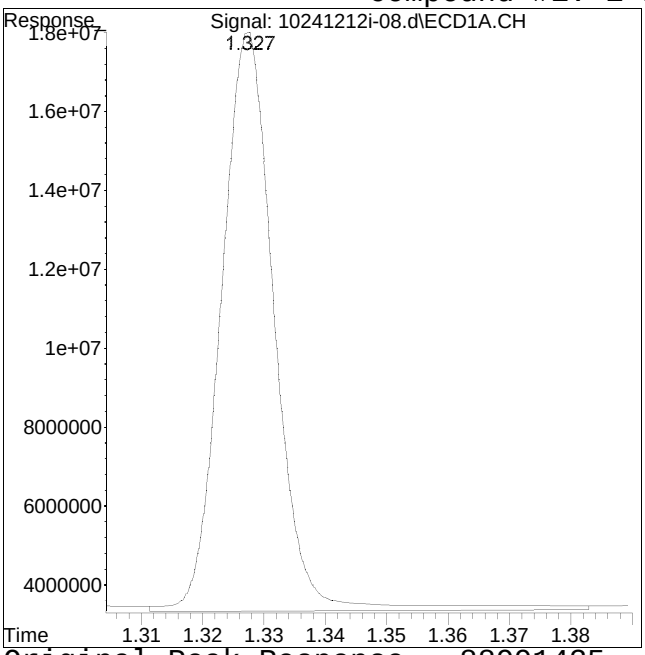
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



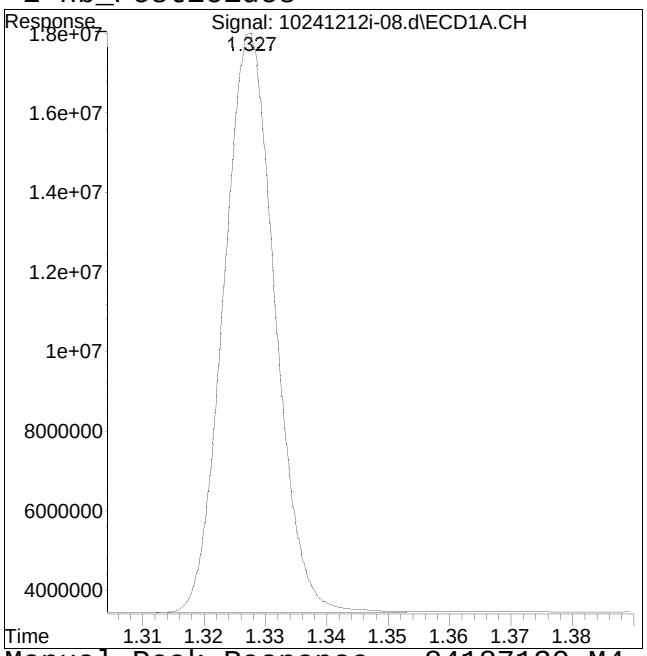
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-08.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:41 Instrument : Pest 10
Sample : il7pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:10 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 88991435



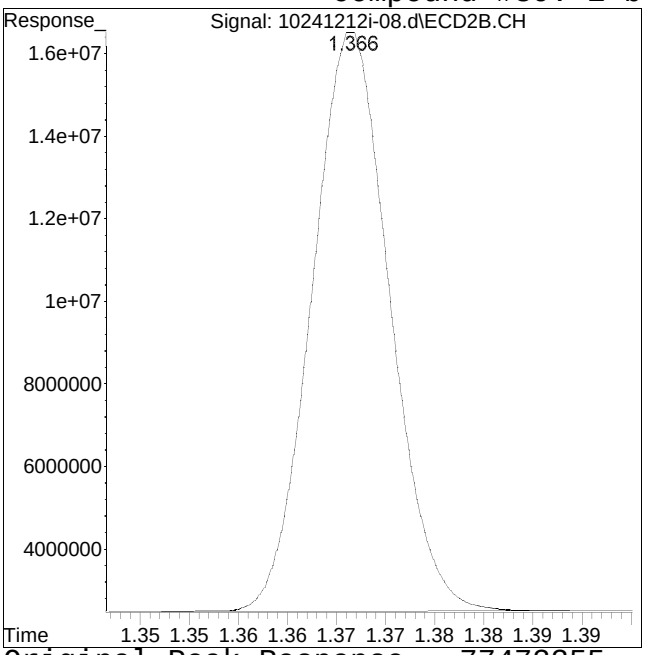
Manual Peak Response = 84187130 M4

M4 = Poor automated baseline construction.

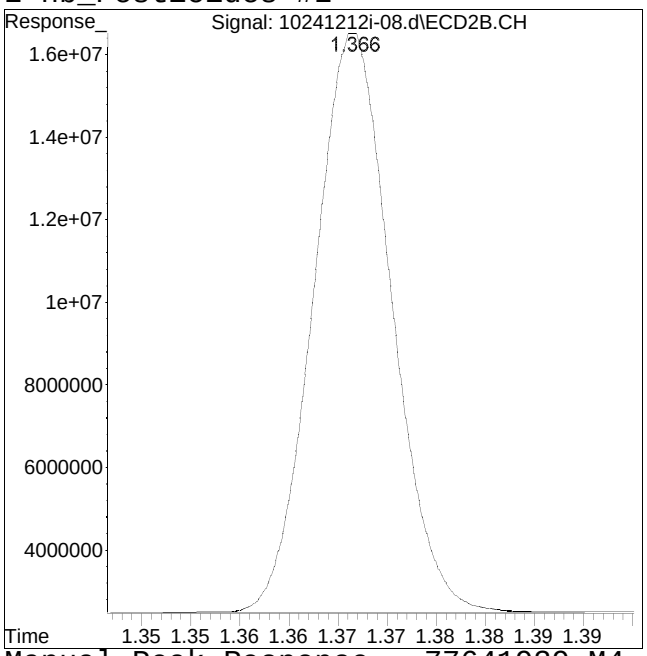
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-08.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:41 Instrument : Pest 10
Sample : il7pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:10 am

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 77473355



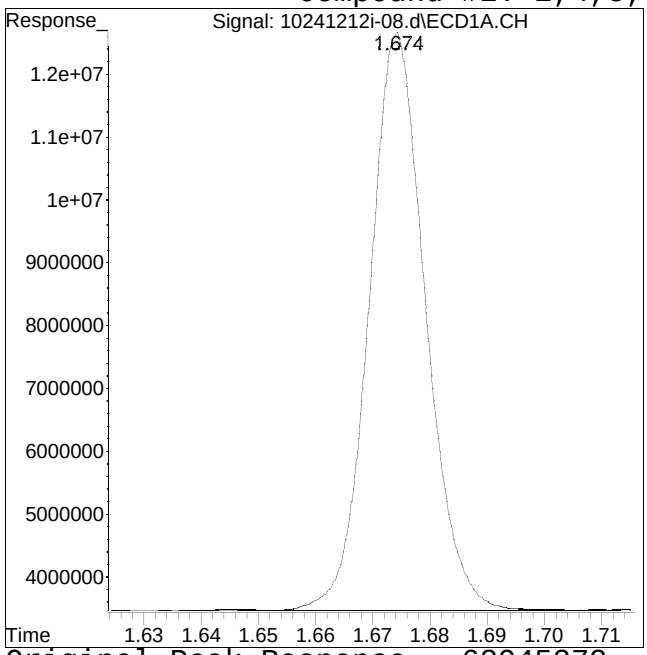
Manual Peak Response = 77641939 M4

M4 = Poor automated baseline construction.

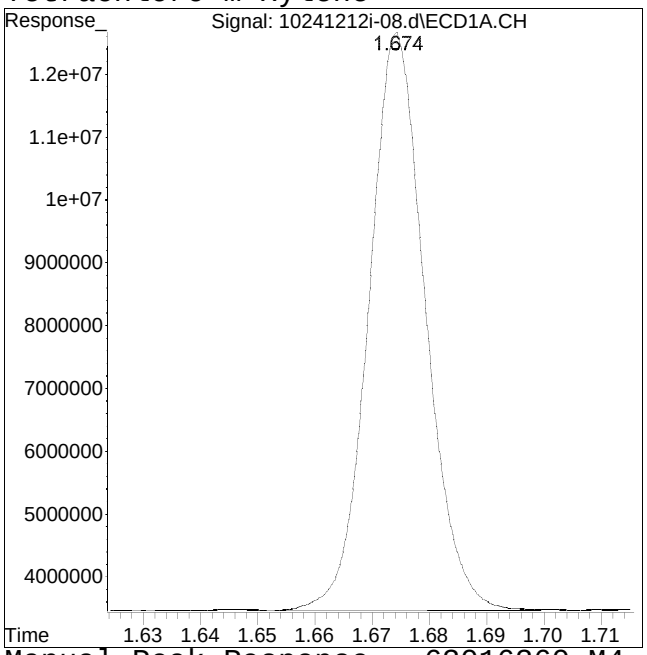
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-08.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:41 Instrument : Pest 10
Sample : il7pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:10 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 62945272



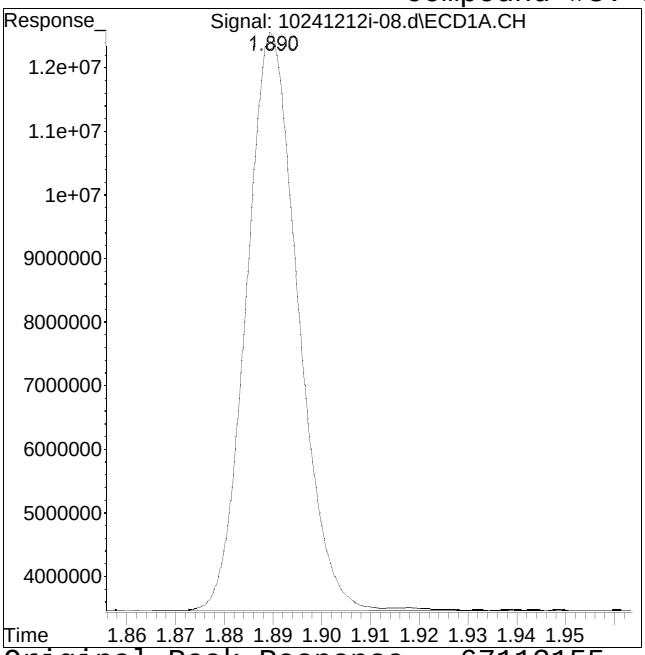
Manual Peak Response = 63016360 M4

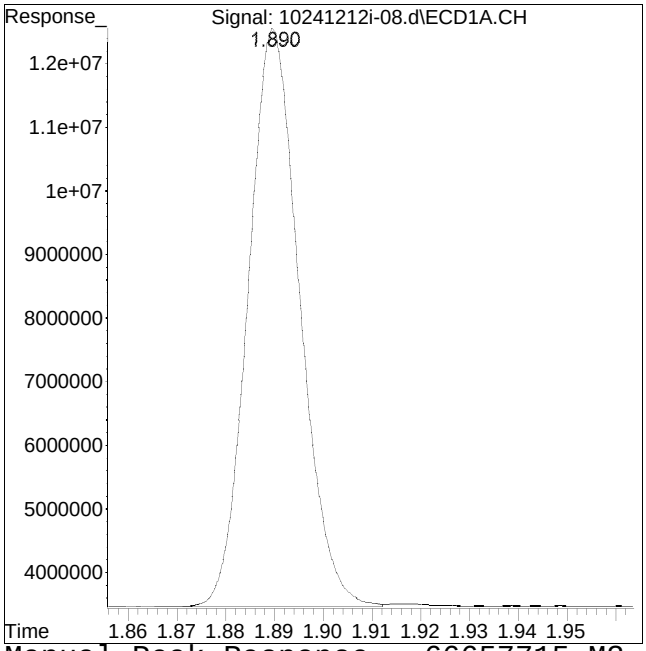
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-08.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:41 Instrument : Pest 10
Sample : il7pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:10 am

Compound #3: Hexachlorobenzene



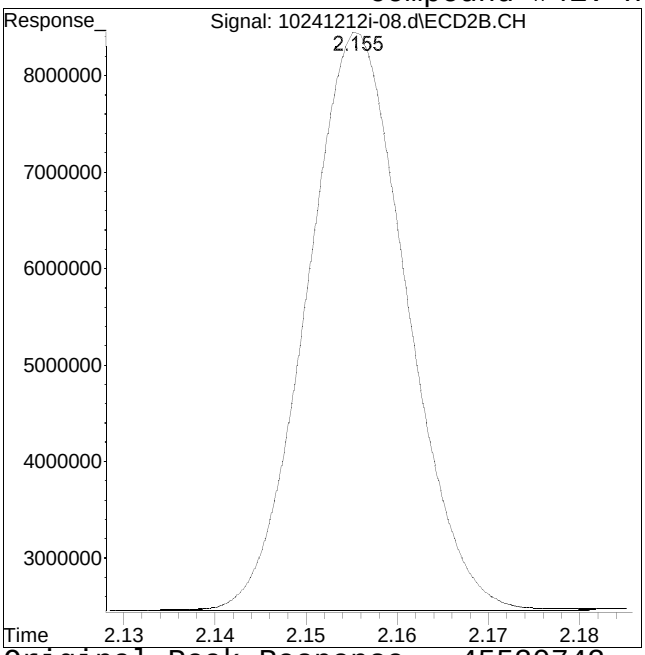


Original Peak Response = 67113155 Manual Peak Response = 66657715 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

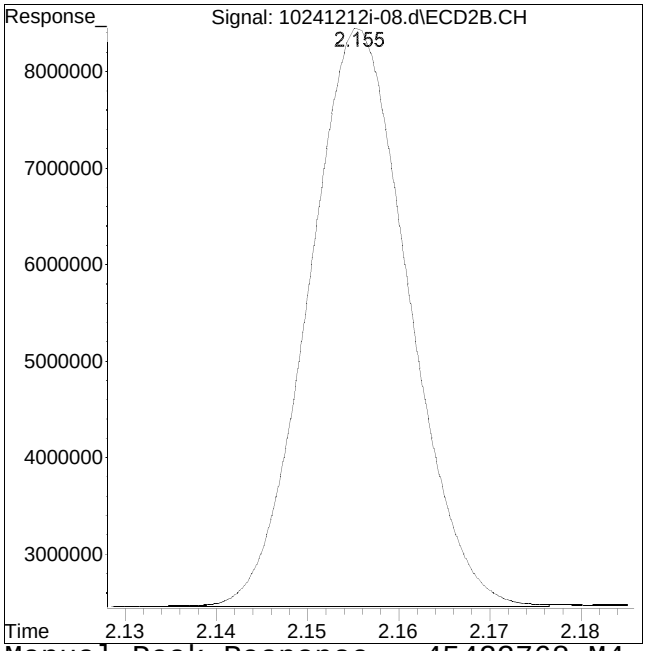
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-08.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:41 Instrument : Pest 10
Sample : il7pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:10 am

Compound #41: Hexachlorobenzene #2



Original Peak Response = 45530742



Manual Peak Response = 45423768 M4

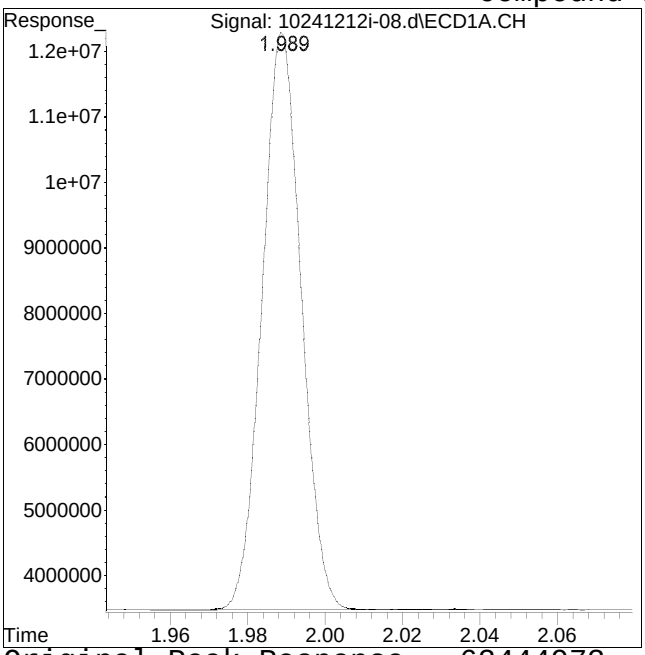
M4 = Poor automated baseline construction.

Manual Integration Report

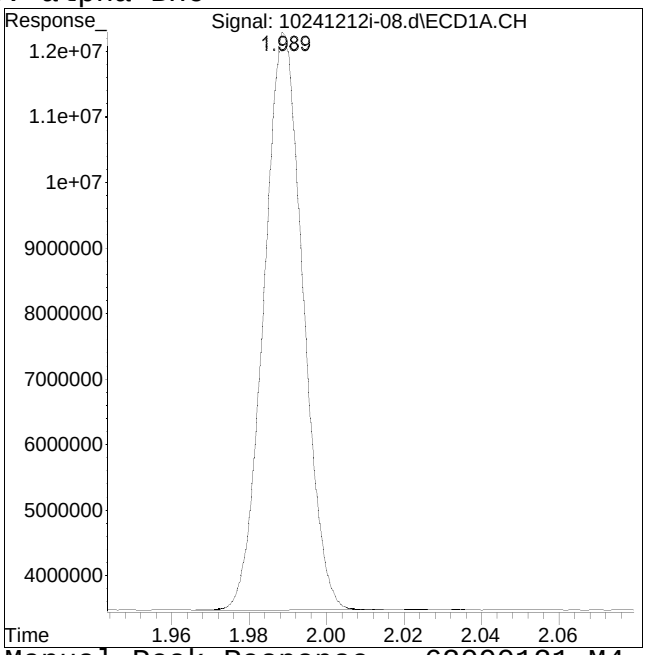
Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-08.d
Date Inj'd : 12/12/2024 20:41
Sample : il7pest,42e,,pp 11929 L0.0

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 10:10 am

Compound #4: alpha-BHC



Original Peak Response = 62444973



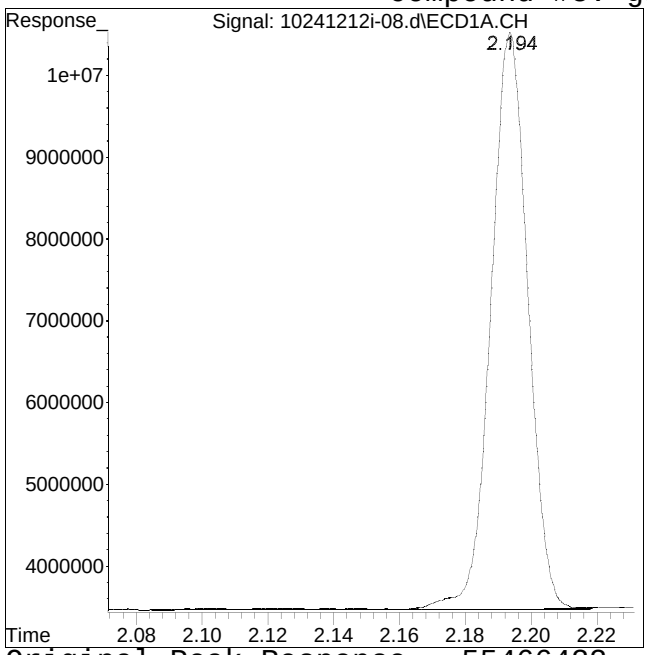
Manual Peak Response = 62090121 M4

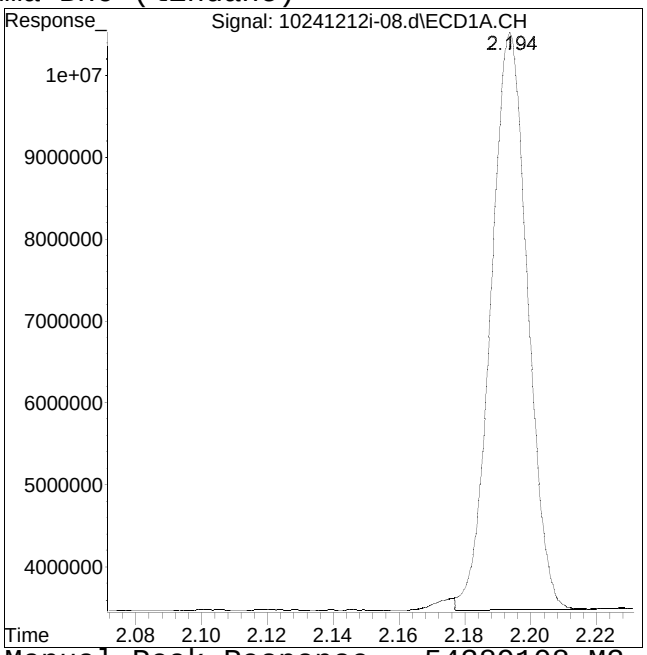
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-08.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:41 Instrument : Pest 10
Sample : il7pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:10 am

Compound #5: gamma-BHC (lindane)



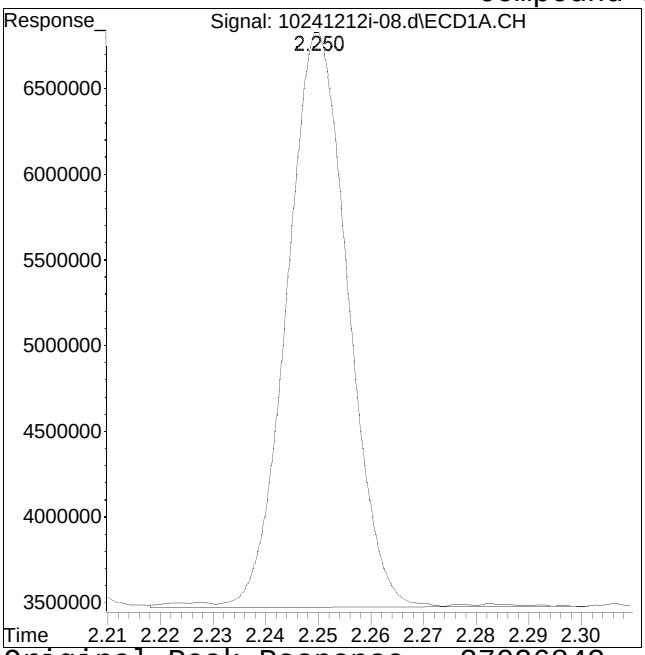


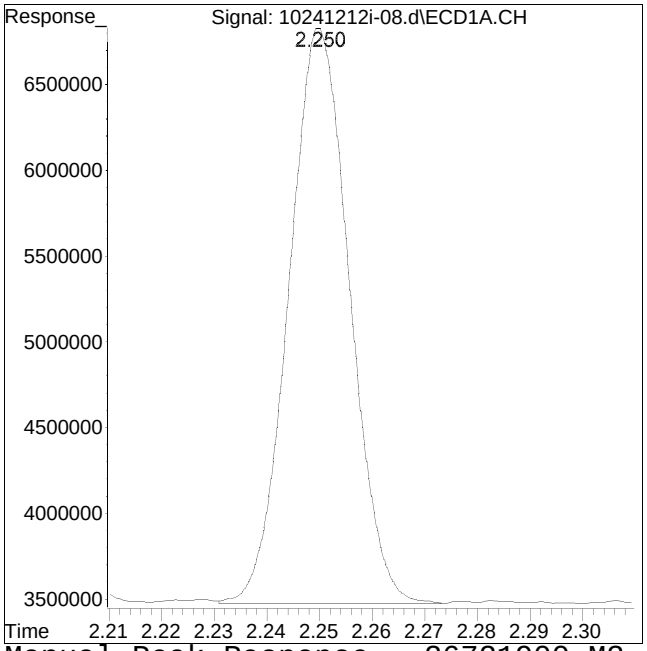
Original Peak Response = 55466422 Manual Peak Response = 54389108 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-08.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:41 Instrument : Pest 10
Sample : il7pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:10 am

Compound #6: beta-BHC



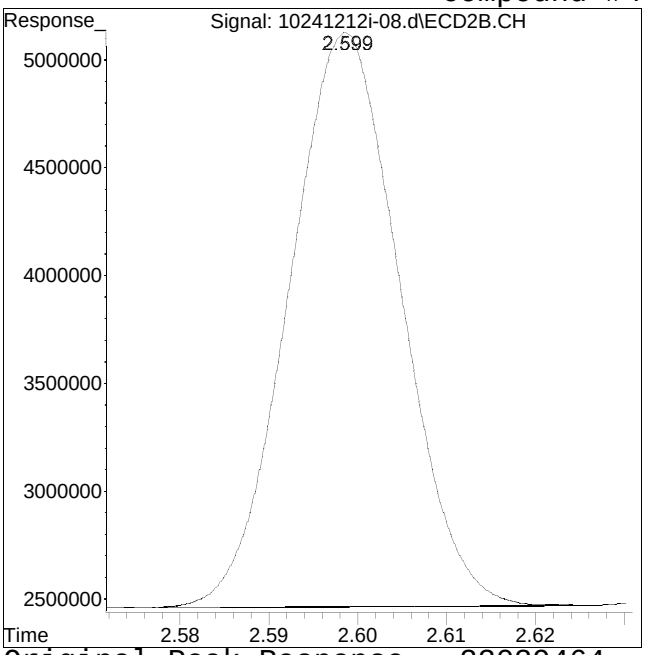


Original Peak Response = 27026842 Manual Peak Response = 26721900 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

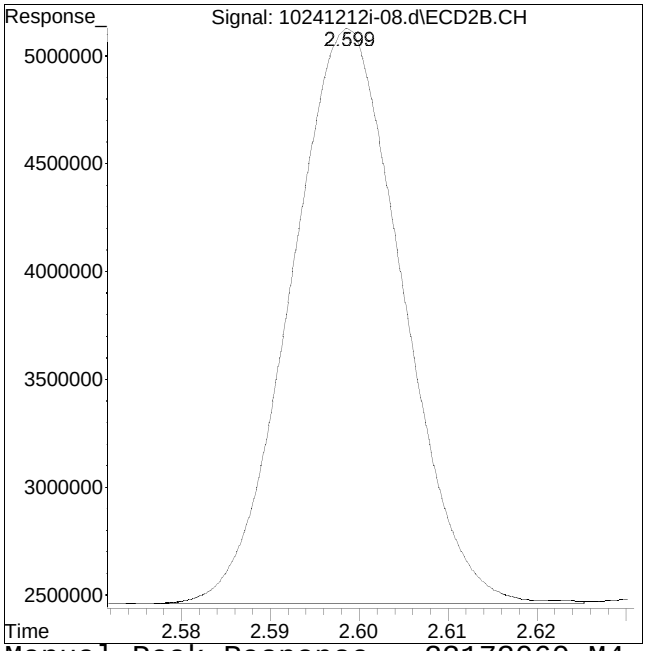
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-08.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:41 Instrument : Pest 10
Sample : il7pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:10 am

Compound #44: beta-BHC #2



Original Peak Response = 23039464



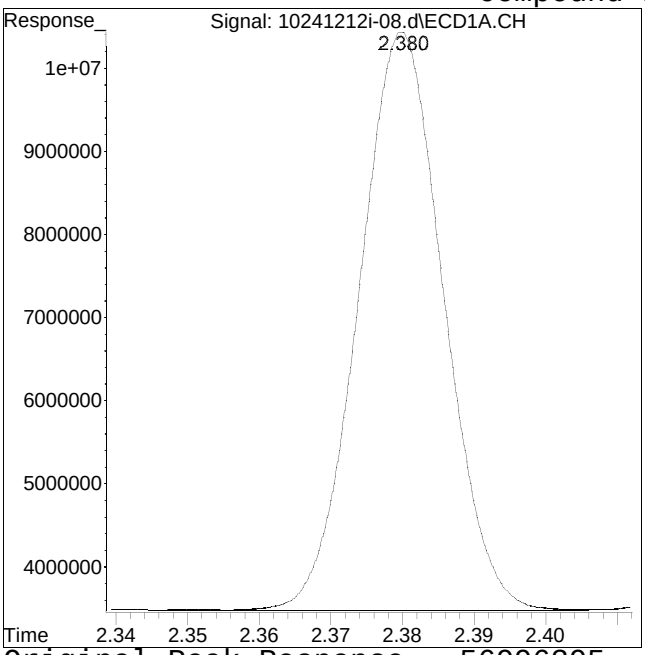
Manual Peak Response = 23173060 M4

M4 = Poor automated baseline construction.

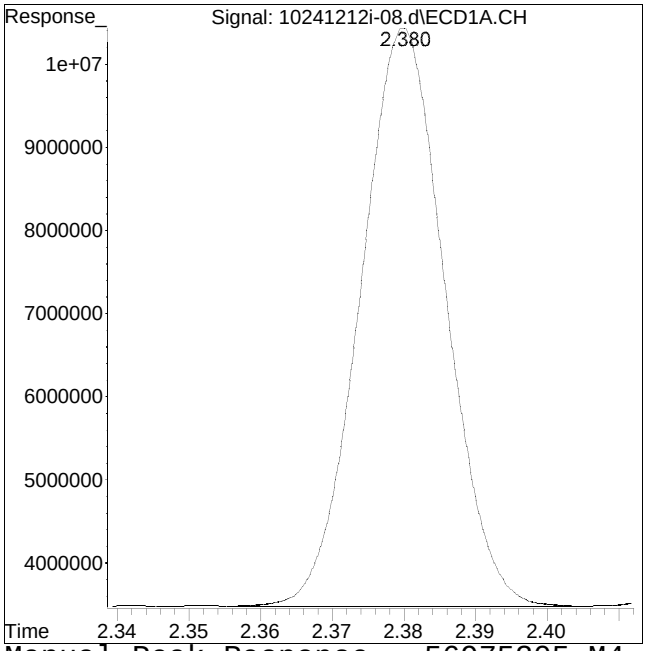
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-08.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:41 Instrument : Pest 10
Sample : il7pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:10 am

Compound #7: delta-BHC



Original Peak Response = 56996395



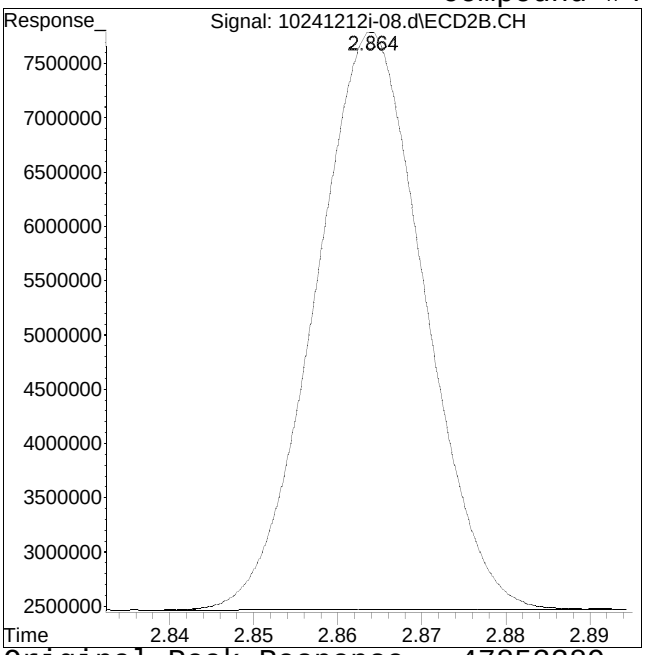
Manual Peak Response = 56975305 M4

M4 = Poor automated baseline construction.

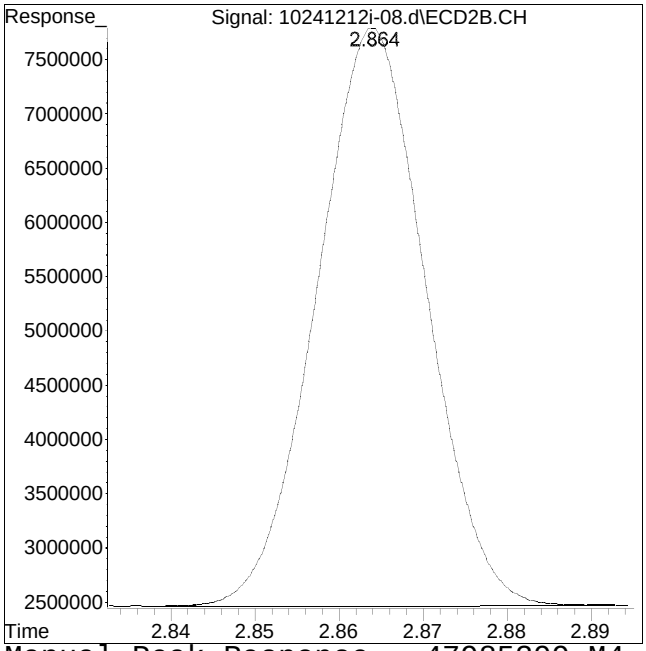
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-08.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:41 Instrument : Pest 10
Sample : il7pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:10 am

Compound #45: delta-BHC #2



Original Peak Response = 47853389



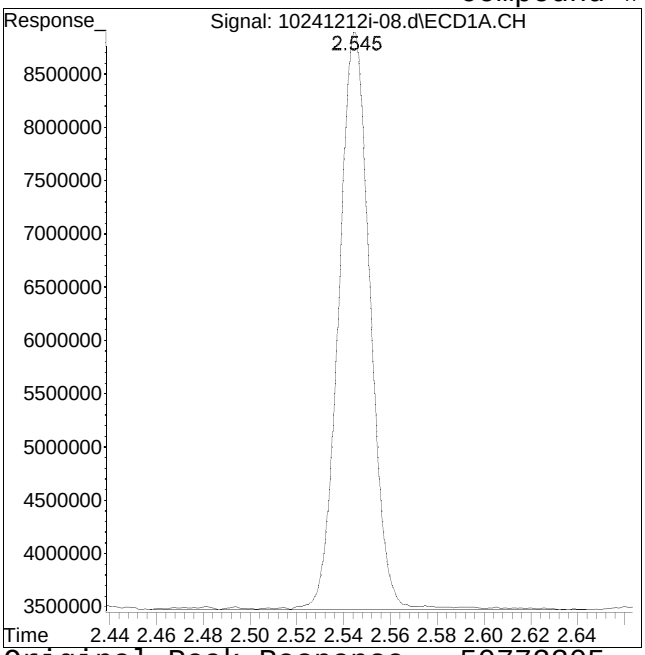
Manual Peak Response = 47985399 M4

M4 = Poor automated baseline construction.

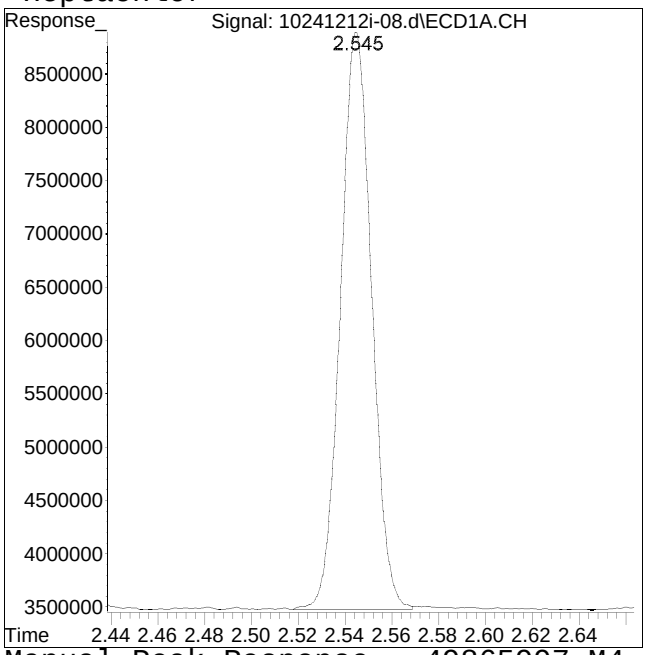
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-08.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:41 Instrument : Pest 10
Sample : il7pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:10 am

Compound #8: Heptachlor



Original Peak Response = 50773305



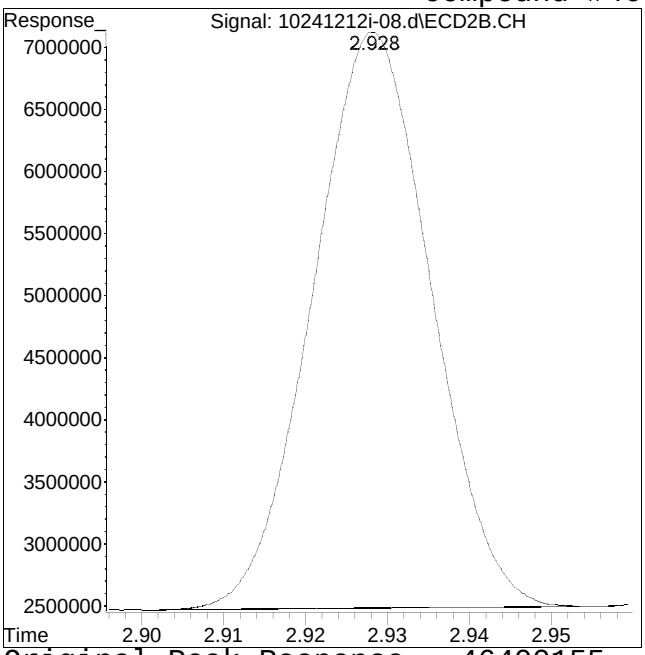
Manual Peak Response = 49865997 M4

M4 = Poor automated baseline construction.

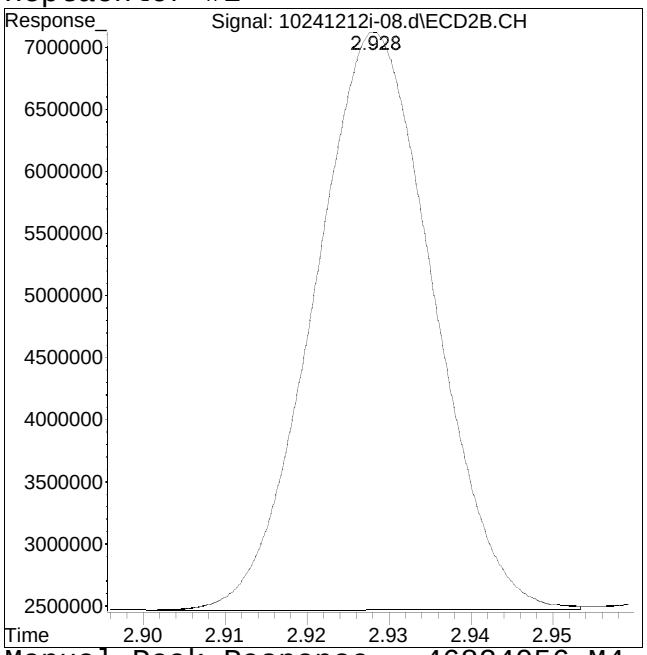
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-08.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:41 Instrument : Pest 10
Sample : il7pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:10 am

Compound #46: Heptachlor #2



Original Peak Response = 46400155



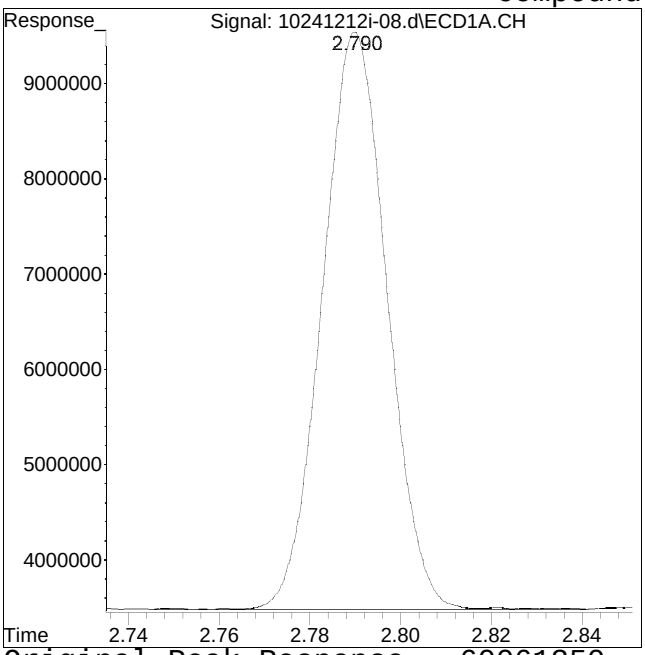
Manual Peak Response = 46824056 M4

M4 = Poor automated baseline construction.

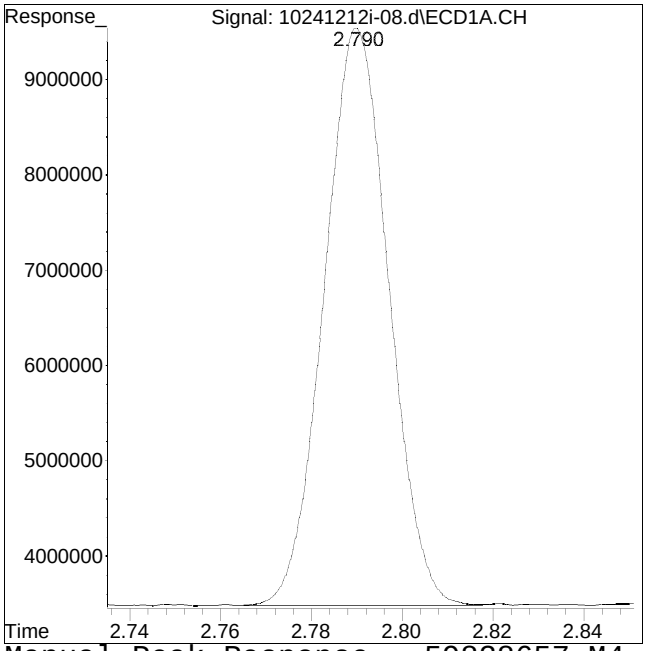
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-08.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:41 Instrument : Pest 10
Sample : il7pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:10 am

Compound #9: Aldrin



Original Peak Response = 60061350



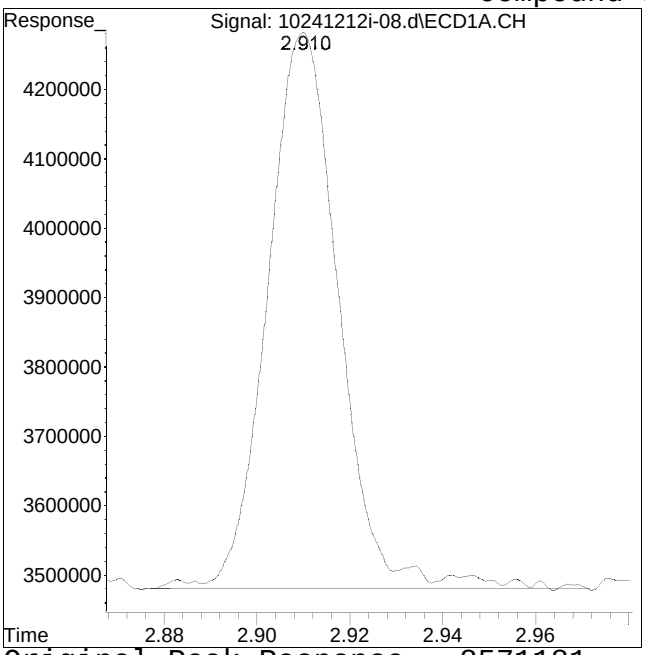
Manual Peak Response = 59838657 M4

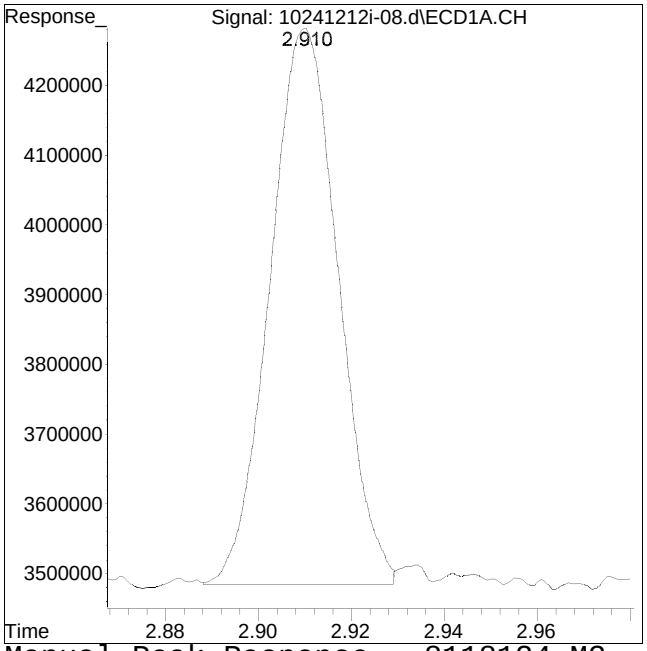
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-08.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:41 Instrument : Pest 10
Sample : il7pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:10 am

Compound #10: Alachlor





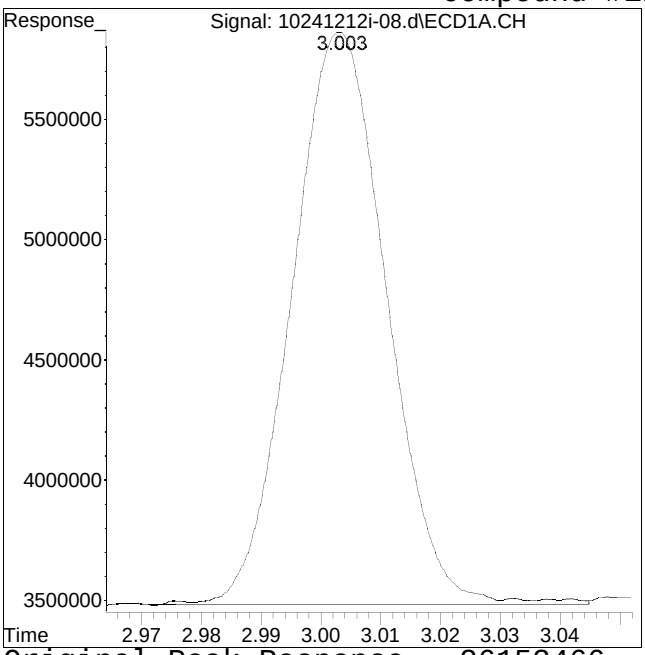
Original Peak Response = 8571181 Manual Peak Response = 8118124 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

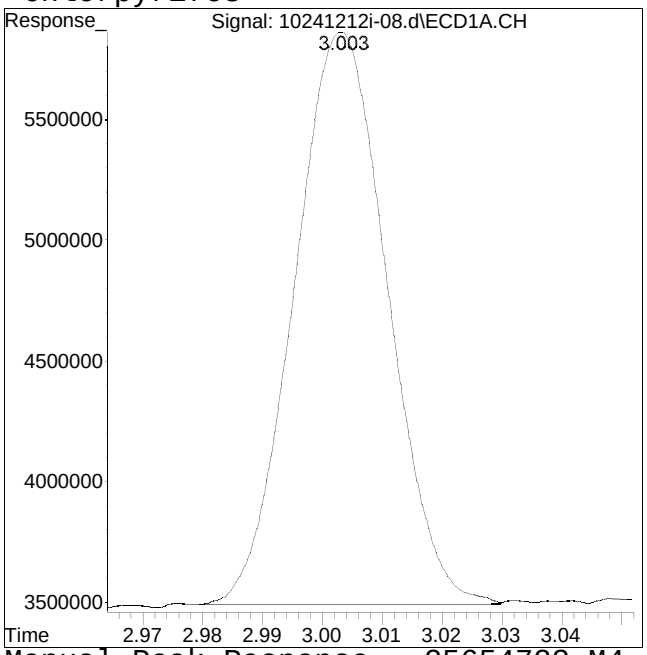
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-08.d
Date Inj'd : 12/12/2024 20:41
Sample : il7pest,42e,,pp 11929 L0.0

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 10:10 am

Compound #11: Chlorpyrifos



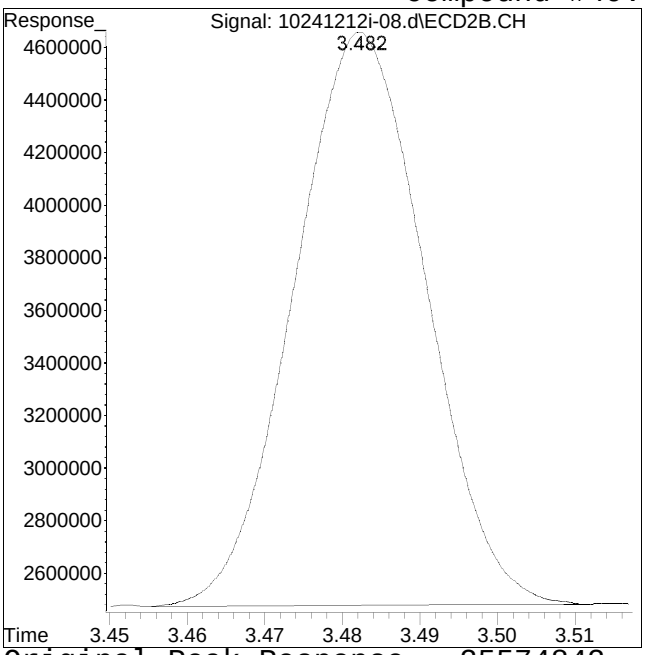


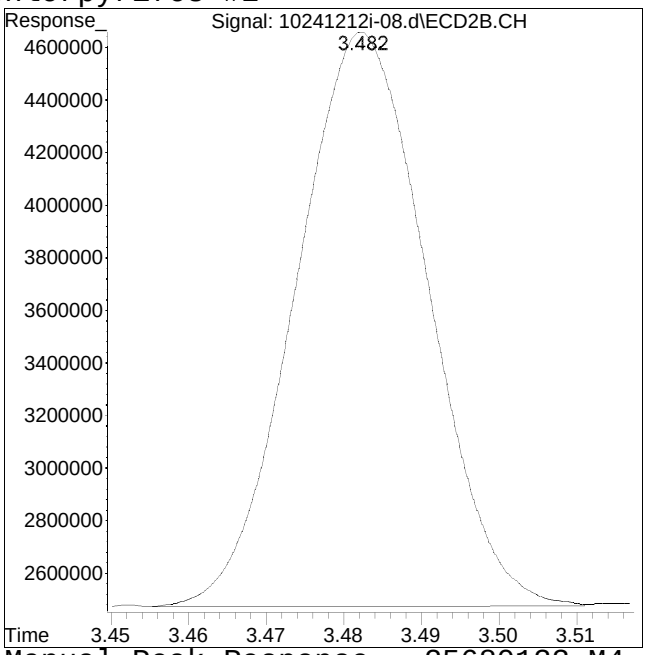
Original Peak Response = 26153466 Manual Peak Response = 25654723 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-08.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:41 Instrument : Pest 10
Sample : il7pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:10 am

Compound #49: Chlorpyrifos #2



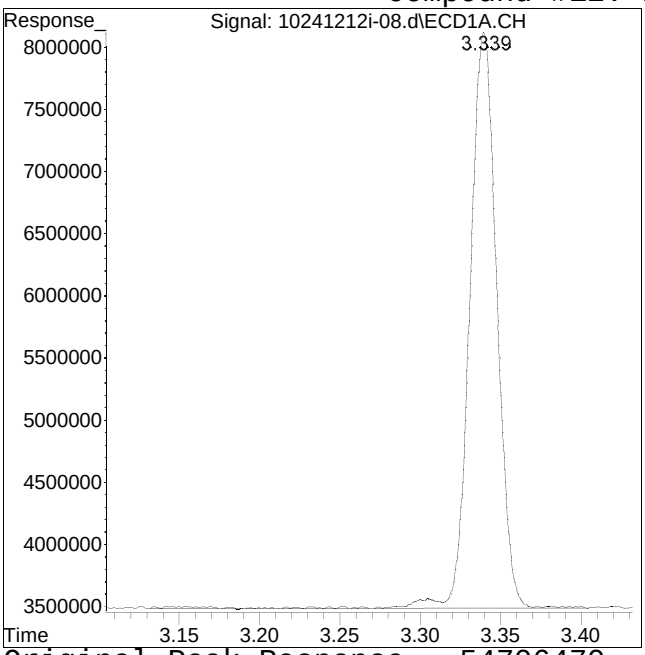


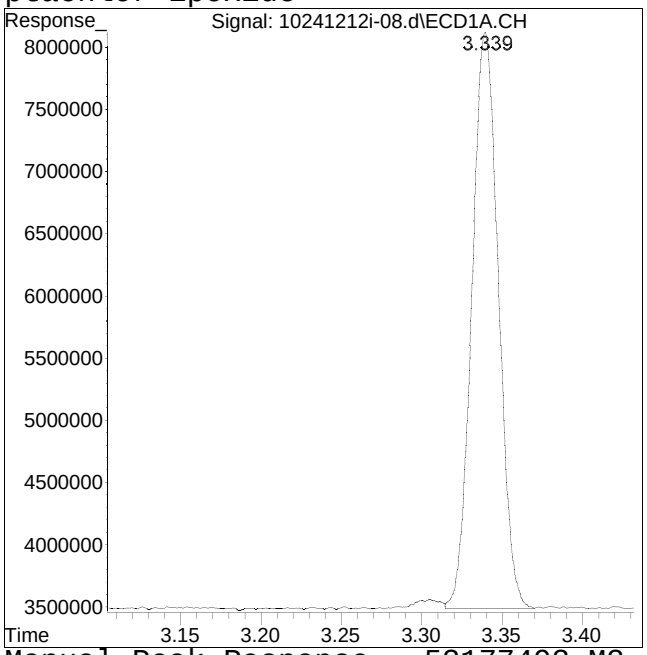
Original Peak Response = 25574842 Manual Peak Response = 25680133 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-08.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:41 Instrument : Pest 10
Sample : il7pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:10 am

Compound #12: Heptachlor Epoxide



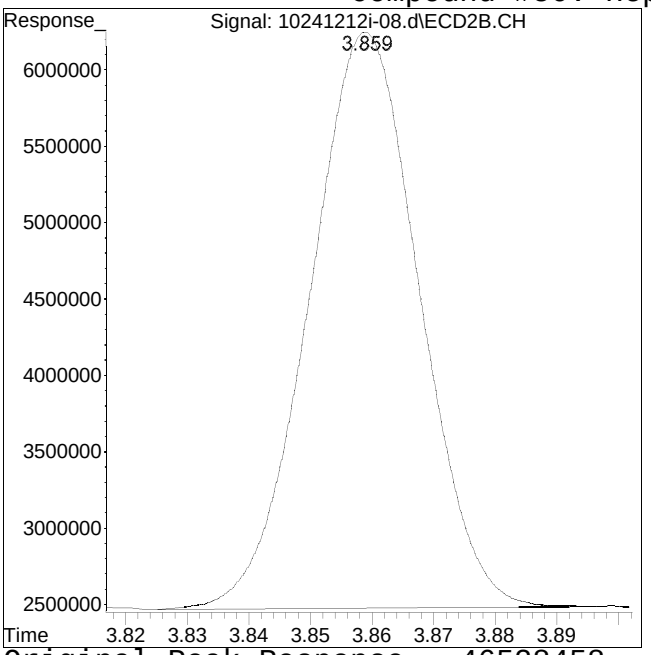


Original Peak Response = 54706470 Manual Peak Response = 53177493 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

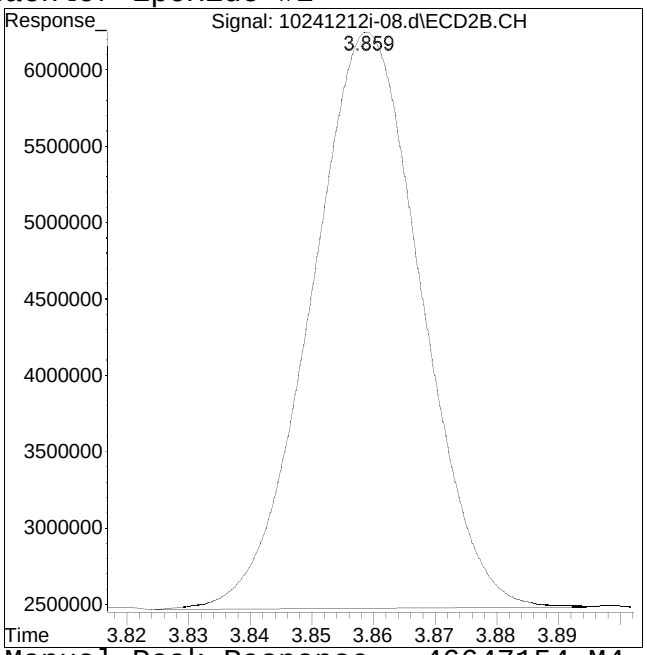
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-08.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:41 Instrument : Pest 10
Sample : il7pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:10 am

Compound #50: Heptachlor Epoxide #2



Original Peak Response = 46528458



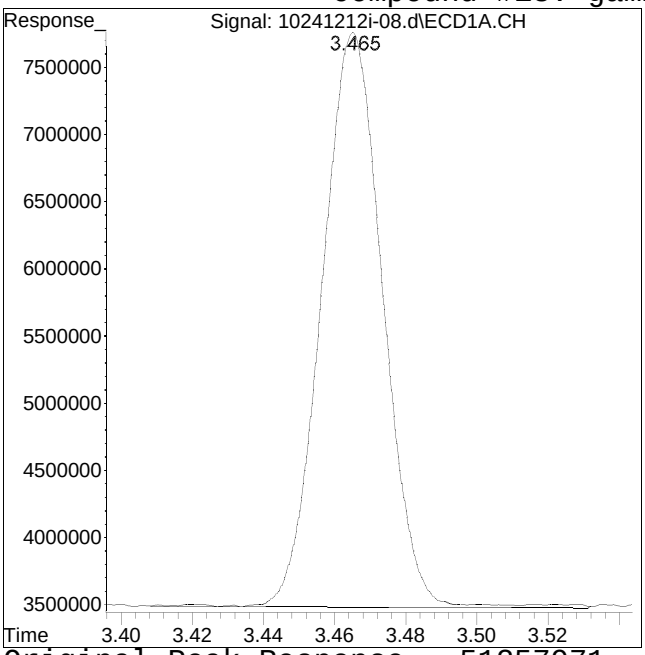
Manual Peak Response = 46647154 M4

M4 = Poor automated baseline construction.

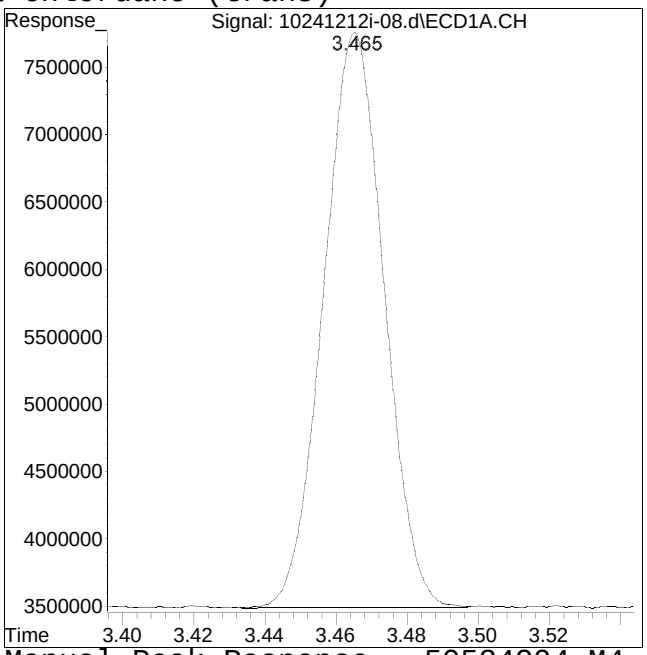
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-08.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:41 Instrument : Pest 10
Sample : il7pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:10 am

Compound #13: gamma-Chlordane (trans)



Original Peak Response = 51257971



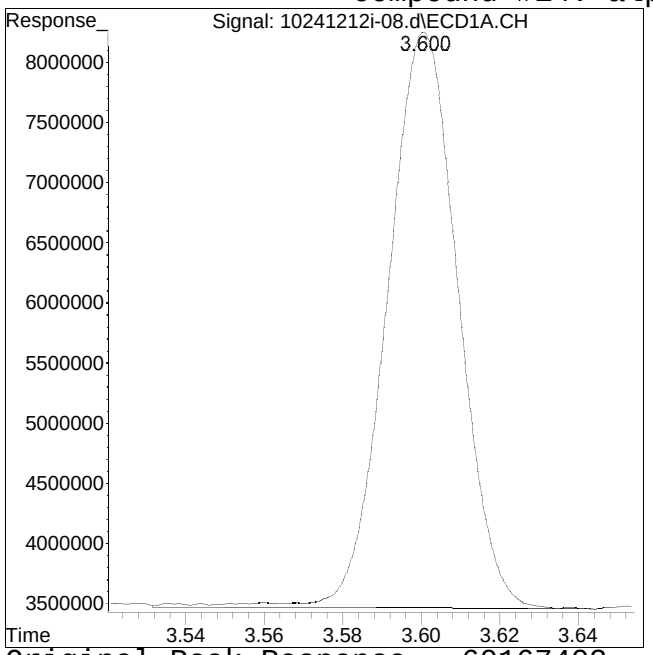
Manual Peak Response = 50534294 M4

M4 = Poor automated baseline construction.

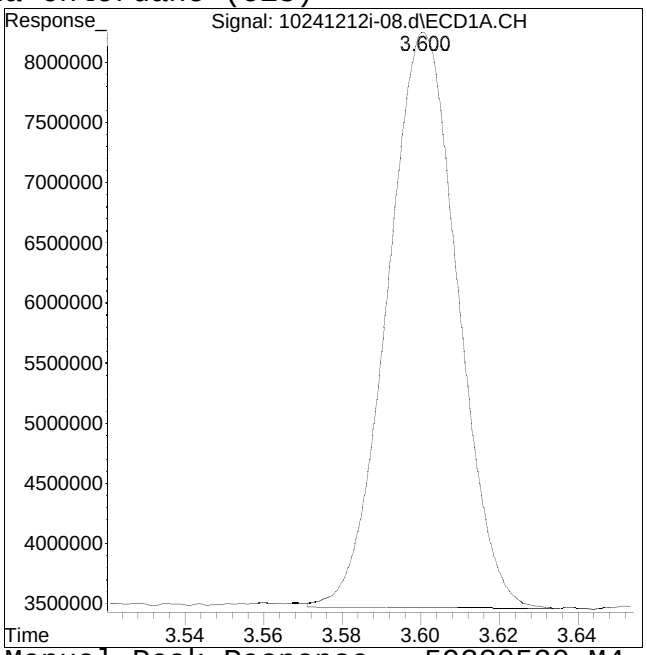
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-08.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:41 Instrument : Pest 10
Sample : il7pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:10 am

Compound #14: alpha-Chlordane (cis)



Original Peak Response = 60167402



Manual Peak Response = 59330520 M4

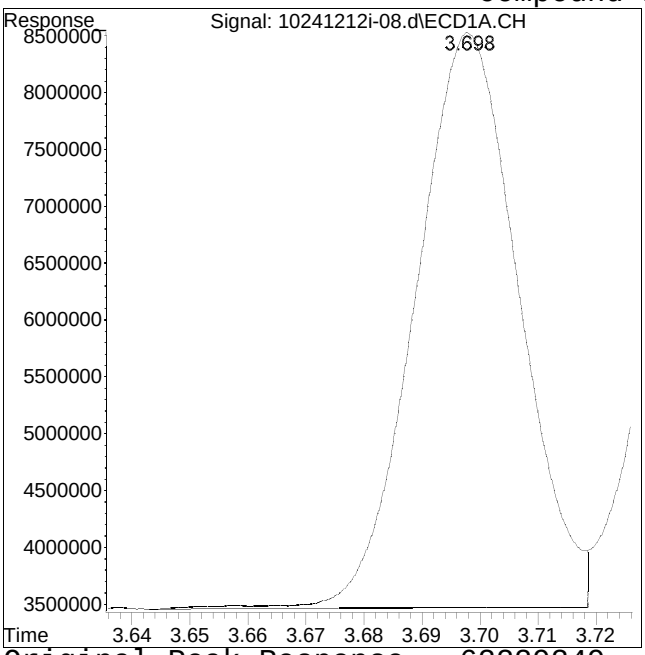
M4 = Poor automated baseline construction.

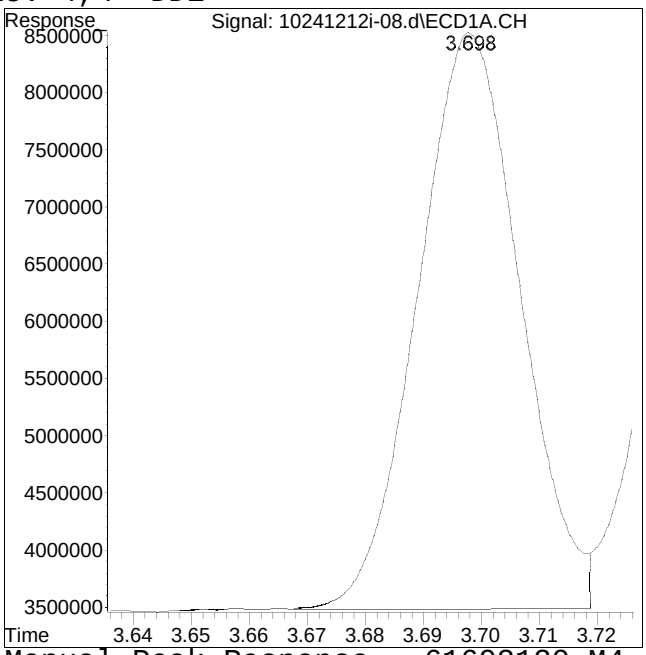
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-08.d
Date Inj'd : 12/12/2024 20:41
Sample : il7pest,42e,,pp 11929 L0.0

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 10:10 am

Compound #15: 4,4'-DDE



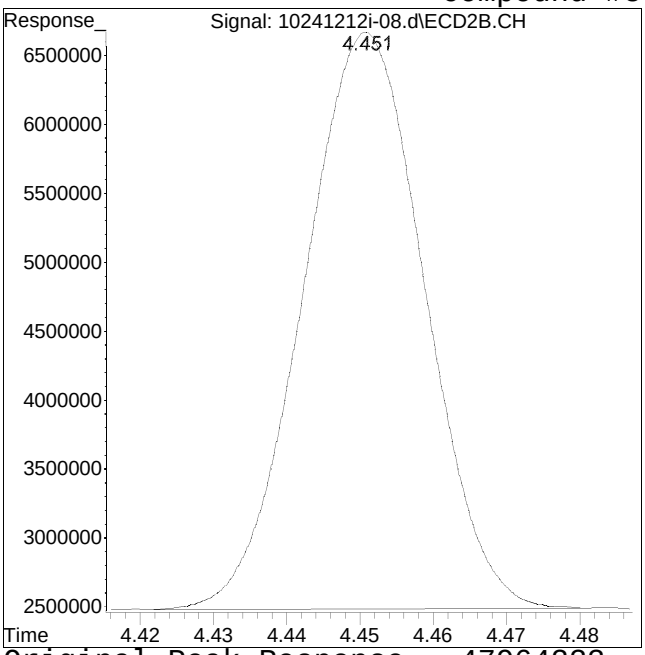


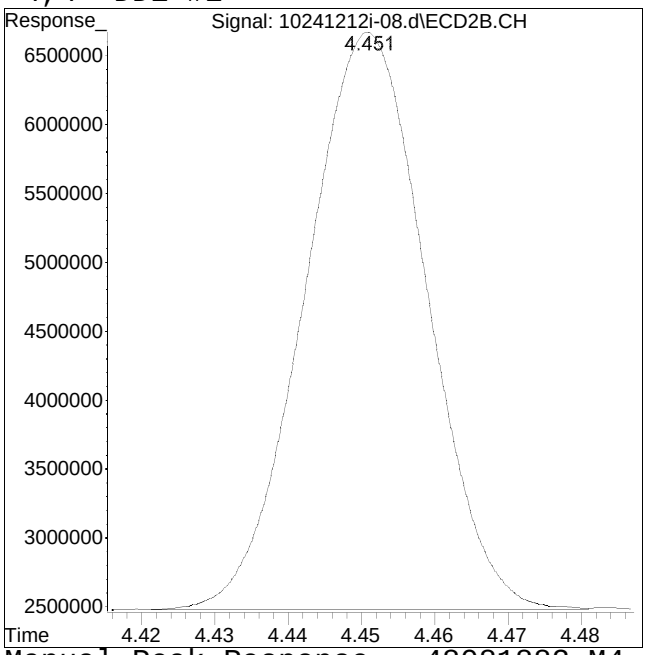
Original Peak Response = 62229249 Manual Peak Response = 61692120 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-08.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:41 Instrument : Pest 10
Sample : il7pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:10 am

Compound #53: 4,4'-DDE #2



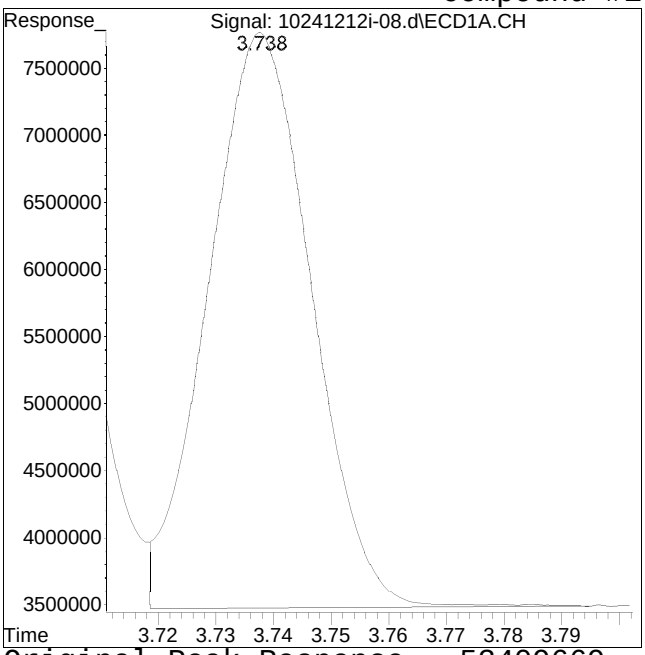


Original Peak Response = 47964233 Manual Peak Response = 48081882 M4
M4 = Poor automated baseline construction.

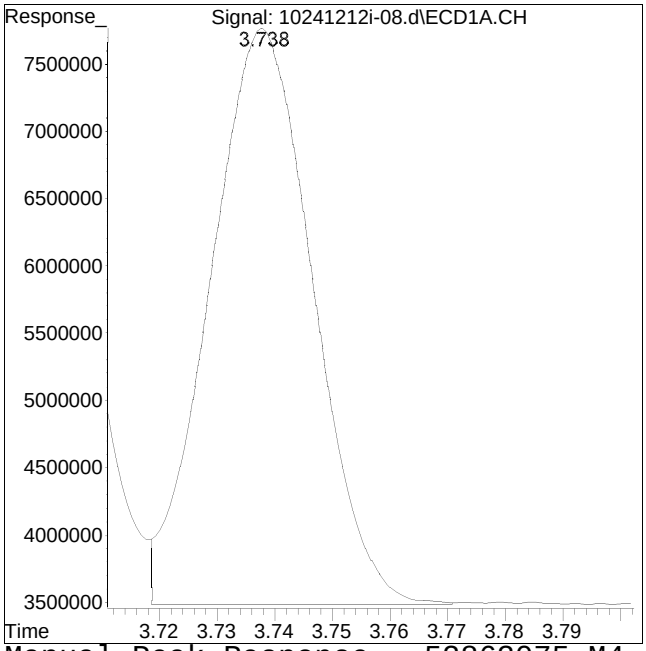
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-08.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:41 Instrument : Pest 10
Sample : il7pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:10 am

Compound #16: Endosulfan I



Original Peak Response = 53409669



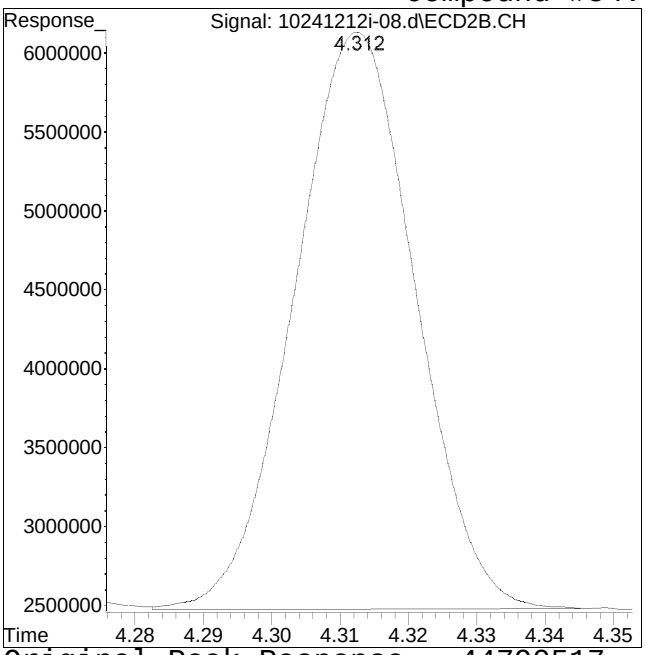
Manual Peak Response = 52863075 M4

M4 = Poor automated baseline construction.

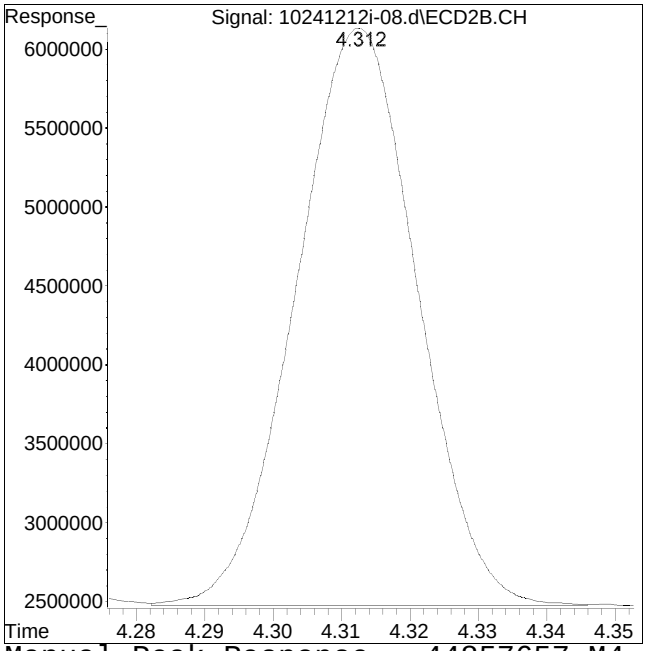
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-08.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:41 Instrument : Pest 10
Sample : il7pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:10 am

Compound #54: Endosulfan I #2



Original Peak Response = 44790517



Manual Peak Response = 44857657 M4

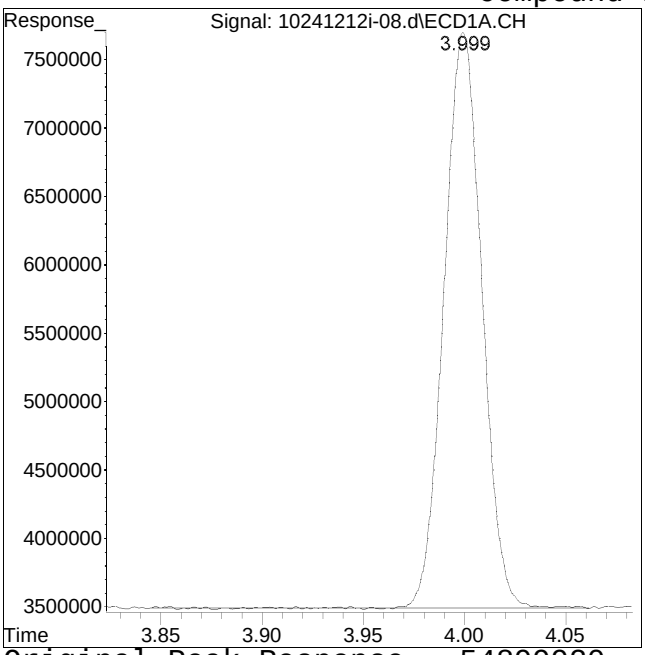
M4 = Poor automated baseline construction.

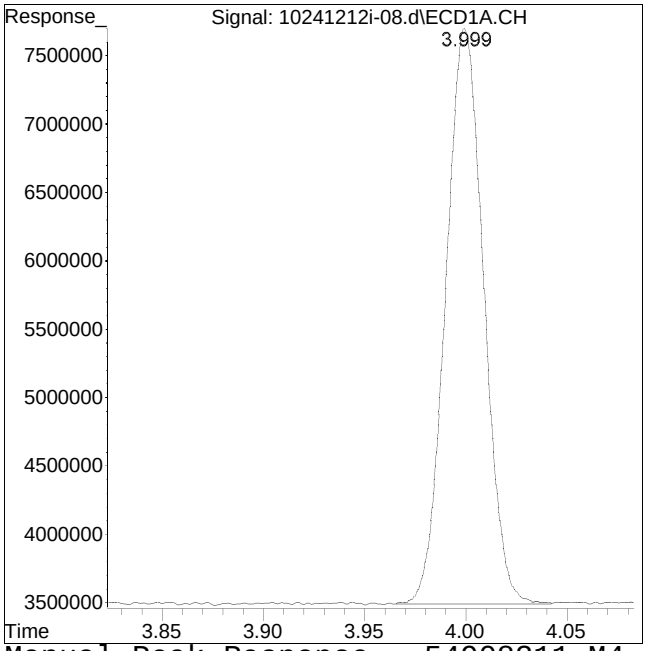
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-08.d
Date Inj'd : 12/12/2024 20:41
Sample : il7pest,42e,,pp 11929 L0.0

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 10:10 am

Compound #17: Dieldrin



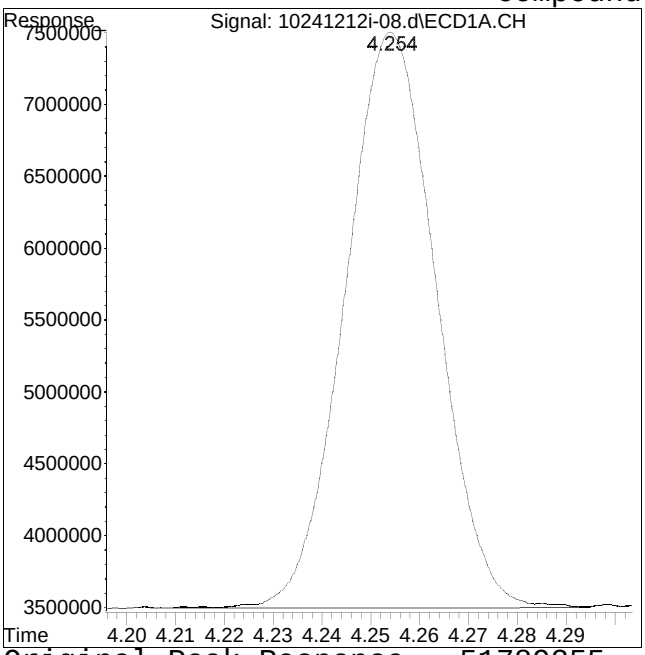


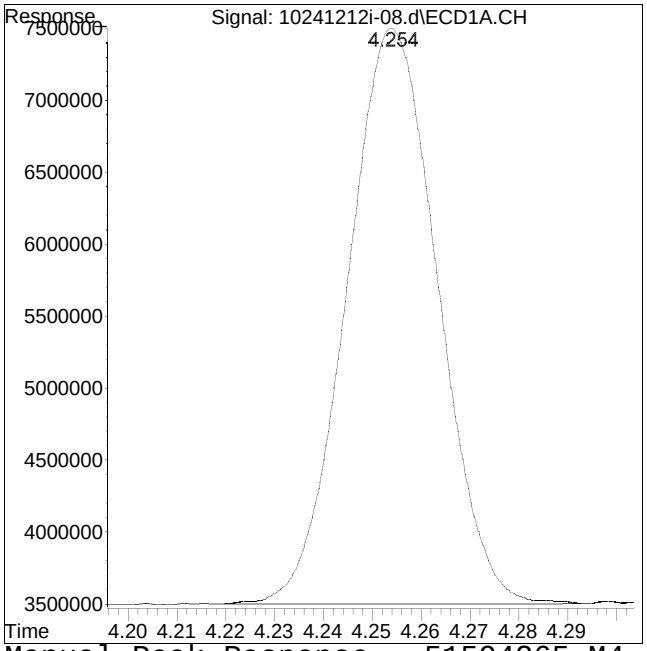
Original Peak Response = 54899920 Manual Peak Response = 54908311 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-08.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:41 Instrument : Pest 10
Sample : il7pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:10 am

Compound #18: Endrin



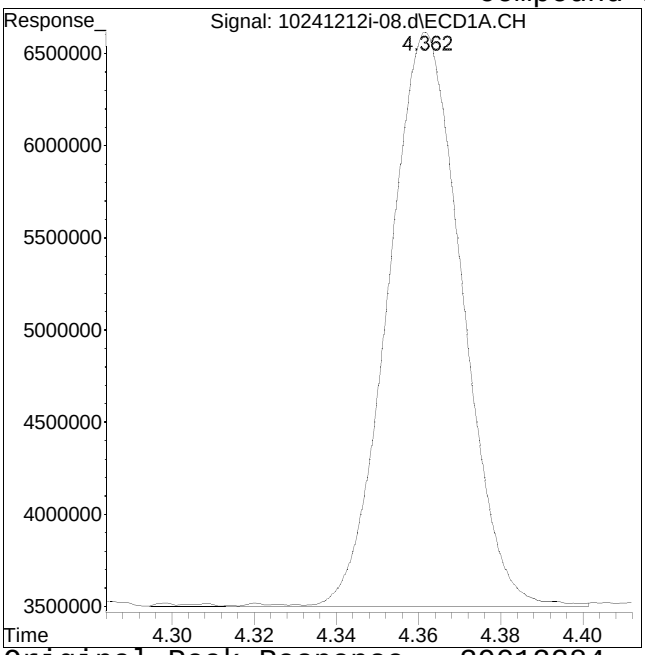


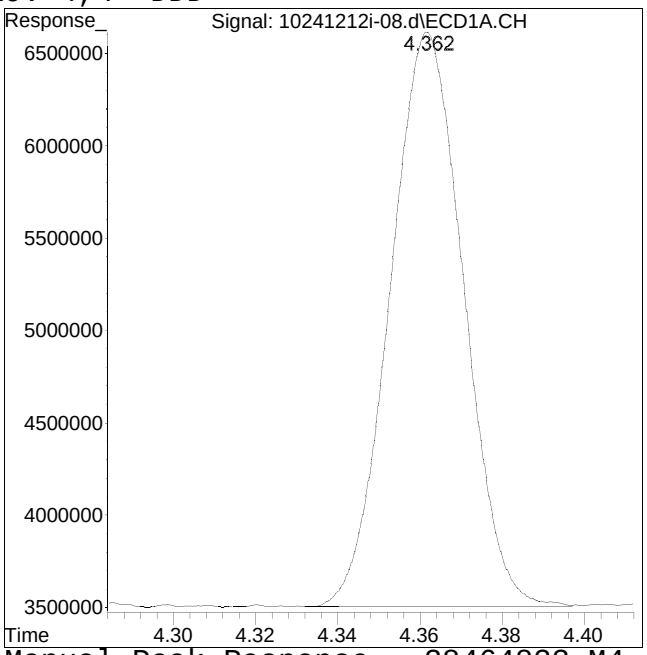
Original Peak Response = 51789255 Manual Peak Response = 51594265 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-08.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:41 Instrument : Pest 10
Sample : il7pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:10 am

Compound #19: 4,4'-DDD



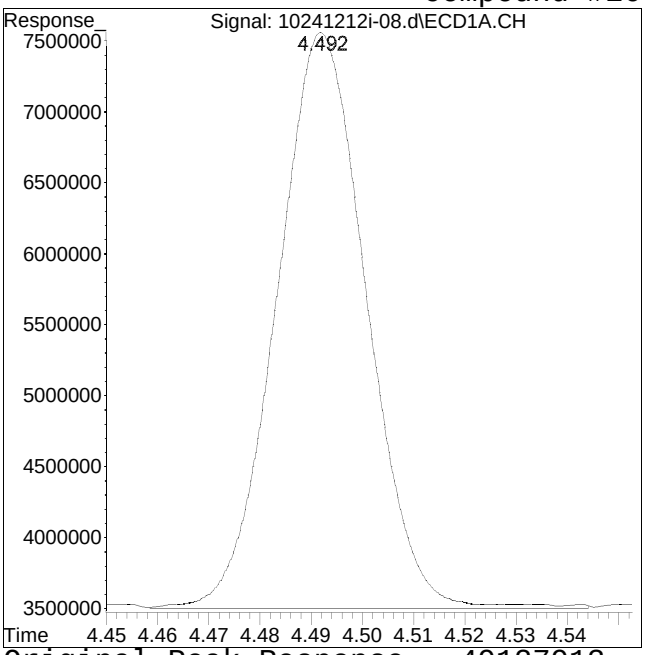


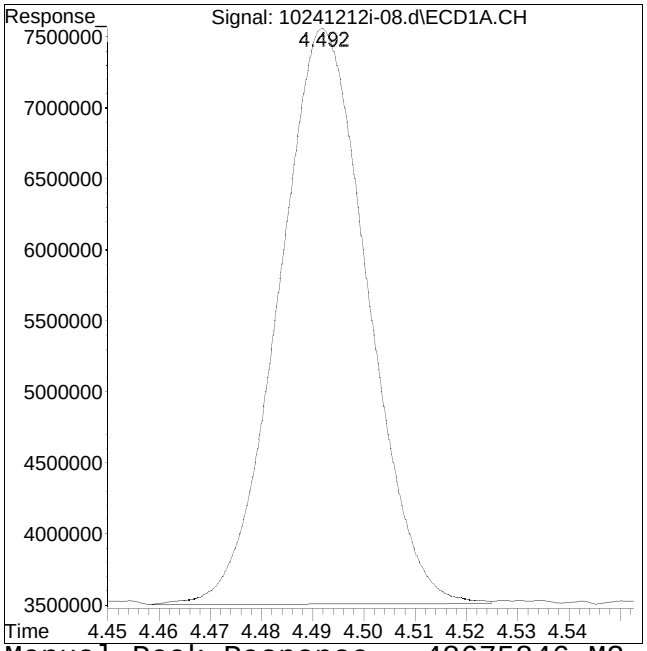
Original Peak Response = 39012284 Manual Peak Response = 38464833 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-08.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:41 Instrument : Pest 10
Sample : il7pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:10 am

Compound #20: Endosulfan II



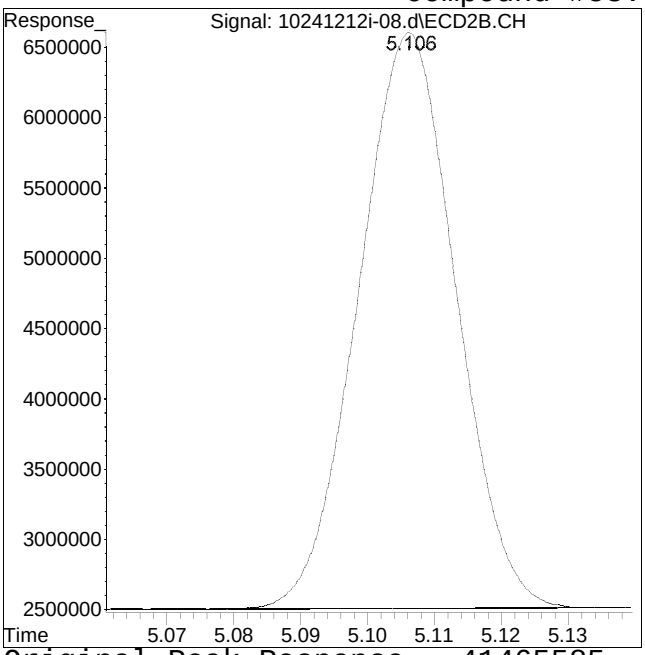


Original Peak Response = 49127913 Manual Peak Response = 48675846 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

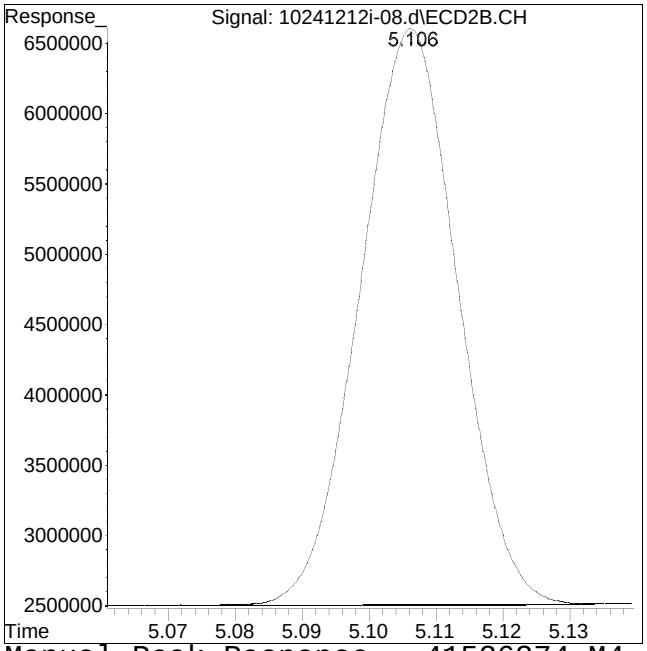
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-08.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:41 Instrument : Pest 10
Sample : il7pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:10 am

Compound #58: Endosulfan II #2



Original Peak Response = 41465585



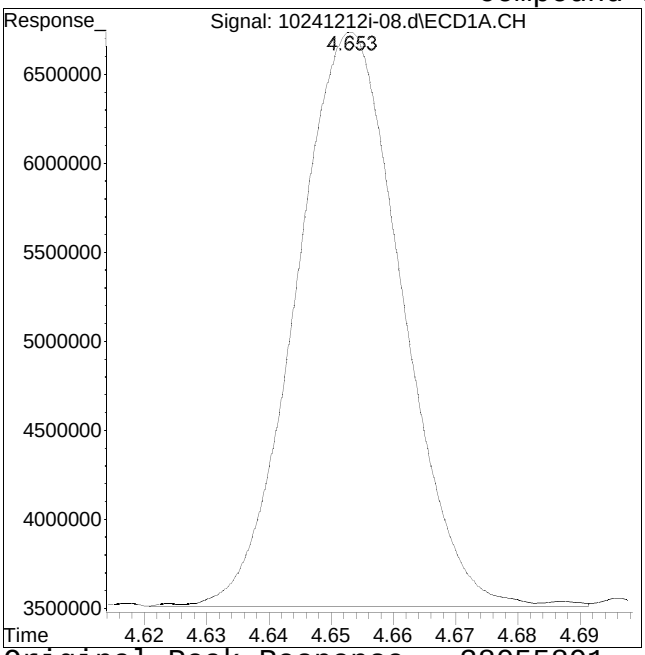
Manual Peak Response = 41526374 M4

M4 = Poor automated baseline construction.

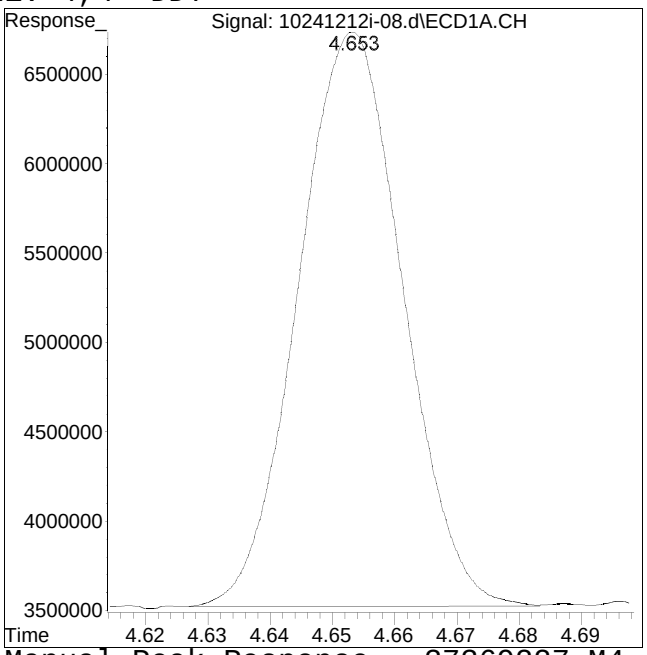
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-08.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:41 Instrument : Pest 10
Sample : il7pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:10 am

Compound #21: 4,4'-DDT



Original Peak Response = 38055891



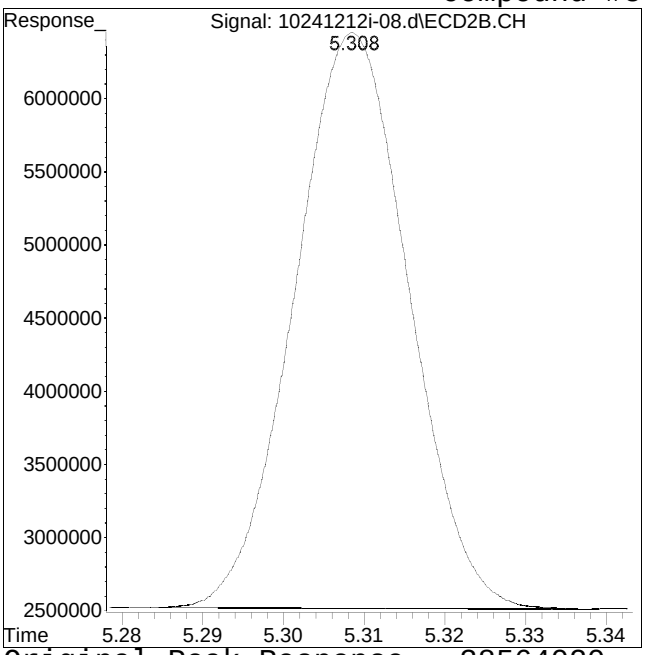
Manual Peak Response = 37369227 M4

M4 = Poor automated baseline construction.

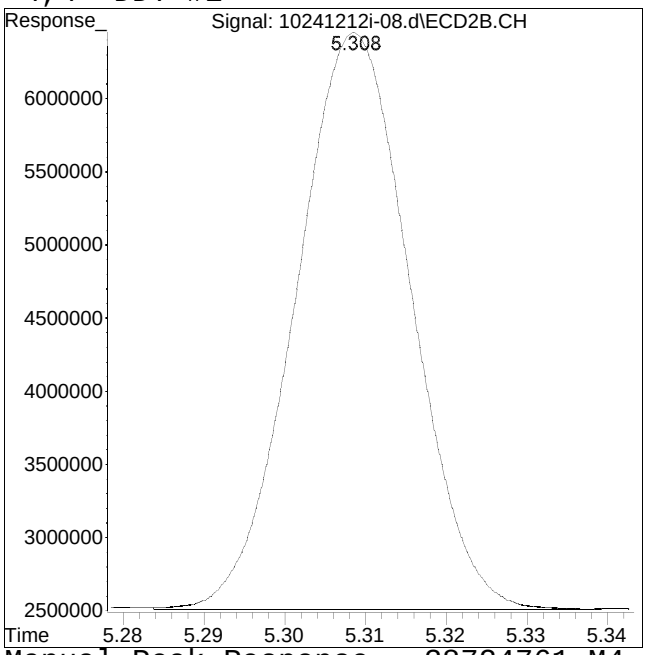
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-08.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:41 Instrument : Pest 10
Sample : il7pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:10 am

Compound #59: 4,4'-DDT #2



Original Peak Response = 38564020

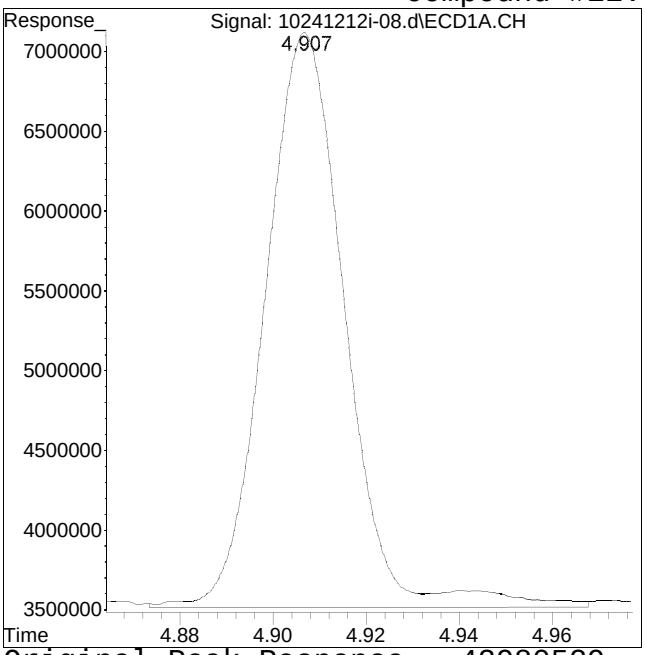


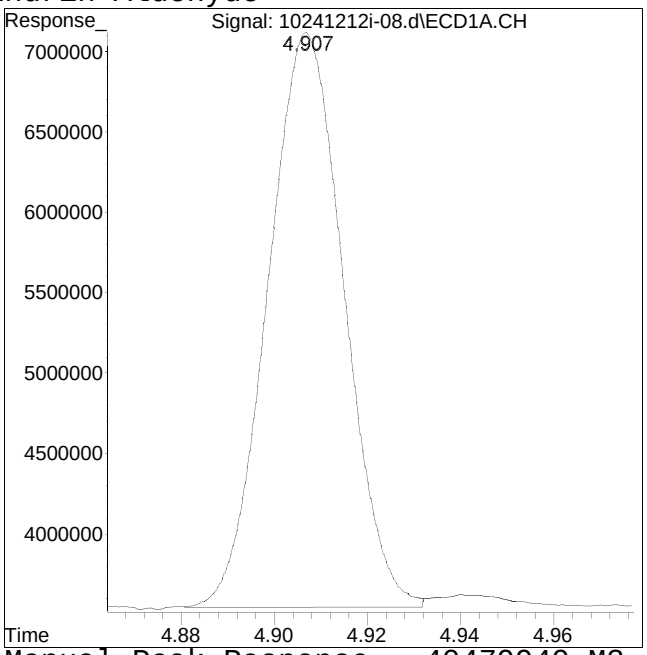
Manual Peak Response = 38724761 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-08.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:41 Instrument : Pest 10
Sample : il7pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:10 am

Compound #22: Endrin Aldehyde



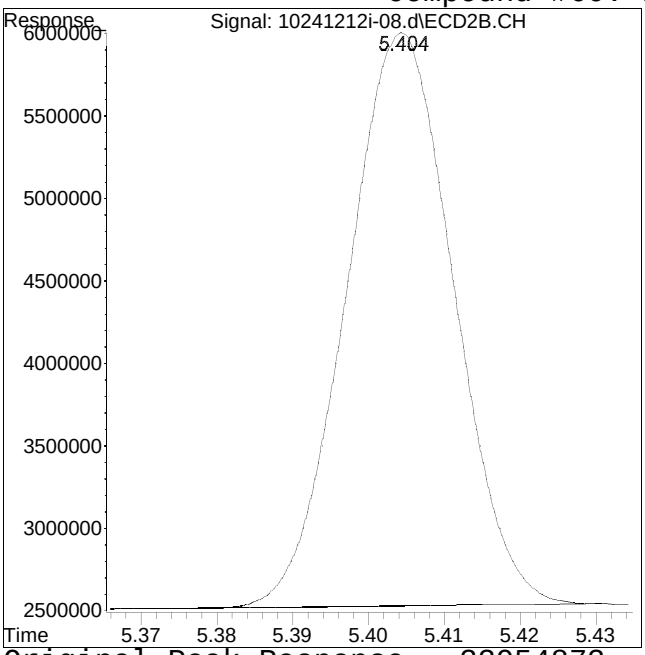


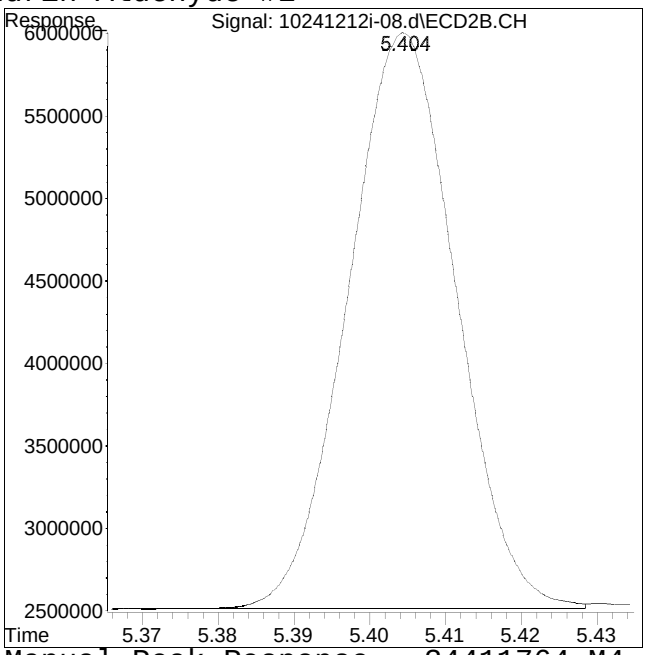
Original Peak Response = 42980529 Manual Peak Response = 40479949 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-08.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:41 Instrument : Pest 10
Sample : il7pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:10 am

Compound #60: Endrin Aldehyde #2



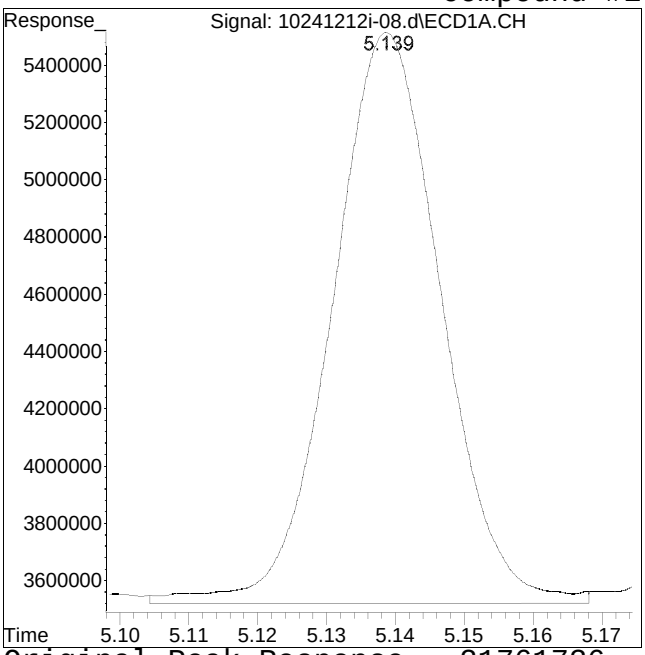


Original Peak Response = 33954873 Manual Peak Response = 34411764 M4
M4 = Poor automated baseline construction.

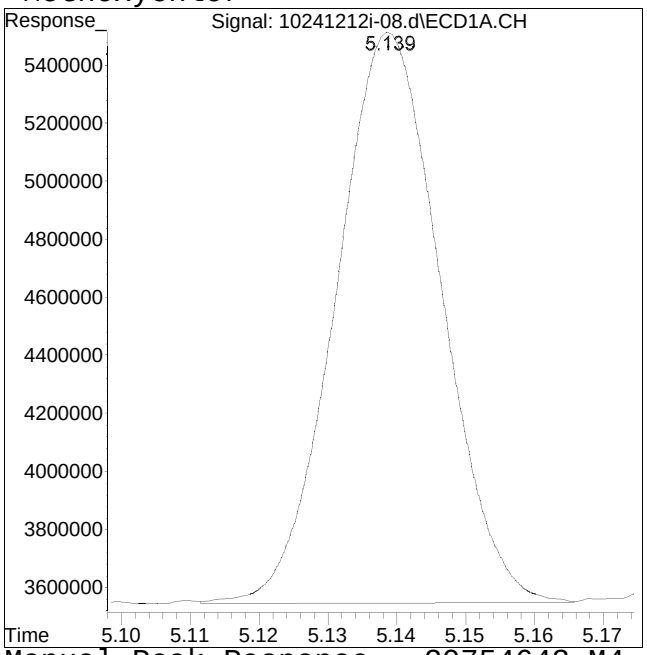
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-08.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:41 Instrument : Pest 10
Sample : il7pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:10 am

Compound #23: Methoxychlor



Original Peak Response = 21761736



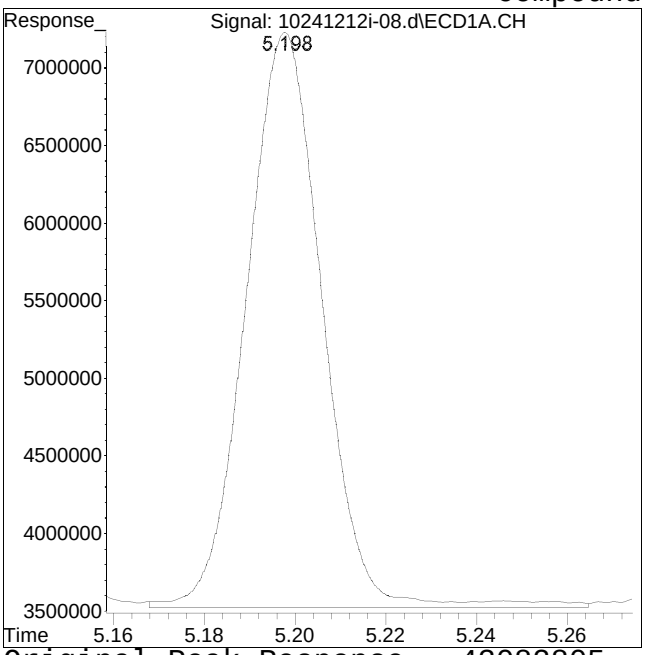
Manual Peak Response = 20754643 M4

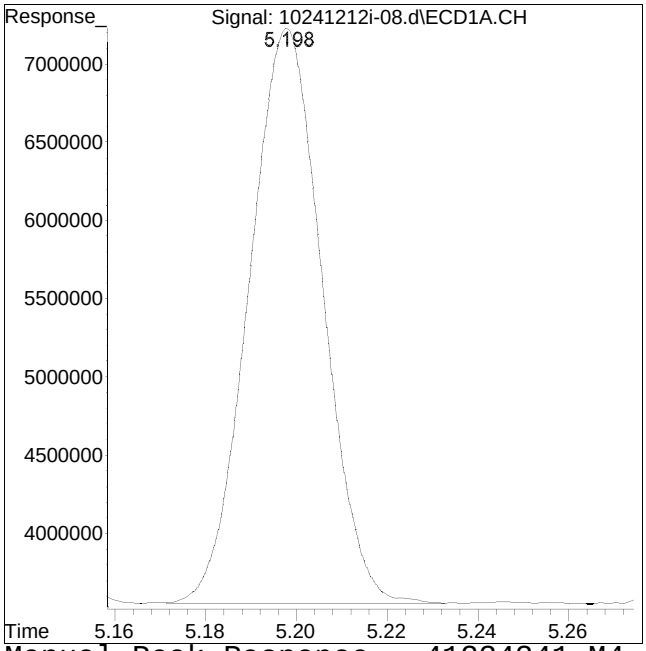
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-08.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:41 Instrument : Pest 10
Sample : il7pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:10 am

Compound #24: Mirex



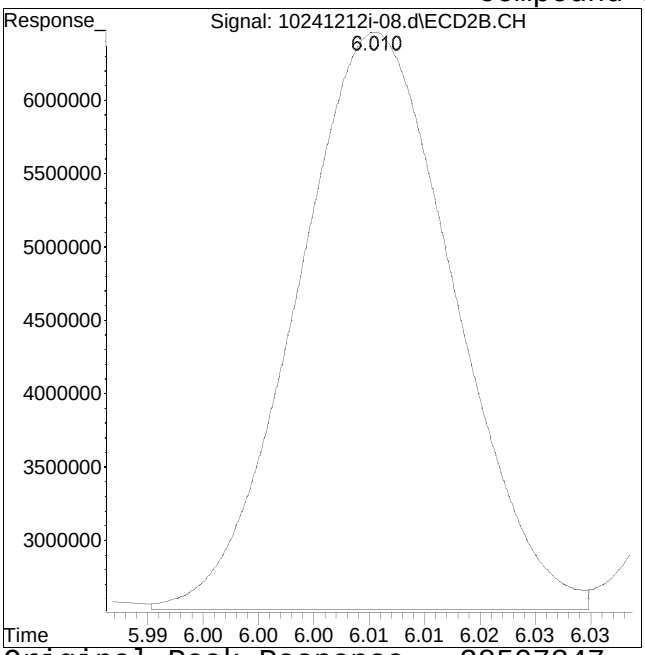


Original Peak Response = 43082805 Manual Peak Response = 41234341 M4
M4 = Poor automated baseline construction.

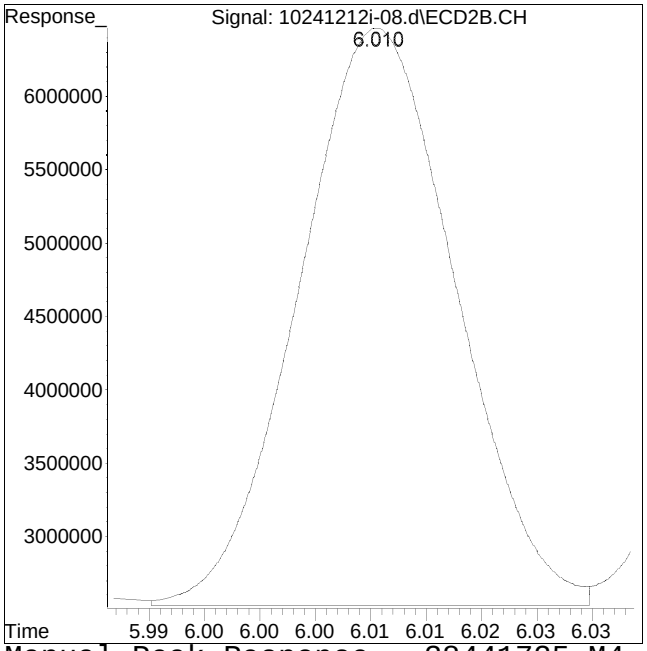
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-08.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:41 Instrument : Pest 10
Sample : il7pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:10 am

Compound #62: Mirex #2



Original Peak Response = 38507347



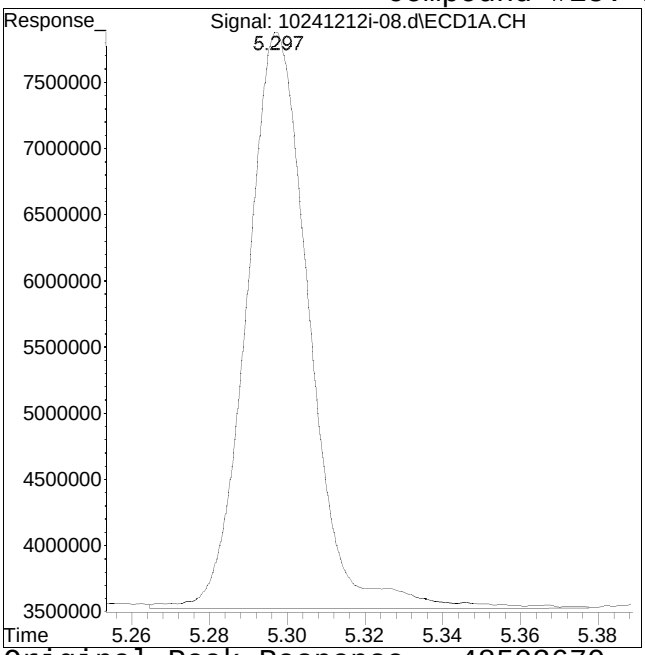
Manual Peak Response = 38441725 M4

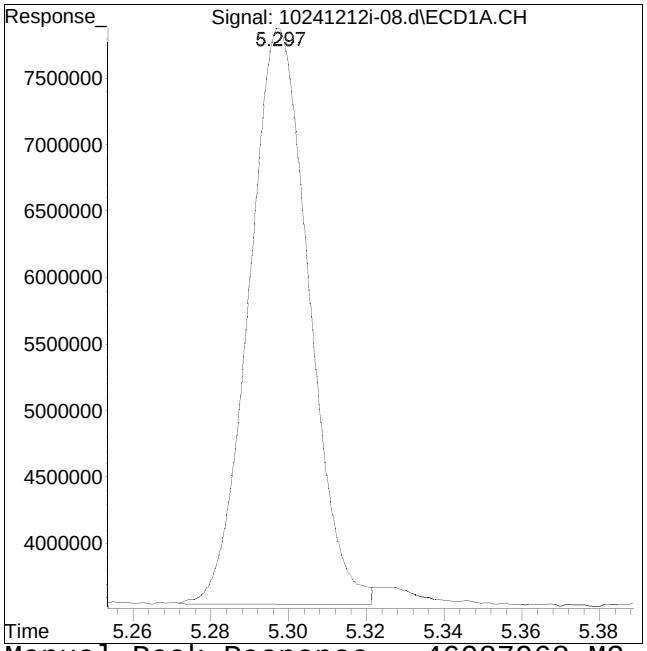
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-08.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:41 Instrument : Pest 10
Sample : il7pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:10 am

Compound #25: Endosulfan Sulfate





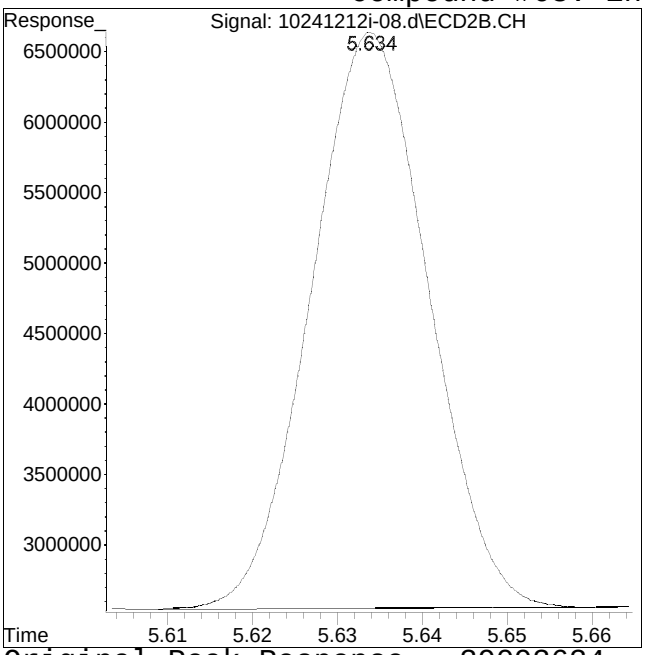
Original Peak Response = 48503670 Manual Peak Response = 46087968 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

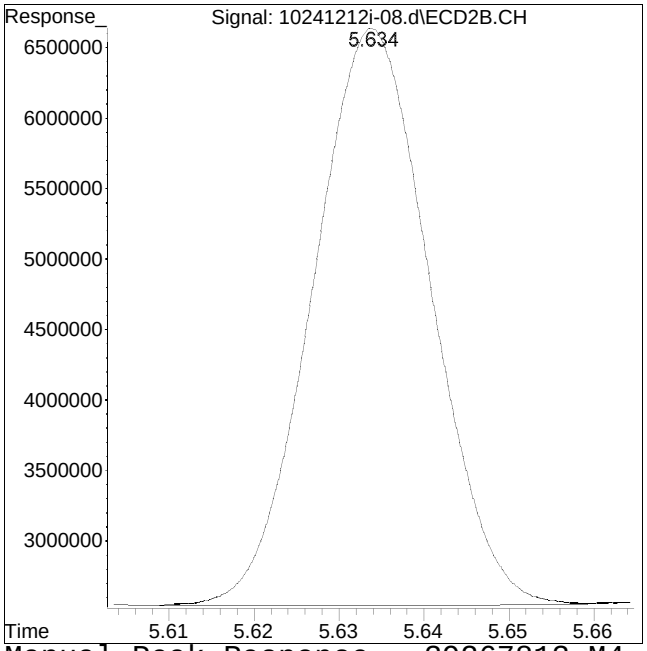
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-08.d
Date Inj'd : 12/12/2024 20:41
Sample : il7pest,42e,,pp 11929 L0.0

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 10:10 am

Compound #63: Endosulfan Sulfate #2



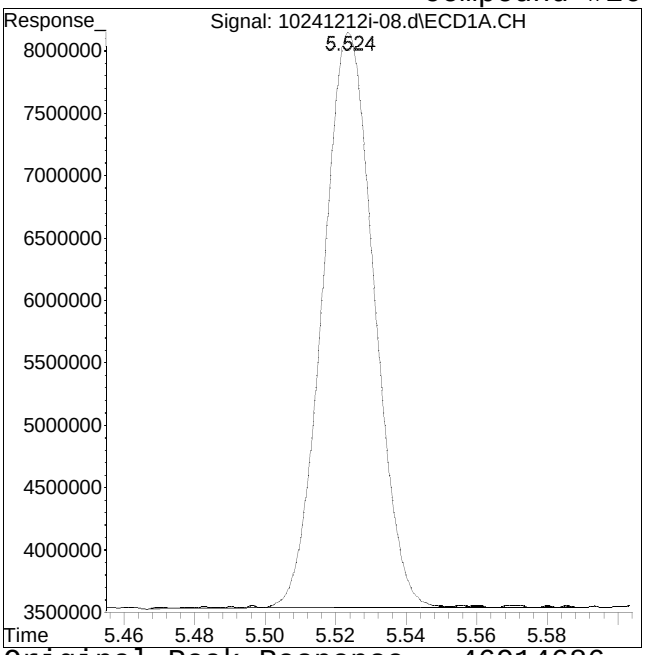


Original Peak Response = 39093634 Manual Peak Response = 39267813 M4
M4 = Poor automated baseline construction.

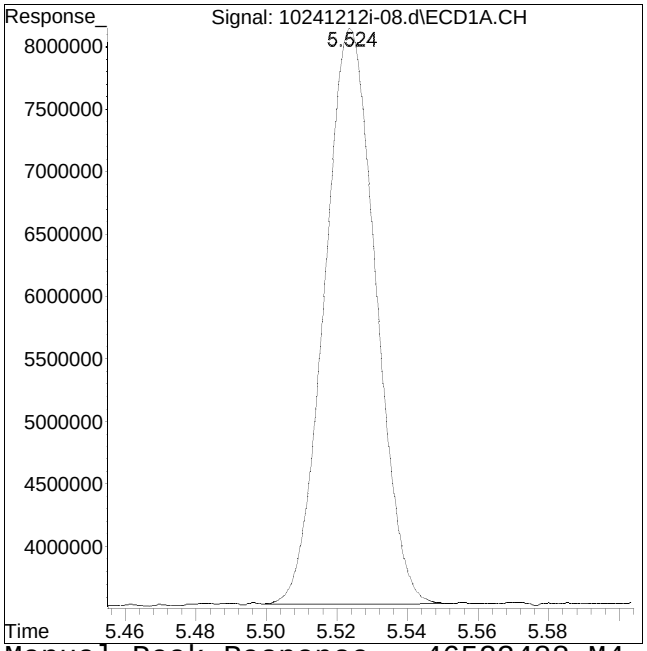
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-08.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:41 Instrument : Pest 10
Sample : il7pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:10 am

Compound #26: Endrin Ketone



Original Peak Response = 46914686



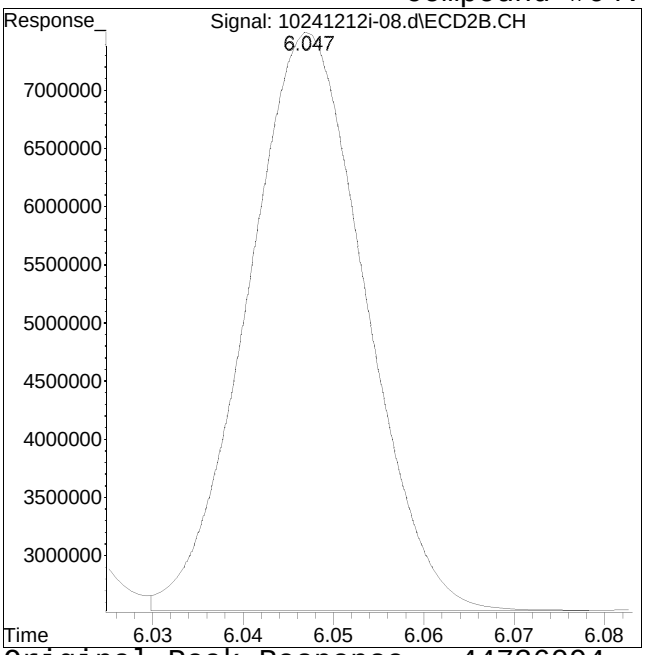
Manual Peak Response = 46523488 M4

M4 = Poor automated baseline construction.

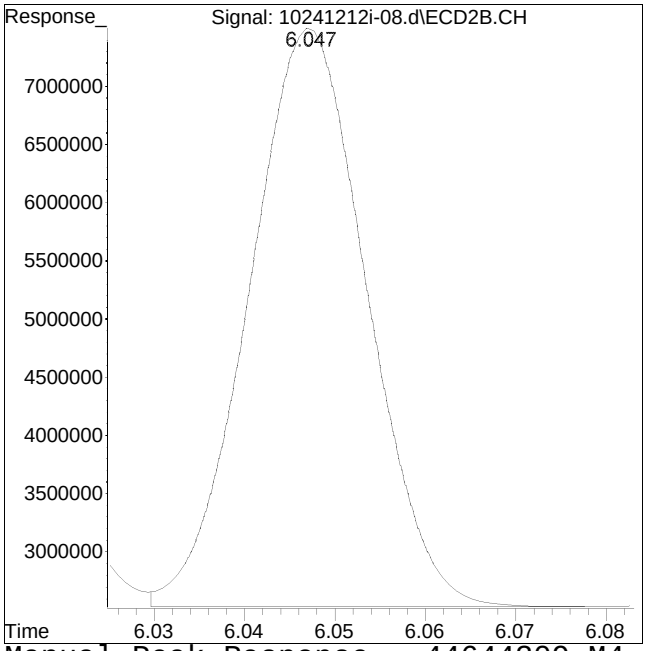
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-08.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:41 Instrument : Pest 10
Sample : il7pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:10 am

Compound #64: Endrin Ketone #2



Original Peak Response = 44736094



Manual Peak Response = 44644309 M4

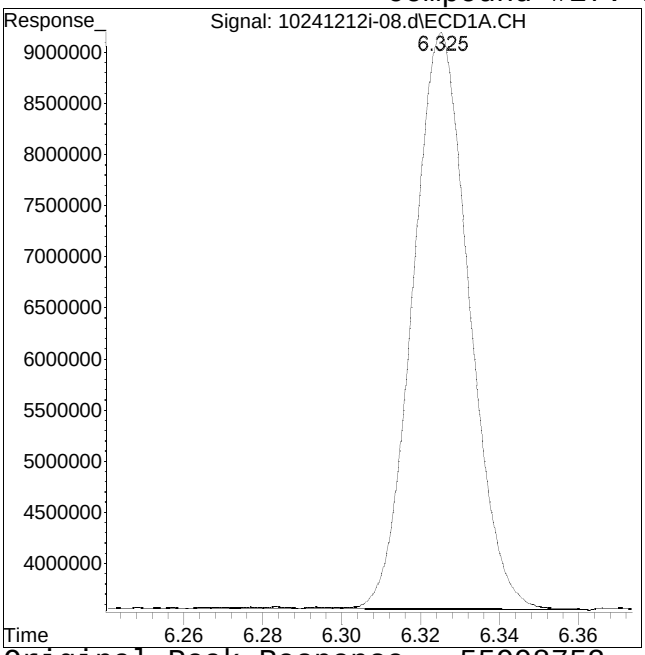
M4 = Poor automated baseline construction.

Manual Integration Report

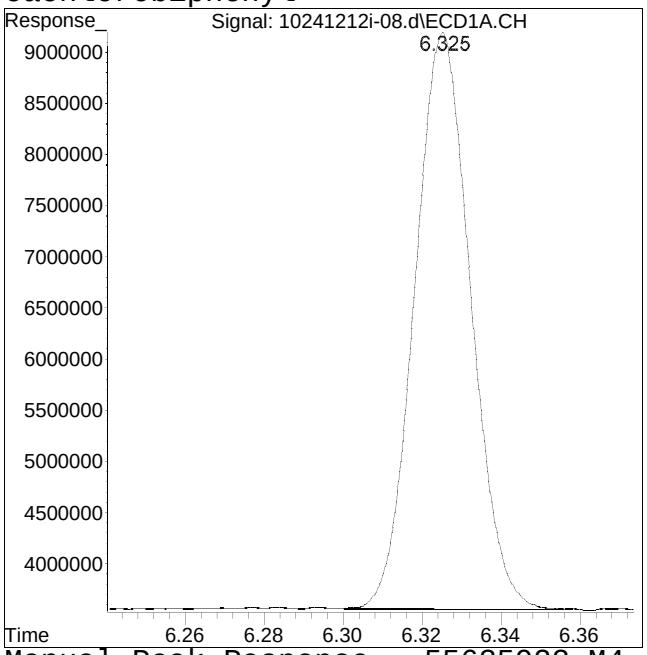
Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-08.d
Date Inj'd : 12/12/2024 20:41
Sample : il7pest,42e,,pp 11929 L0.0

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 10:10 am

Compound #27: Decachlorobiphenyl



Original Peak Response = 55998752



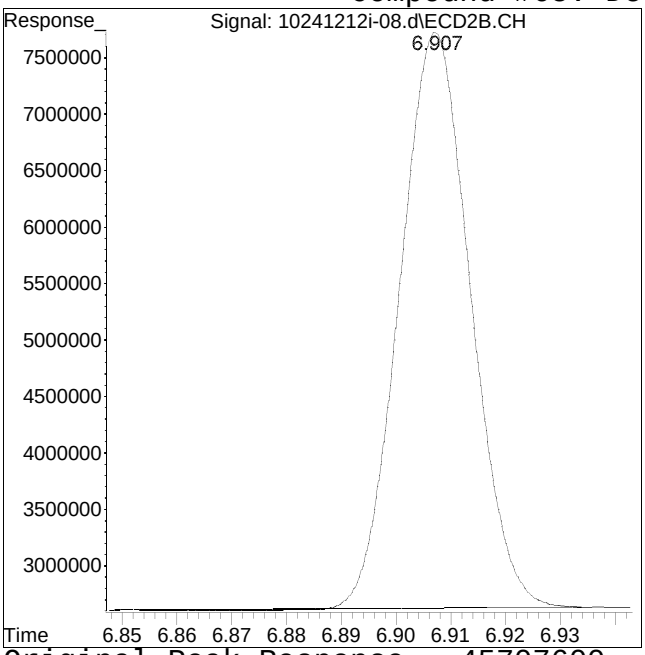
Manual Peak Response = 55635922 M4

M4 = Poor automated baseline construction.

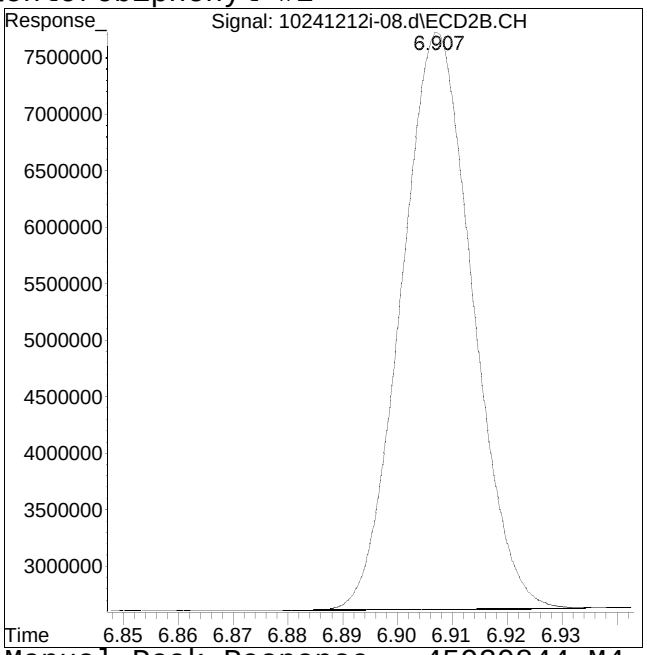
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-08.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:41 Instrument : Pest 10
Sample : il7pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 10:10 am

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 45707600



Manual Peak Response = 45930844 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 20:51
Operator : PEST10:ejl
Sample : il8pest,42e,,pp 11929 L0.05
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 09:21:03 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 09:20:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.326	1.365	81173857	74931148	25.000M3	25.000M3
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.673	1.837	282.2E6	197.8E6	NoCal M3	NoCal
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	6.324	6.906	250.3E6	212.1E6	NoCal M4	NoCal M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	1.888	2.155	291.7E6	211.8E6	NoCal M3	NoCal
4) t	alpha-BHC	1.987	2.250	290.5E6	275.1E6	NoCal M3	NoCal
5) t	gamma-BHC (l	2.192	2.533	254.5E6	246.3E6	NoCal	NoCal
6) t	beta-BHC	2.248	2.598	114.4E6	106.3E6	NoCal M4	NoCal
7) t	delta-BHC	2.378	2.864	267.6E6	254.0E6	NoCal M4	NoCal
8) t	Heptachlor	2.543	2.928	227.0E6	237.1E6	NoCal M4	NoCal
9) t	Aldrin	2.788	3.246	282.0E6	260.4E6	NoCal M4	NoCal
10) t	Alachlor	2.908	3.129	36355791	32700669	NoCal M4	NoCal
11) t	Chlorpyrifos	3.001	3.482	109.0E6	113.3E6	NoCal	NoCal
12) t	Heptachlor E	3.337	3.859	243.5E6	235.9E6	NoCal M4	NoCal

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 20:51
Operator : PEST10:ejl
Sample : il8pest,42e,,pp 11929 L0.05
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 09:21:03 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 09:20:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
13)	t	gamma-Chlord	3.463	4.078	233.2E6	218.5E6	NoCal M4	NoCal M4
14)	t	alpha-Chlord	3.598	4.251	273.0E6	250.6E6	NoCal M3	NoCal
15)	t	4,4'-DDE	3.696	4.450	294.2E6	261.3E6	NoCal M4	NoCal
16)	t	Endosulfan I	3.736	4.312	243.5E6	230.1E6	NoCal M4	NoCal
17)	t	Dieldrin	3.997	4.605	257.1E6	241.4E6	NoCal M4	NoCal M4
18)	t	Endrin	4.252	4.905	239.3E6	239.2E6	NoCal M4	NoCal M4
19)	t	4,4'-DDD	4.360	5.029	178.3E6	188.1E6	NoCal M4	NoCal M4
20)	t	Endosulfan I	4.490	5.105	223.1E6	212.7E6	NoCal M4	NoCal M4
21)	t	4,4'-DDT	4.651	5.308	174.9E6	200.7E6	NoCal M4	NoCal
22)	t	Endrin Aldeh	4.906	5.404	191.7E6	179.2E6	NoCal	NoCal M3
23)	t	Methoxychlor	5.138	5.876	90740435	106.2E6	NoCal	NoCal M4
24)	t	Mirex	5.197	6.010	182.2E6	180.6E6	NoCal	NoCal
25)	t	Endosulfan S	5.296	5.633	208.0E6	194.5E6	NoCal M3	NoCal M4
26)	t	Endrin Keton	5.523	6.047	212.5E6	223.0E6	NoCal M4	NoCal
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32)	l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum	chlordane-1			0	0	N.D.	N.D.
Average		chlordane-1					0.000	0.000

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 20:51
Operator : PEST10:ejl
Sample : il8pest,42e,,pp 11929 L0.05
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 09:21:03 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 09:20:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

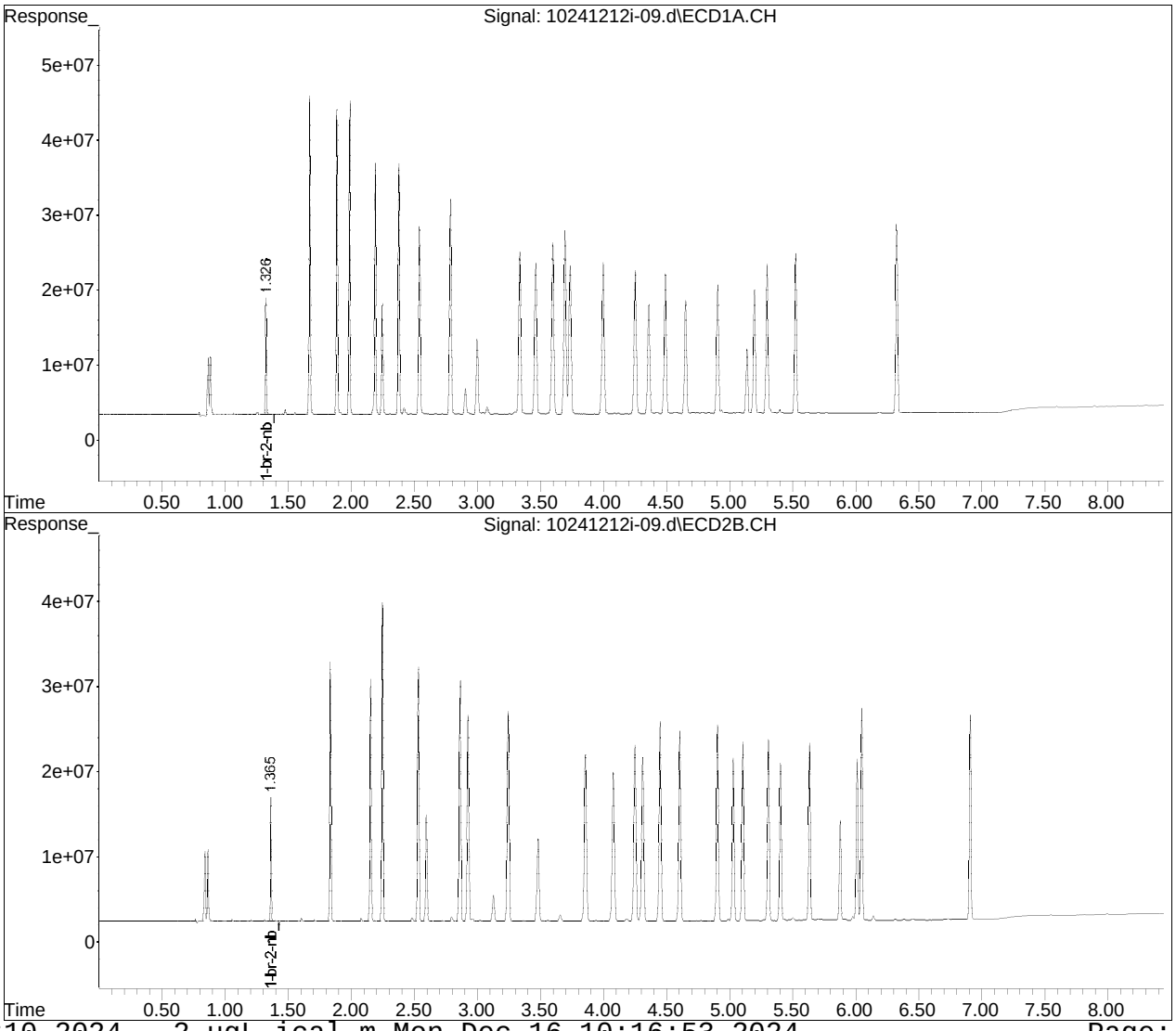
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 20:51
Operator : PEST10:ejl
Sample : il8pest,42e,,pp 11929 L0.05
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 09:21:03 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 09:20:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

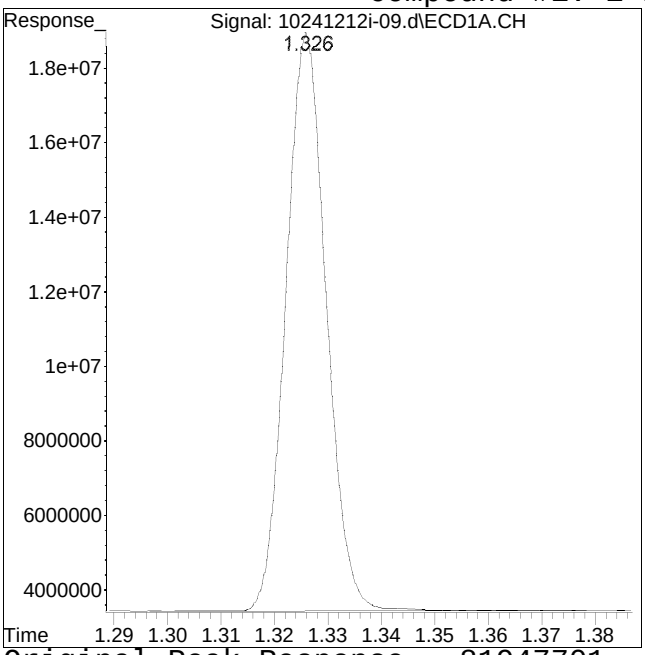
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

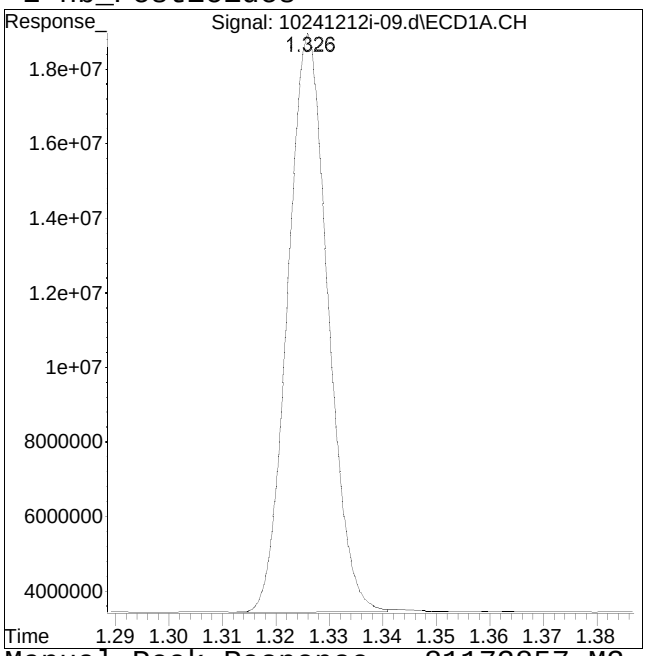


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-09.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:51 Instrument : Pest 10
Sample : il8pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 9:21 am

Compound #1: 1-br-2-nb_Pesticides



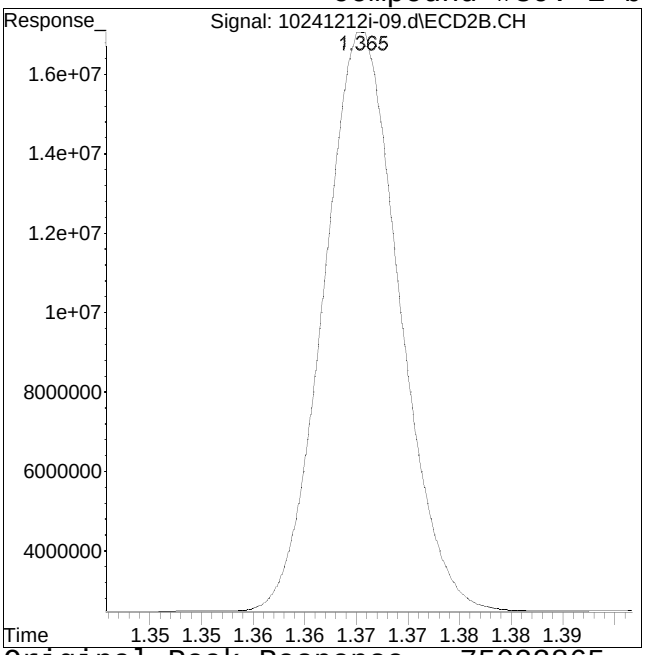


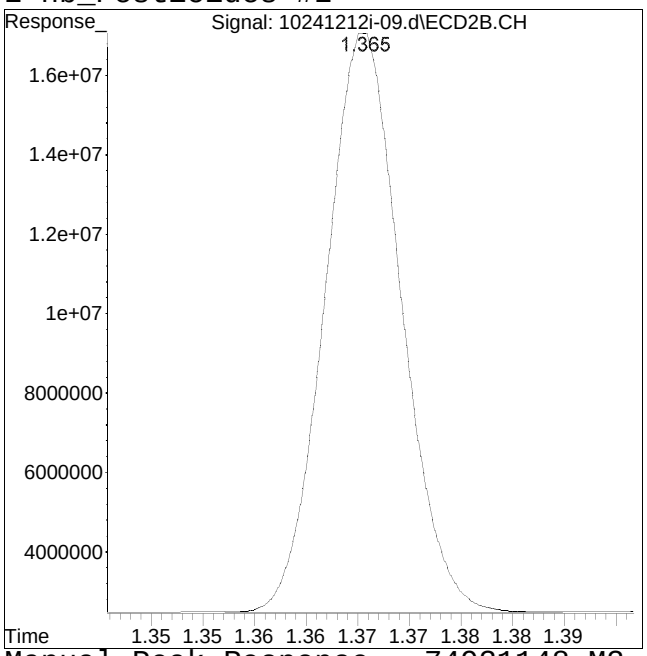
Original Peak Response = 81947701 Manual Peak Response = 81173857 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-09.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:51 Instrument : Pest 10
Sample : il8pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 9:21 am

Compound #39: 1-br-2-nb_Pesticides #2



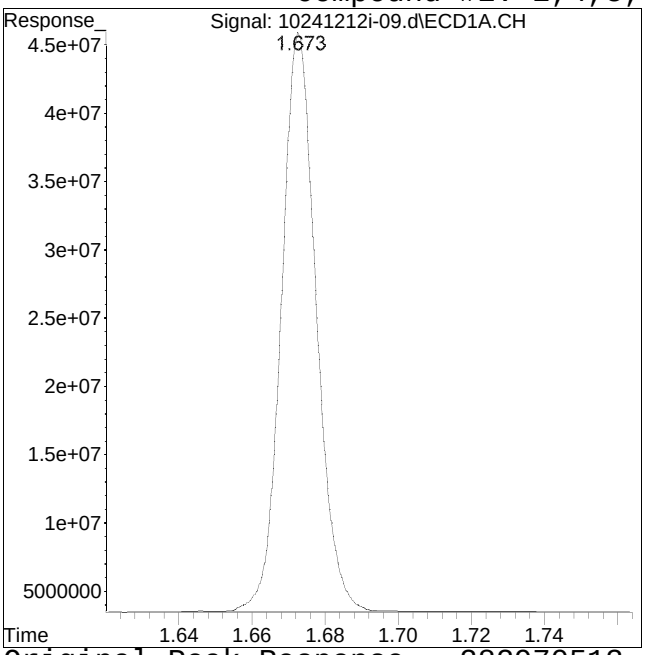


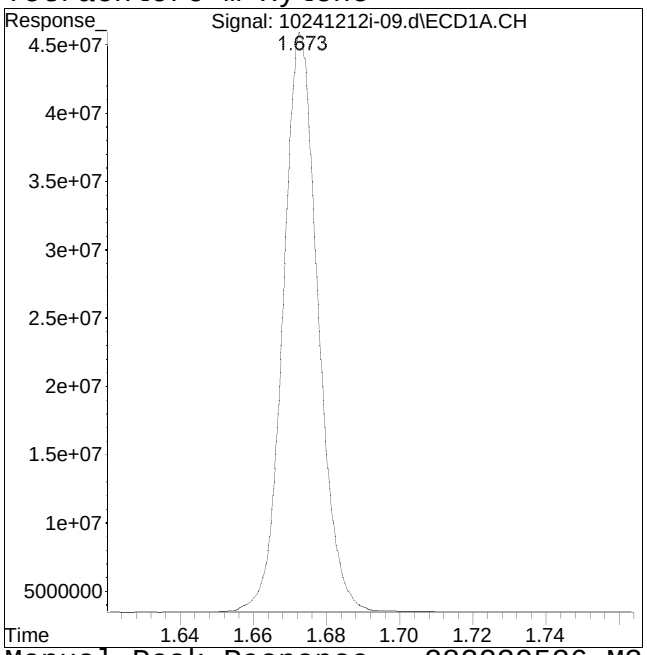
Original Peak Response = 75023865 Manual Peak Response = 74931148 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-09.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:51 Instrument : Pest 10
Sample : il8pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 9:21 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



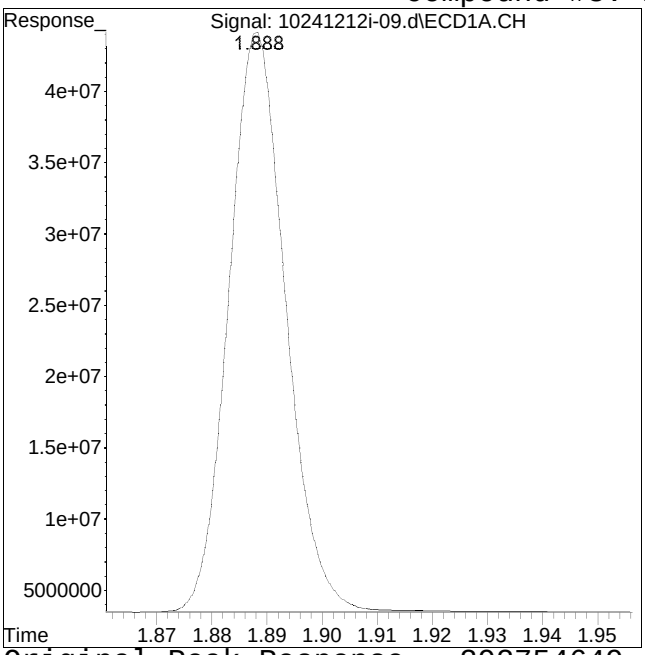


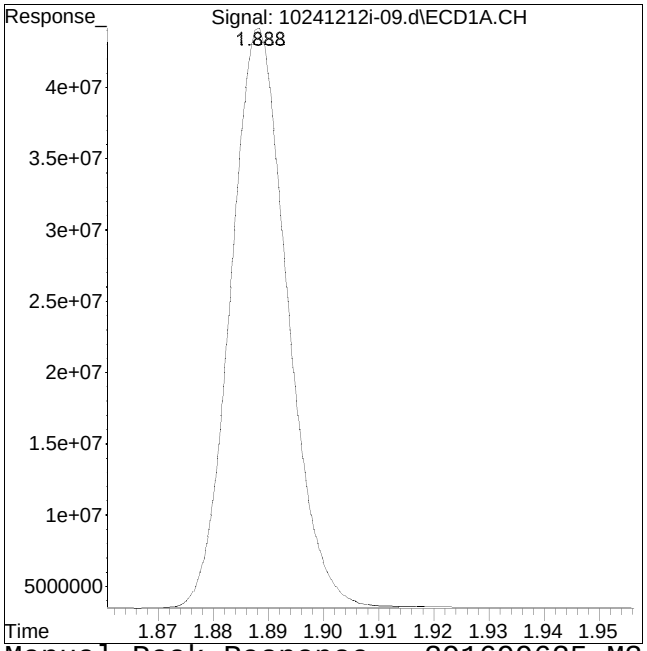
Original Peak Response = 282970513 Manual Peak Response = 282239536 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-09.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:51 Instrument : Pest 10
Sample : il8pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 9:21 am

Compound #3: Hexachlorobenzene



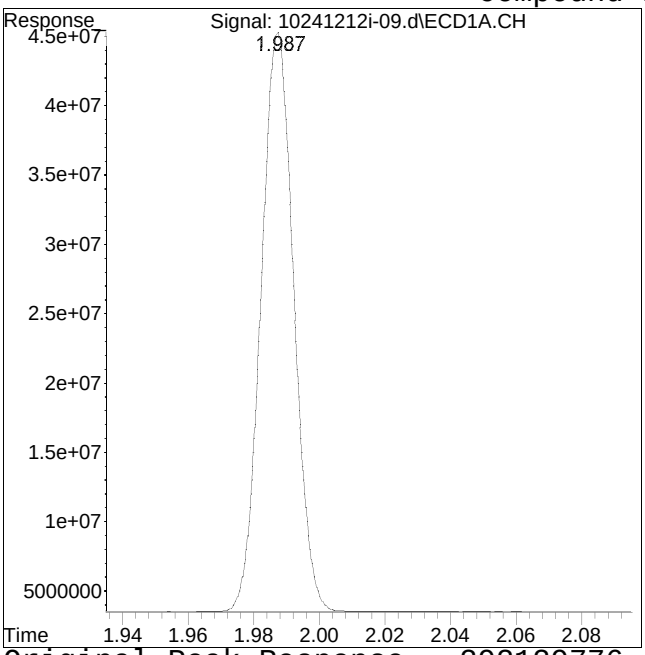


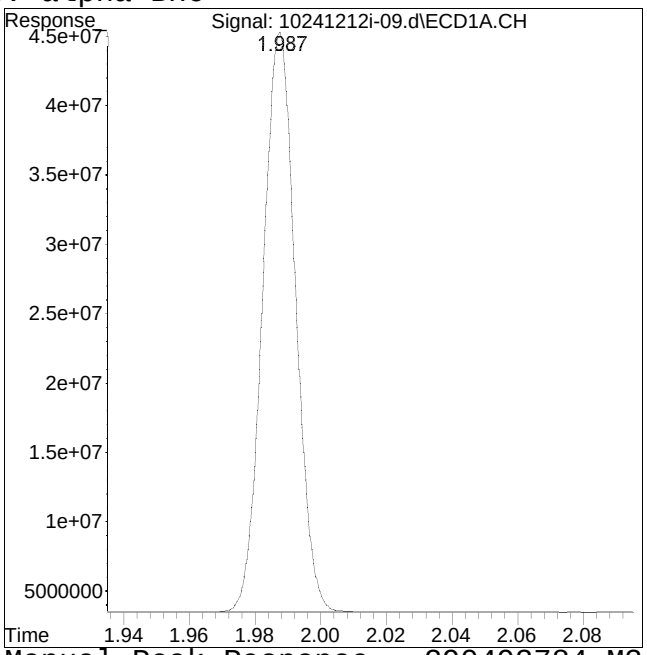
Original Peak Response = 292754649 Manual Peak Response = 291699625 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-09.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:51 Instrument : Pest 10
Sample : il8pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 9:21 am

Compound #4: alpha-BHC



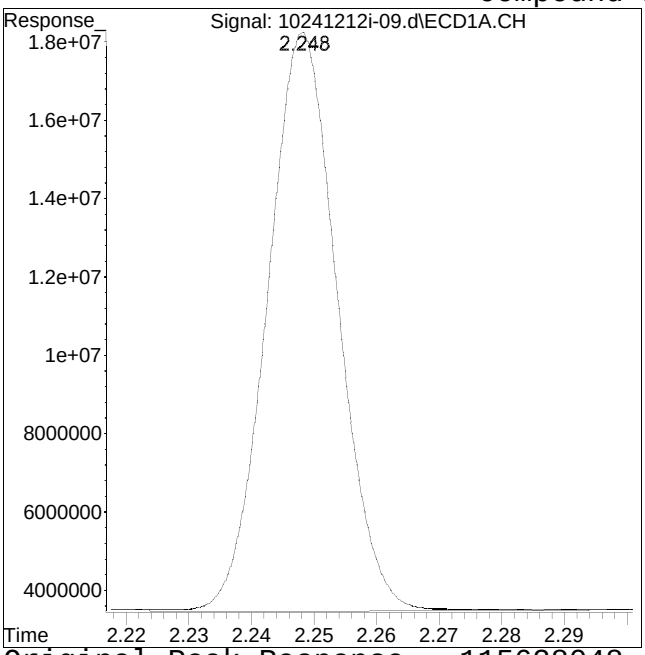


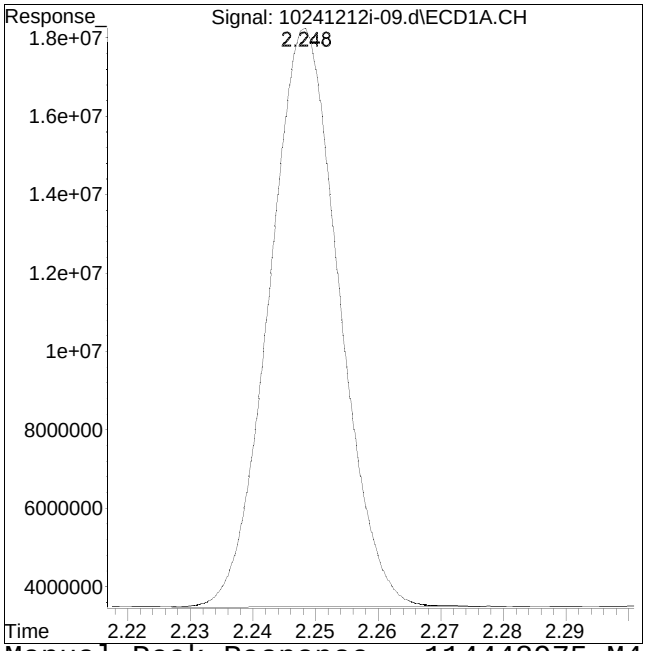
Original Peak Response = 292129776 Manual Peak Response = 290493784 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-09.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:51 Instrument : Pest 10
Sample : il8pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 9:21 am

Compound #6: beta-BHC



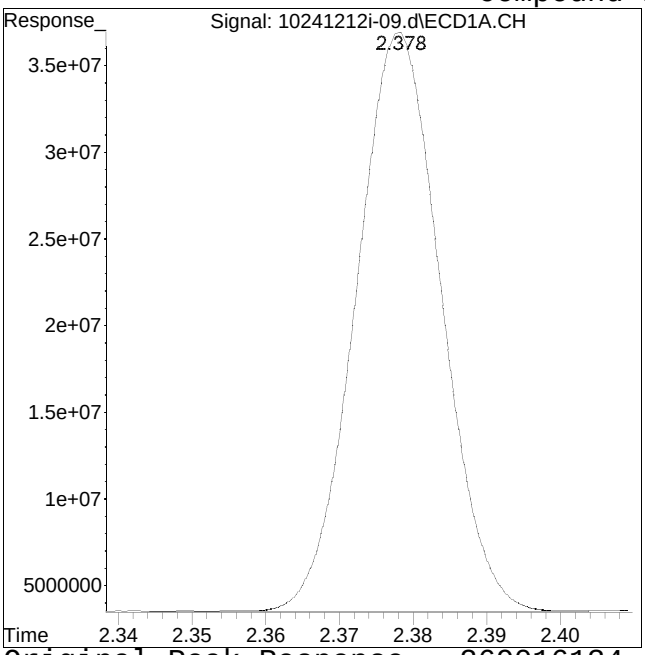


Original Peak Response = 115628048 Manual Peak Response = 114448975 M4
M4 = Poor automated baseline construction.

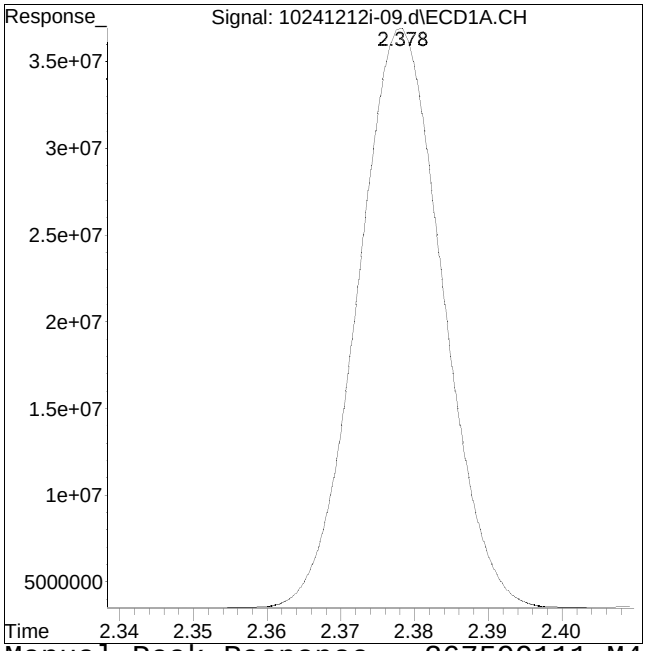
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-09.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:51 Instrument : Pest 10
Sample : il8pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 9:21 am

Compound #7: delta-BHC



Original Peak Response = 269016134



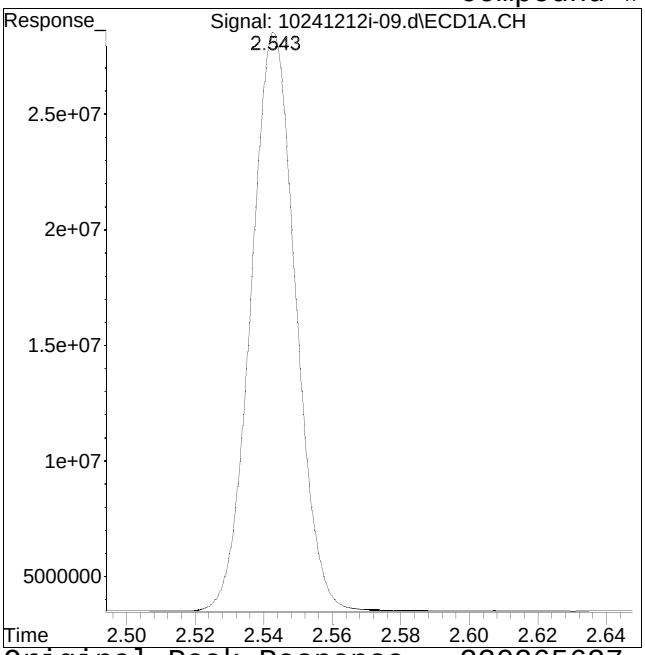
Manual Peak Response = 267599111 M4

M4 = Poor automated baseline construction.

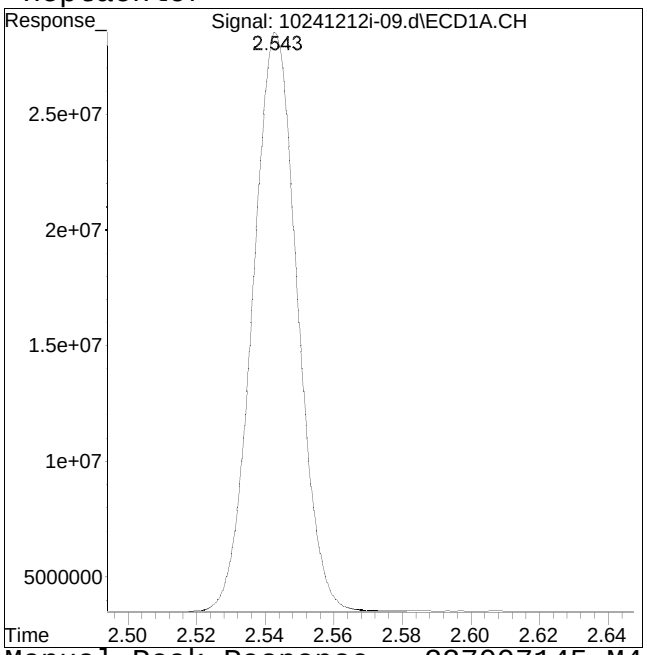
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-09.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:51 Instrument : Pest 10
Sample : il8pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 9:21 am

Compound #8: Heptachlor



Original Peak Response = 230265637

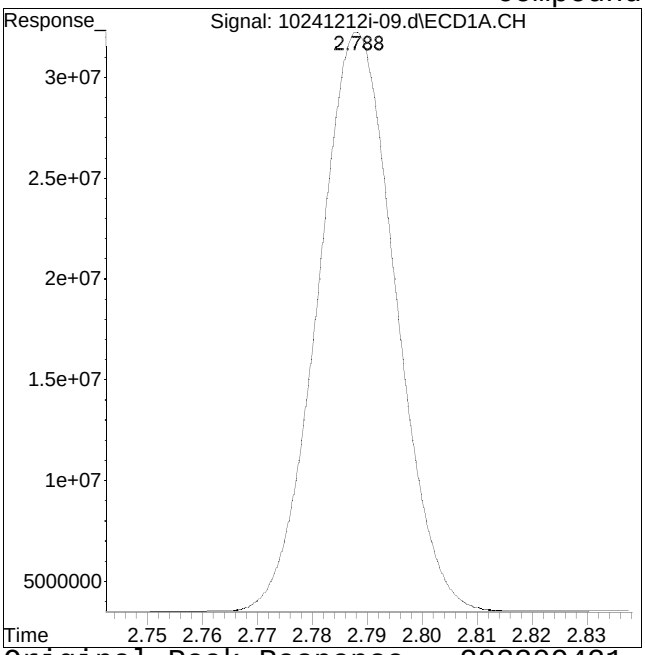


Manual Peak Response = 227007145 M4
M4 = Poor automated baseline construction.

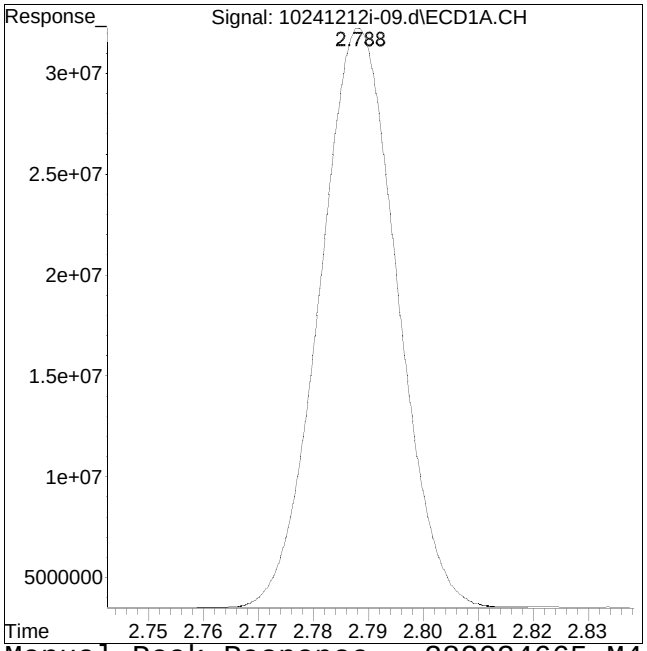
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-09.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:51 Instrument : Pest 10
Sample : il8pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 9:21 am

Compound #9: Aldrin



Original Peak Response = 283309421

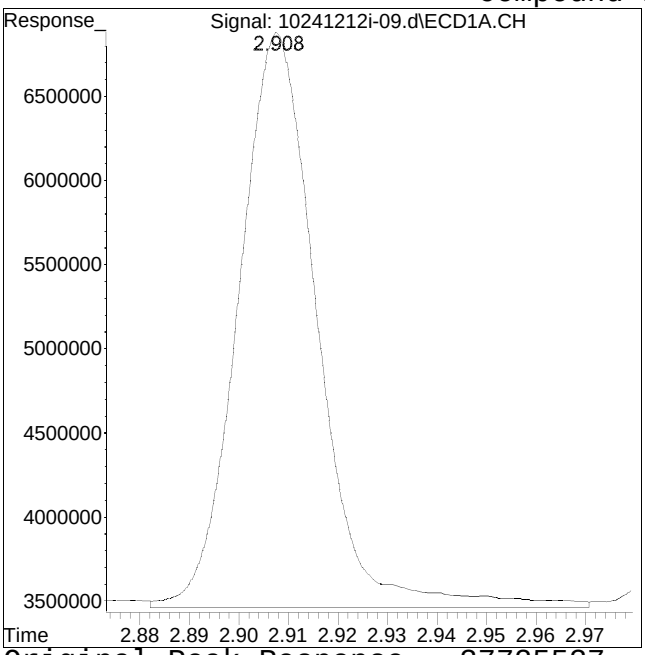


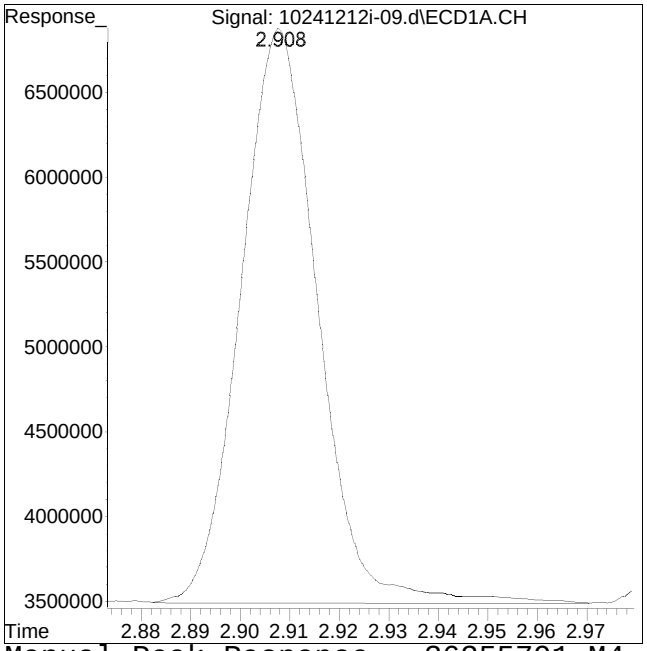
Manual Peak Response = 282034665 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-09.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:51 Instrument : Pest 10
Sample : il8pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 9:21 am

Compound #10: Alachlor



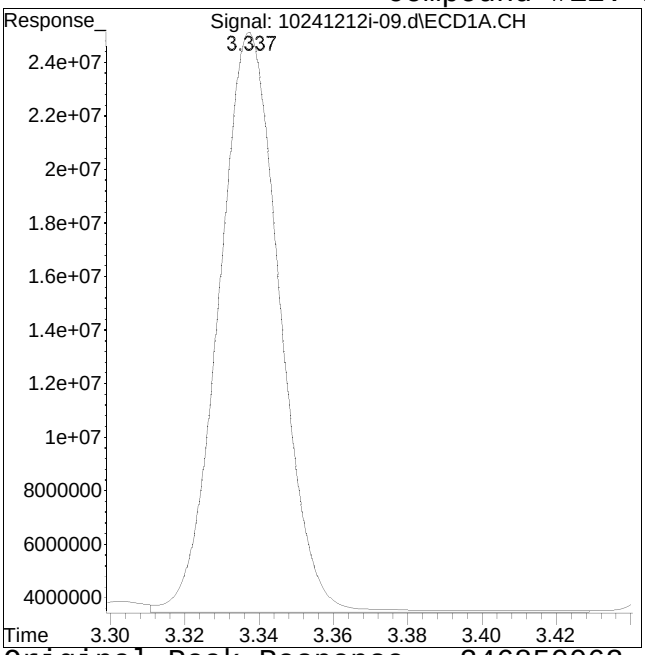


Original Peak Response = 37725537 Manual Peak Response = 36355791 M4
M4 = Poor automated baseline construction.

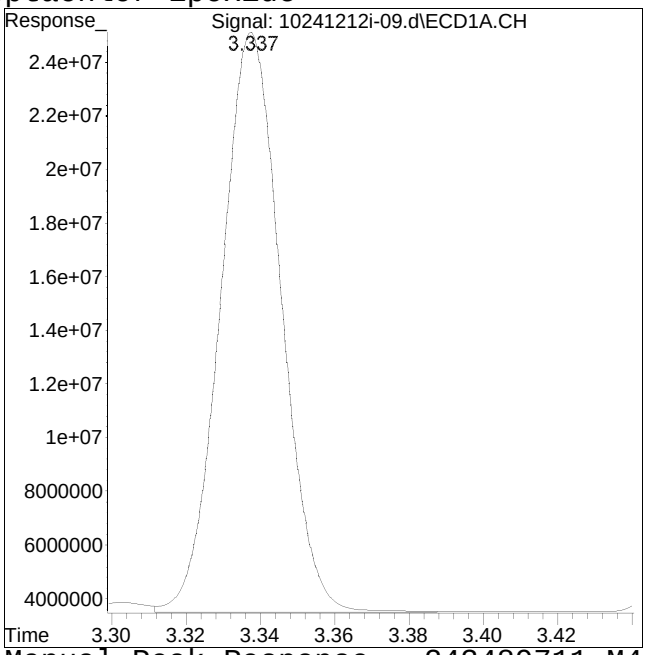
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-09.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:51 Instrument : Pest 10
Sample : il8pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 9:21 am

Compound #12: Heptachlor Epoxide



Original Peak Response = 246850062



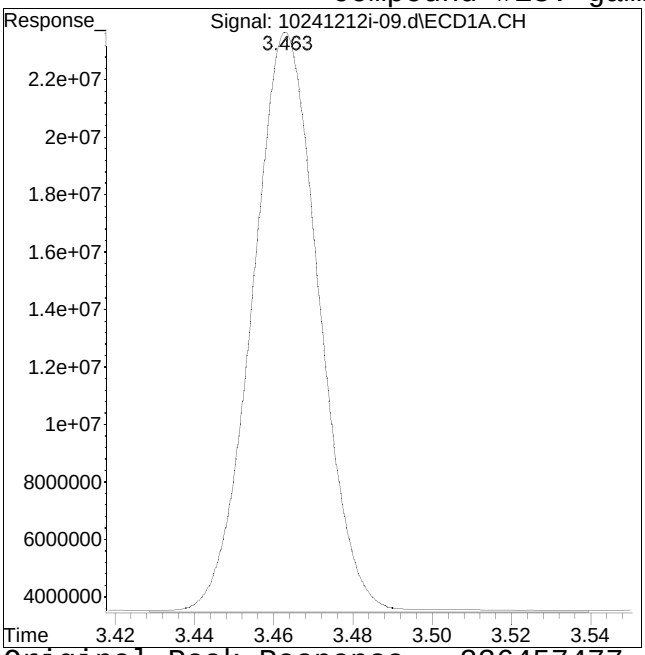
Manual Peak Response = 243489711 M4

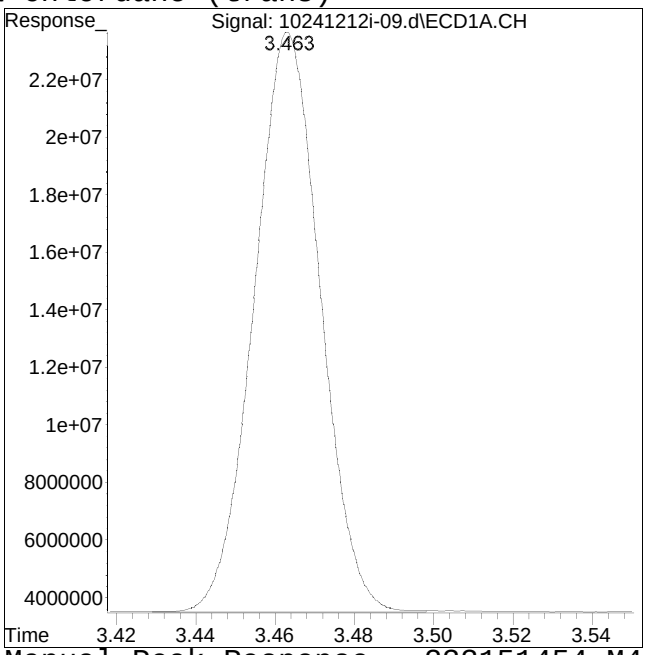
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-09.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:51 Instrument : Pest 10
Sample : il8pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 9:21 am

Compound #13: gamma-Chlordane (trans)



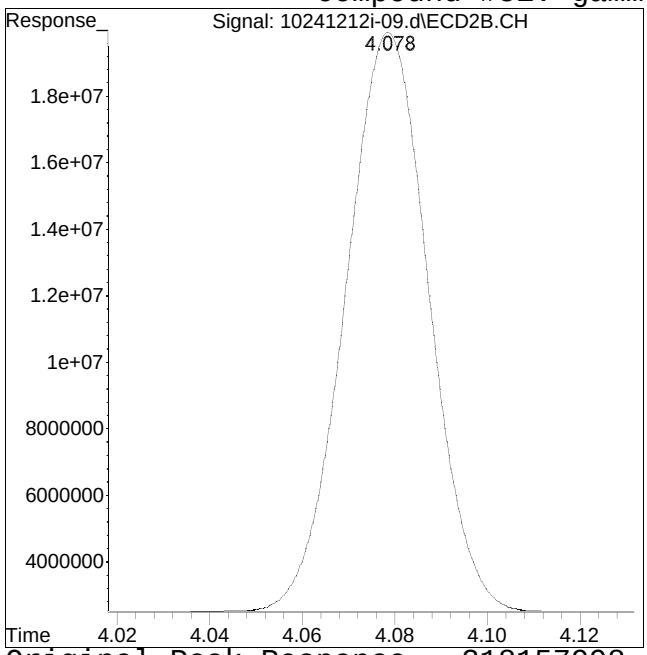


Original Peak Response = 236457477 Manual Peak Response = 233151454 M4
M4 = Poor automated baseline construction.

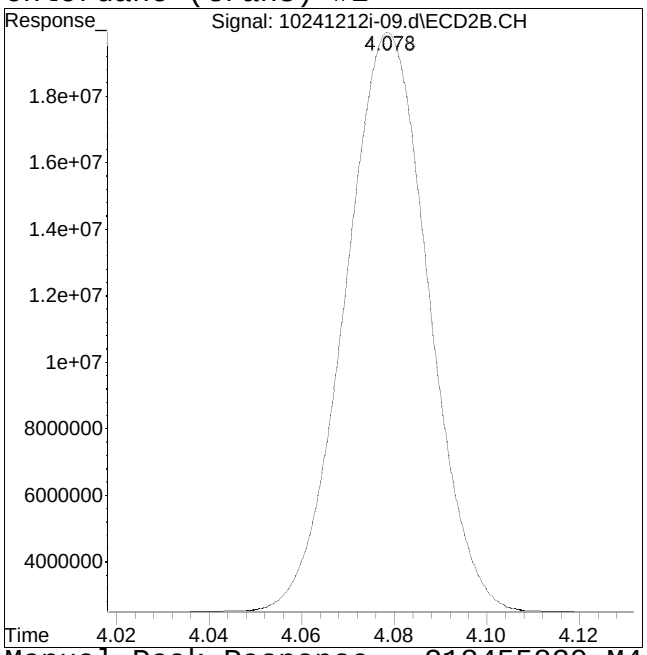
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-09.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:51 Instrument : Pest 10
Sample : il8pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 9:21 am

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 218157998



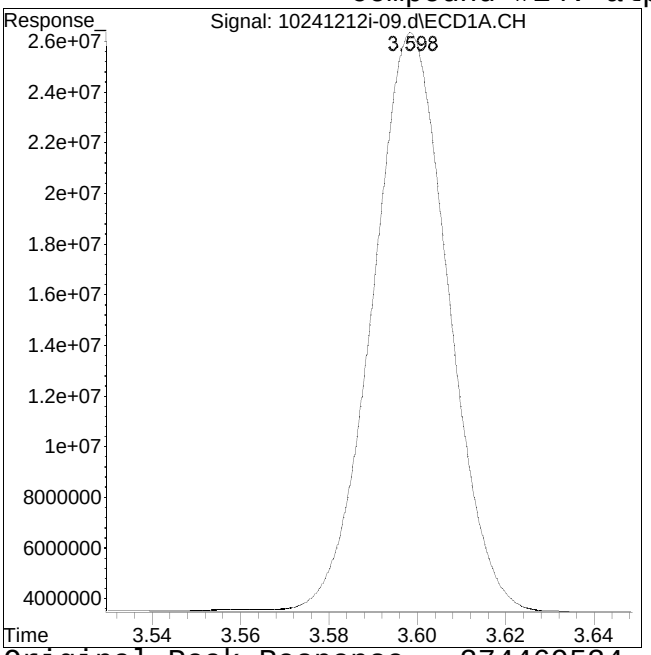
Manual Peak Response = 218455820 M4

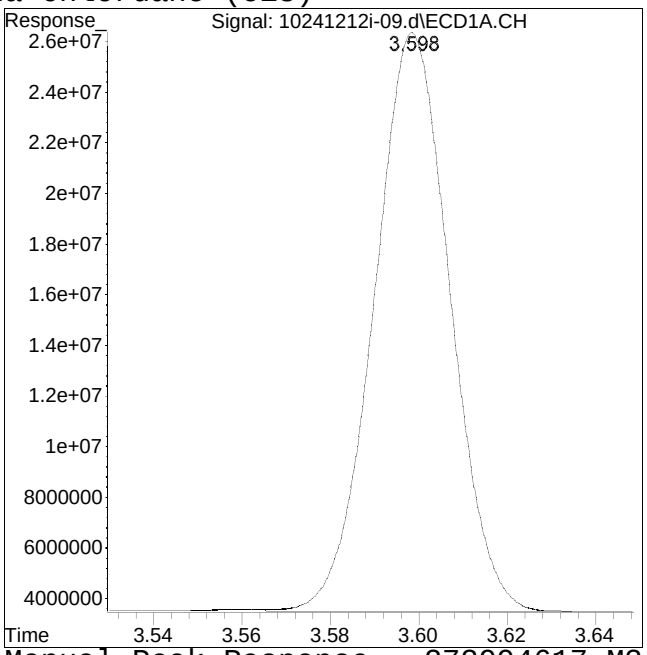
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-09.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:51 Instrument : Pest 10
Sample : il8pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 9:21 am

Compound #14: alpha-Chlordane (cis)



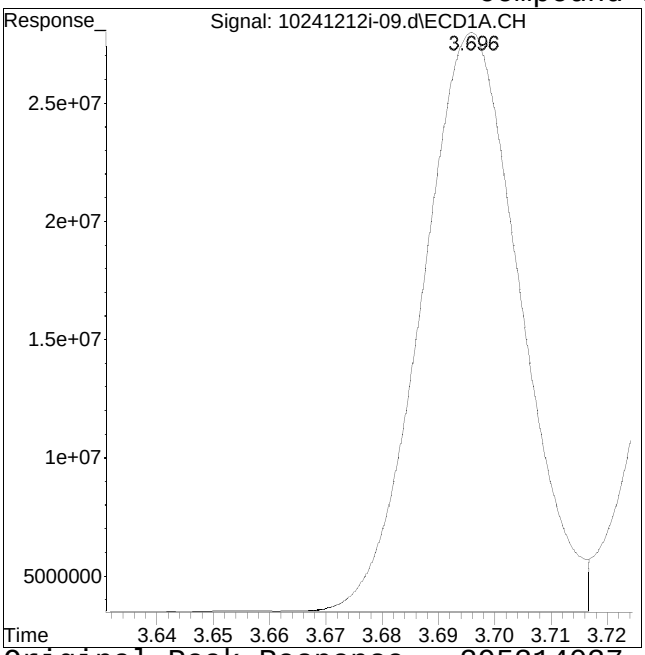


Original Peak Response = 274469534 Manual Peak Response = 272994617 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

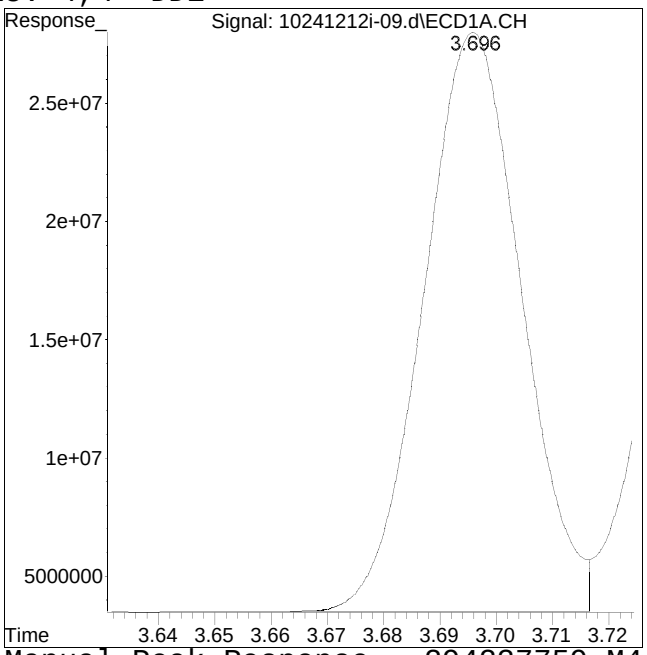
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-09.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:51 Instrument : Pest 10
Sample : il8pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 9:21 am

Compound #15: 4,4'-DDE



Original Peak Response = 295314037



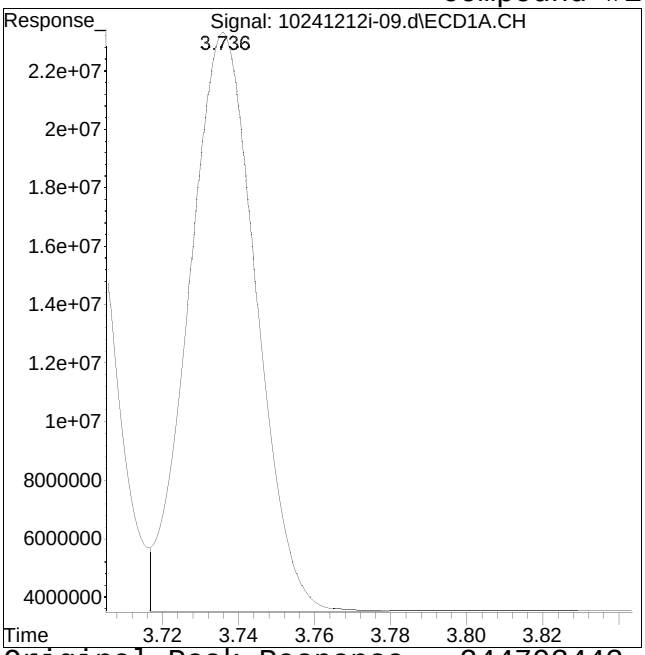
Manual Peak Response = 294237759 M4

M4 = Poor automated baseline construction.

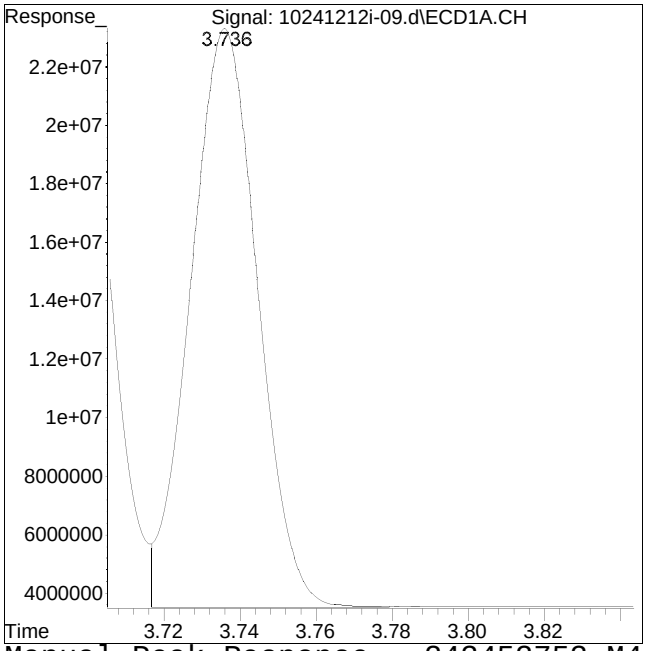
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-09.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:51 Instrument : Pest 10
Sample : il8pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 9:21 am

Compound #16: Endosulfan I



Original Peak Response = 244793443



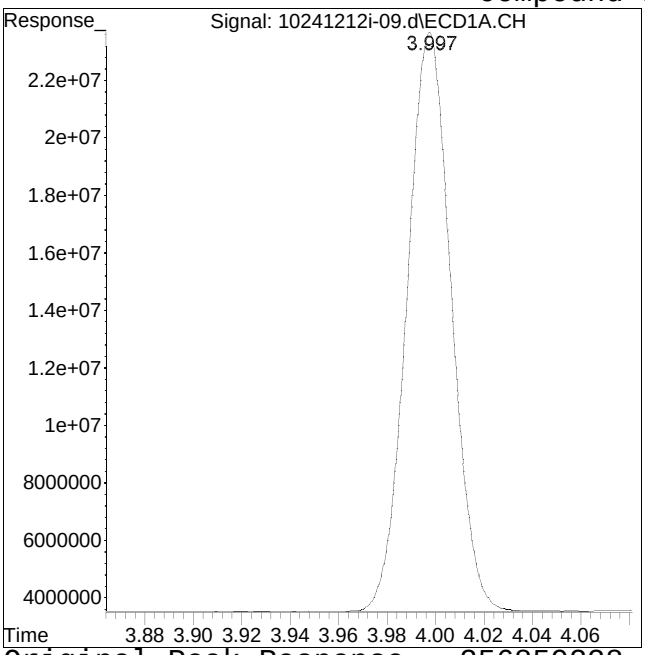
Manual Peak Response = 243453753 M4

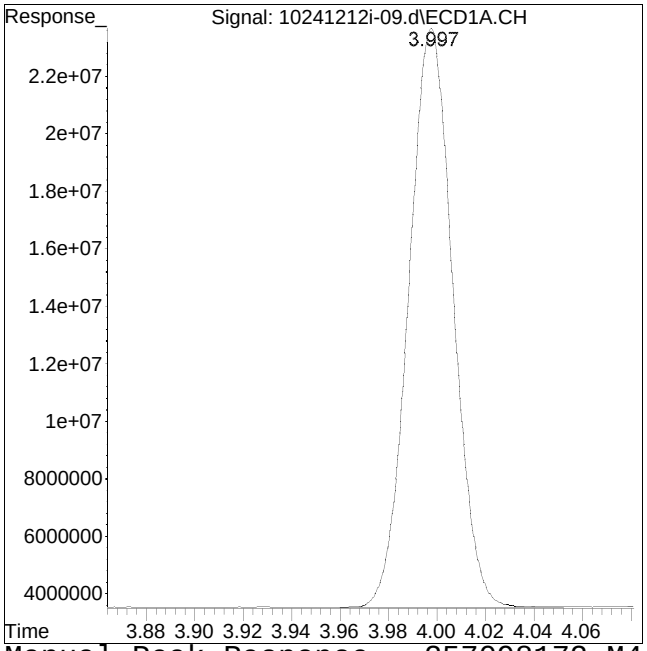
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-09.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:51 Instrument : Pest 10
Sample : il8pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 9:21 am

Compound #17: Dieldrin



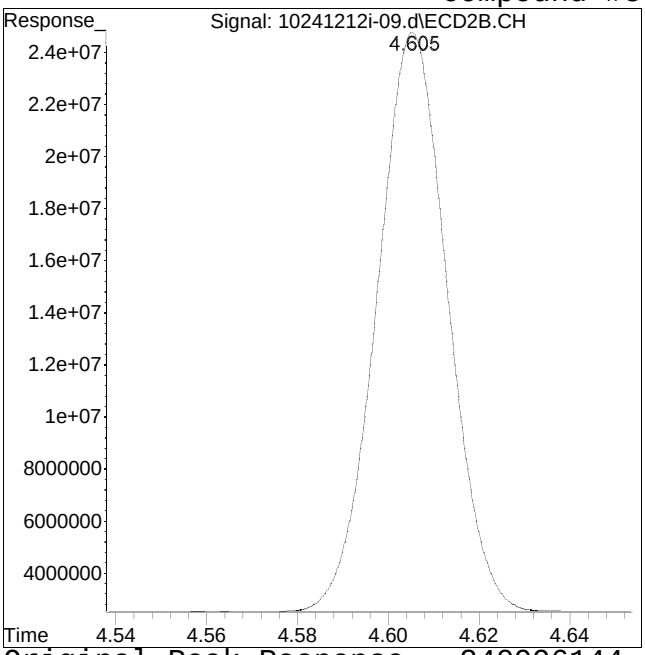


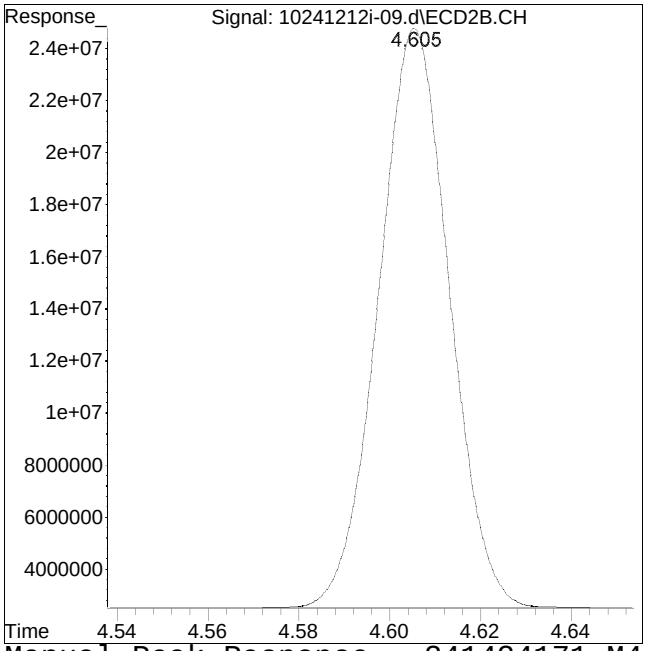
Original Peak Response = 256859228 Manual Peak Response = 257098172 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-09.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:51 Instrument : Pest 10
Sample : il8pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 9:21 am

Compound #55: Dieldrin #2



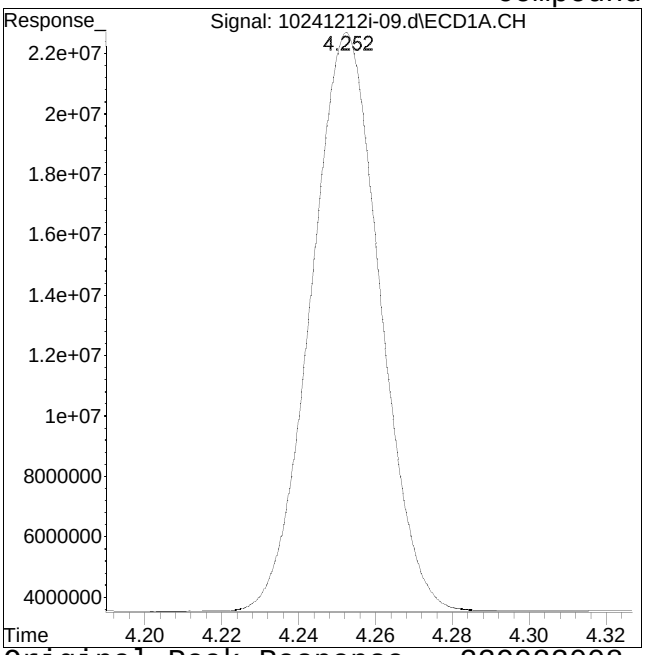


Original Peak Response = 240996144 Manual Peak Response = 241424171 M4
M4 = Poor automated baseline construction.

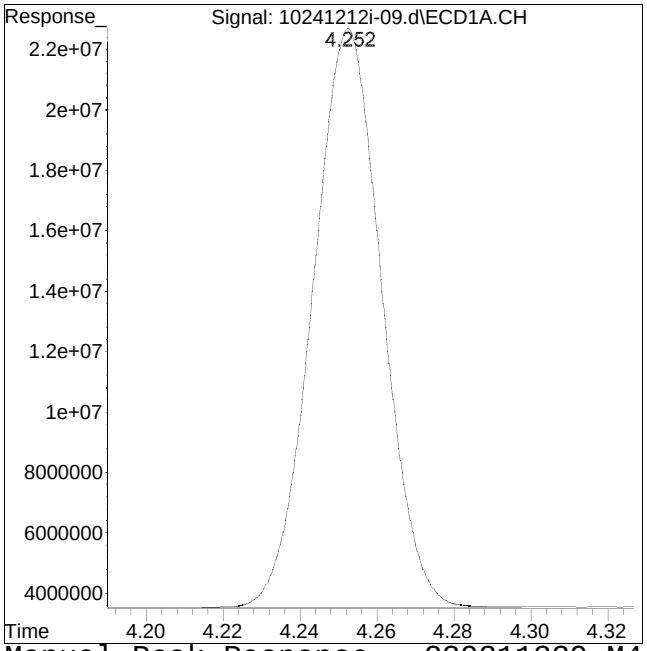
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-09.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:51 Instrument : Pest 10
Sample : il8pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 9:21 am

Compound #18: Endrin



Original Peak Response = 239923008



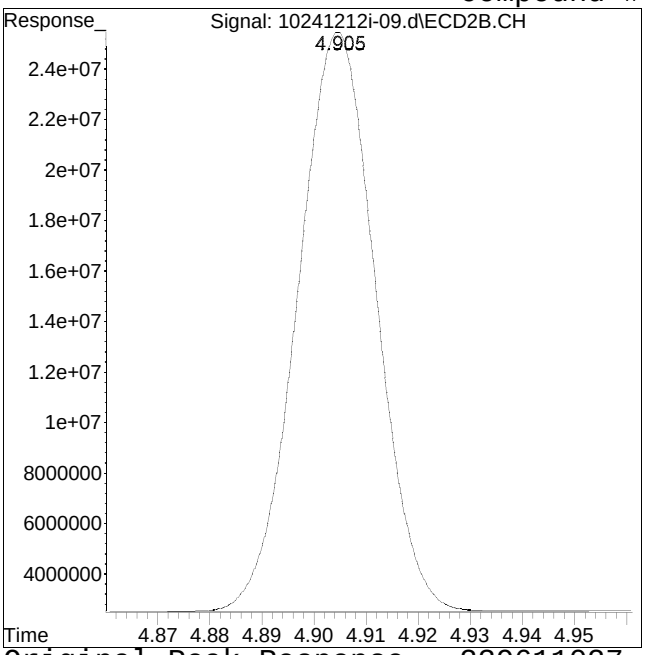
Manual Peak Response = 239311339 M4

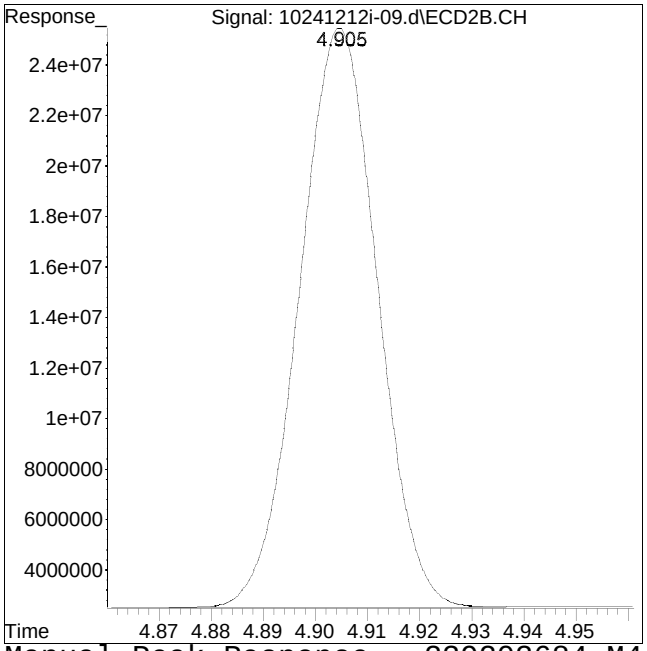
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-09.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:51 Instrument : Pest 10
Sample : il8pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 9:21 am

Compound #56: Endrin #2



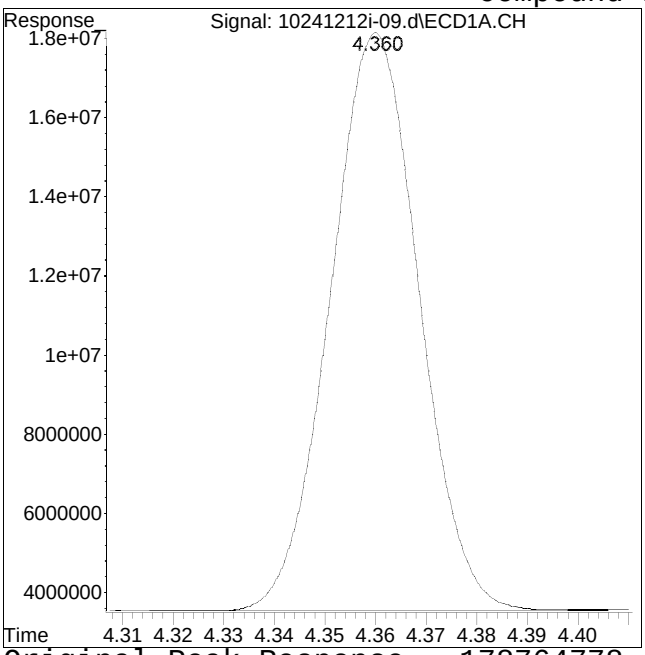


Original Peak Response = 239611027 Manual Peak Response = 239203684 M4
M4 = Poor automated baseline construction.

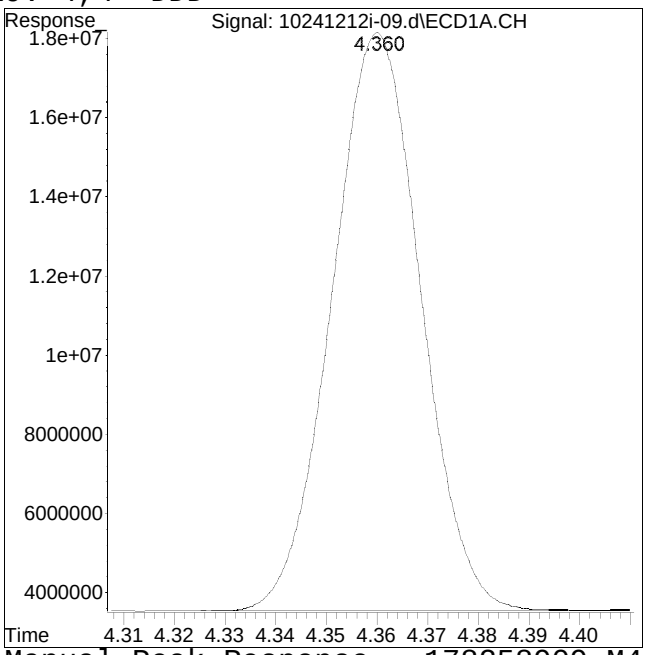
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-09.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:51 Instrument : Pest 10
Sample : il8pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 9:21 am

Compound #19: 4,4'-DDD



Original Peak Response = 178764778



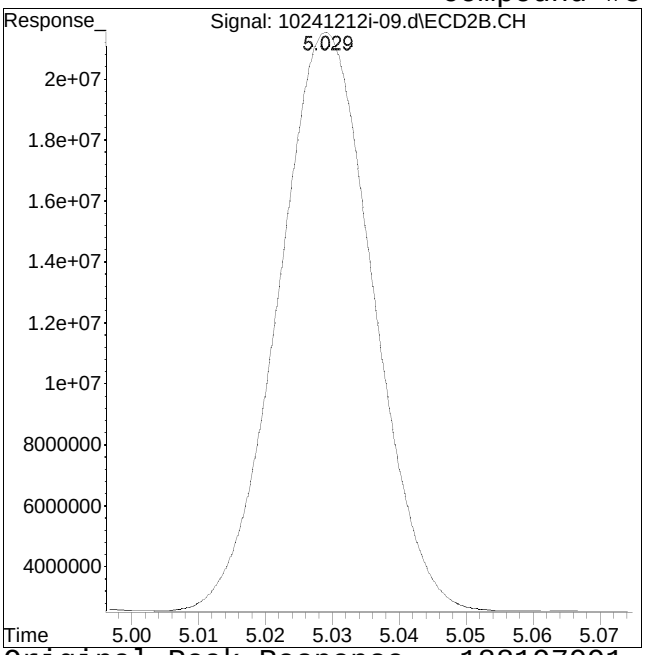
Manual Peak Response = 178258909 M4

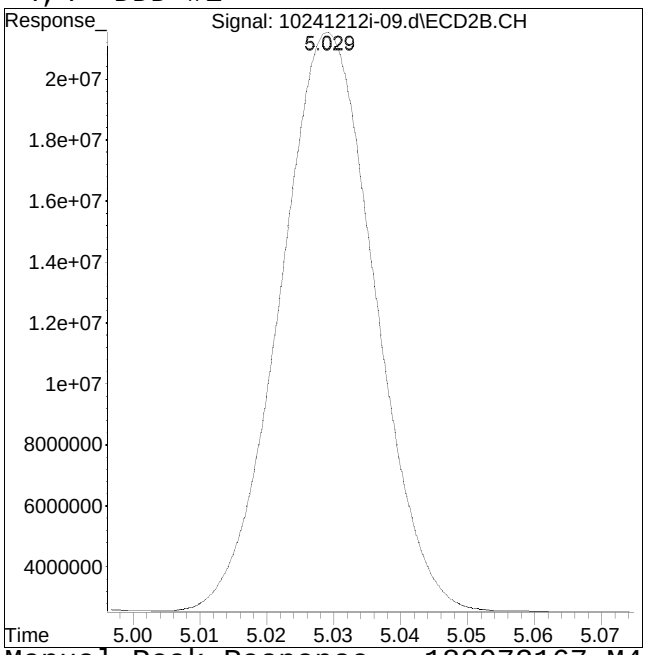
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-09.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:51 Instrument : Pest 10
Sample : il8pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 9:21 am

Compound #57: 4,4'-DDD #2



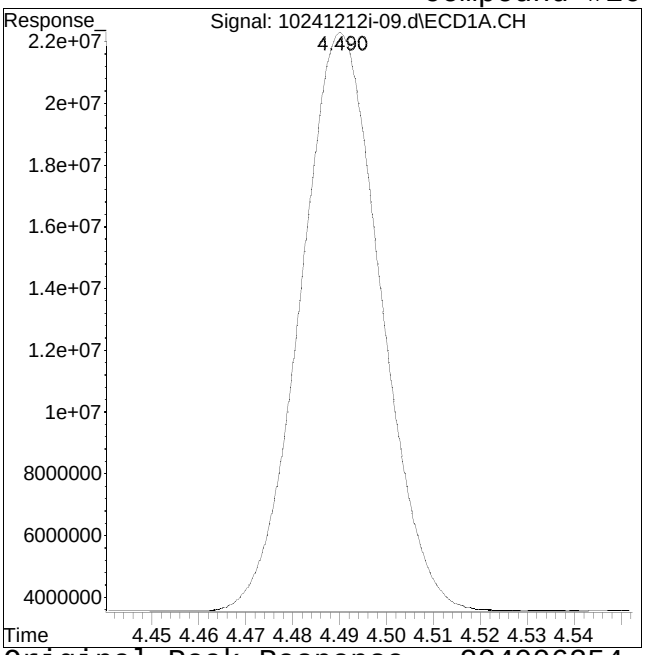


Original Peak Response = 188197991 Manual Peak Response = 188073167 M4
M4 = Poor automated baseline construction.

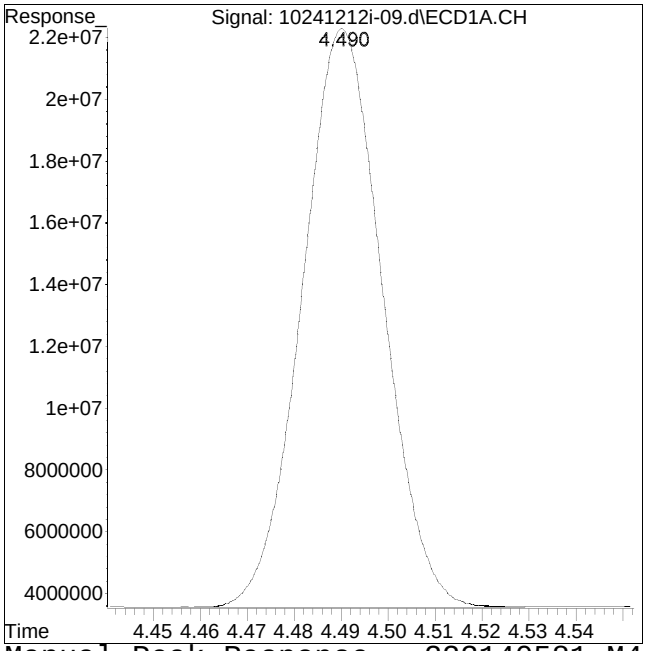
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-09.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:51 Instrument : Pest 10
Sample : il8pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 9:21 am

Compound #20: Endosulfan II



Original Peak Response = 224006354



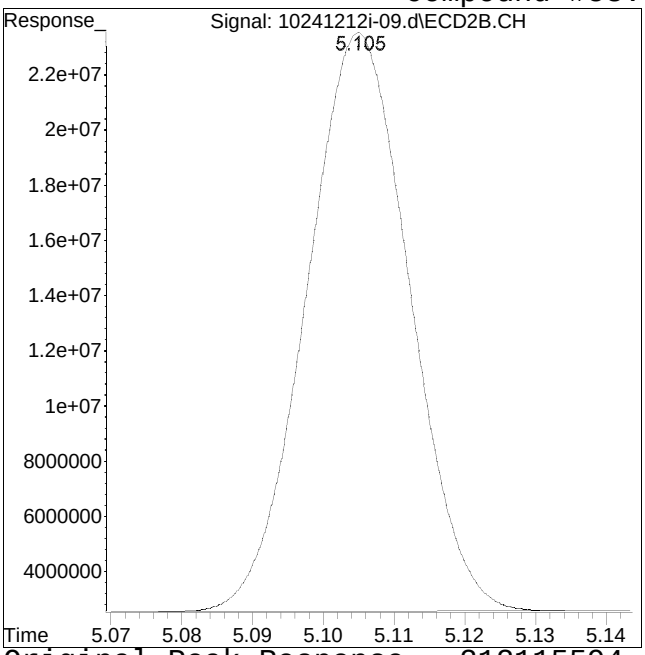
Manual Peak Response = 223140581 M4

M4 = Poor automated baseline construction.

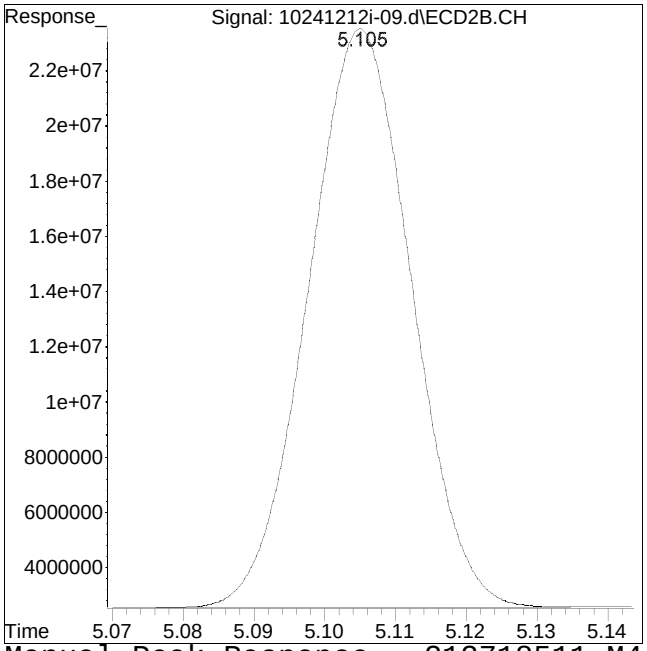
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-09.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:51 Instrument : Pest 10
Sample : il8pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 9:21 am

Compound #58: Endosulfan II #2



Original Peak Response = 212115594

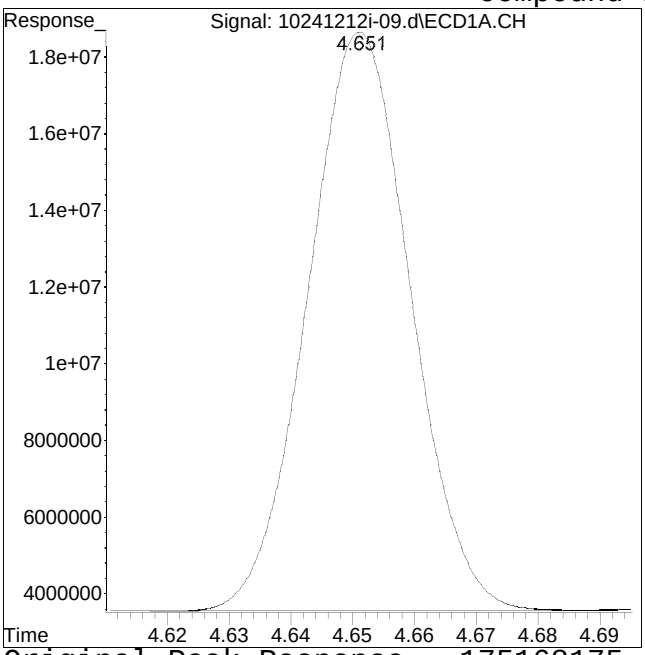


Manual Peak Response = 212718511 M4
M4 = Poor automated baseline construction.

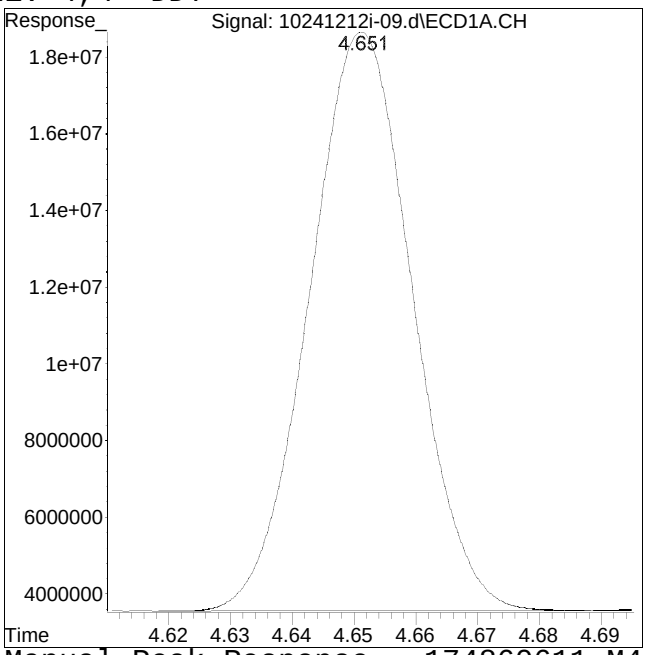
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-09.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:51 Instrument : Pest 10
Sample : il8pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 9:21 am

Compound #21: 4,4'-DDT



Original Peak Response = 175168175

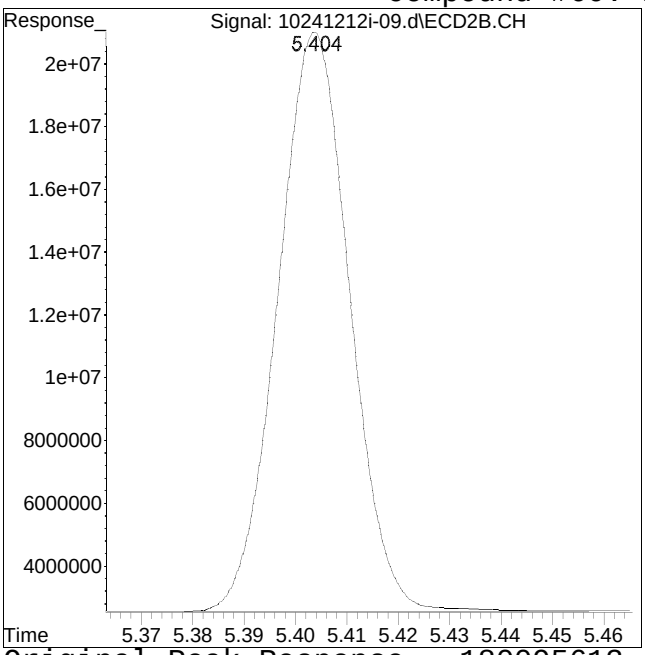


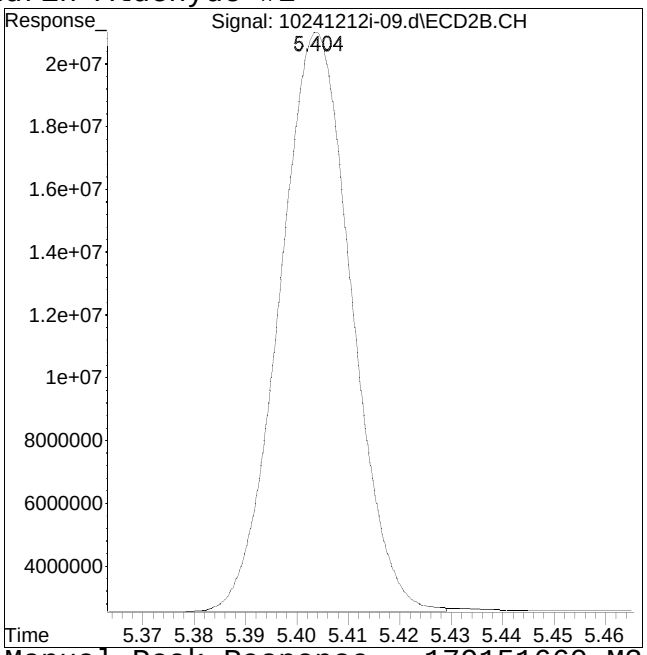
Manual Peak Response = 174860611 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-09.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:51 Instrument : Pest 10
Sample : il8pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 9:21 am

Compound #60: Endrin Aldehyde #2



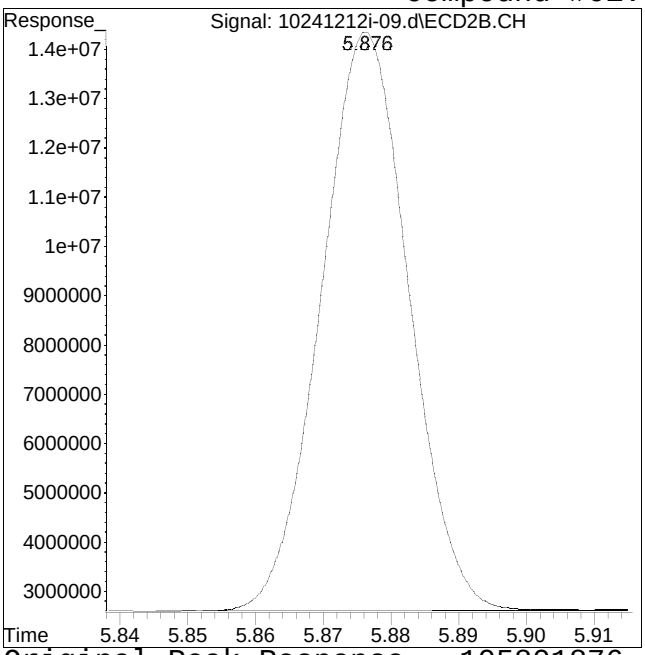


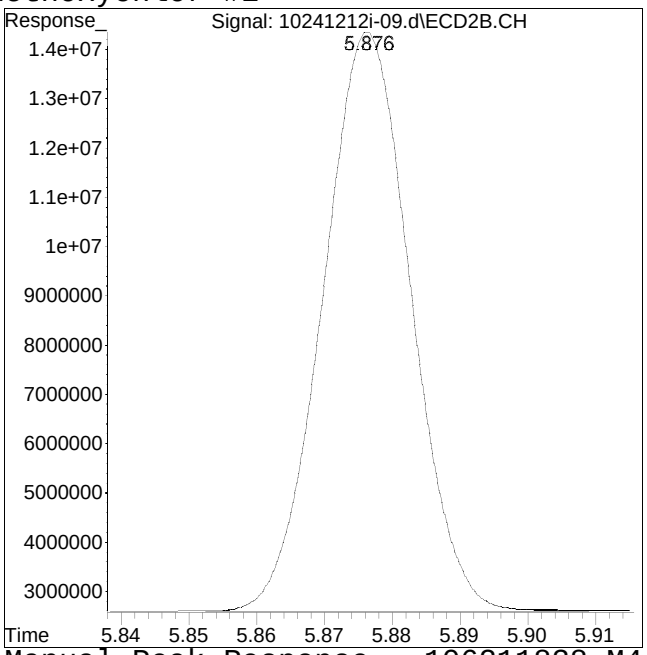
Original Peak Response = 180095613 Manual Peak Response = 179151660 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-09.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:51 Instrument : Pest 10
Sample : il8pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 9:21 am

Compound #61: Methoxychlor #2



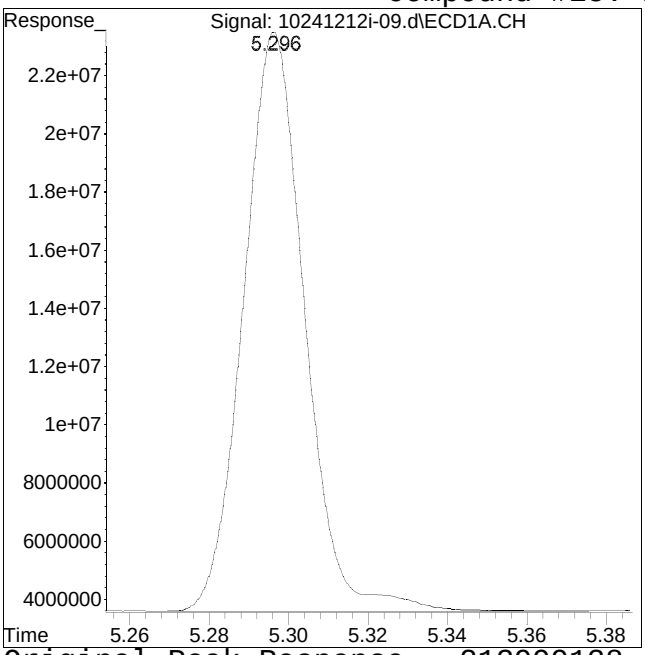


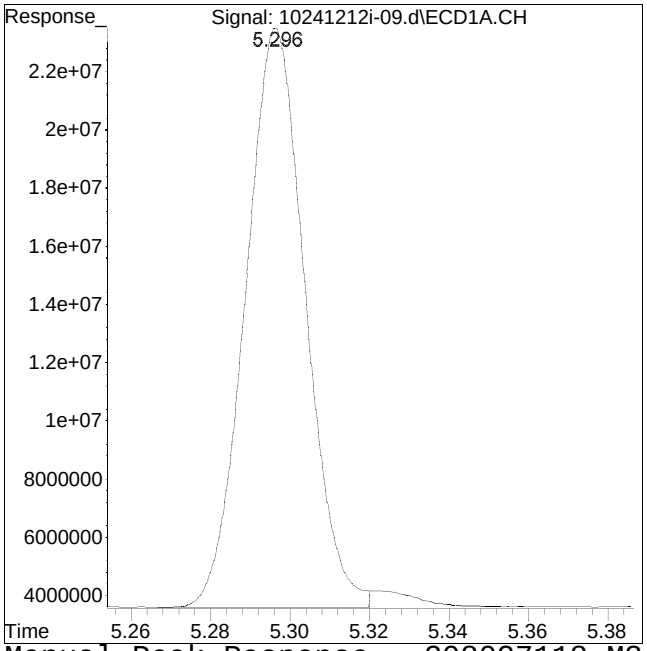
Original Peak Response = 105801876 Manual Peak Response = 106211838 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-09.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:51 Instrument : Pest 10
Sample : il8pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 9:21 am

Compound #25: Endosulfan Sulfate



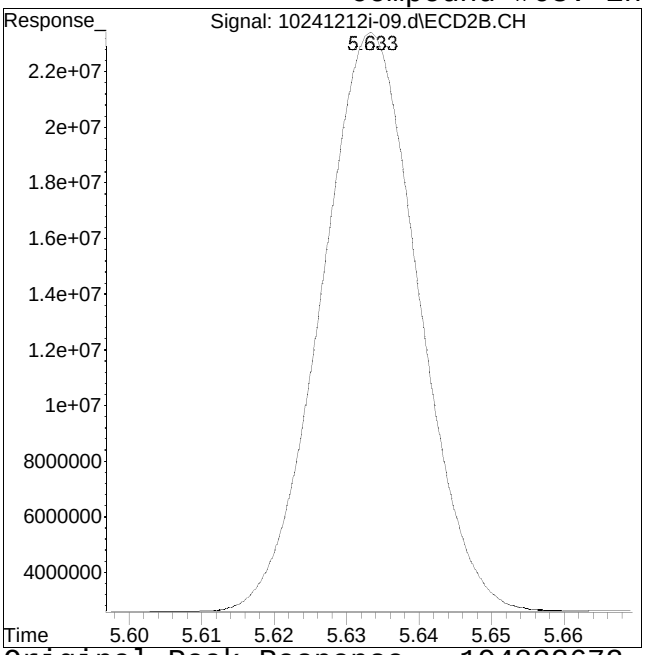


Original Peak Response = 213999138 Manual Peak Response = 208027118 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

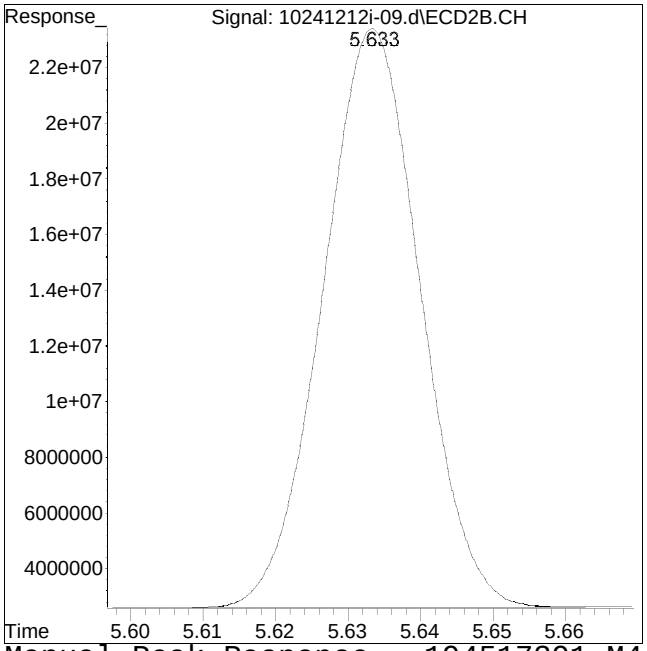
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-09.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:51 Instrument : Pest 10
Sample : il8pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 9:21 am

Compound #63: Endosulfan Sulfate #2



Original Peak Response = 194822672

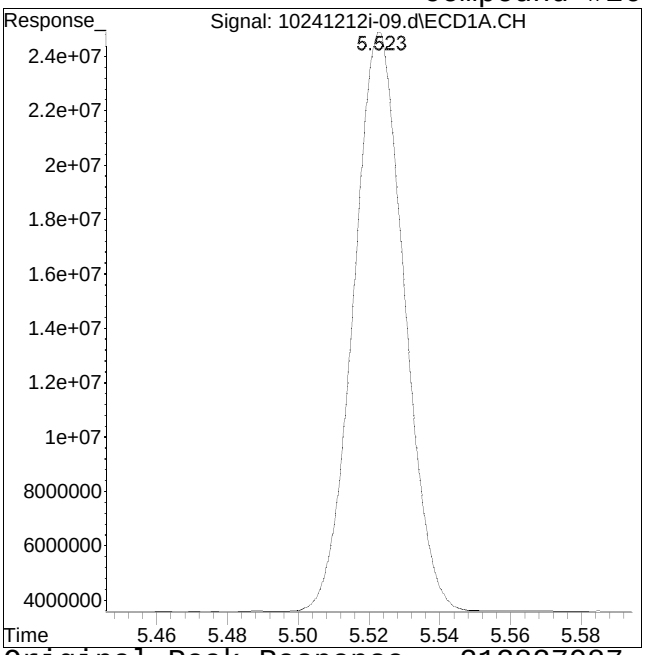


Manual Peak Response = 194517391 M4
M4 = Poor automated baseline construction.

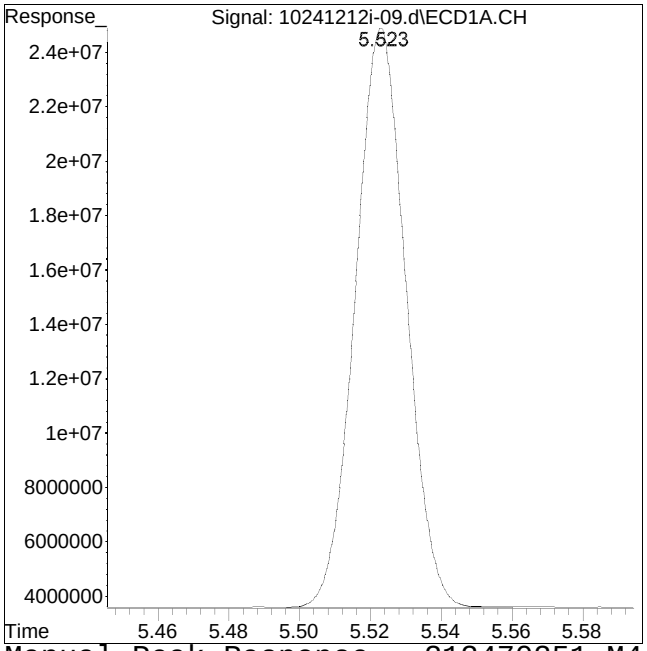
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-09.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:51 Instrument : Pest 10
Sample : il8pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 9:21 am

Compound #26: Endrin Ketone



Original Peak Response = 212827987



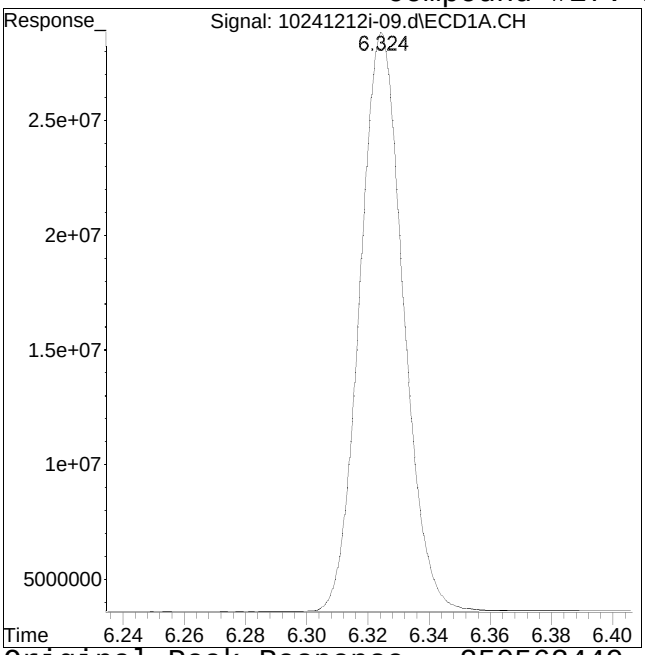
Manual Peak Response = 212470251 M4

M4 = Poor automated baseline construction.

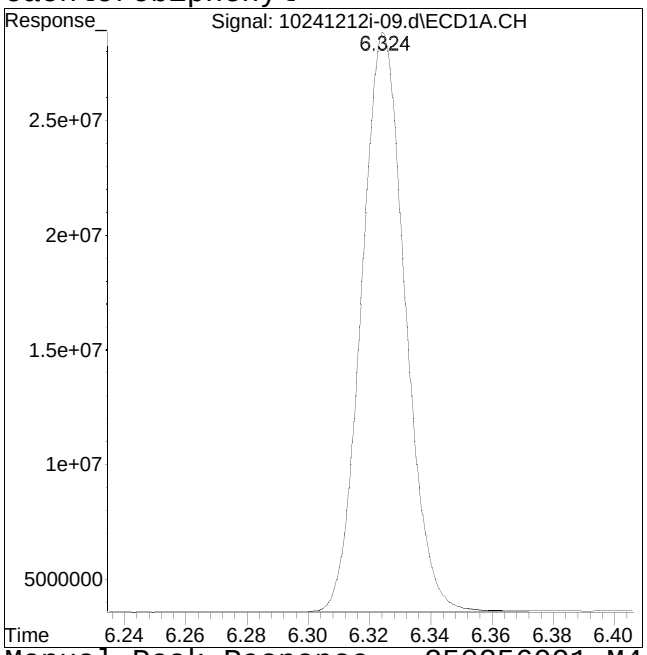
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-09.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:51 Instrument : Pest 10
Sample : il8pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 9:21 am

Compound #27: Decachlorobiphenyl



Original Peak Response = 250562440

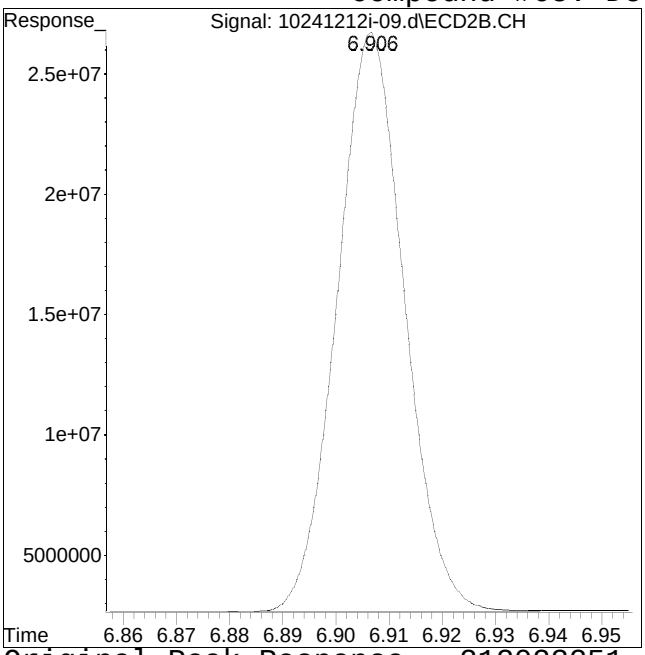


Manual Peak Response = 250256091 M4
M4 = Poor automated baseline construction.

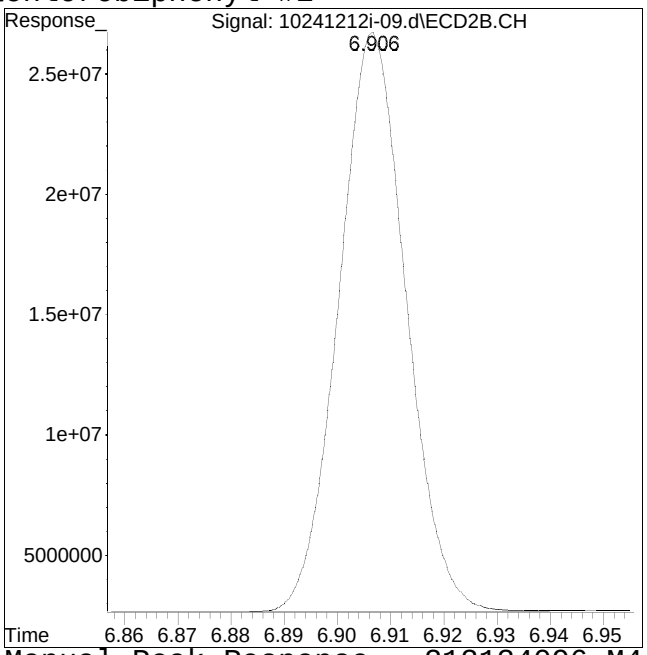
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-09.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 20:51 Instrument : Pest 10
Sample : il8pest,42e,,pp 11929 L0.0Quant Date : 12/13/2024 9:21 am

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 212023251



Manual Peak Response = 212134096 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 21:03
Operator : PEST10:ejl
Sample : il9pest,42e,,pp 11929 L0.1
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 09:27:31 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 09:27:24 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.326	1.366	79072909	74105521	25.000M3	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.673	1.837	521.0E6	383.8E6	94.746M3	98.094M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		189.49%#	196.19%#
27) s	Decachlorobi	6.325	6.907	469.2E6	406.6E6	96.232M4	96.907M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		192.46%#	193.81%#
	Target Compounds						
3) t	Hexachlorobe	1.889	2.155	537.3E6	411.6E6	94.540M3	98.227
4) t	alpha-BHC	1.988	2.250	548.5E6	552.1E6	96.908M4	101.461M3
5) t	gamma-BHC (l	2.193	2.533	478.8E6	495.3E6	96.561M3	101.673M4
6) t	beta-BHC	2.249	2.598	218.6E6	211.4E6	98.061M4	100.496M3
7) t	delta-BHC	2.379	2.864	514.5E6	516.4E6	98.691M4	102.773
8) t	Heptachlor	2.545	2.928	431.6E6	472.5E6	97.587	100.754M4
9) t	Aldrin	2.790	3.246	537.0E6	523.3E6	97.729	101.585M4
10) t	Alachlor	2.909	3.130	65791090	61518541	92.886M4	95.111M4
11) t	Chlorpyrifos	3.003	3.483	199.9E6	215.5E6	94.147	96.155
12) t	Heptachlor E	3.339	3.859	465.3E6	472.3E6	98.084M3	101.218M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 21:03
Operator : PEST10:ejl
Sample : il9pest,42e,,pp 11929 L0.1
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 09:27:31 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 09:27:24 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
13)	t	gamma-Chlord	3.465	4.079	449.7E6	440.3E6	99.006M3	101.889M4
14)	t	alpha-Chlord	3.600	4.251	520.4E6	500.5E6	97.851M3	100.968
15)	t	4,4'-DDE	3.698	4.451	561.2E6	524.7E6	97.908	101.542M4
16)	t	Endosulfan I	3.738	4.312	465.6E6	460.4E6	98.159M4	101.165M4
17)	t	Dieldrin	4.000	4.606	494.5E6	485.6E6	98.721M3	101.697M4
18)	t	Endrin	4.254	4.906	459.3E6	477.1E6	98.514M4	100.846
19)	t	4,4'-DDD	4.361	5.030	343.0E6	376.4E6	98.772M4	101.177
20)	t	Endosulfan I	4.492	5.105	428.2E6	422.0E6	98.506M4	100.306M4
21)	t	4,4'-DDT	4.653	5.309	337.4E6	398.4E6	99.032M4	100.355
22)	t	Endrin Aldeh	4.906	5.404	371.9E6	360.5E6	99.573M3	101.723
23)	t	Methoxychlor	5.139	5.877	170.7E6	206.7E6	96.538M4	98.389
24)	t	Mirex	5.197	6.011	341.0E6	345.8E6	96.073M3	96.792M4
25)	t	Endosulfan S	5.298	5.634	396.9E6	384.8E6	97.930M3	100.010
26)	t	Endrin Keton	5.524	6.047	403.1E6	436.4E6	97.392M4	98.953M4
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32)	l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 21:03
Operator : PEST10:ejl
Sample : il9pest,42e,,pp 11929 L0.1
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 09:27:31 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 09:27:24 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Sum chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

	Sum toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

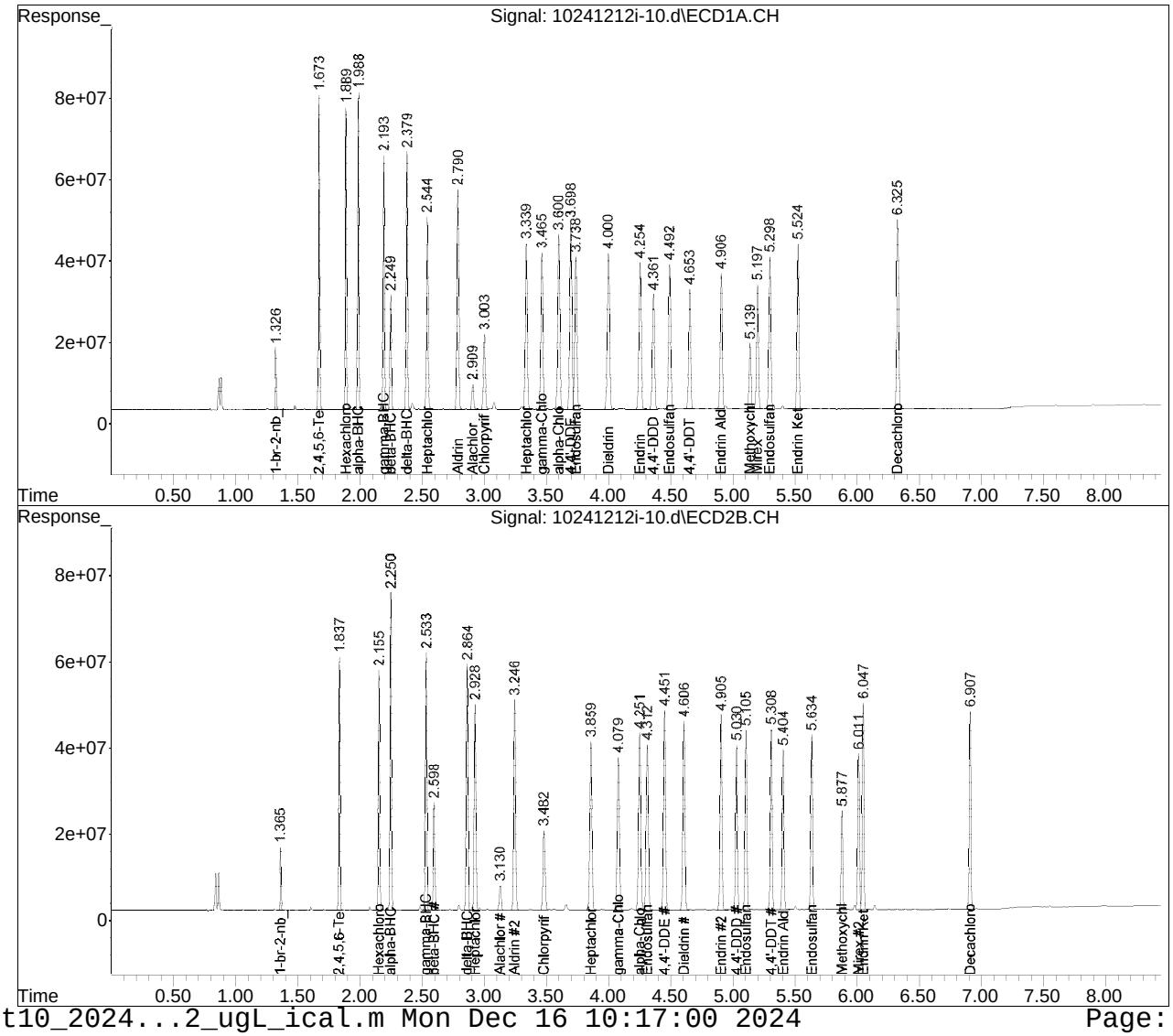
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 21:03
Operator : PEST10:ejl
Sample : il9pest,42e,,pp 11929 L0.1
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 09:27:31 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 09:27:24 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

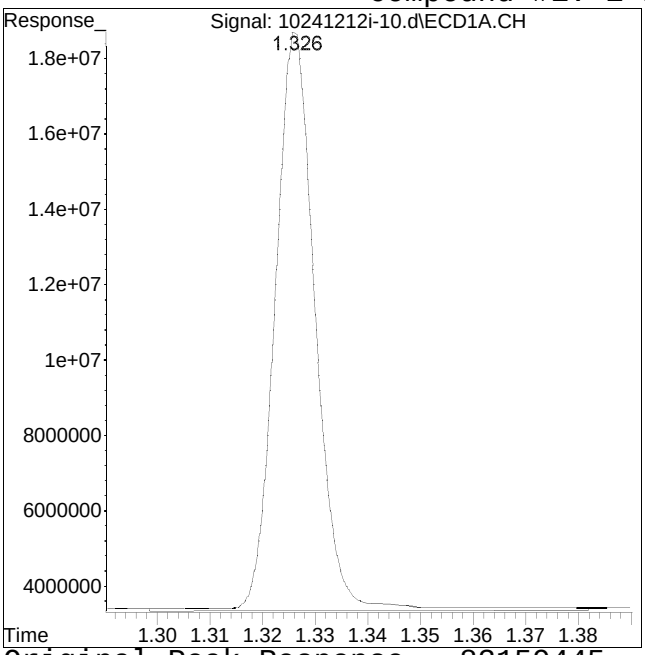
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

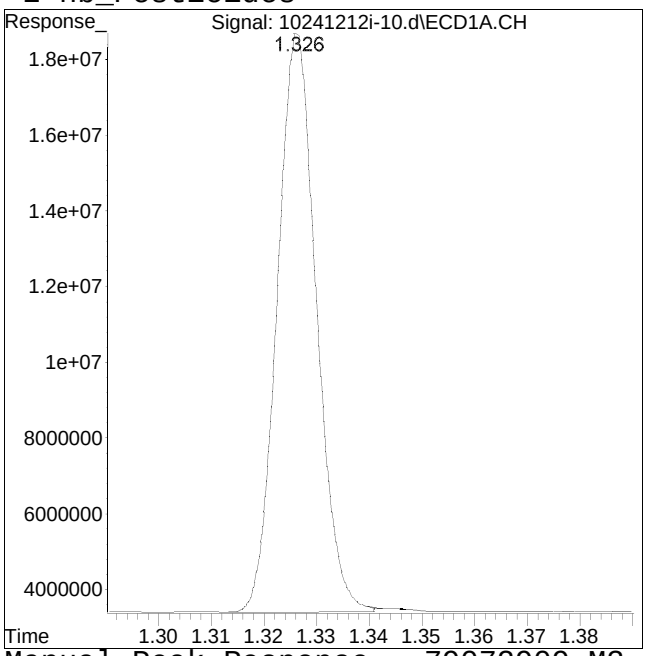


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-10.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:03 Instrument : Pest 10
Sample : il9pest,42e,,pp 11929 L0.1Quant Date : 12/13/2024 9:27 am

Compound #1: 1-br-2-nb_Pesticides





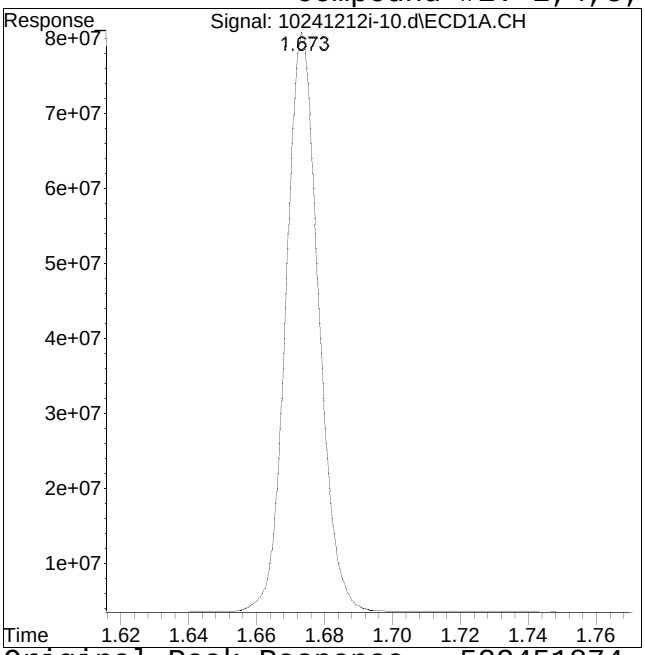
Original Peak Response = 83159445 Manual Peak Response = 79072909 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

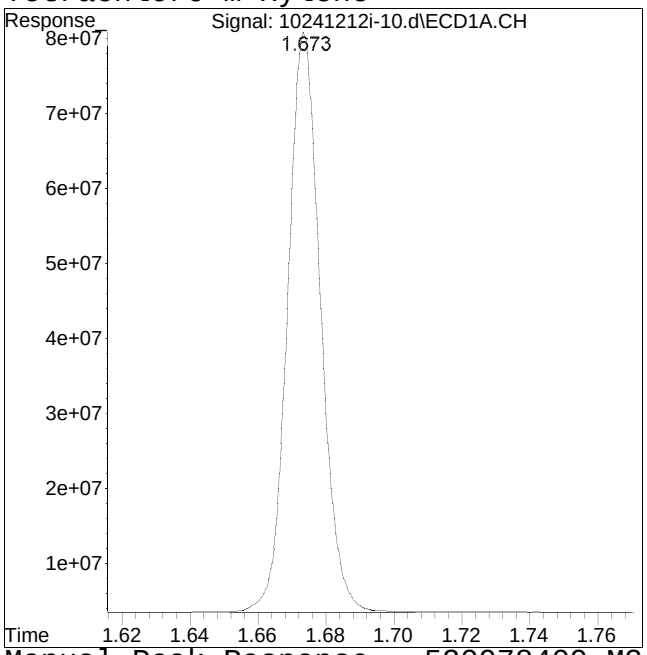
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-10.d
Date Inj'd : 12/12/2024 21:03
Sample : il9pest,42e,,pp 11929 L0.1

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 9:27 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



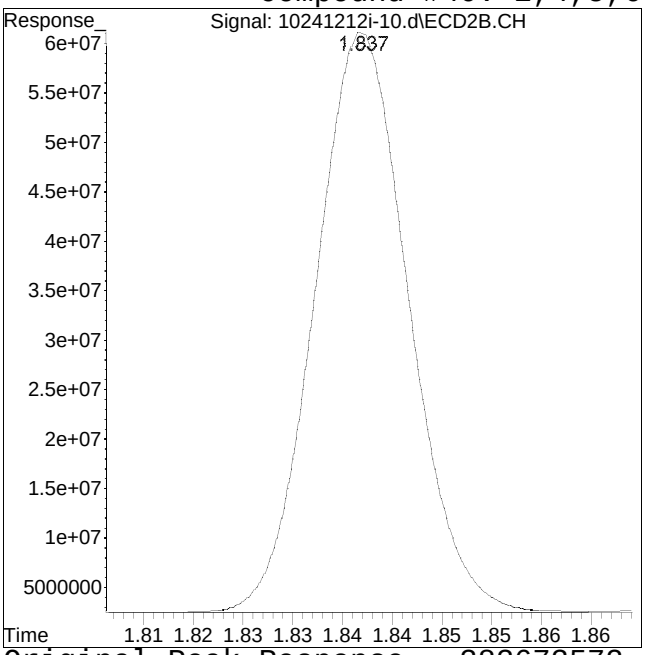


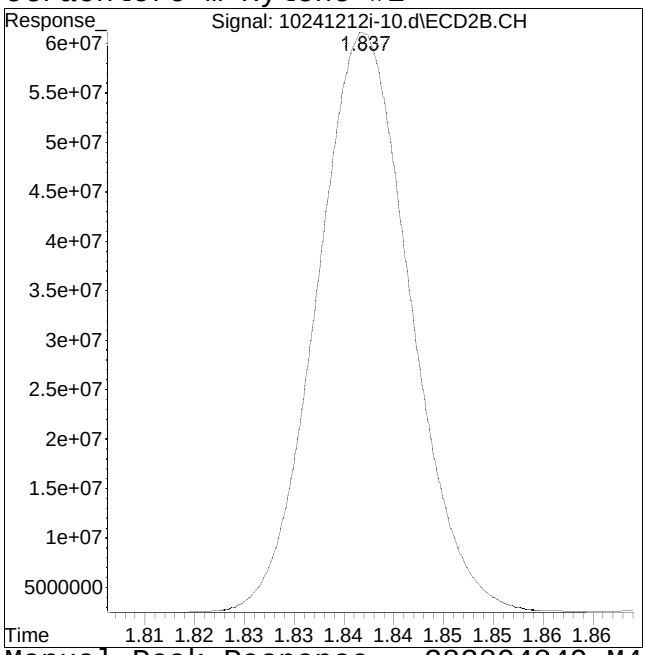
Original Peak Response = 522451874 Manual Peak Response = 520978409 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-10.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:03 Instrument : Pest 10
Sample : il9pest,42e,,pp 11929 L0.1Quant Date : 12/13/2024 9:27 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



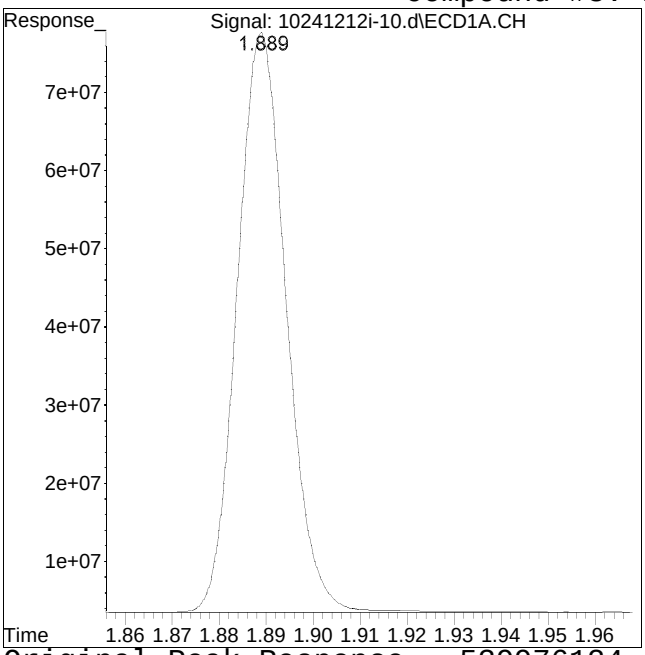


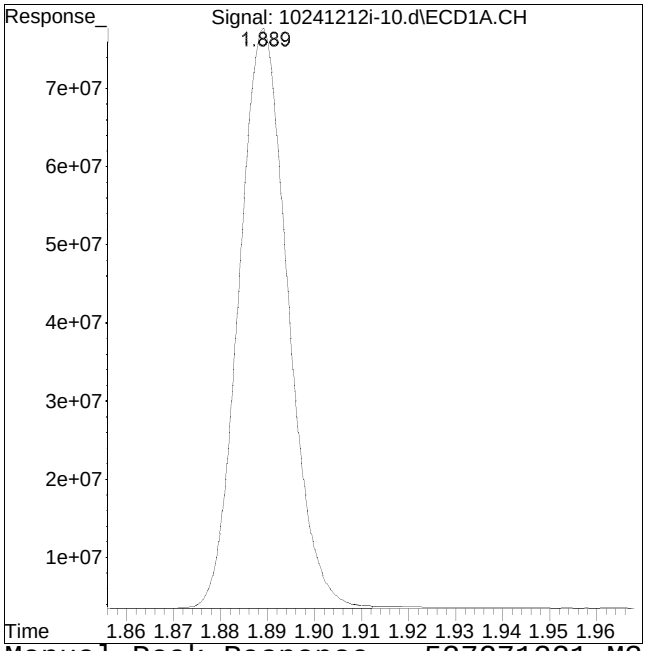
Original Peak Response = 383673572 Manual Peak Response = 383804849 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-10.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:03 Instrument : Pest 10
Sample : il9pest,42e,,pp 11929 L0.1Quant Date : 12/13/2024 9:27 am

Compound #3: Hexachlorobenzene



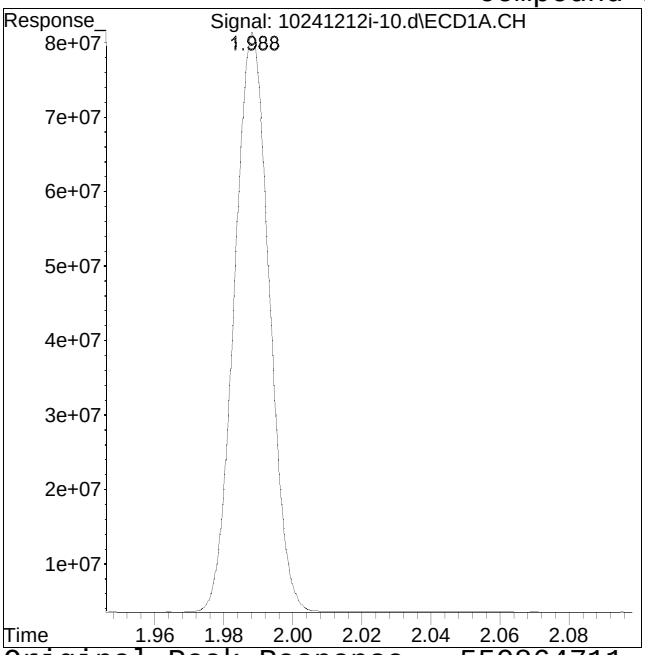


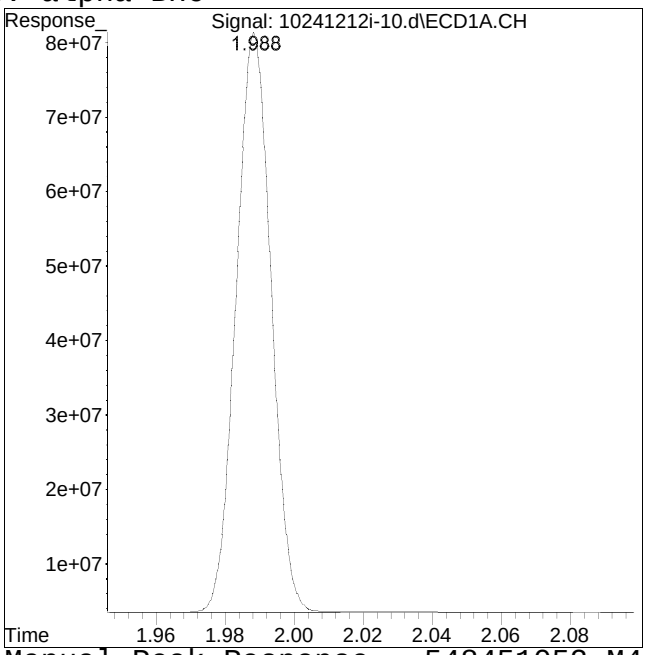
Original Peak Response = 539976124 Manual Peak Response = 537271221 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-10.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:03 Instrument : Pest 10
Sample : il9pest,42e,,pp 11929 L0.1Quant Date : 12/13/2024 9:27 am

Compound #4: alpha-BHC





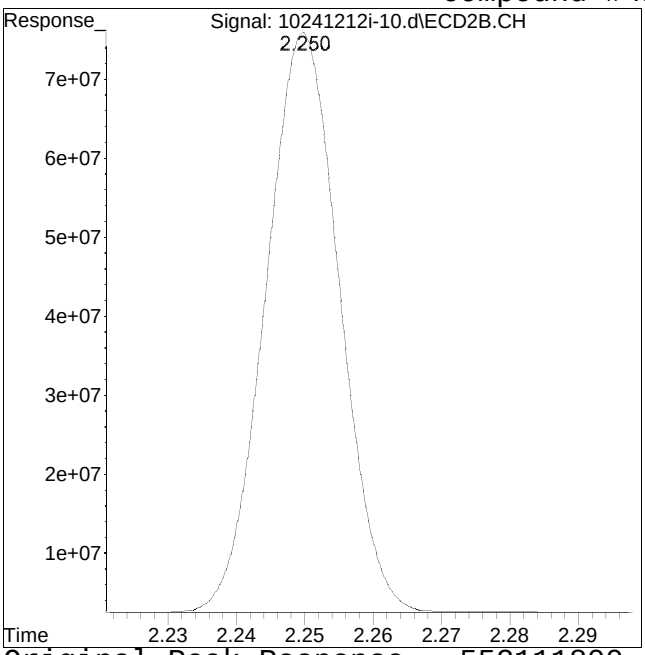
Original Peak Response = 550864711 Manual Peak Response = 548451052 M4
M4 = Poor automated baseline construction.

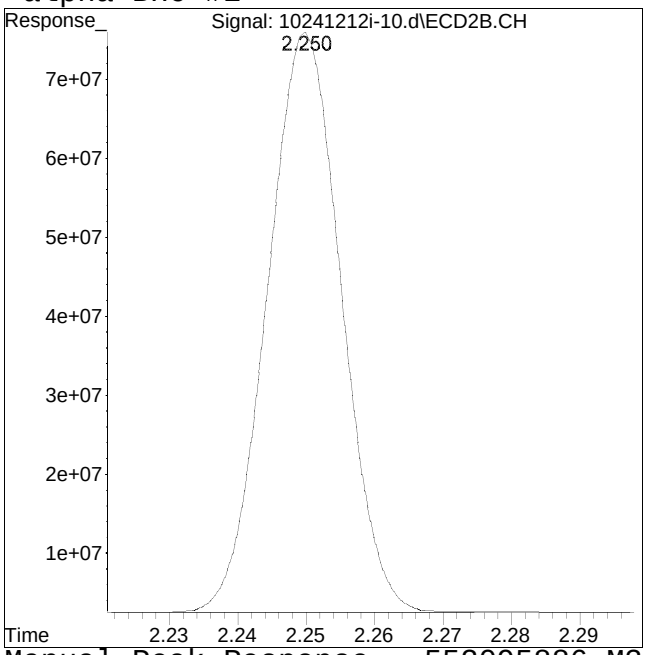
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-10.d
Date Inj'd : 12/12/2024 21:03
Sample : il9pest,42e,,pp 11929 L0.1

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 9:27 am

Compound #42: alpha-BHC #2





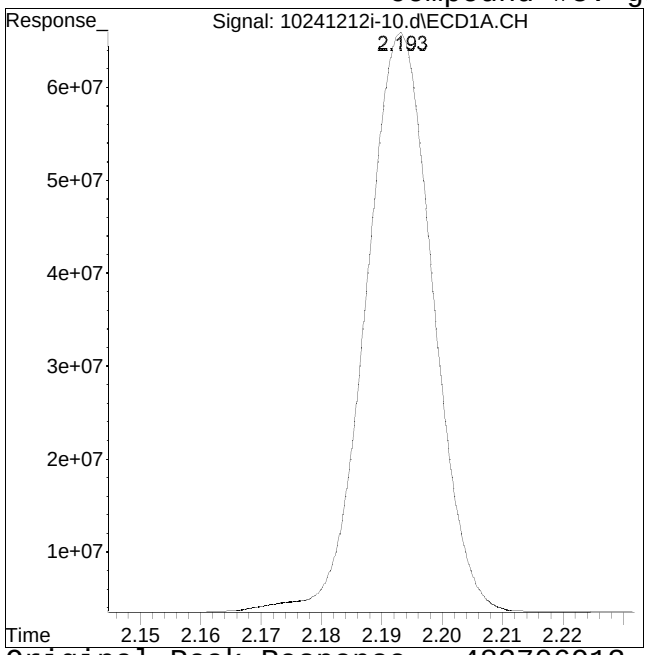
Original Peak Response = 552111800 Manual Peak Response = 552095886 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

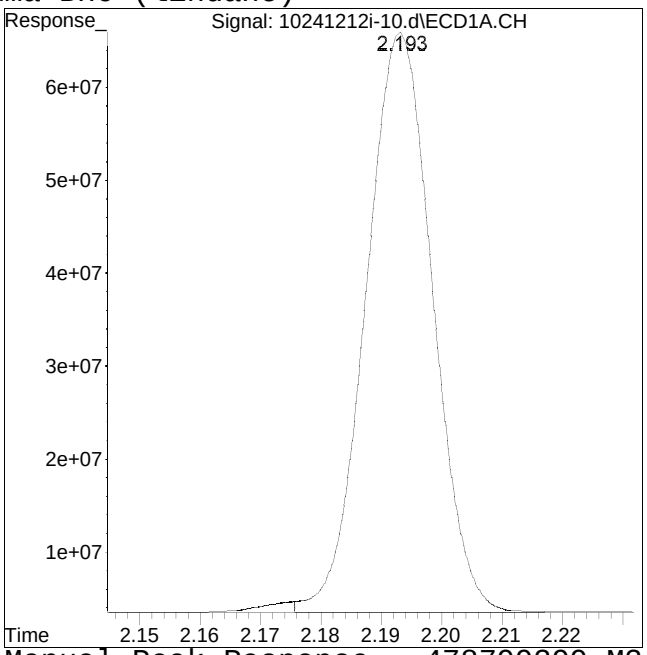
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-10.d
Date Inj'd : 12/12/2024 21:03
Sample : il9pest,42e,,pp 11929 L0.1

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 9:27 am

Compound #5: gamma-BHC (lindane)





Original Peak Response = 483706913 Manual Peak Response = 478799399 M3

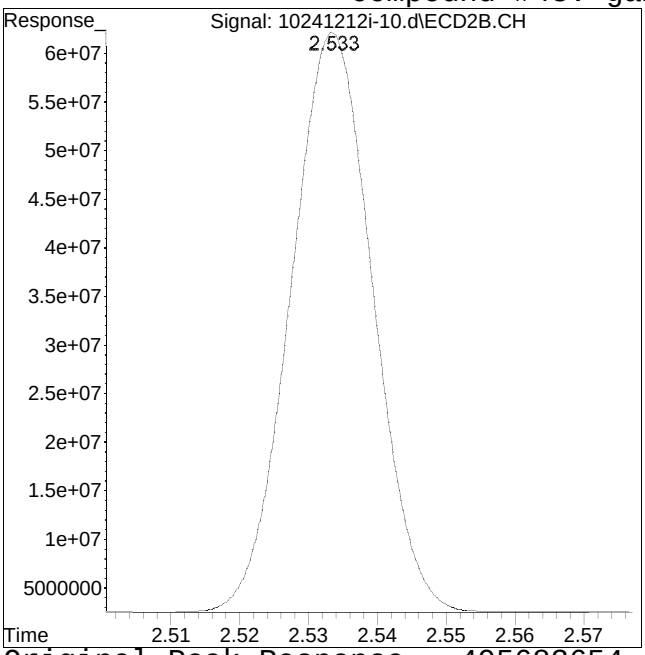
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

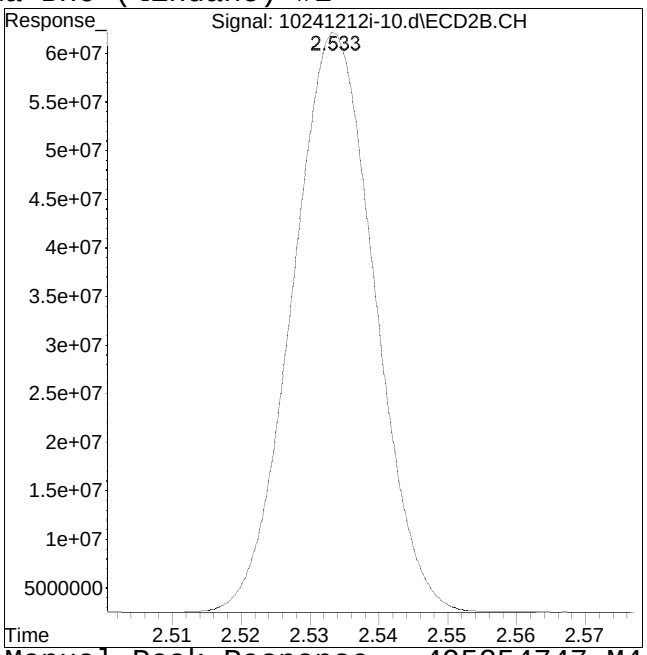
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-10.d
Date Inj'd : 12/12/2024 21:03
Sample : il9pest,42e,,pp 11929 L0.1

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 9:27 am

Compound #43: gamma-BHC (lindane) #2





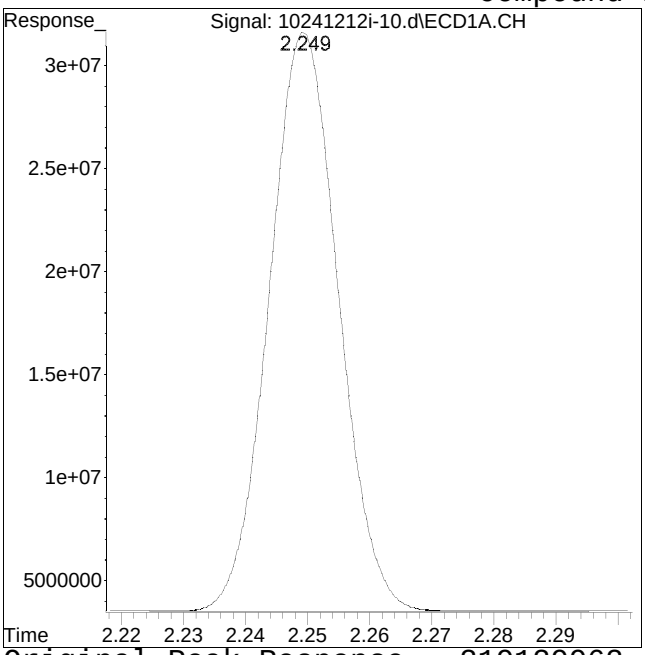
Original Peak Response = 495683654 Manual Peak Response = 495254747 M4
M4 = Poor automated baseline construction.

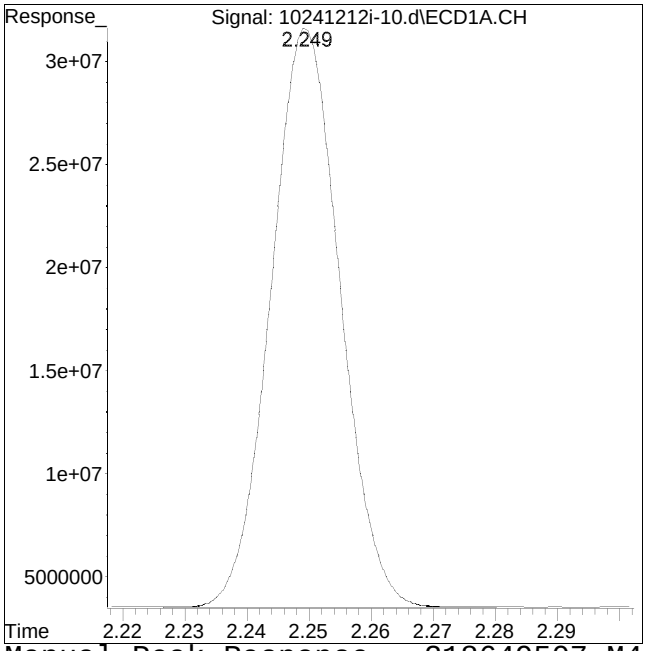
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-10.d
Date Inj'd : 12/12/2024 21:03
Sample : il9pest,42e,,pp 11929 L0.1

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 9:27 am

Compound #6: beta-BHC



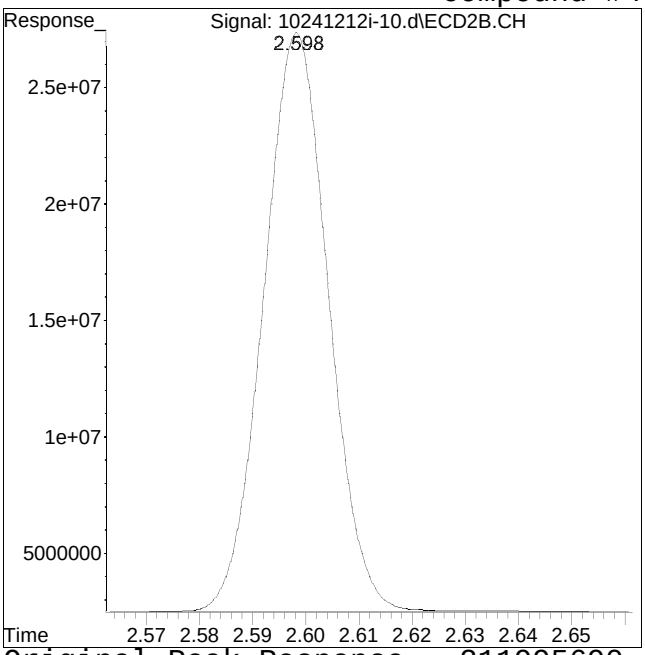


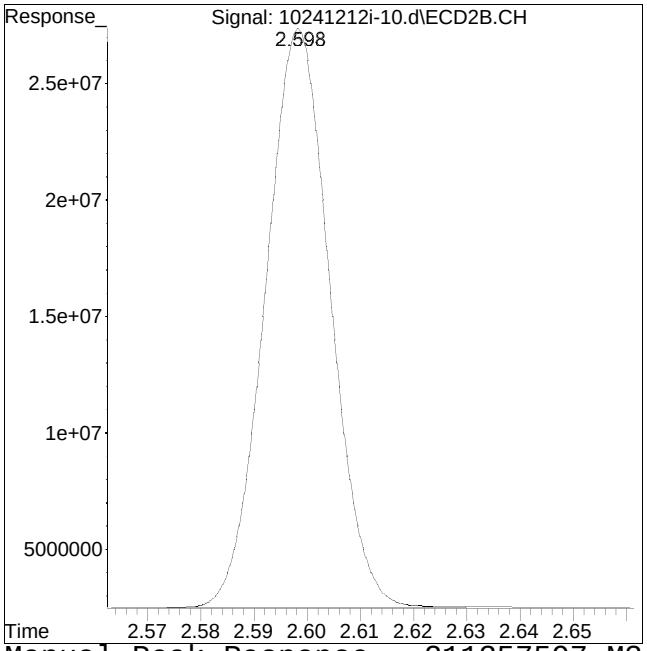
Original Peak Response = 219129962 Manual Peak Response = 218649507 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-10.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:03 Instrument : Pest 10
Sample : il9pest,42e,,pp 11929 L0.1Quant Date : 12/13/2024 9:27 am

Compound #44: beta-BHC #2



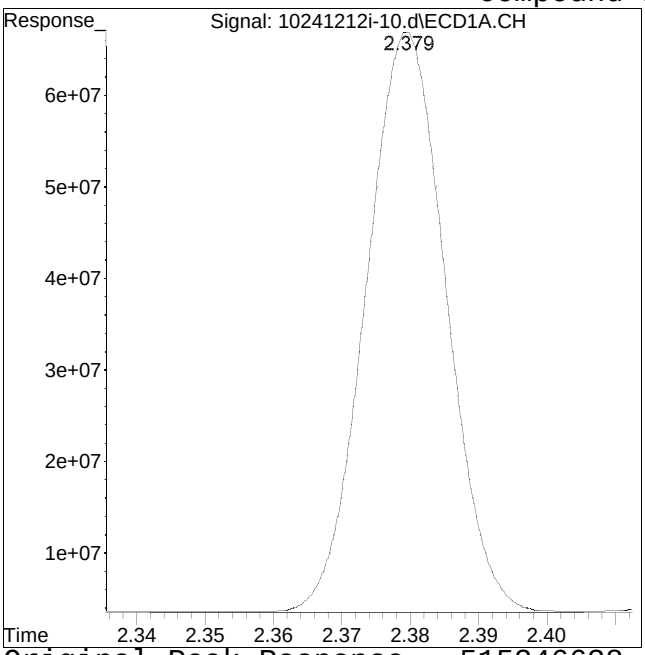


Original Peak Response = 211995690 Manual Peak Response = 211357597 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

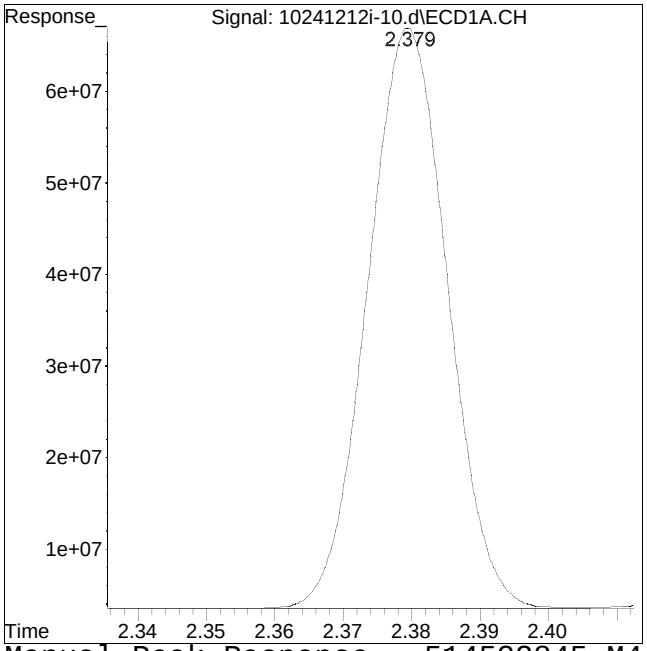
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-10.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:03 Instrument : Pest 10
Sample : il9pest,42e,,pp 11929 L0.1Quant Date : 12/13/2024 9:27 am

Compound #7: delta-BHC



Original Peak Response = 515346638



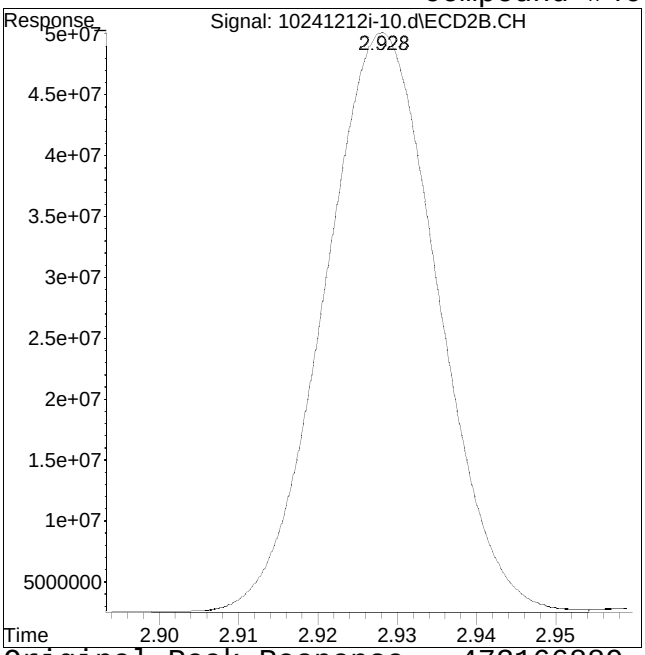
Manual Peak Response = 514522845 M4

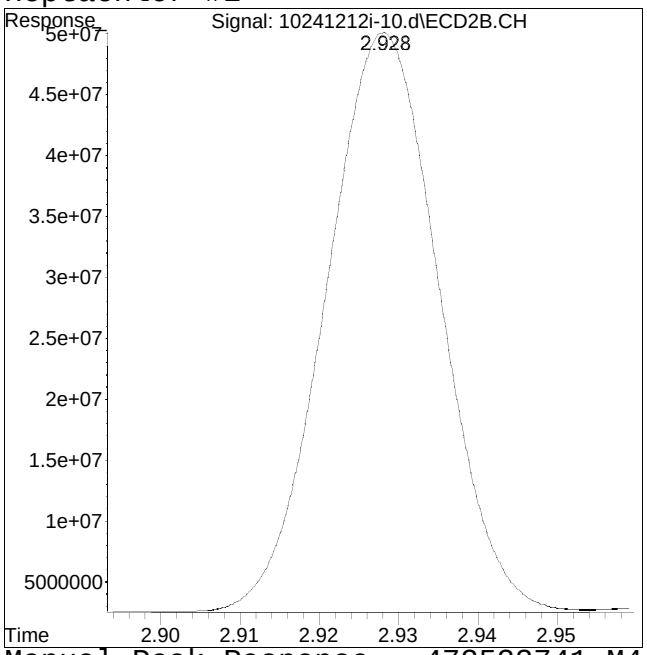
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-10.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:03 Instrument : Pest 10
Sample : il9pest,42e,,pp 11929 L0.1Quant Date : 12/13/2024 9:27 am

Compound #46: Heptachlor #2



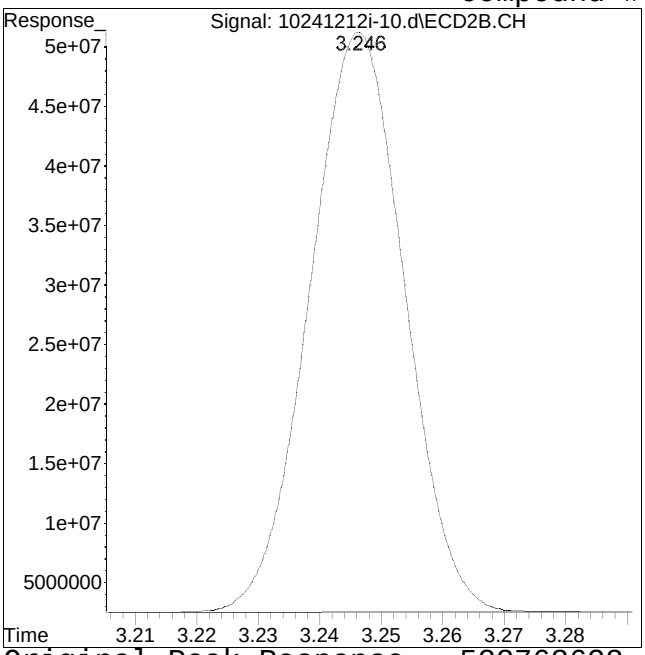


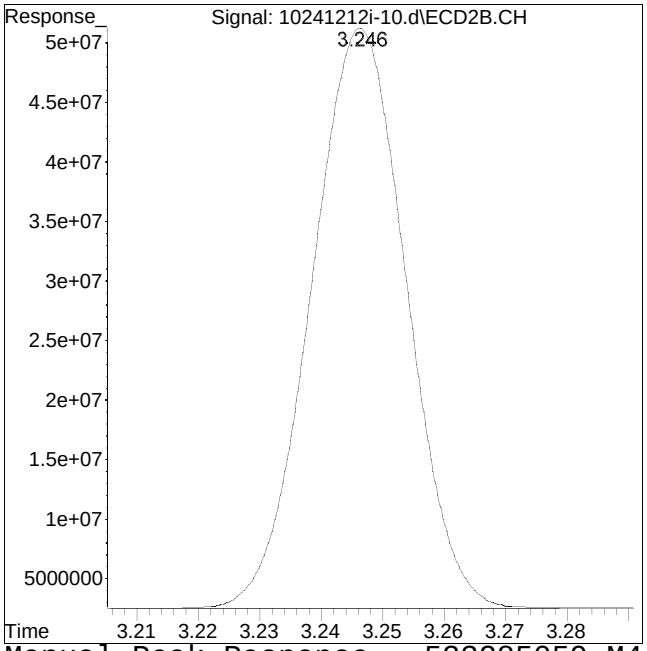
Original Peak Response = 473166889 Manual Peak Response = 472523741 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-10.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:03 Instrument : Pest 10
Sample : il9pest,42e,,pp 11929 L0.1Quant Date : 12/13/2024 9:27 am

Compound #47: Aldrin #2



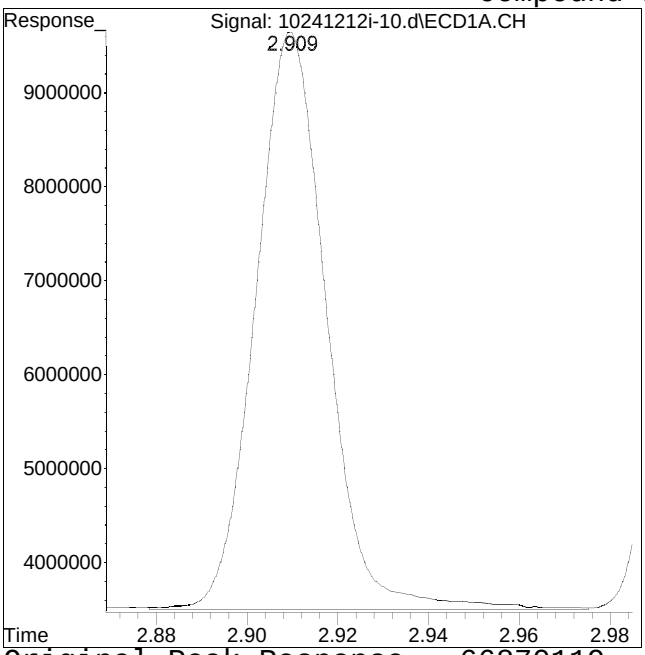


Original Peak Response = 522763622 Manual Peak Response = 523285059 M4
M4 = Poor automated baseline construction.

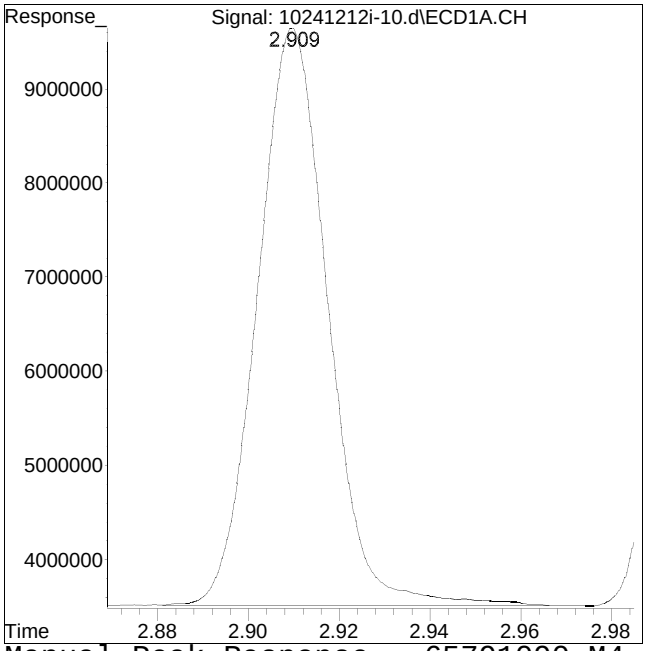
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-10.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:03 Instrument : Pest 10
Sample : il9pest,42e,,pp 11929 L0.1Quant Date : 12/13/2024 9:27 am

Compound #10: Alachlor



Original Peak Response = 66870119



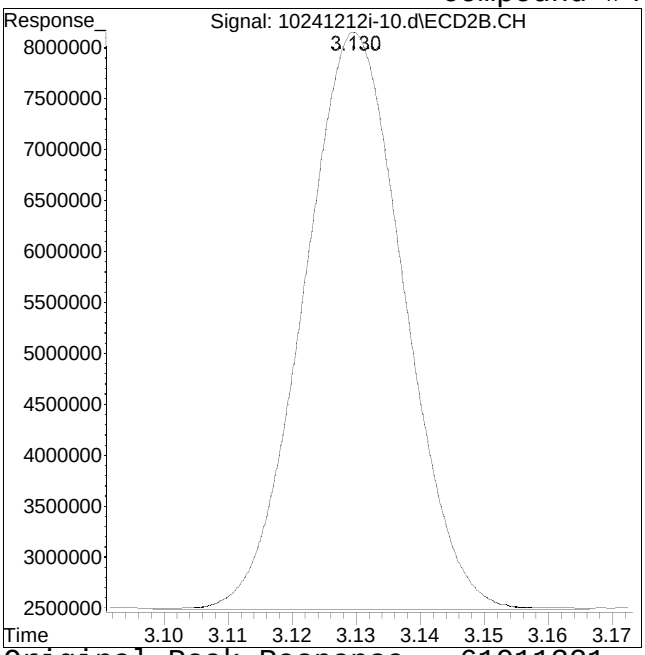
Manual Peak Response = 65791090 M4

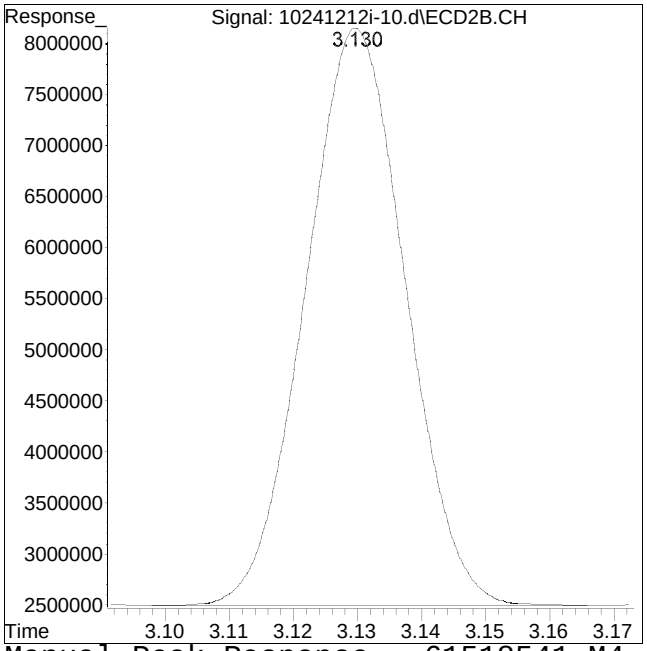
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-10.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:03 Instrument : Pest 10
Sample : il9pest,42e,,pp 11929 L0.1Quant Date : 12/13/2024 9:27 am

Compound #48: Alachlor #2



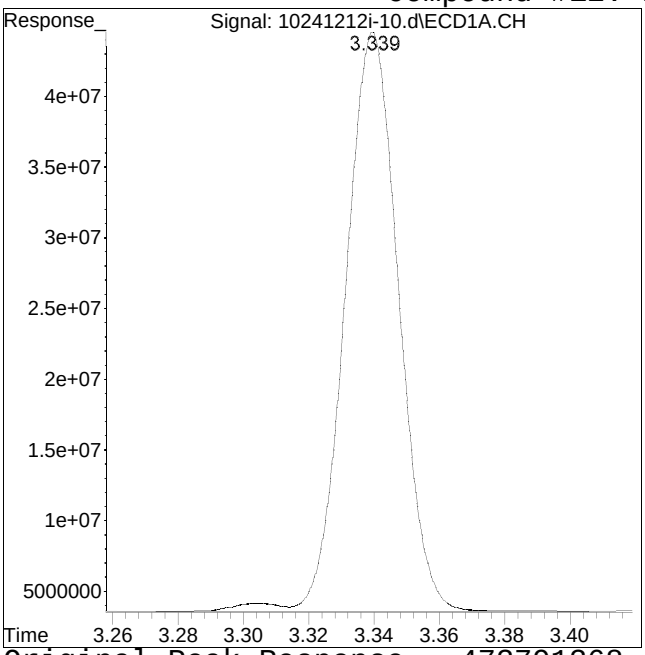


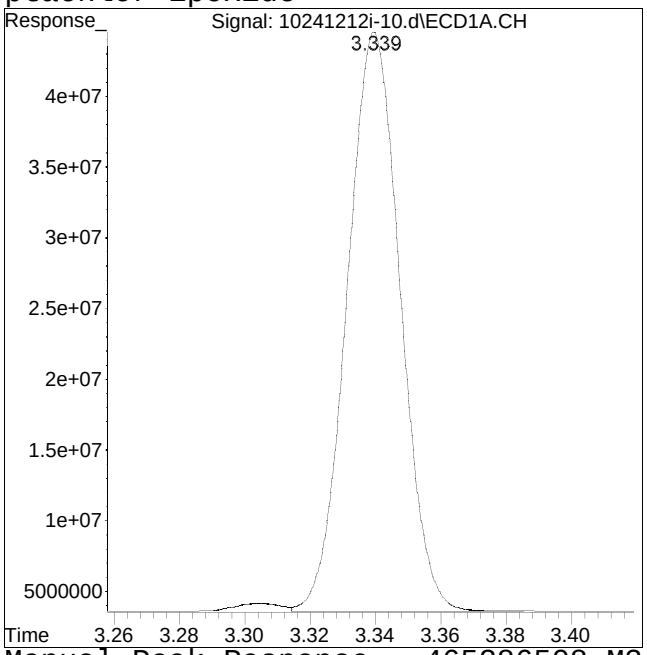
Original Peak Response = 61911321 Manual Peak Response = 61518541 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-10.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:03 Instrument : Pest 10
Sample : il9pest,42e,,pp 11929 L0.1Quant Date : 12/13/2024 9:27 am

Compound #12: Heptachlor Epoxide



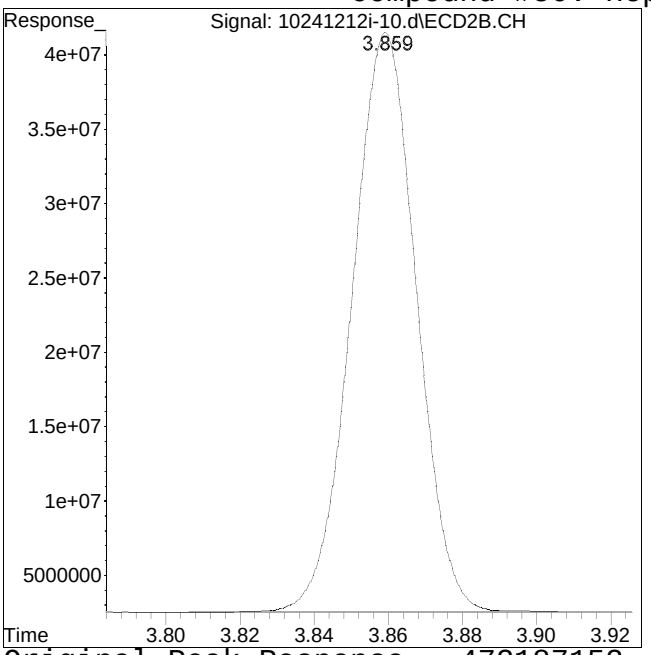


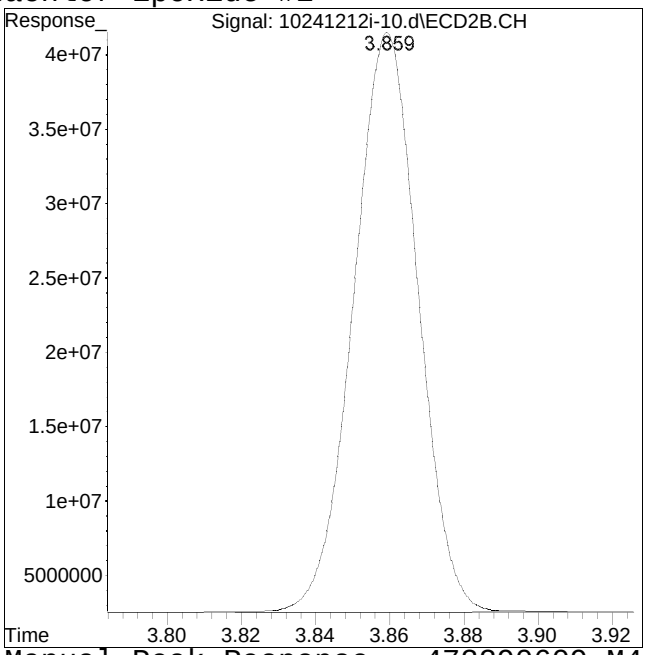
Original Peak Response = 473791368 Manual Peak Response = 465286508 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-10.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:03 Instrument : Pest 10
Sample : il9pest,42e,,pp 11929 L0.1Quant Date : 12/13/2024 9:27 am

Compound #50: Heptachlor Epoxide #2



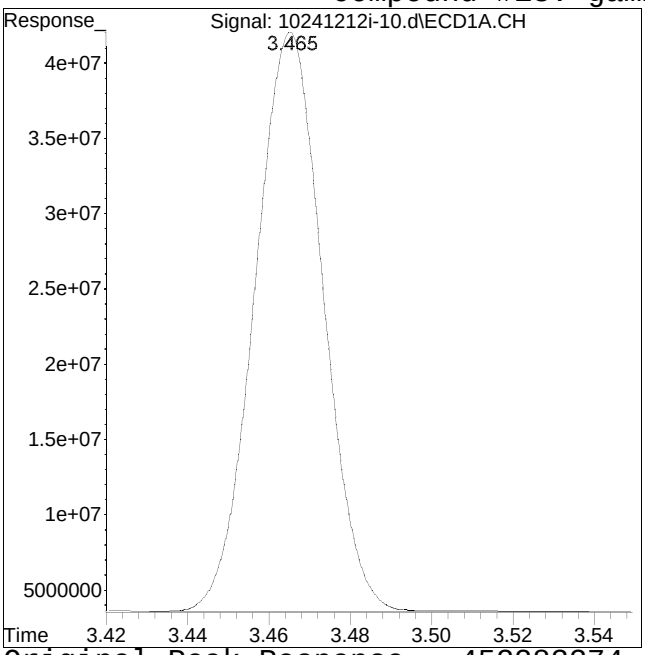


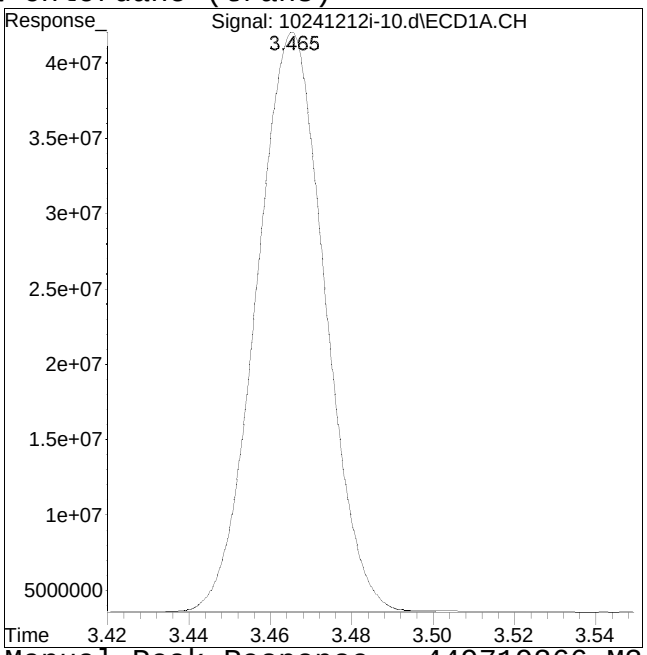
Original Peak Response = 472187152 Manual Peak Response = 472290609 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-10.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:03 Instrument : Pest 10
Sample : il9pest,42e,,pp 11929 L0.1Quant Date : 12/13/2024 9:27 am

Compound #13: gamma-Chlordane (trans)



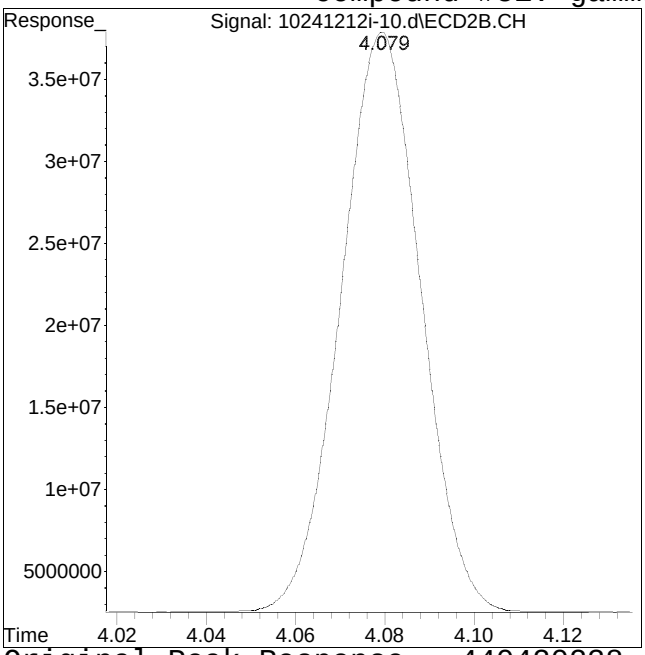


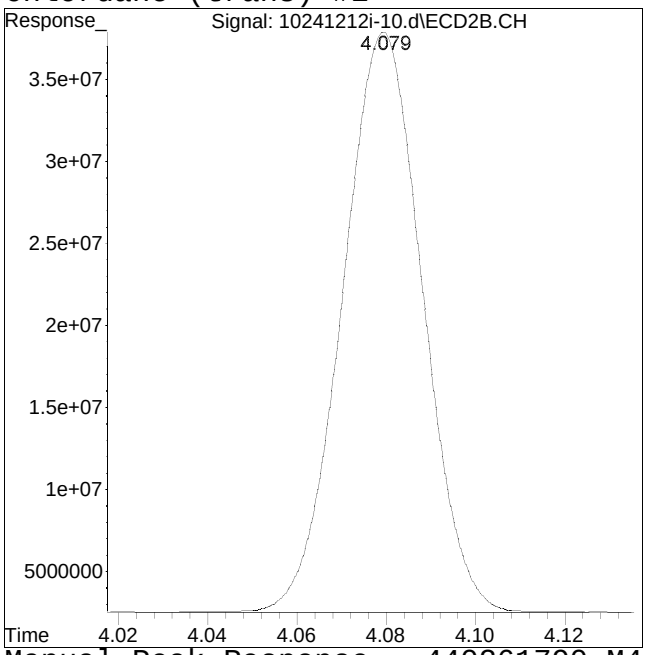
Original Peak Response = 452283374 Manual Peak Response = 449719366 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-10.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:03 Instrument : Pest 10
Sample : il9pest,42e,,pp 11929 L0.1Quant Date : 12/13/2024 9:27 am

Compound #51: gamma-Chlordane (trans) #2



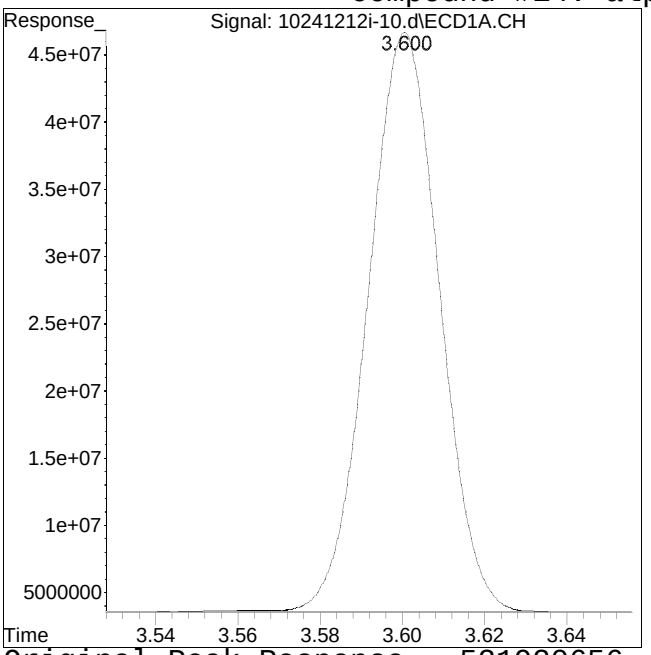


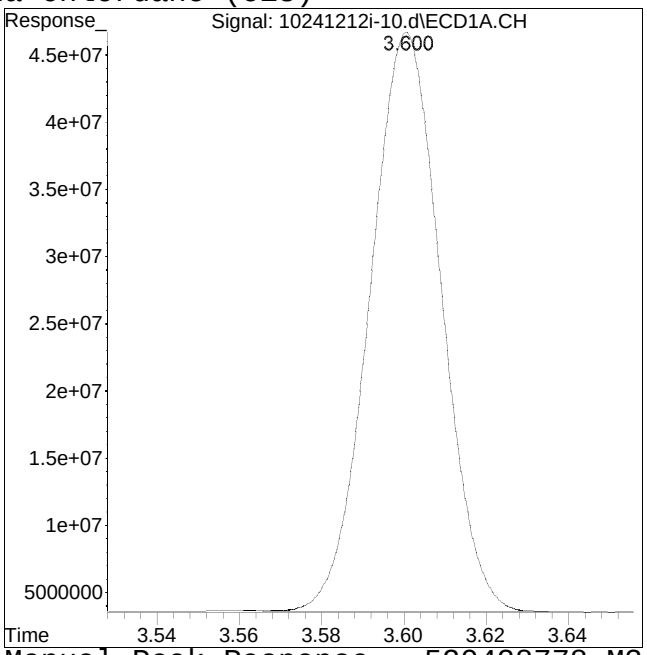
Original Peak Response = 440420238 Manual Peak Response = 440261790 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-10.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:03 Instrument : Pest 10
Sample : il9pest,42e,,pp 11929 L0.1Quant Date : 12/13/2024 9:27 am

Compound #14: alpha-Chlordane (cis)



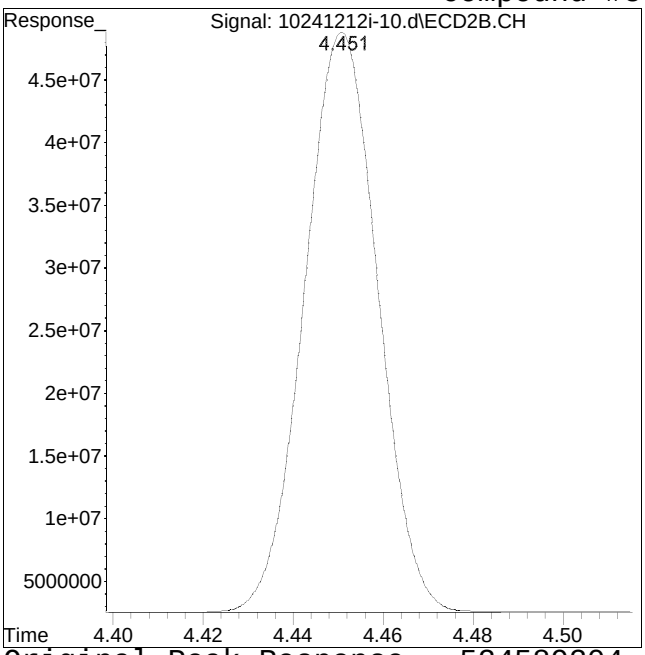


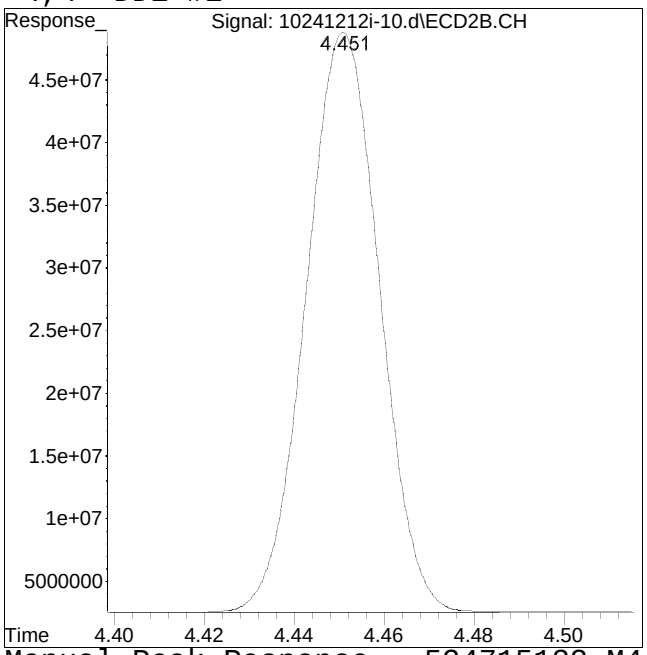
Original Peak Response = 521920656 Manual Peak Response = 520428778 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-10.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:03 Instrument : Pest 10
Sample : il9pest,42e,,pp 11929 L0.1Quant Date : 12/13/2024 9:27 am

Compound #53: 4,4'-DDE #2



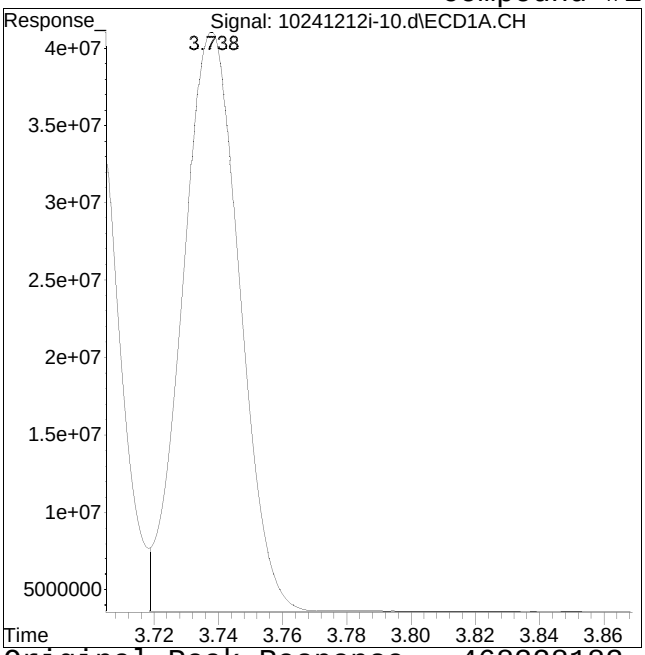


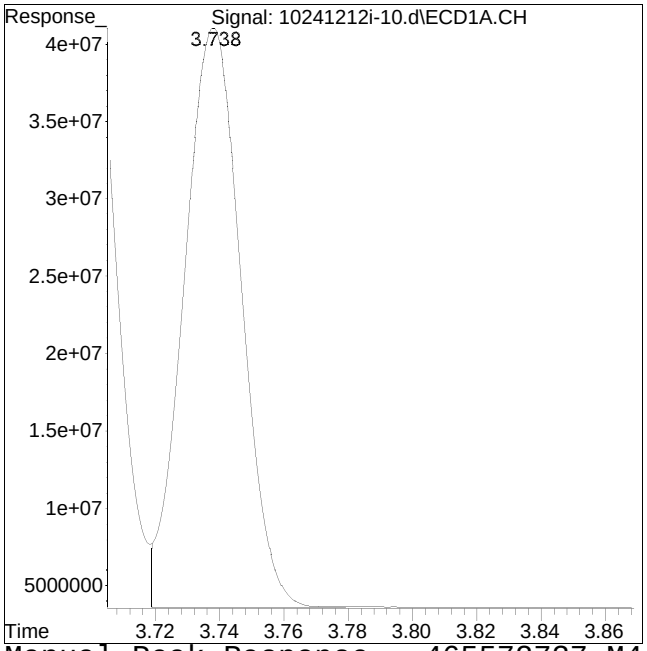
Original Peak Response = 524589304 Manual Peak Response = 524715122 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-10.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:03 Instrument : Pest 10
Sample : il9pest,42e,,pp 11929 L0.1Quant Date : 12/13/2024 9:27 am

Compound #16: Endosulfan I



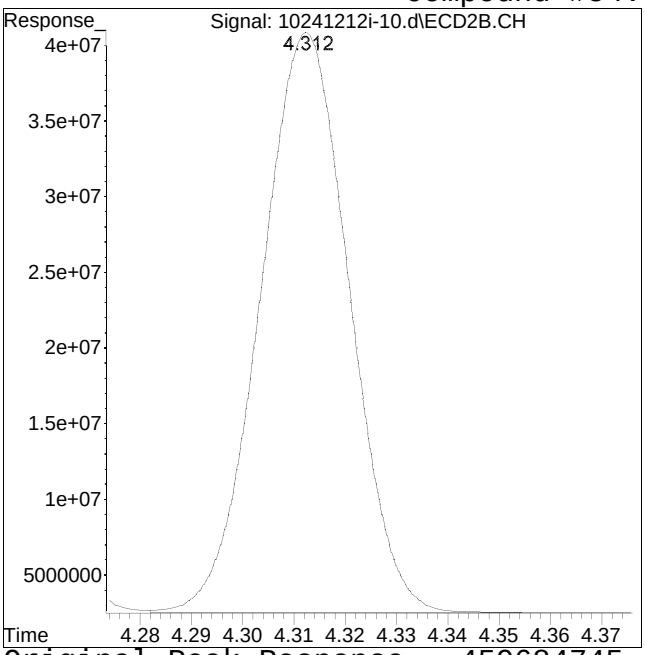


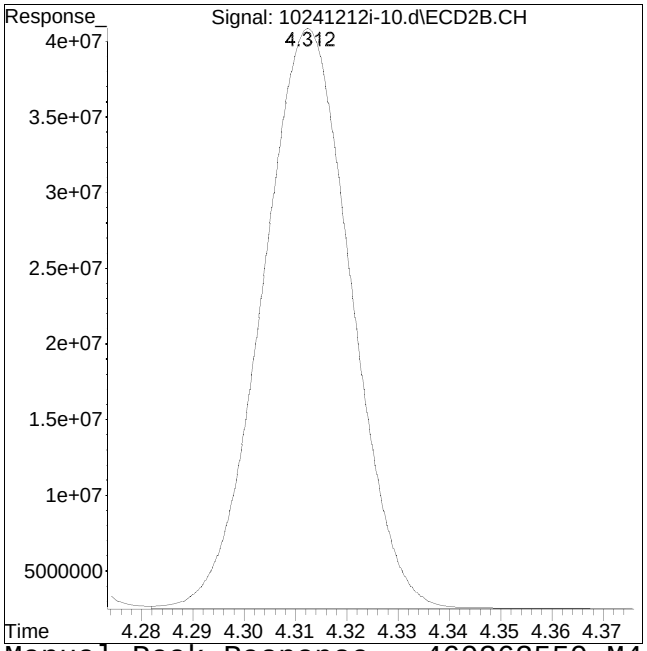
Original Peak Response = 468328183 Manual Peak Response = 465572737 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-10.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:03 Instrument : Pest 10
Sample : il9pest,42e,,pp 11929 L0.1Quant Date : 12/13/2024 9:27 am

Compound #54: Endosulfan I #2



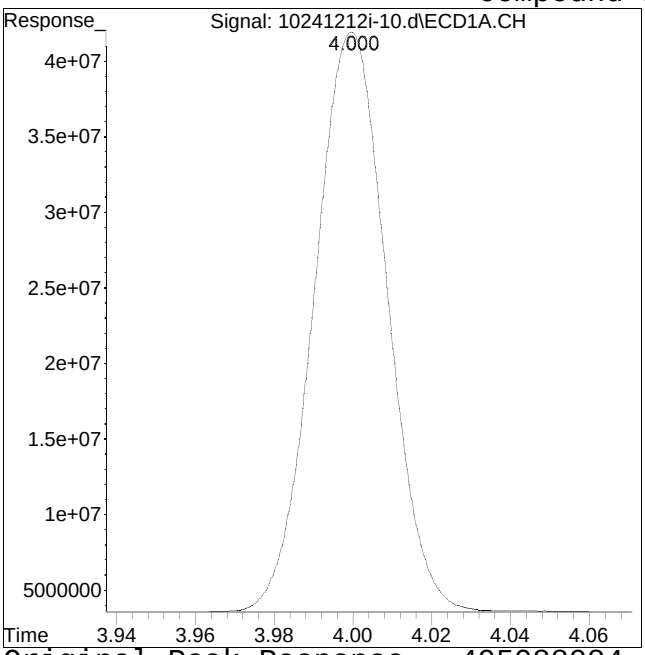


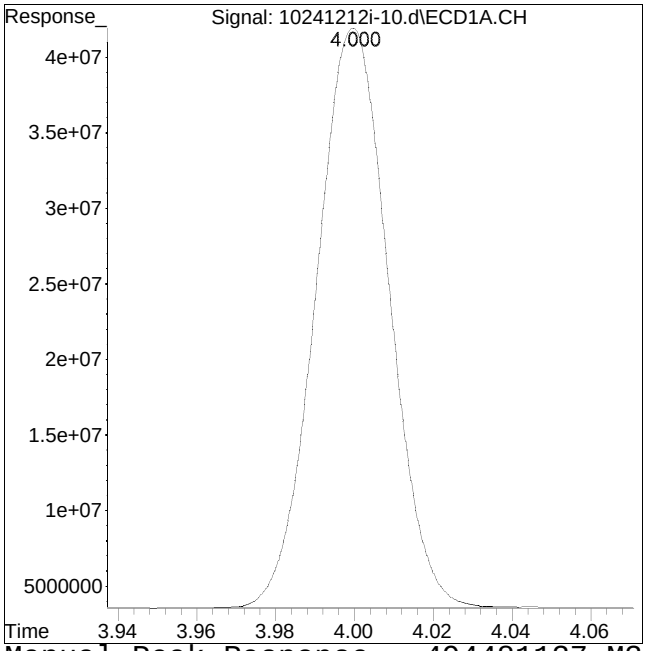
Original Peak Response = 459684745 Manual Peak Response = 460363550 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-10.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:03 Instrument : Pest 10
Sample : il9pest,42e,,pp 11929 L0.1Quant Date : 12/13/2024 9:27 am

Compound #17: Dieldrin



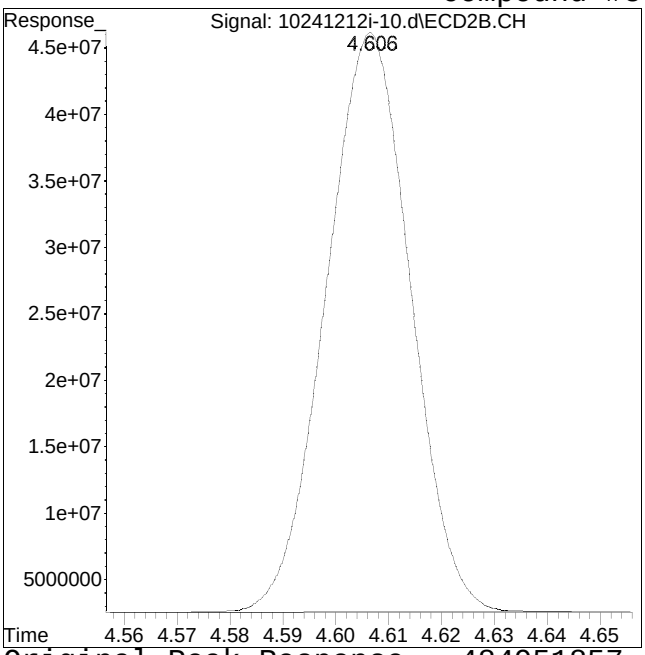


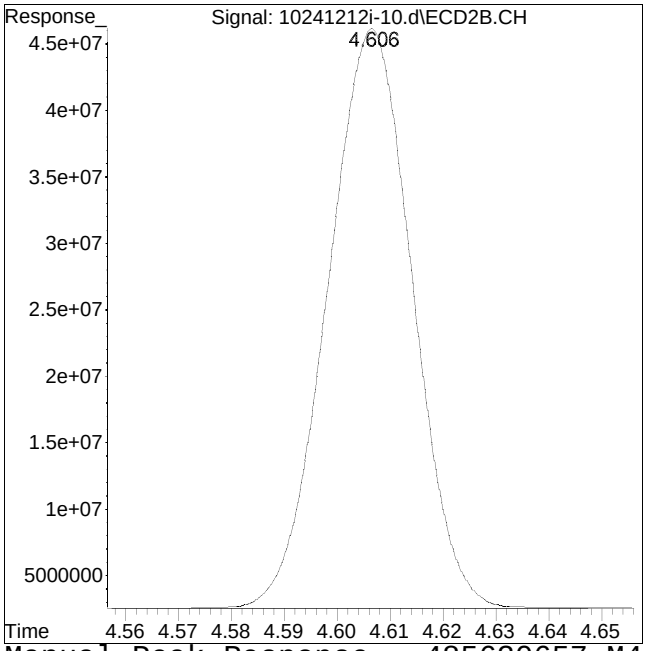
Original Peak Response = 495088984 Manual Peak Response = 494481137 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-10.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:03 Instrument : Pest 10
Sample : il9pest,42e,,pp 11929 L0.1Quant Date : 12/13/2024 9:27 am

Compound #55: Dieldrin #2





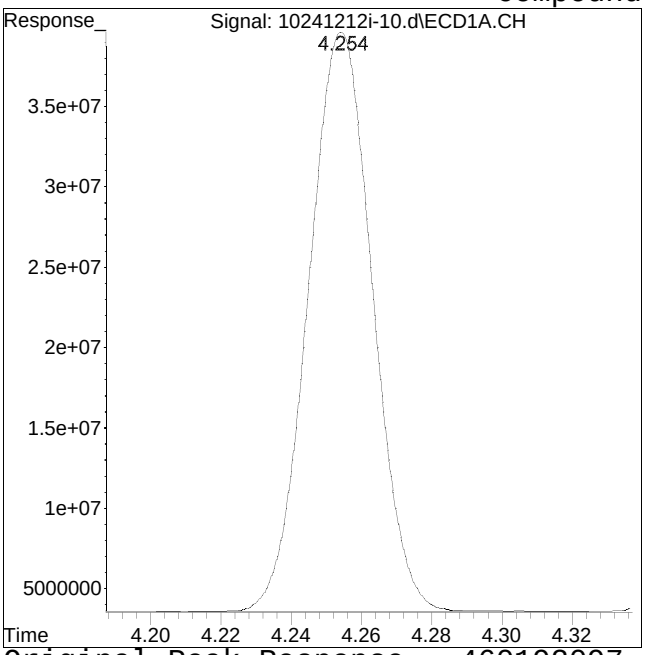
Original Peak Response = 484951857 Manual Peak Response = 485630657 M4
M4 = Poor automated baseline construction.

Manual Integration Report

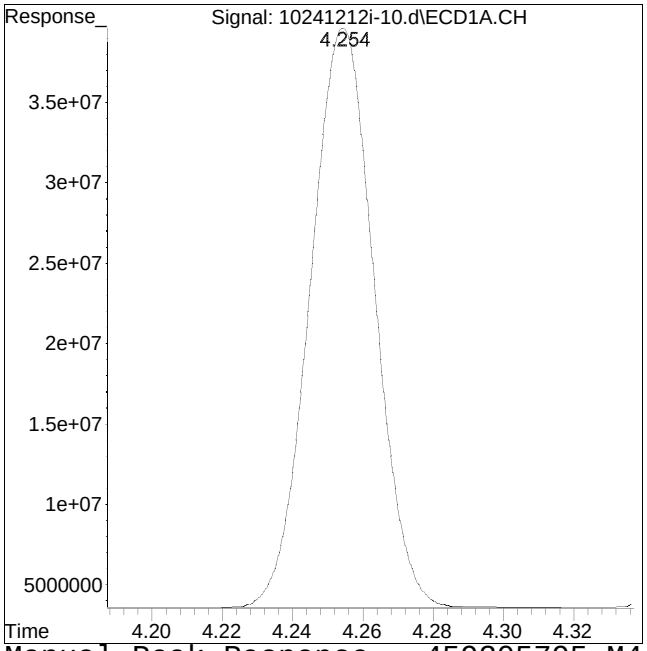
Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-10.d
Date Inj'd : 12/12/2024 21:03
Sample : il9pest,42e,,pp 11929 L0.1

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 9:27 am

Compound #18: Endrin



Original Peak Response = 460192097



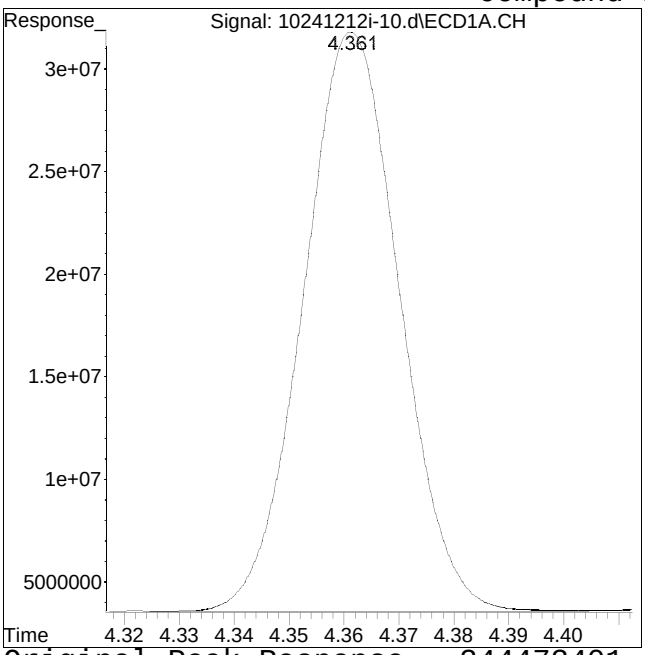
Manual Peak Response = 459305795 M4

M4 = Poor automated baseline construction.

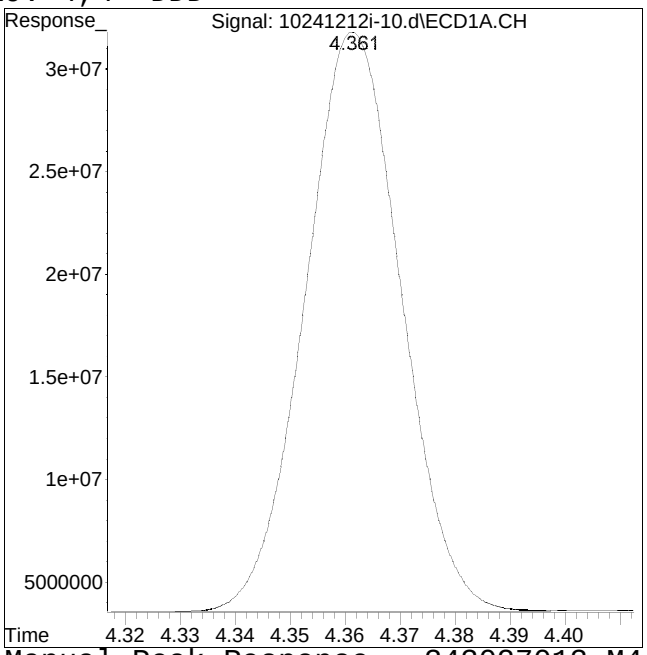
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-10.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:03 Instrument : Pest 10
Sample : il9pest,42e,,pp 11929 L0.1Quant Date : 12/13/2024 9:27 am

Compound #19: 4,4'-DDD



Original Peak Response = 344473401



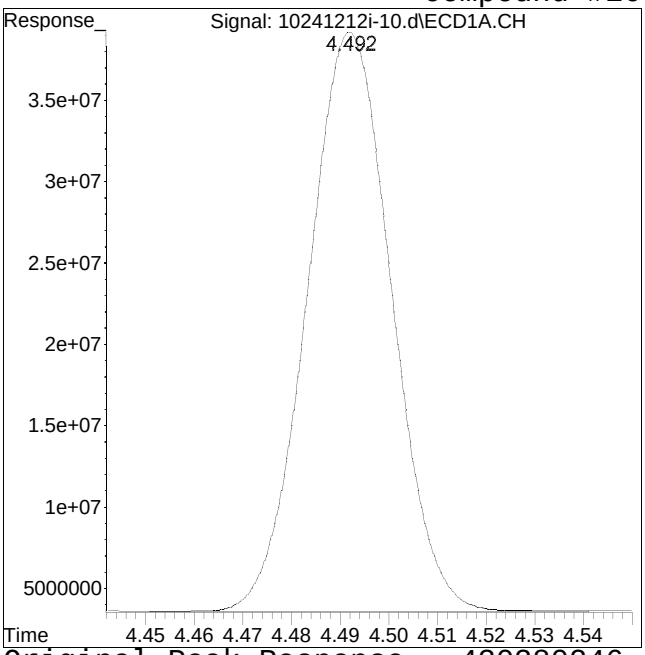
Manual Peak Response = 343027013 M4

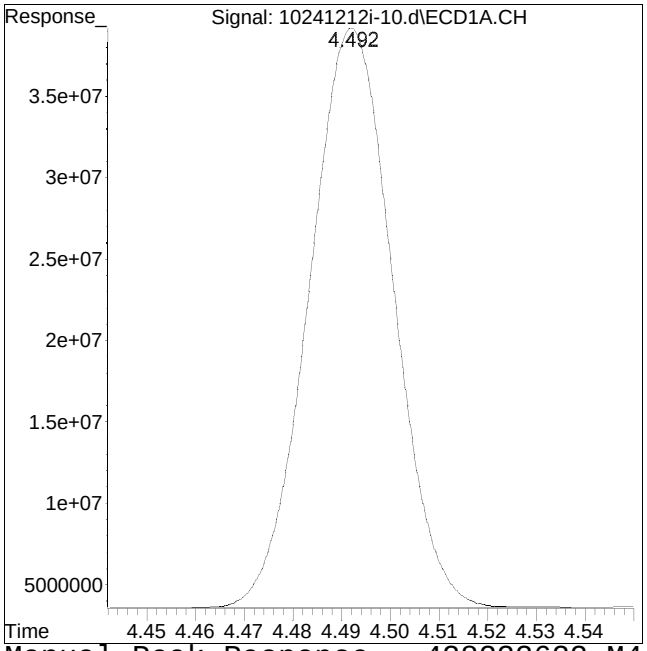
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-10.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:03 Instrument : Pest 10
Sample : il9pest,42e,,pp 11929 L0.1Quant Date : 12/13/2024 9:27 am

Compound #20: Endosulfan II



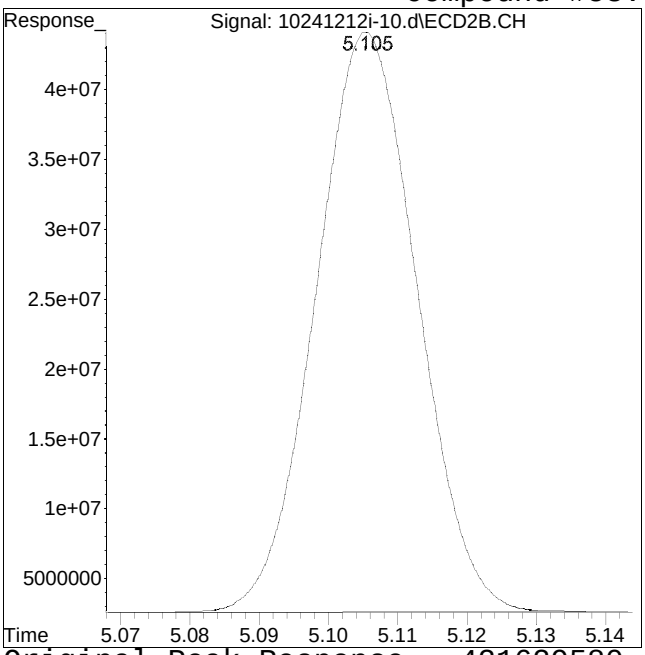


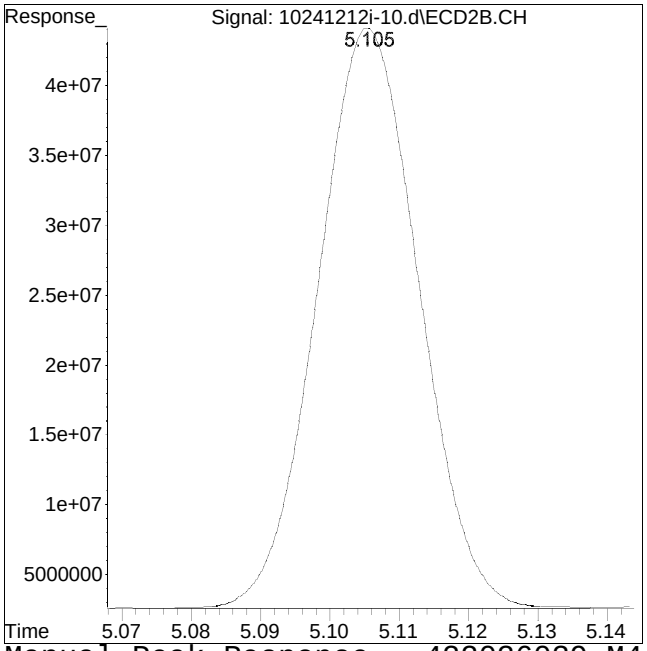
Original Peak Response = 430380246 Manual Peak Response = 428233622 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-10.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:03 Instrument : Pest 10
Sample : il9pest,42e,,pp 11929 L0.1Quant Date : 12/13/2024 9:27 am

Compound #58: Endosulfan II #2



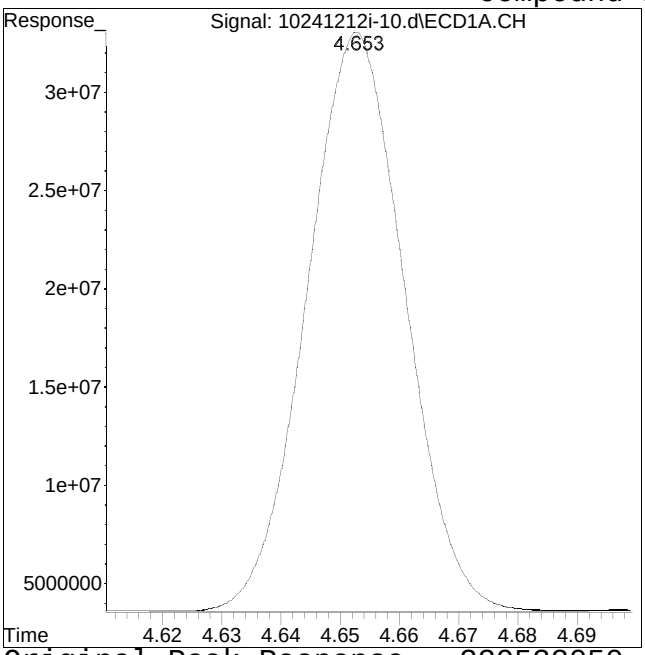


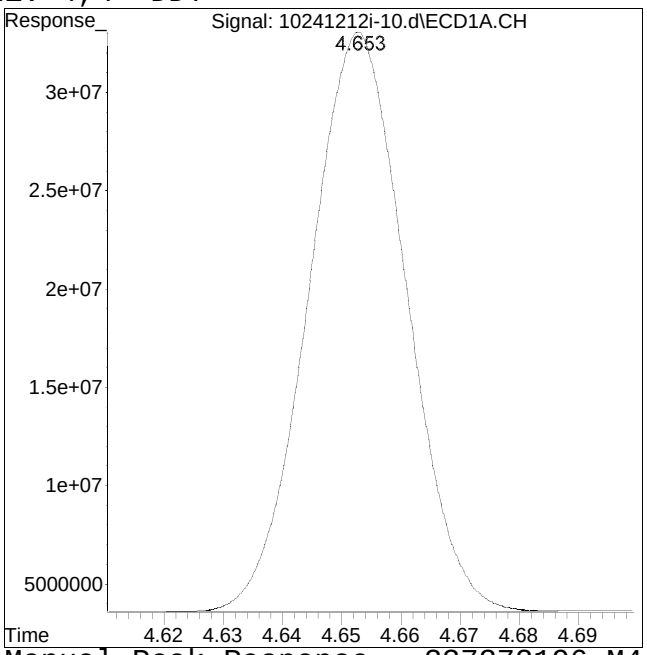
Original Peak Response = 421629580 Manual Peak Response = 422036039 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-10.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:03 Instrument : Pest 10
Sample : il9pest,42e,,pp 11929 L0.1Quant Date : 12/13/2024 9:27 am

Compound #21: 4,4'-DDT



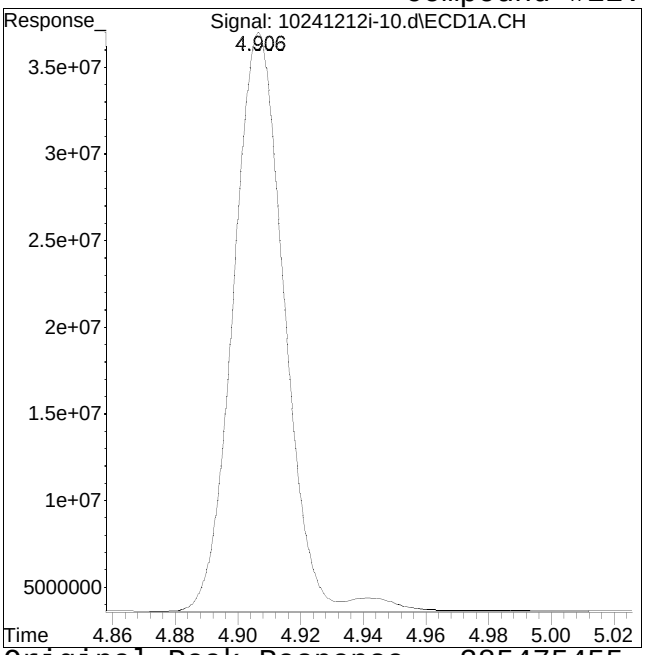


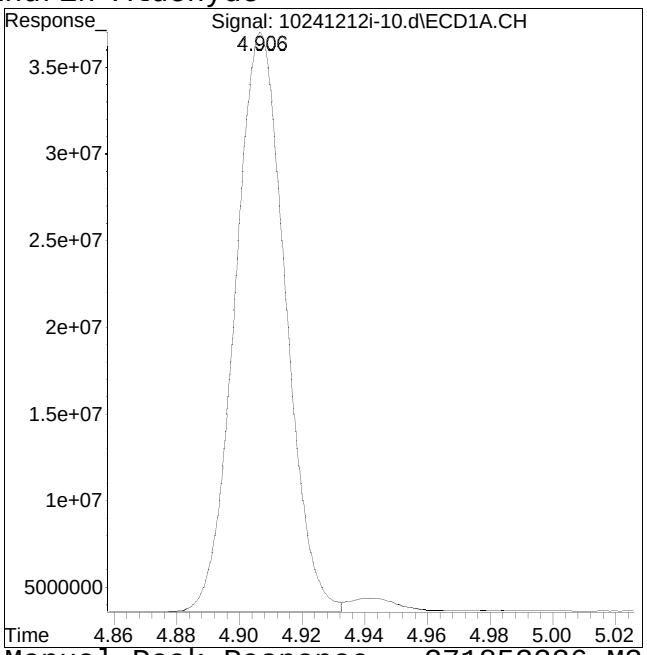
Original Peak Response = 339532050 Manual Peak Response = 337372196 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-10.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:03 Instrument : Pest 10
Sample : il9pest,42e,,pp 11929 L0.1Quant Date : 12/13/2024 9:27 am

Compound #22: Endrin Aldehyde



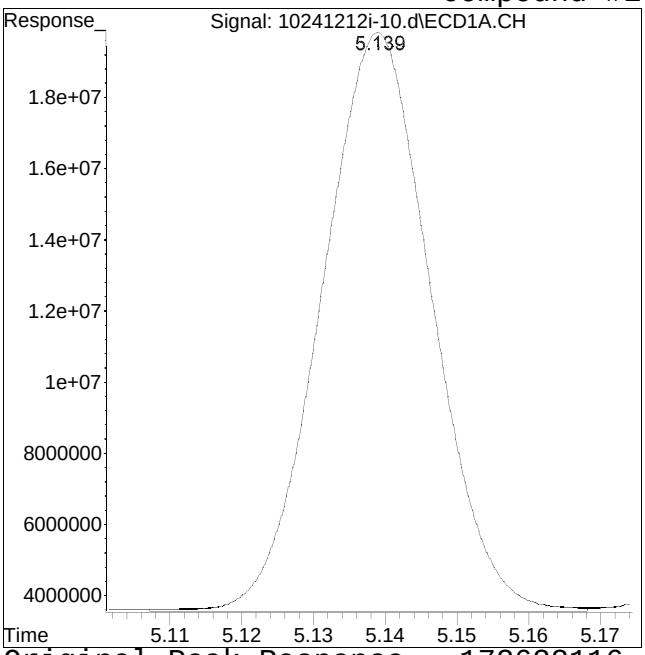


Original Peak Response = 385475455 Manual Peak Response = 371853336 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

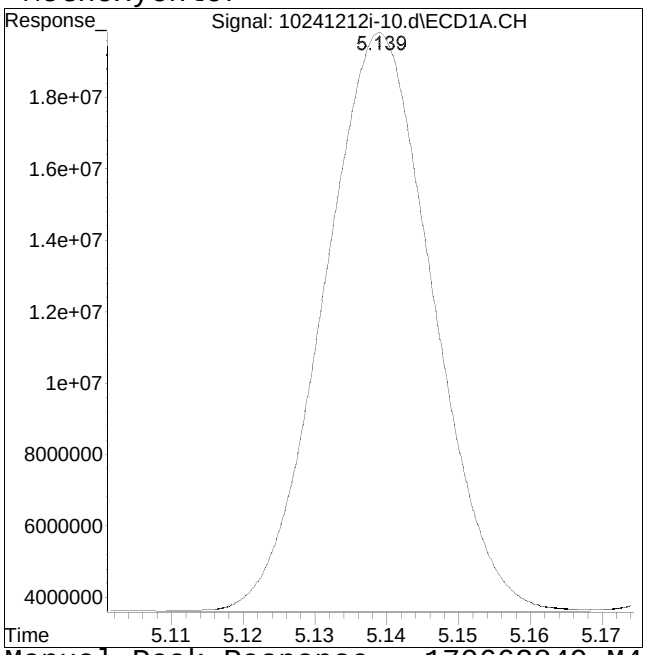
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-10.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:03 Instrument : Pest 10
Sample : il9pest,42e,,pp 11929 L0.1Quant Date : 12/13/2024 9:27 am

Compound #23: Methoxychlor



Original Peak Response = 172622116



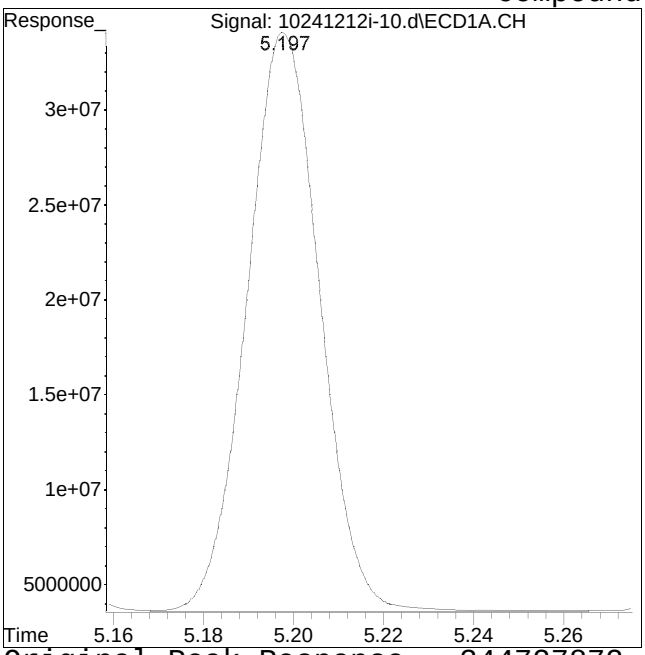
Manual Peak Response = 170662849 M4

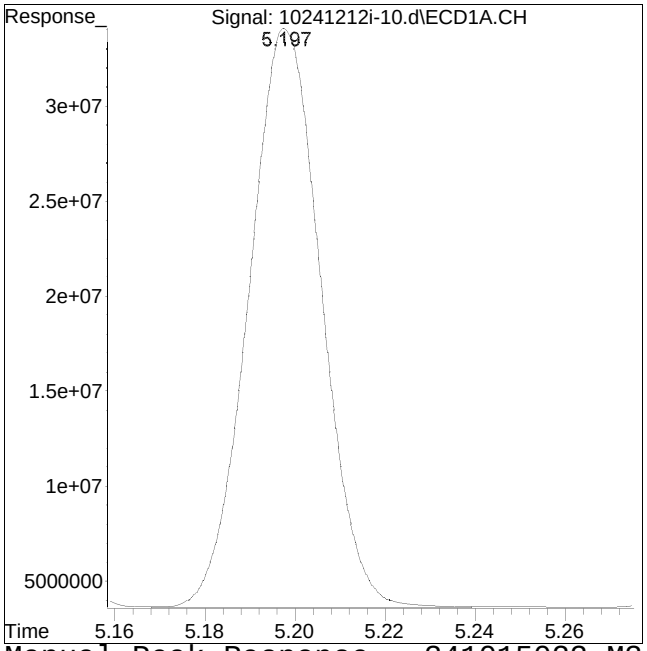
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-10.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:03 Instrument : Pest 10
Sample : il9pest,42e,,pp 11929 L0.1Quant Date : 12/13/2024 9:27 am

Compound #24: Mirex



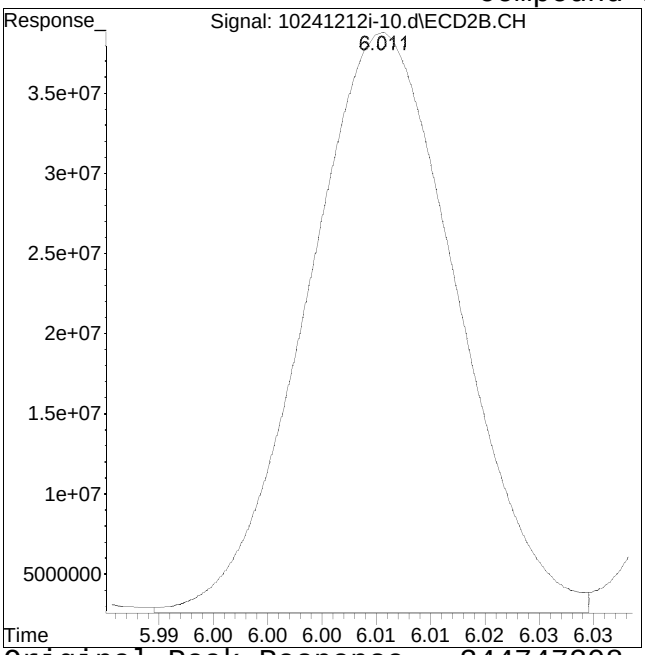


Original Peak Response = 344727872 Manual Peak Response = 341015023 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

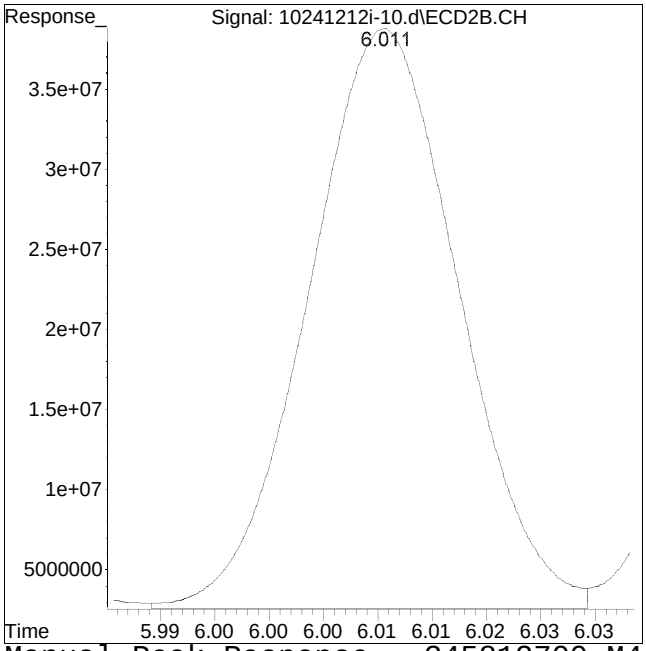
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-10.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:03 Instrument : Pest 10
Sample : il9pest,42e,,pp 11929 L0.1Quant Date : 12/13/2024 9:27 am

Compound #62: Mirex #2



Original Peak Response = 344747308



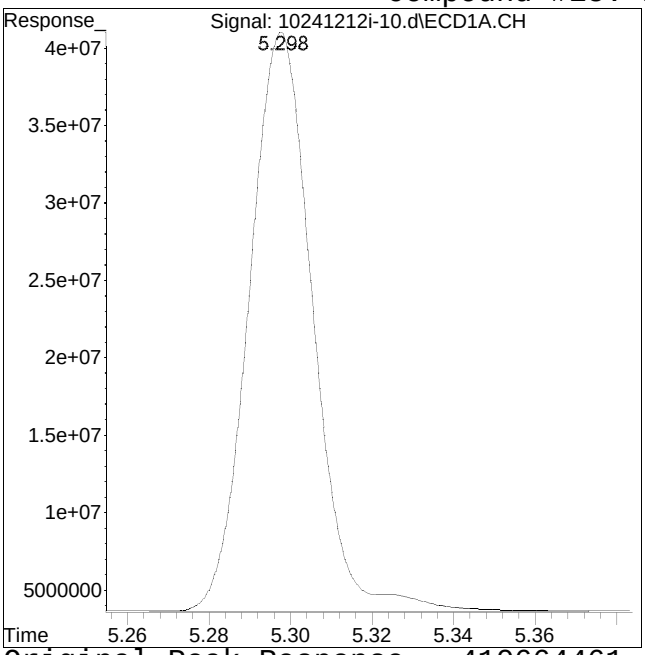
Manual Peak Response = 345812700 M4

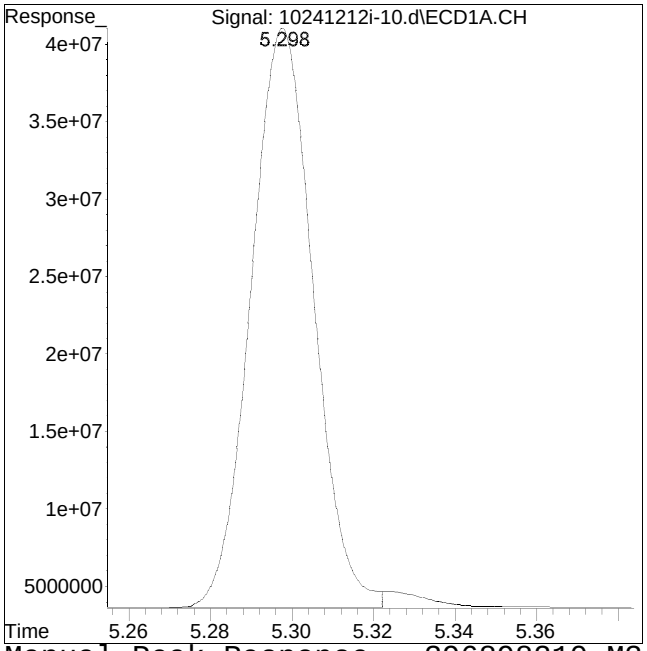
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-10.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:03 Instrument : Pest 10
Sample : il9pest,42e,,pp 11929 L0.1Quant Date : 12/13/2024 9:27 am

Compound #25: Endosulfan Sulfate



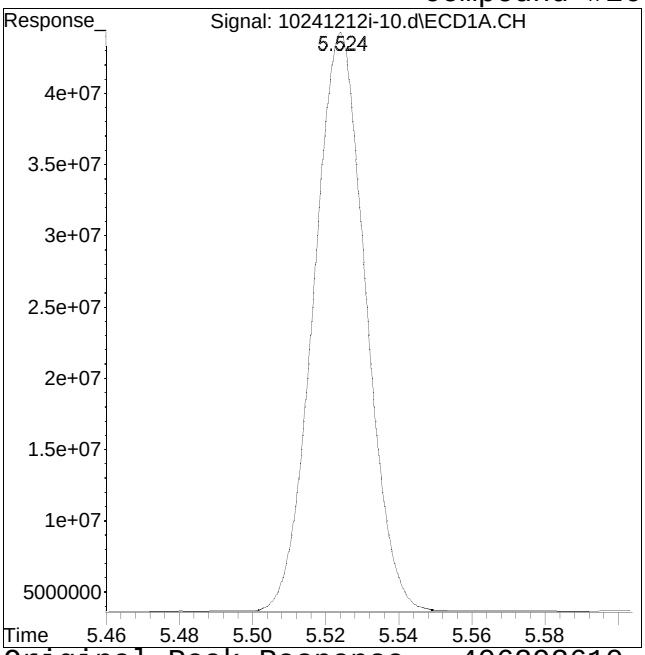


Original Peak Response = 410664461 Manual Peak Response = 396898210 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

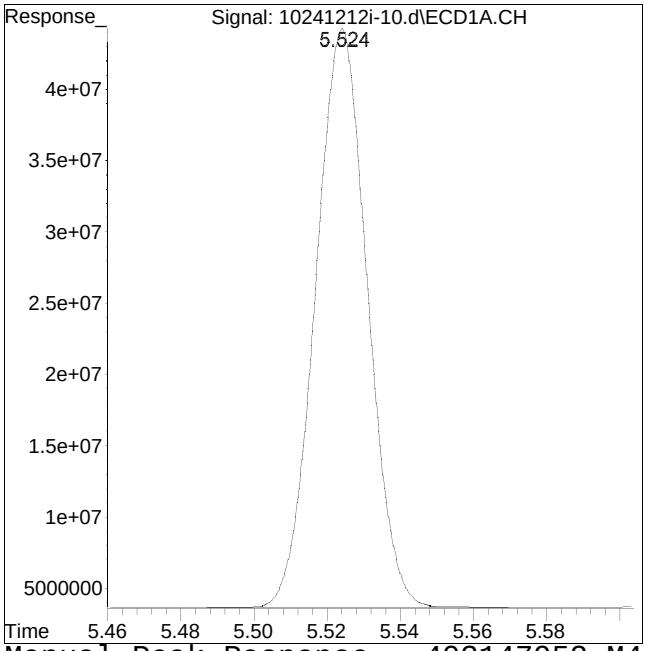
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-10.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:03 Instrument : Pest 10
Sample : il9pest,42e,,pp 11929 L0.1Quant Date : 12/13/2024 9:27 am

Compound #26: Endrin Ketone



Original Peak Response = 406292610



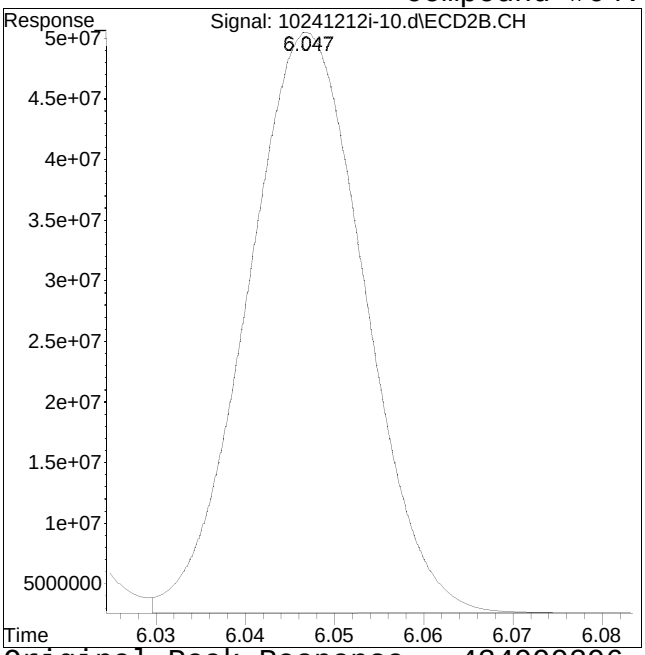
Manual Peak Response = 403147952 M4

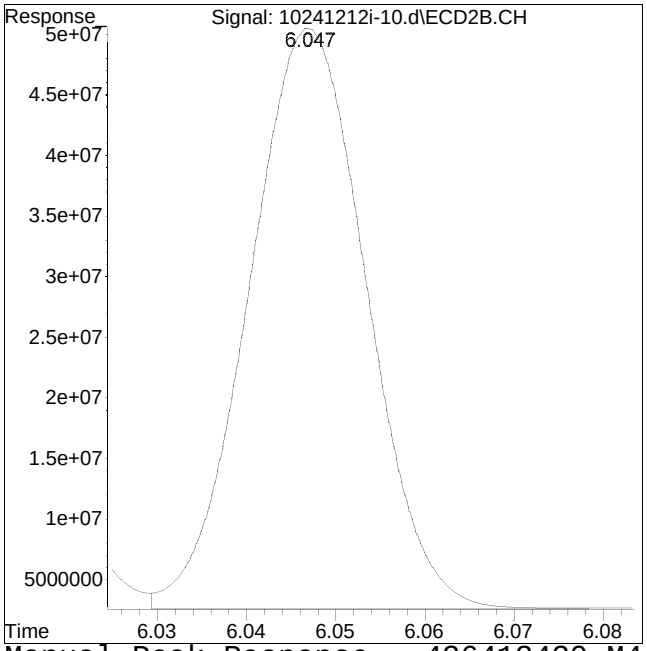
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-10.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:03 Instrument : Pest 10
Sample : il9pest,42e,,pp 11929 L0.1Quant Date : 12/13/2024 9:27 am

Compound #64: Endrin Ketone #2



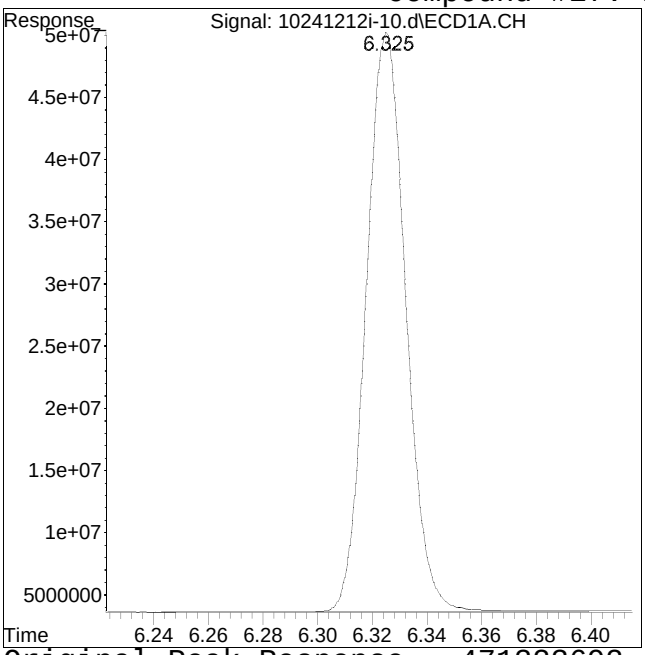


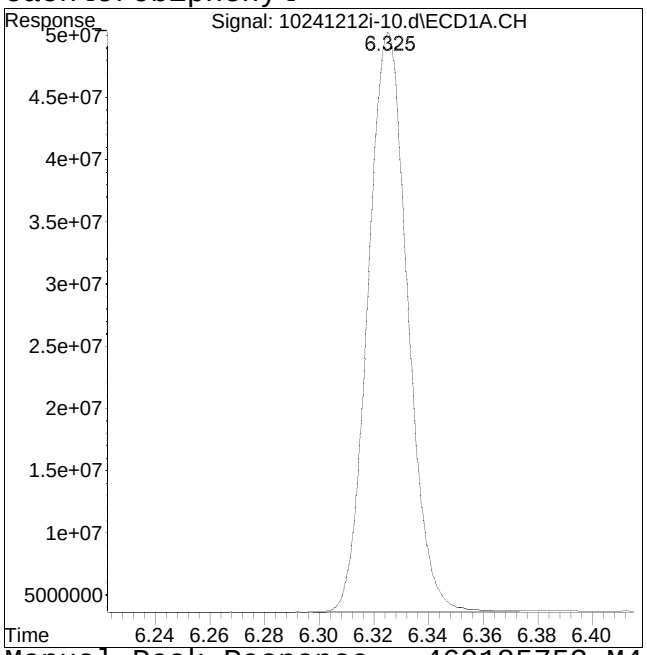
Original Peak Response = 434999396 Manual Peak Response = 436413430 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-10.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:03 Instrument : Pest 10
Sample : il9pest,42e,,pp 11929 L0.1Quant Date : 12/13/2024 9:27 am

Compound #27: Decachlorobiphenyl



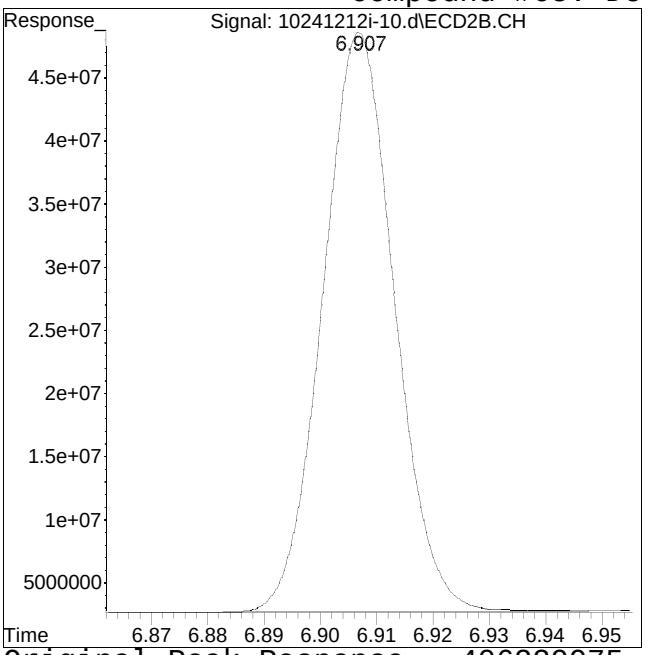


Original Peak Response = 471323692 Manual Peak Response = 469185753 M4
M4 = Poor automated baseline construction.

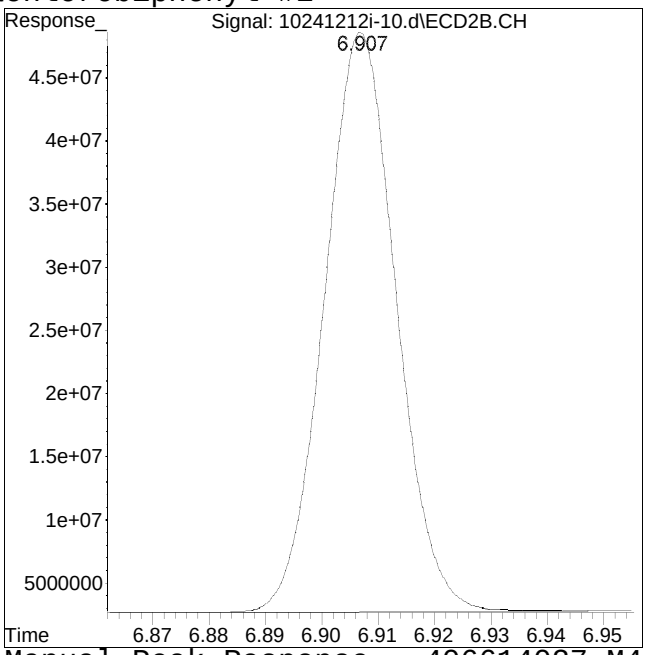
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-10.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:03 Instrument : Pest 10
Sample : il9pest,42e,,pp 11929 L0.1Quant Date : 12/13/2024 9:27 am

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 406229975



Manual Peak Response = 406614027 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 21:14
Operator : PEST10:ejl
Sample : il10pest,42e,,pp 11929 L0.2
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 09:40:15 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 09:33:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.325	1.365	79432206	73068058	25.000M3	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.672	1.837	930.9E6	738.5E6	173.084M3	193.261M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		346.17%#	386.52%#
27) s	Decachlorobi	6.324	6.907	849.5E6	768.1E6	176.779M4	188.584
	Spiked Amount 50.000	Range 30 - 150		Recovery =		353.56%#	377.17%#
	Target Compounds						
3) t	Hexachlorobe	1.888	2.155	962.2E6	787.3E6	173.272M3	192.284
4) t	alpha-BHC	1.987	2.249	997.3E6	1077.1E6	178.183M4	199.302M3
5) t	gamma-BHC (l	2.192	2.534	878.1E6	966.7E6	179.379M3	199.615
6) t	beta-BHC	2.248	2.598	410.2E6	412.2E6	184.943M4	198.302M3
7) t	delta-BHC	2.378	2.863	948.1E6	1017.1E6	182.234M4	202.479M4
8) t	Heptachlor	2.543	2.928	788.9E6	914.3E6	179.739M4	196.976
9) t	Aldrin	2.788	3.246	976.6E6	1016.8E6	178.960M4	198.619
10) t	Alachlor	2.907	3.129	119.0E6	114.5E6	173.366M3	184.102
11) t	Chlorpyrifos	3.000	3.482	367.6E6	407.4E6	177.511M4	187.928

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 21:14
Operator : PEST10:ejl
Sample : il10pest,42e,,pp 11929 L0.2
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 09:40:15 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 09:33:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.337	3.859	855.4E6	919.3E6	181.236M4	198.611
13)	t	gamma-Chlord	3.463	4.078	841.0E6	868.2E6	185.240M3	201.866M4
14)	t	alpha-Chlord	3.598	4.250	962.9E6	977.4E6	182.176M3	199.006
15)	t	4,4'-DDE	3.696	4.450	1035.3E6	1024.8E6	181.689M4	199.604
16)	t	Endosulfan I	3.735	4.312	864.1E6	895.4E6	183.044M4	198.394
17)	t	Dieldrin	3.997	4.605	920.8E6	949.6E6	184.189M4	199.989M4
18)	t	Endrin	4.252	4.904	854.3E6	924.9E6	183.764M4	197.420M4
19)	t	4,4'-DDD	4.359	5.029	648.2E6	740.5E6	186.953M4	200.715M4
20)	t	Endosulfan I	4.490	5.105	798.6E6	820.4E6	184.242M4	197.460M4
21)	t	4,4'-DDT	4.651	5.308	635.6E6	781.4E6	186.635M4	199.279M4
22)	t	Endrin Aldeh	4.905	5.404	699.8E6	698.8E6	186.944	198.289M3
23)	t	Methoxychlor	5.137	5.876	318.1E6	393.7E6	182.266M4	191.609M4
24)	t	Mirex	5.196	6.011	633.8E6	662.9E6	181.324M3	191.246
25)	t	Endosulfan S	5.296	5.633	734.9E6	743.5E6	182.404M3	195.986M4
26)	t	Endrin Keton	5.523	6.047	738.0E6	833.4E6	179.826M4	192.660
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 21:14
Operator : PEST10:ejl
Sample : il10pest,42e,,pp 11929 L0.2
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 09:40:15 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 09:33:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

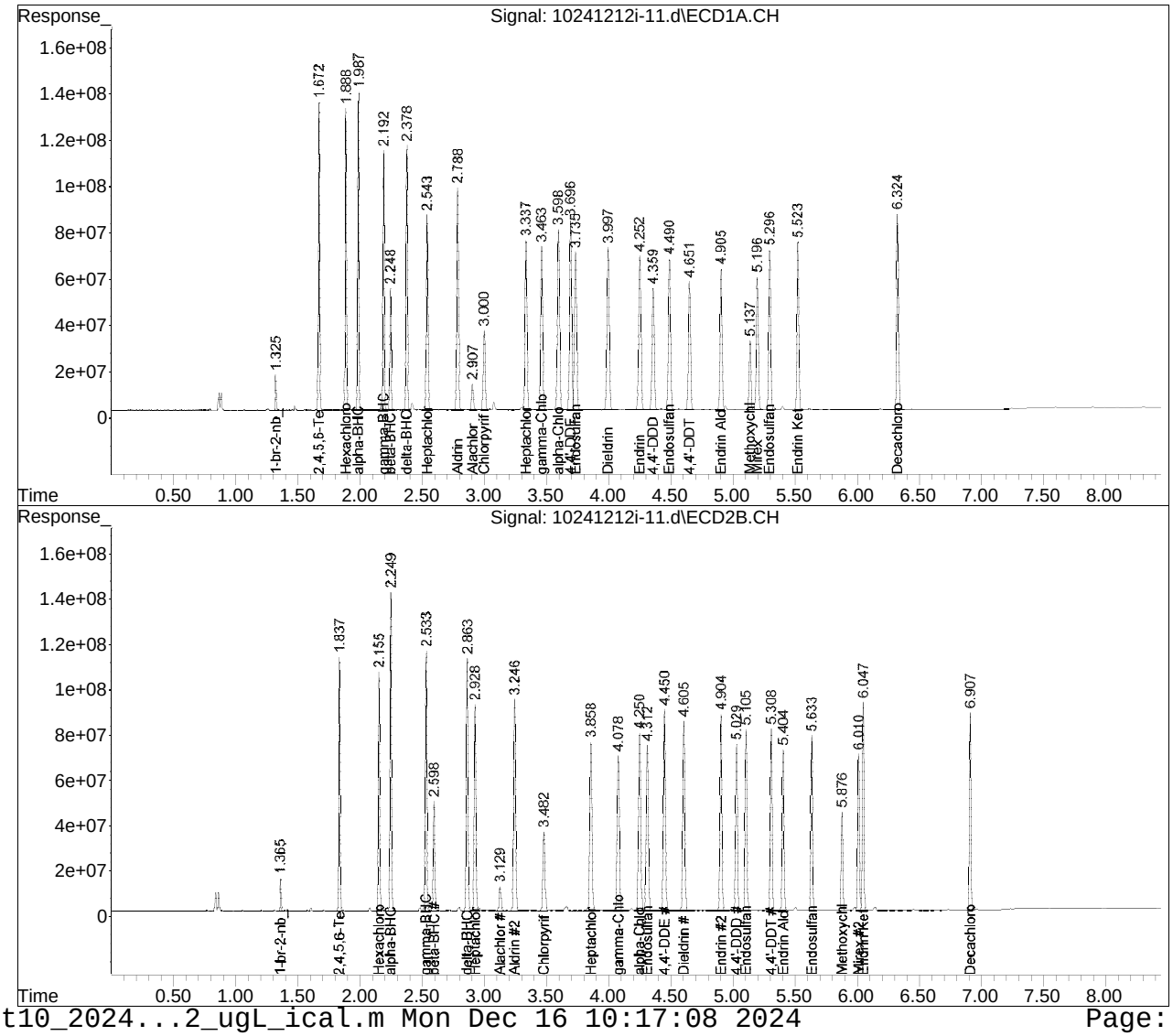
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 21:14
Operator : PEST10:ejl
Sample : il10pest,42e,,pp 11929 L0.2
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 09:40:15 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 09:33:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

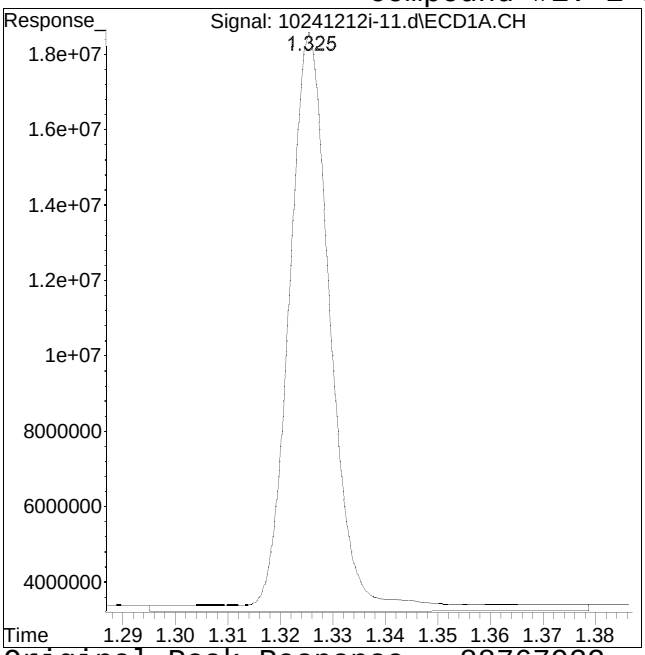
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

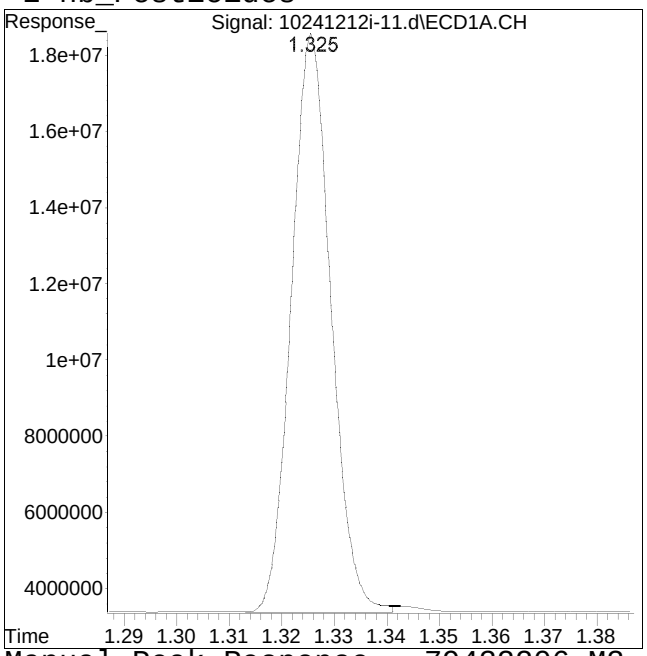


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-11.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:14 Instrument : Pest 10
Sample : il10pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:40 am

Compound #1: 1-br-2-nb_Pesticides





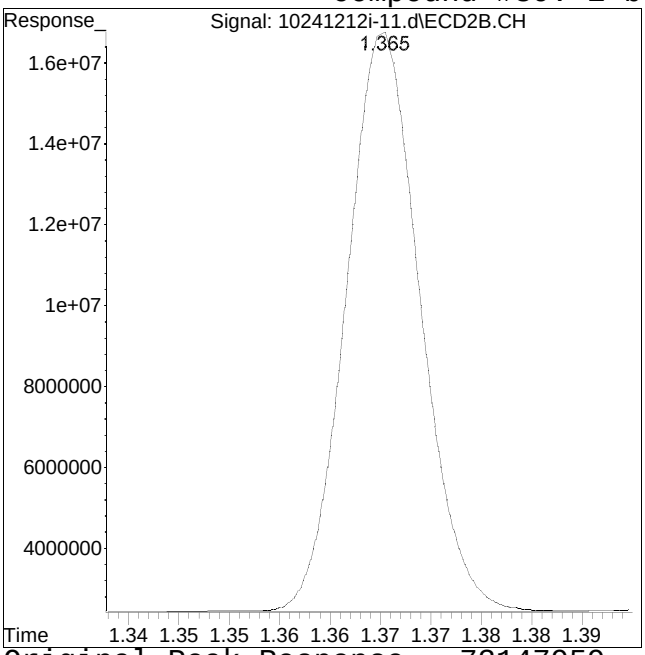
Original Peak Response = 88767932 Manual Peak Response = 79432206 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

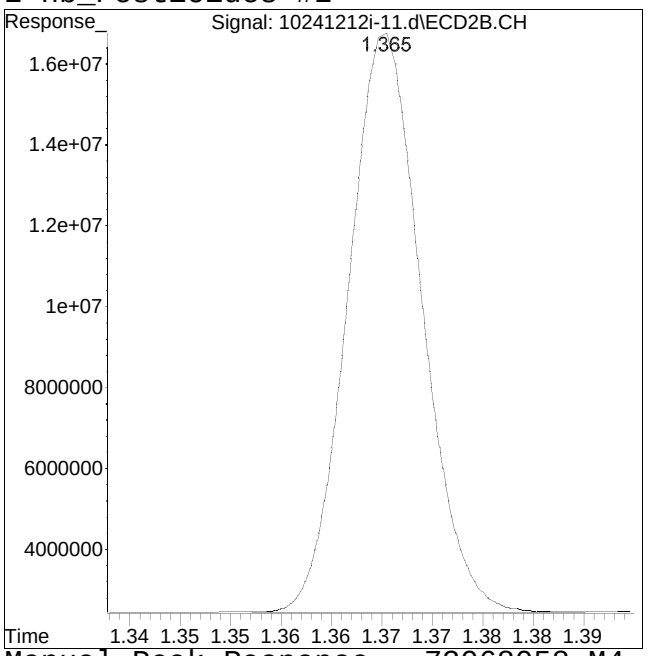
Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-11.d
Date Inj'd : 12/12/2024 21:14
Sample : il10pest,42e,,pp 11929 L0.

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 9:40 am

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 73147959



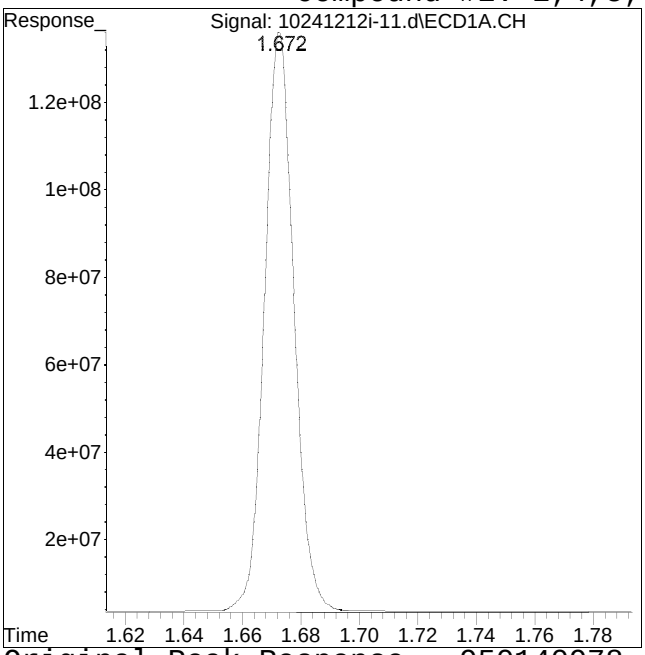
Manual Peak Response = 73068058 M4

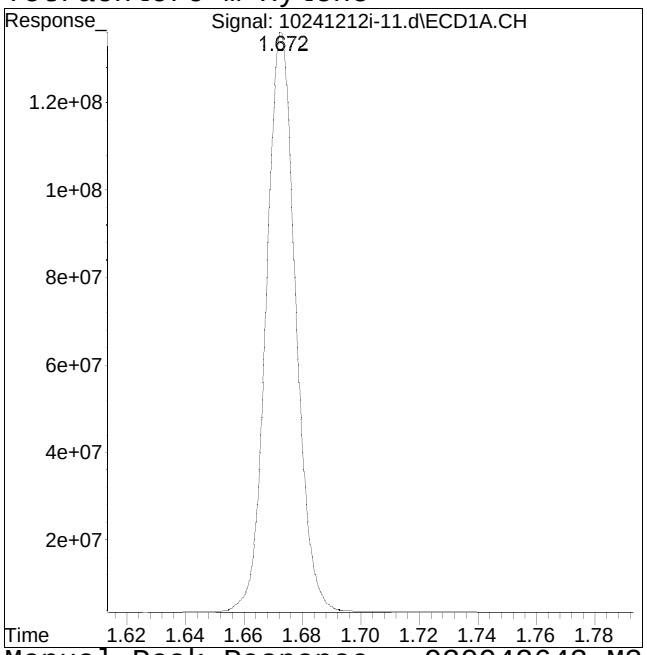
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-11.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:14 Instrument : Pest 10
Sample : il10pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:40 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



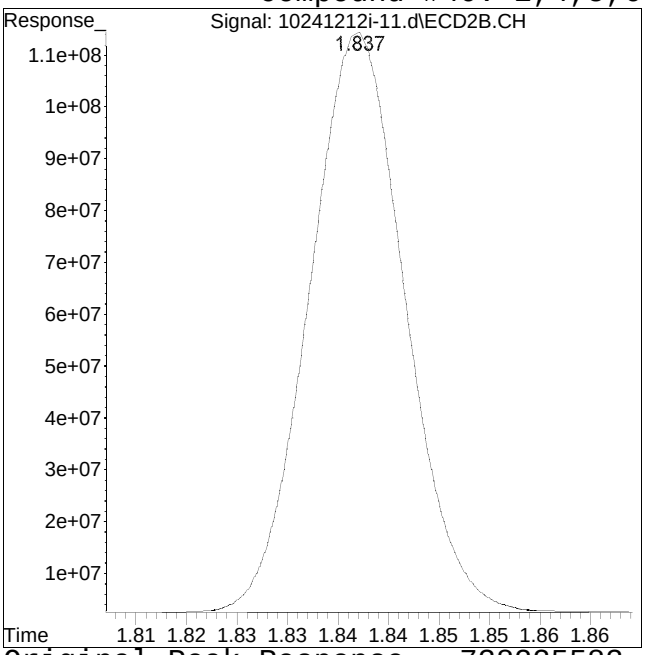


Original Peak Response = 950140978 Manual Peak Response = 930942643 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

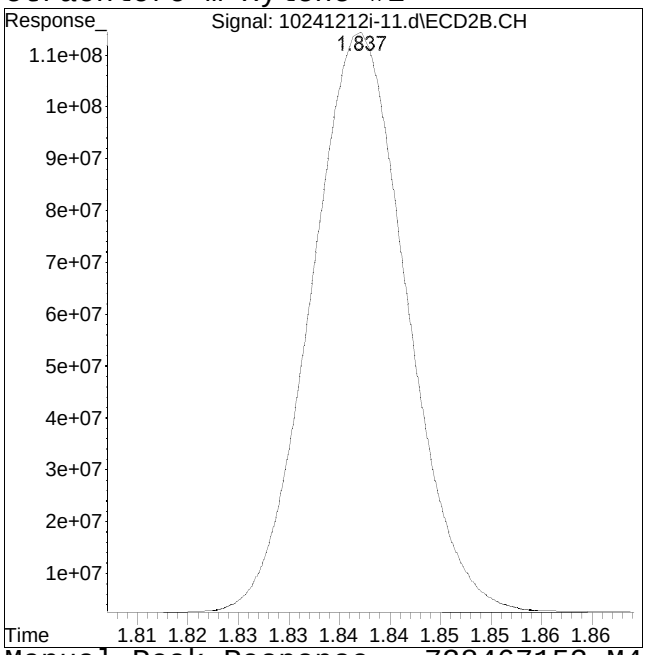
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-11.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:14 Instrument : Pest 10
Sample : il10pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:40 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 738225583



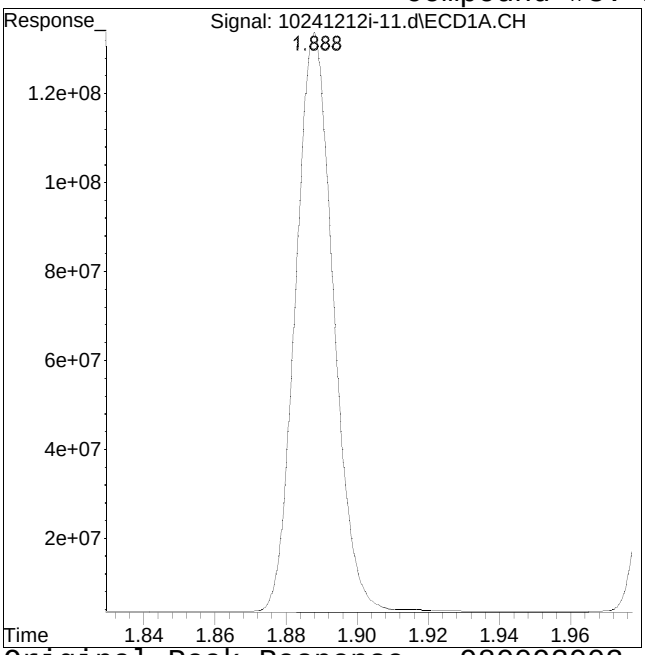
Manual Peak Response = 738467153 M4

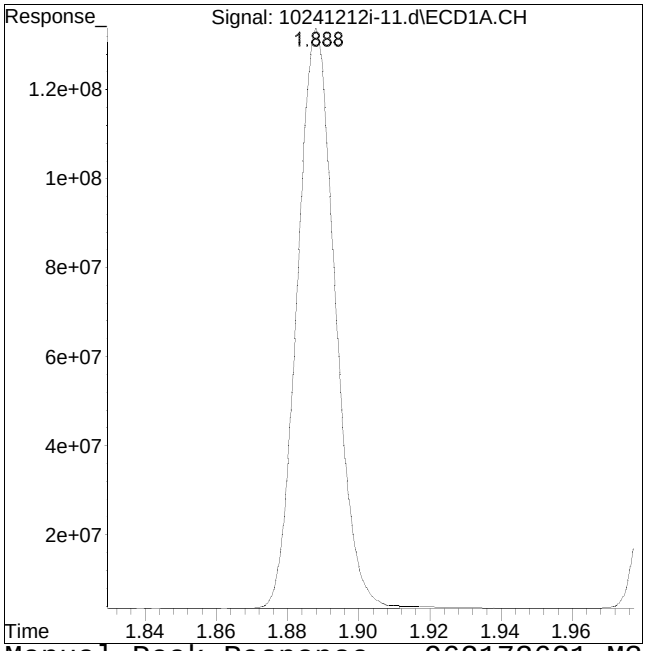
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-11.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:14 Instrument : Pest 10
Sample : il10pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:40 am

Compound #3: Hexachlorobenzene



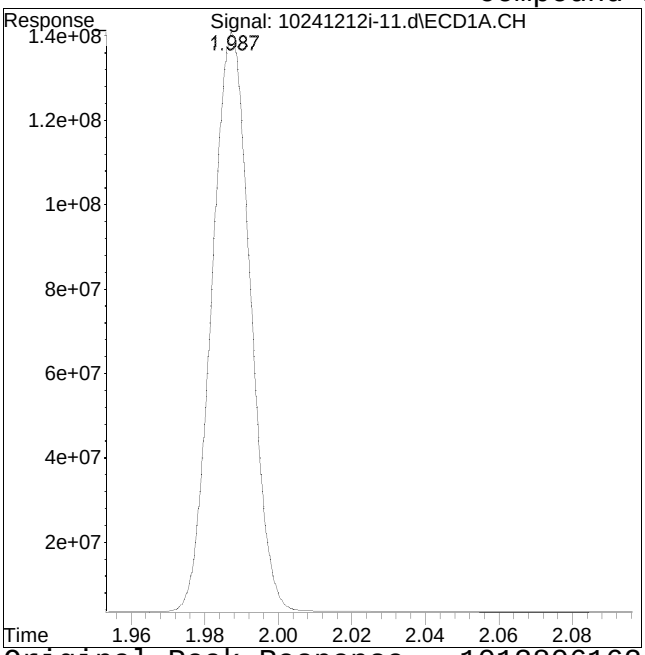


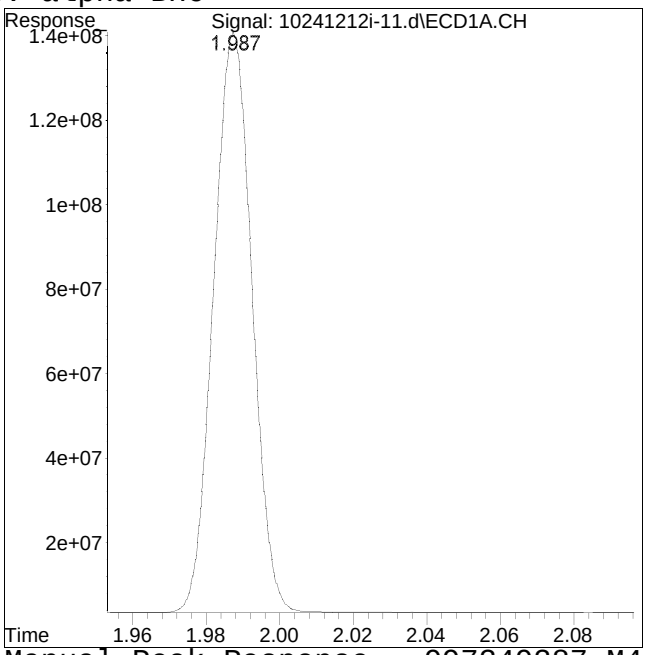
Original Peak Response = 980093903 Manual Peak Response = 962173621 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-11.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:14 Instrument : Pest 10
Sample : il10pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:40 am

Compound #4: alpha-BHC



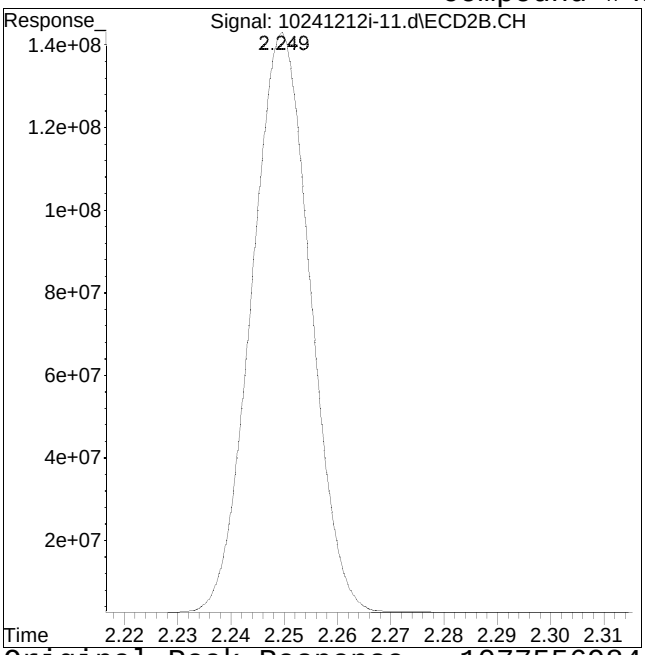


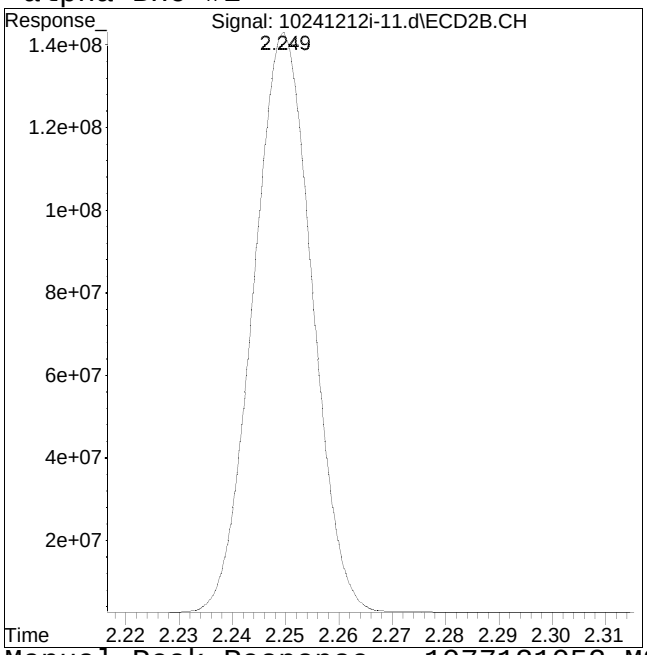
Original Peak Response = 1013806162 Manual Peak Response = 997349387 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-11.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:14 Instrument : Pest 10
Sample : il10pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:40 am

Compound #42: alpha-BHC #2



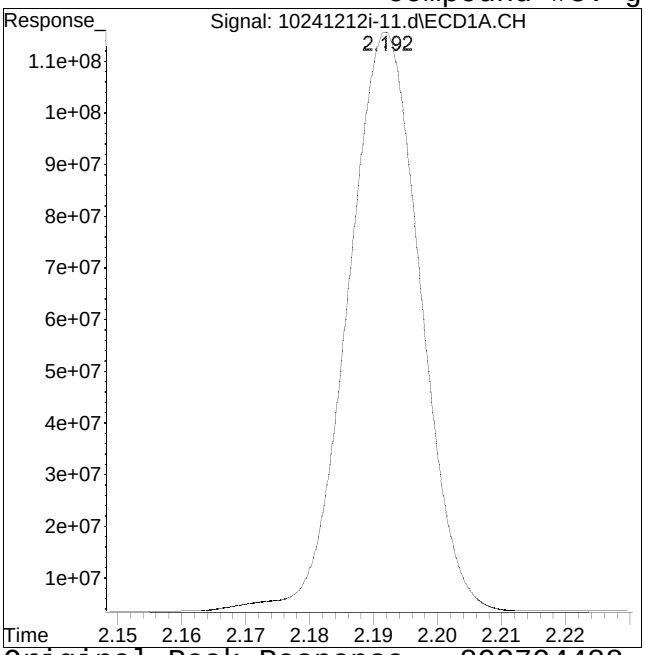


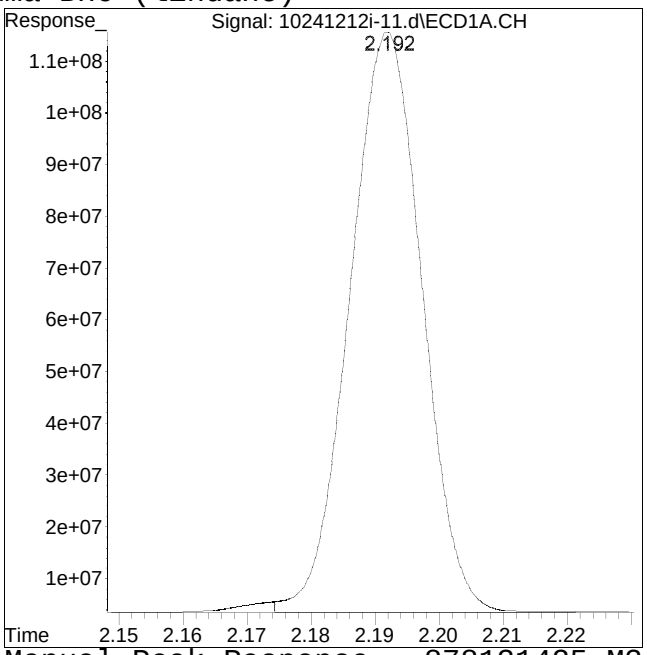
Original Peak Response = 1077556984 Manual Peak Response = 1077121052 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-11.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:14 Instrument : Pest 10
Sample : il10pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:40 am

Compound #5: gamma-BHC (lindane)



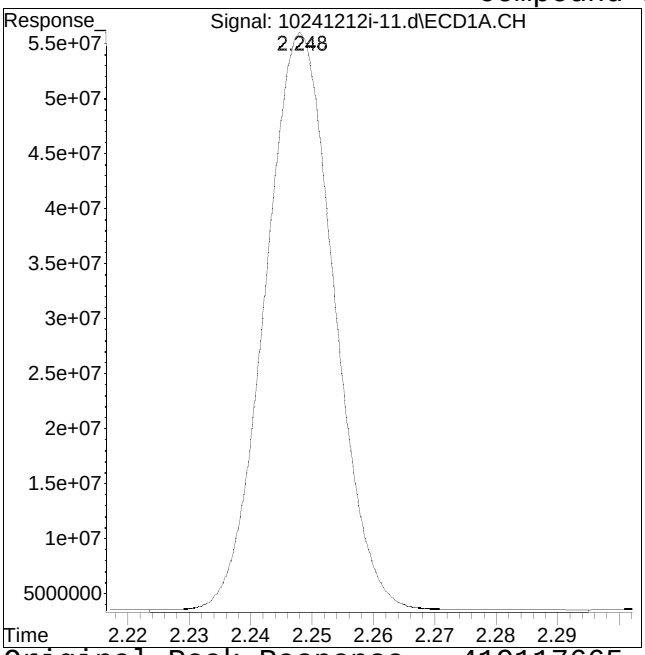


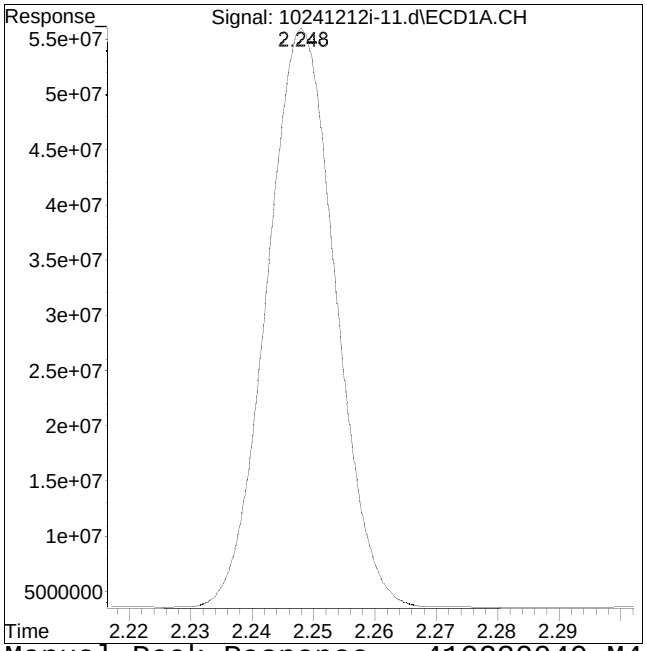
Original Peak Response = 893794488 Manual Peak Response = 878131425 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-11.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:14 Instrument : Pest 10
Sample : il10pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:40 am

Compound #6: beta-BHC



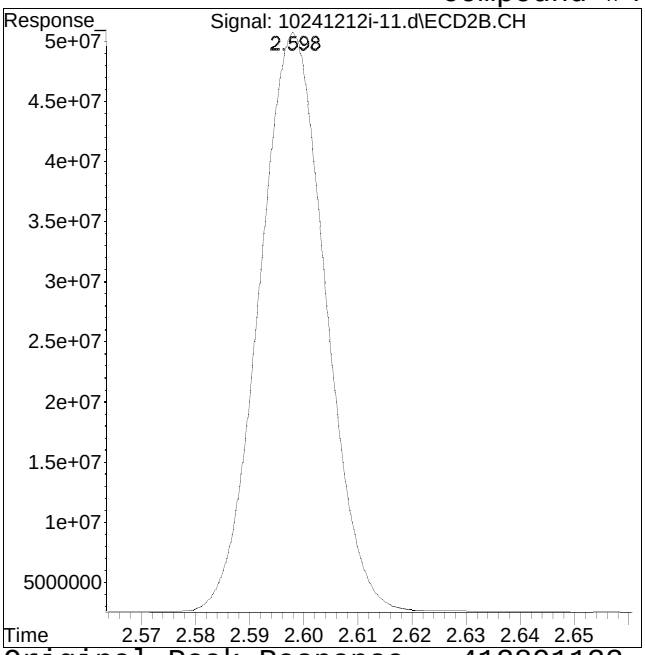


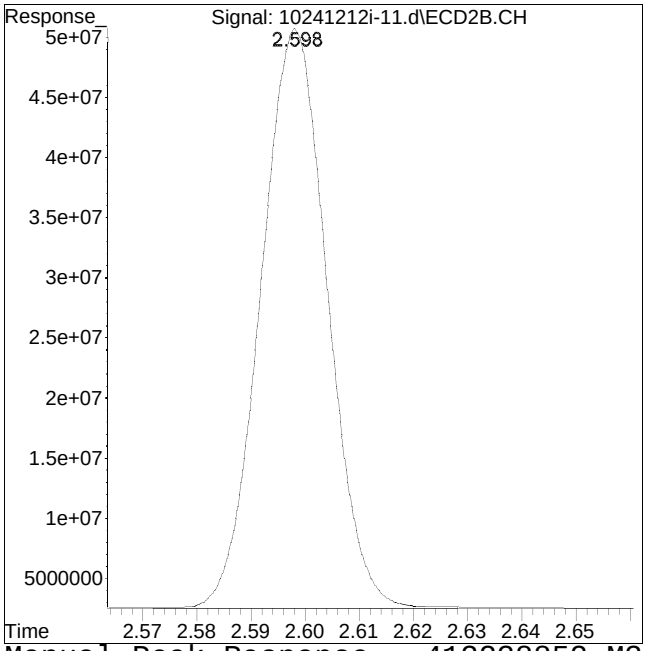
Original Peak Response = 419117665 Manual Peak Response = 410230040 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-11.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:14 Instrument : Pest 10
Sample : il10pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:40 am

Compound #44: beta-BHC #2



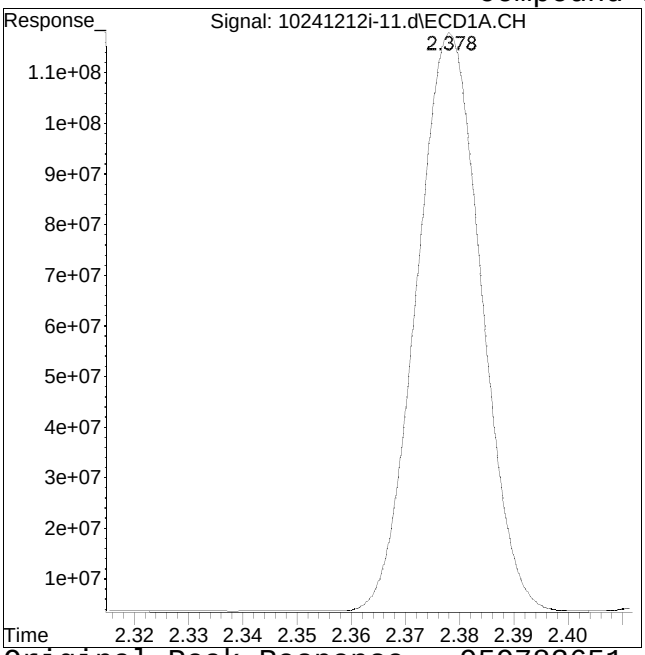


Original Peak Response = 412891133 Manual Peak Response = 412238852 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

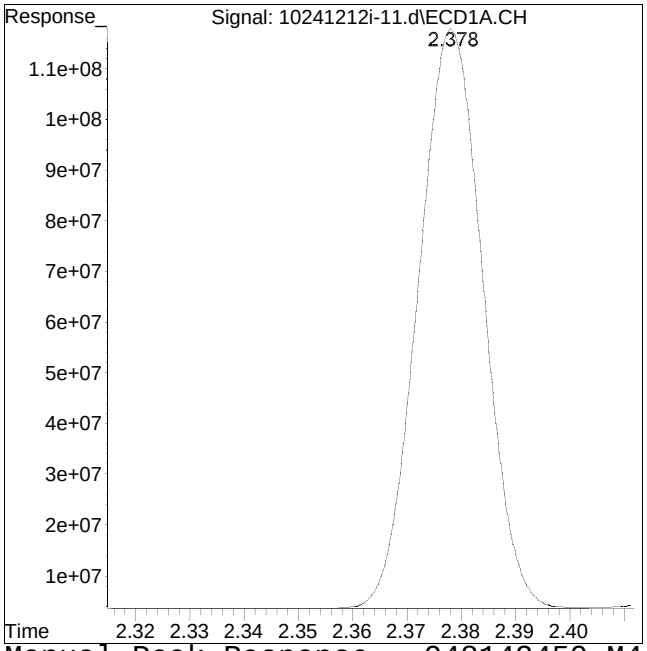
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-11.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:14 Instrument : Pest 10
Sample : il10pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:40 am

Compound #7: delta-BHC



Original Peak Response = 959783651



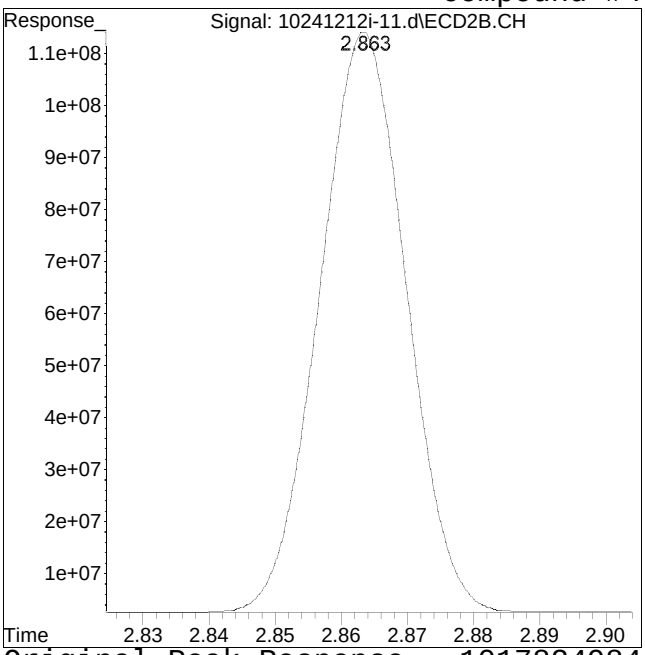
Manual Peak Response = 948142450 M4

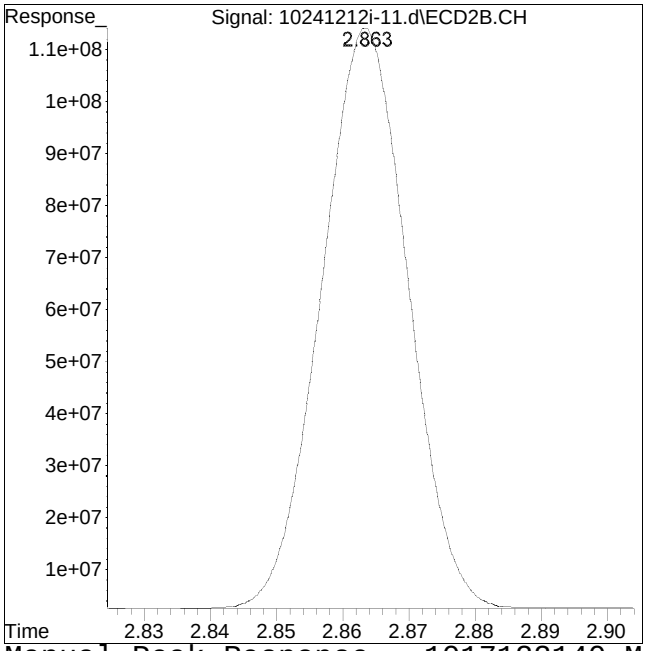
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-11.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:14 Instrument : Pest 10
Sample : il10pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:40 am

Compound #45: delta-BHC #2



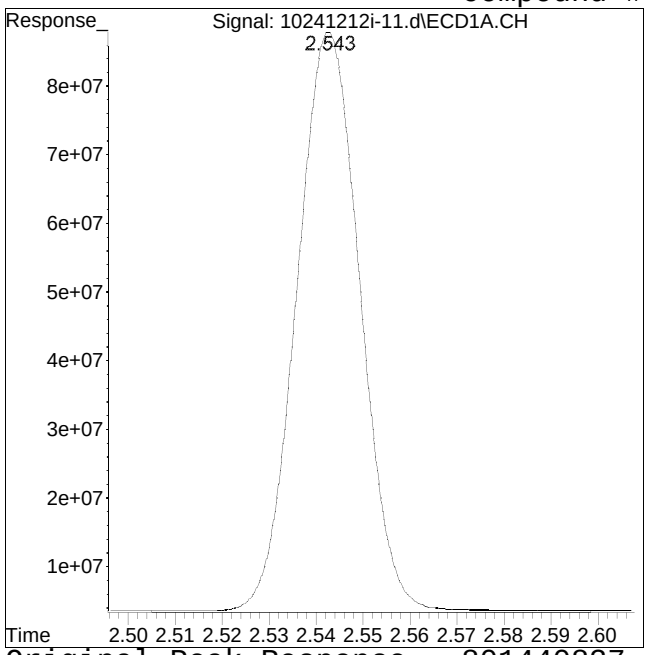


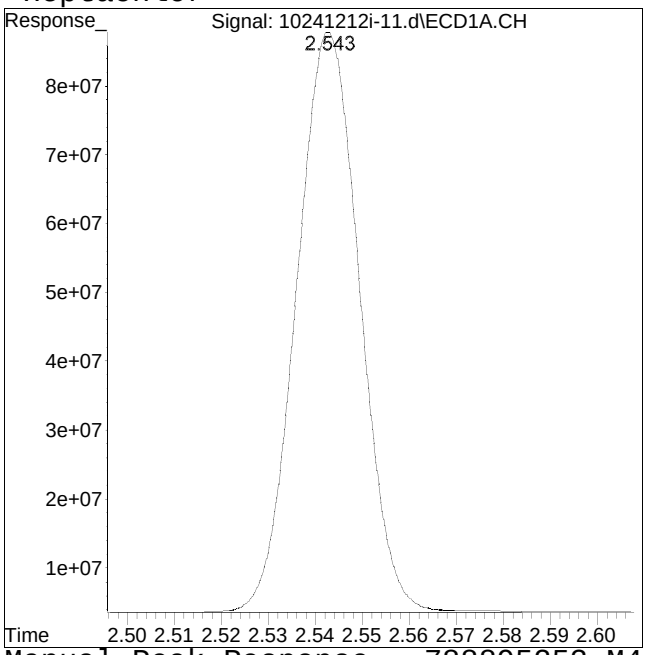
Original Peak Response = 1017824984 Manual Peak Response = 1017122140 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-11.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:14 Instrument : Pest 10
Sample : il10pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:40 am

Compound #8: Heptachlor



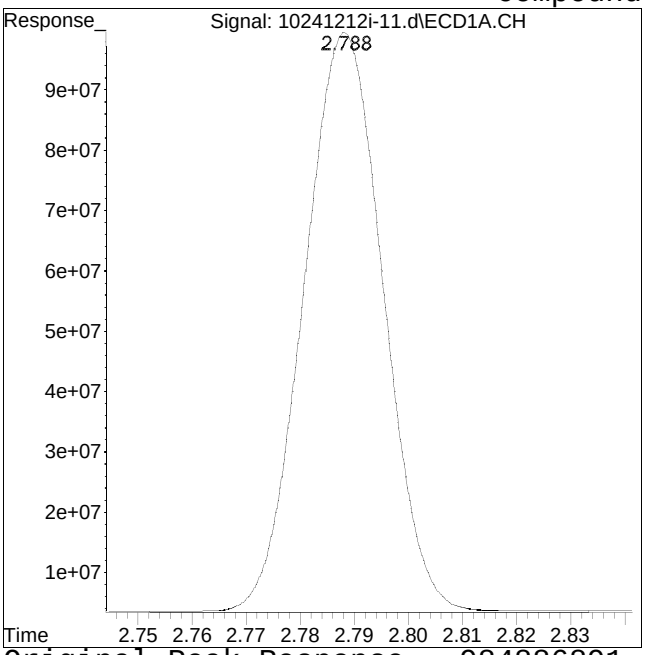


Original Peak Response = 801440837 Manual Peak Response = 788895253 M4
M4 = Poor automated baseline construction.

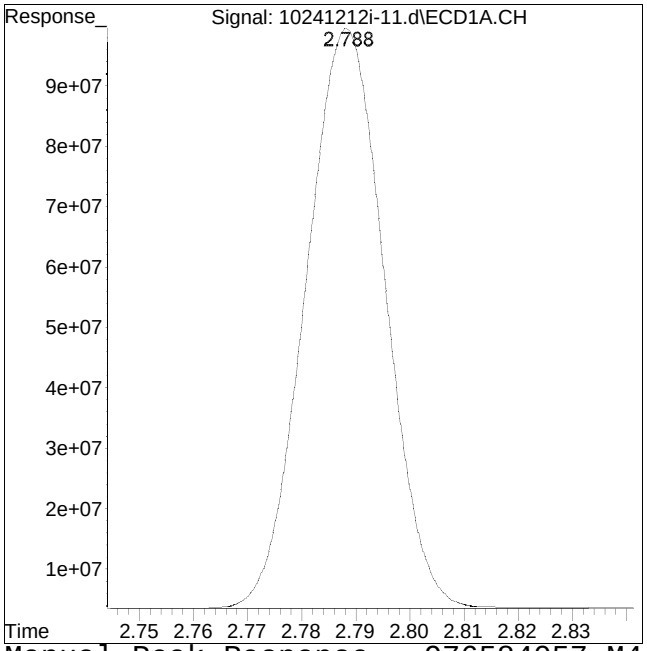
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-11.d
Date Inj'd : 12/12/2024 21:14
Sample : il10pest,42e,,pp 11929 L0
Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 9:40 am

Compound #9: Aldrin



Original Peak Response = 984886891



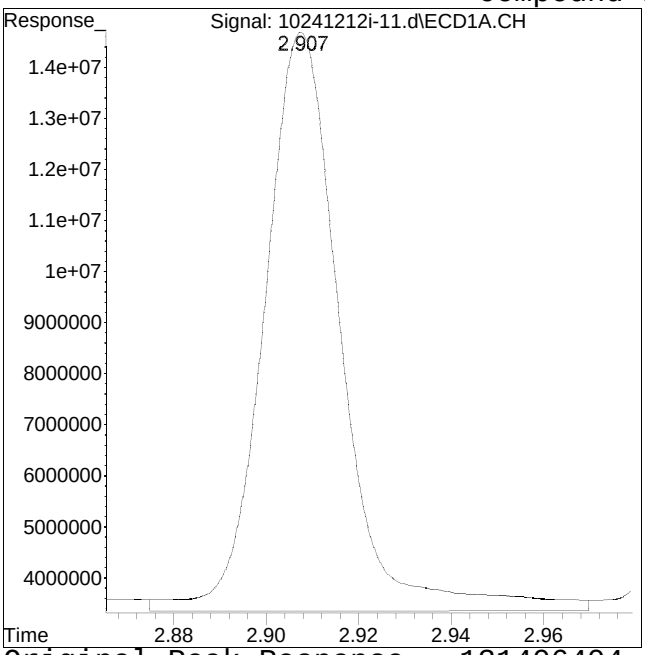
Manual Peak Response = 976584057 M4

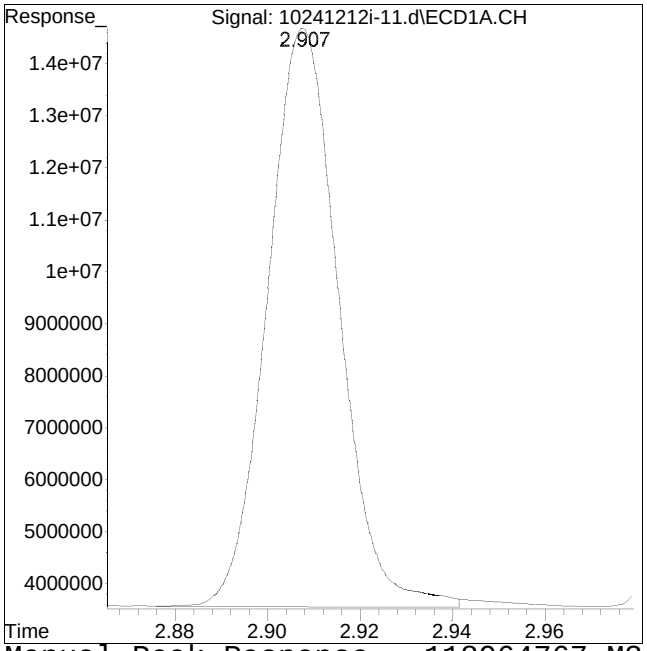
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-11.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:14 Instrument : Pest 10
Sample : il10pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:40 am

Compound #10: Alachlor



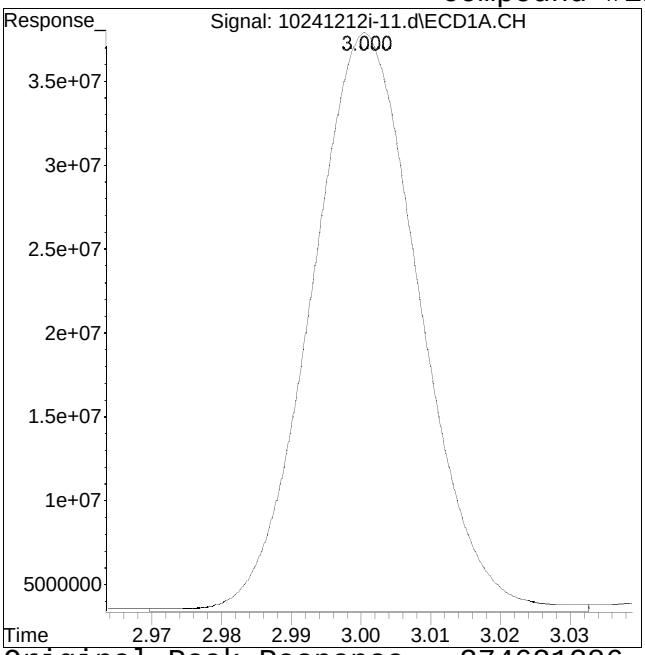


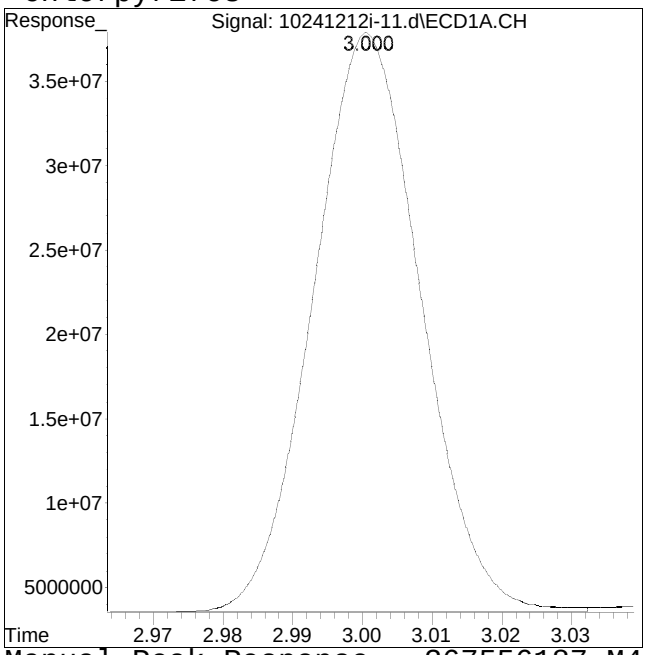
Original Peak Response = 131406404 Manual Peak Response = 118964767 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-11.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:14 Instrument : Pest 10
Sample : il10pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:40 am

Compound #11: Chlorpyrifos





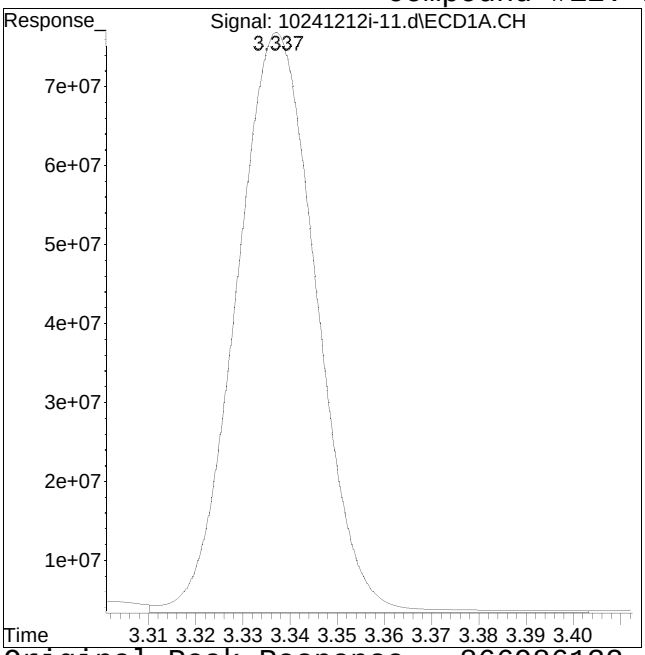
Original Peak Response = 374621286 Manual Peak Response = 367556187 M4
M4 = Poor automated baseline construction.

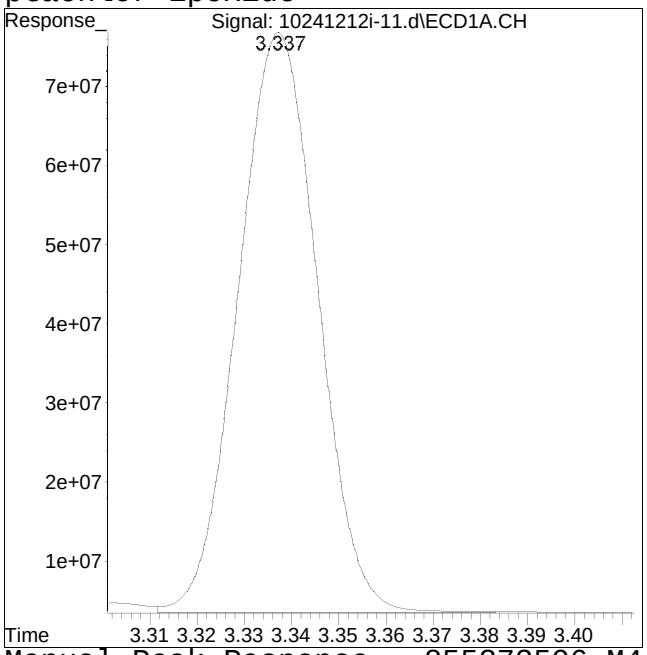
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-11.d
Date Inj'd : 12/12/2024 21:14
Sample : il10pest,42e,,pp 11929 L0.

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 9:40 am

Compound #12: Heptachlor Epoxide



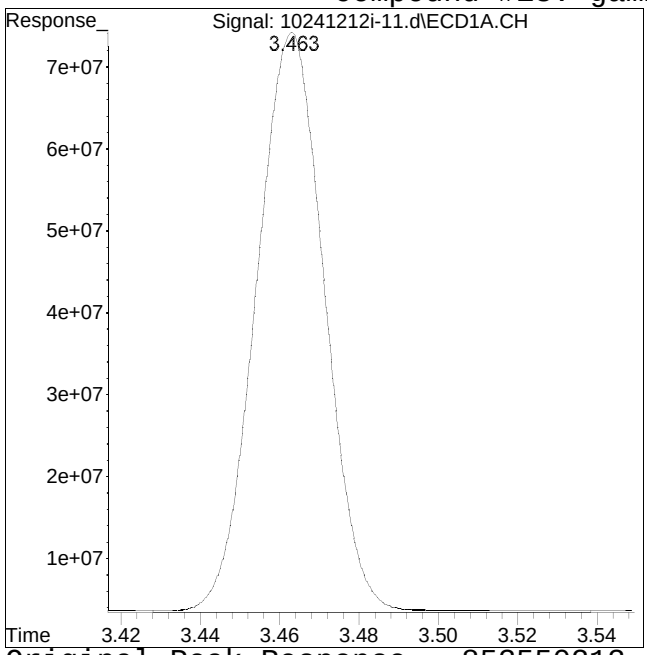


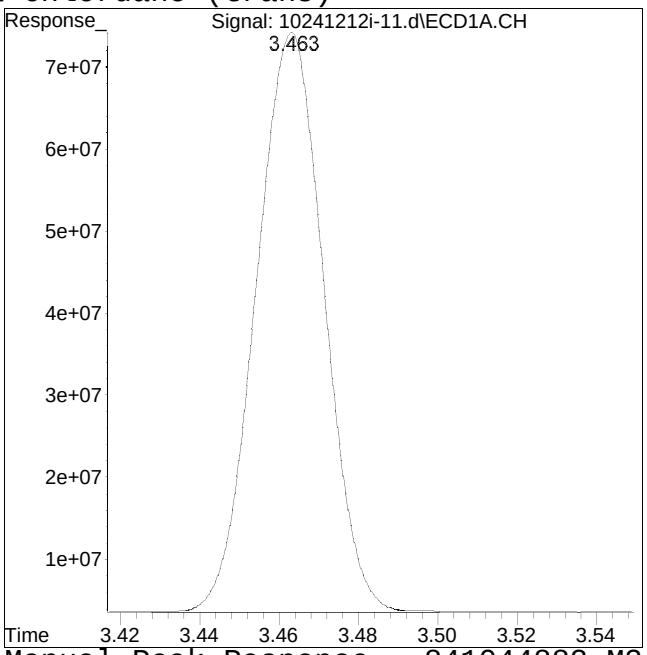
Original Peak Response = 866986132 Manual Peak Response = 855373596 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-11.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:14 Instrument : Pest 10
Sample : il10pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:40 am

Compound #13: gamma-Chlordane (trans)



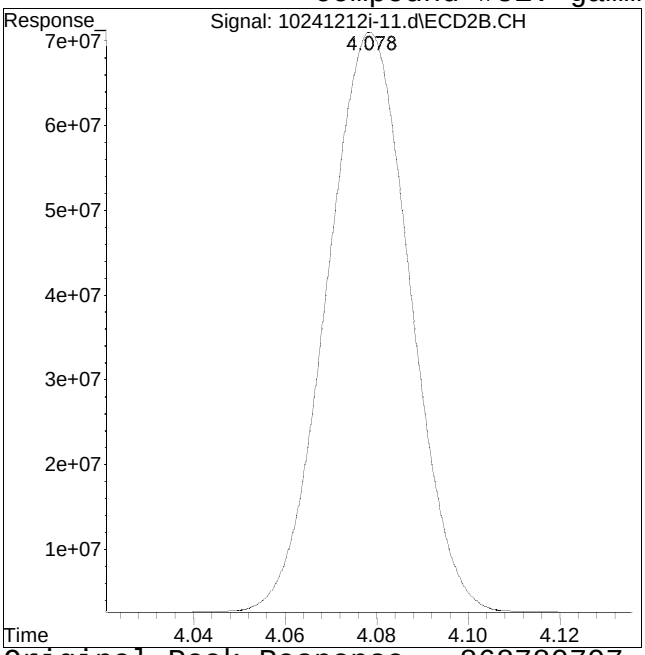


Original Peak Response = 853550213 Manual Peak Response = 841044882 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

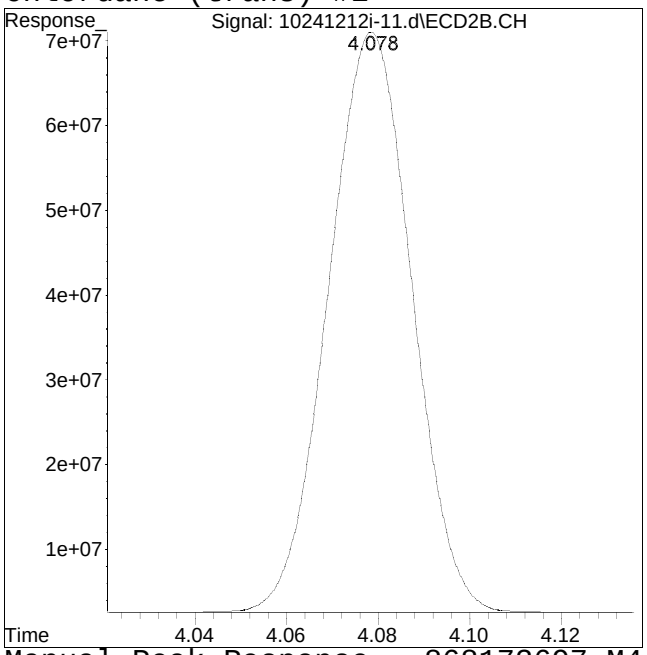
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-11.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:14 Instrument : Pest 10
Sample : il10pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:40 am

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 868780707



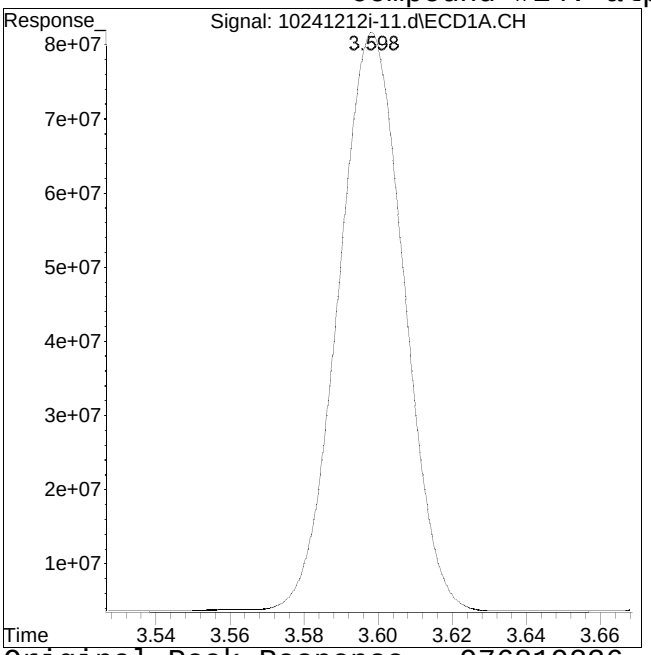
Manual Peak Response = 868173697 M4

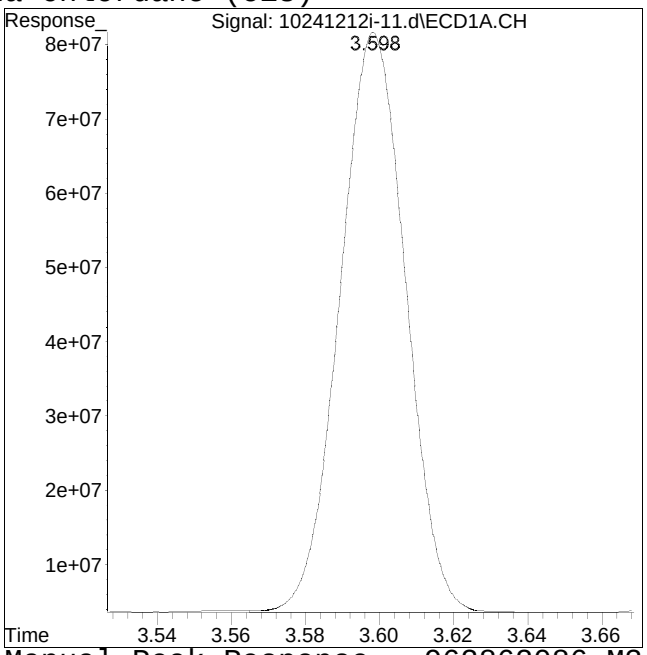
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-11.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:14 Instrument : Pest 10
Sample : il10pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:40 am

Compound #14: alpha-Chlordane (cis)



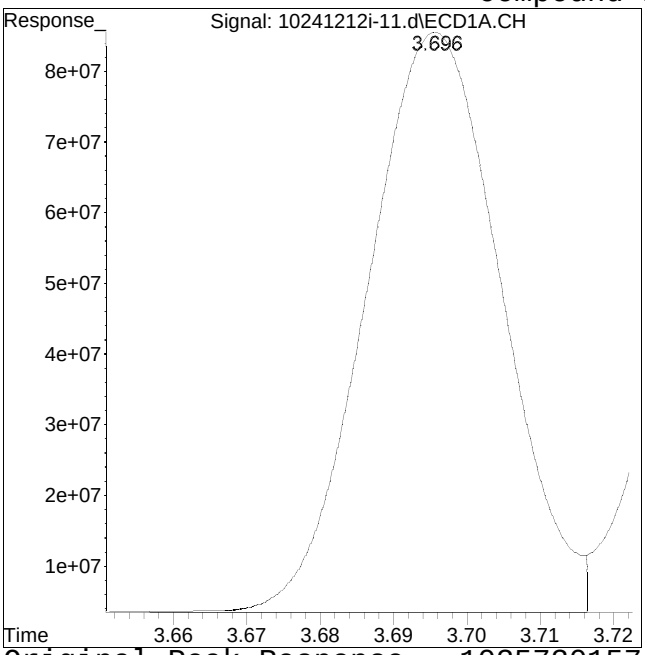


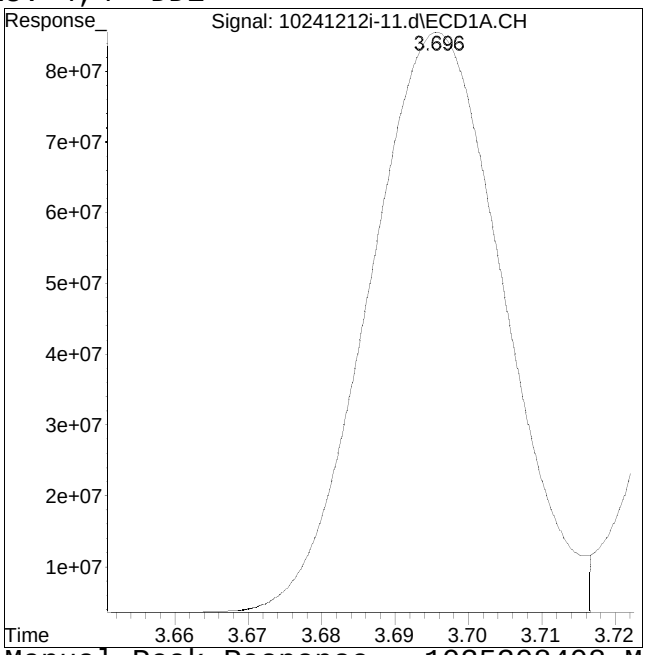
Original Peak Response = 976819236 Manual Peak Response = 962862086 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-11.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:14 Instrument : Pest 10
Sample : il10pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:40 am

Compound #15: 4,4'-DDE



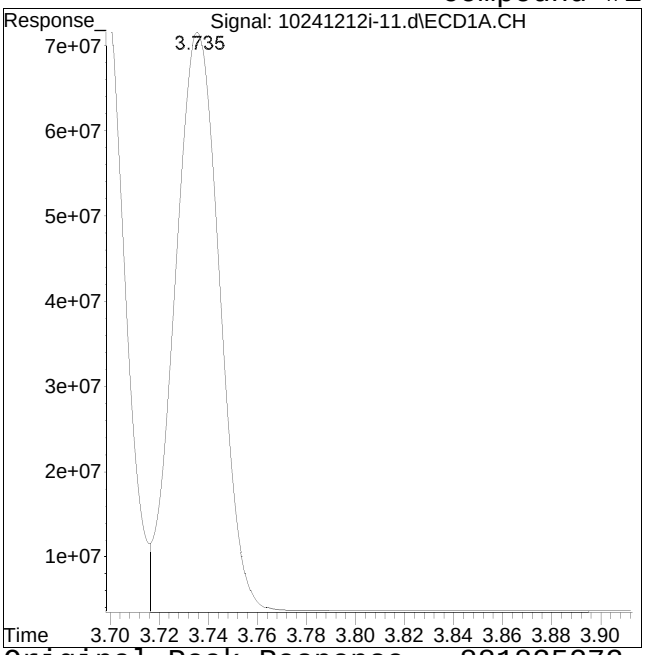


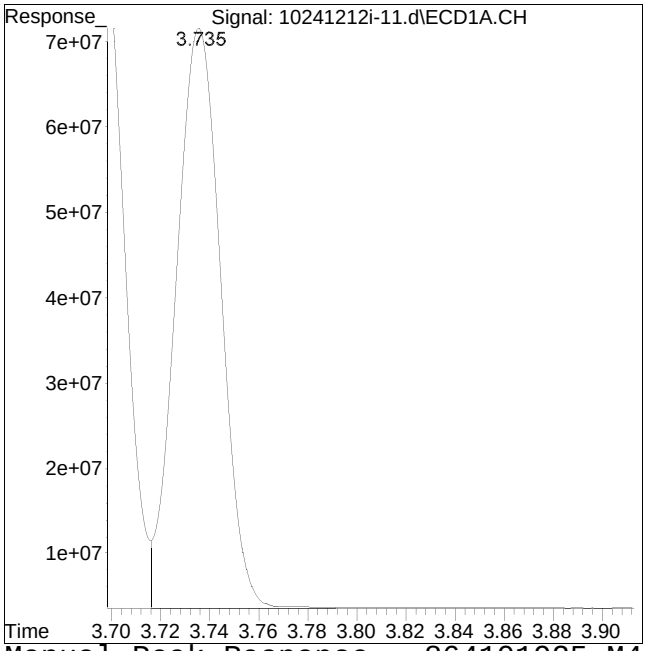
Original Peak Response = 1035730157 Manual Peak Response = 1035308408 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-11.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:14 Instrument : Pest 10
Sample : il10pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:40 am

Compound #16: Endosulfan I



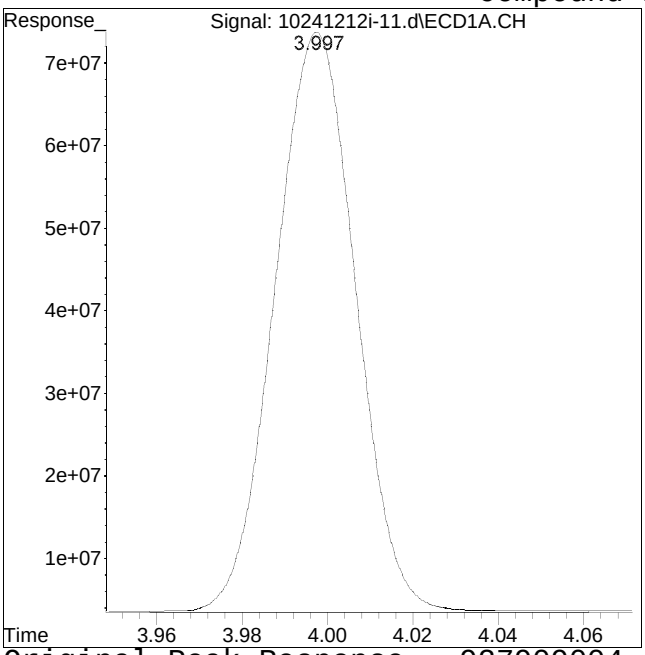


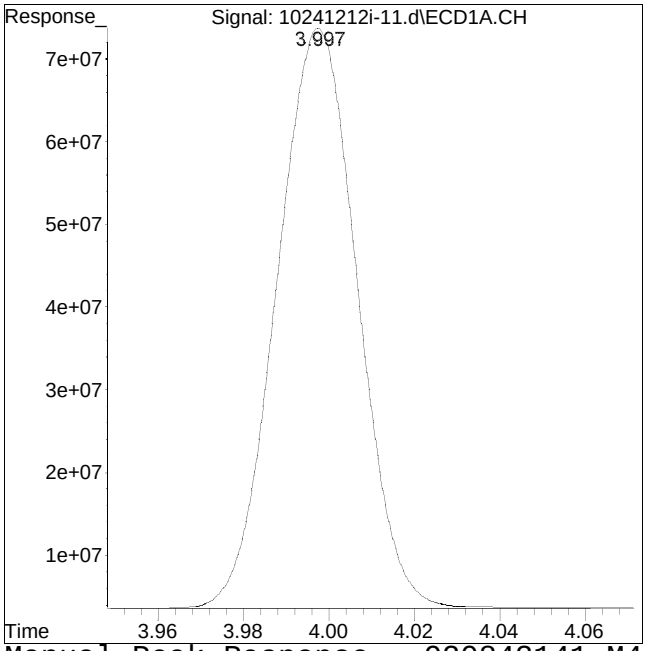
Original Peak Response = 881835272 Manual Peak Response = 864101925 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-11.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:14 Instrument : Pest 10
Sample : il10pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:40 am

Compound #17: Dieldrin



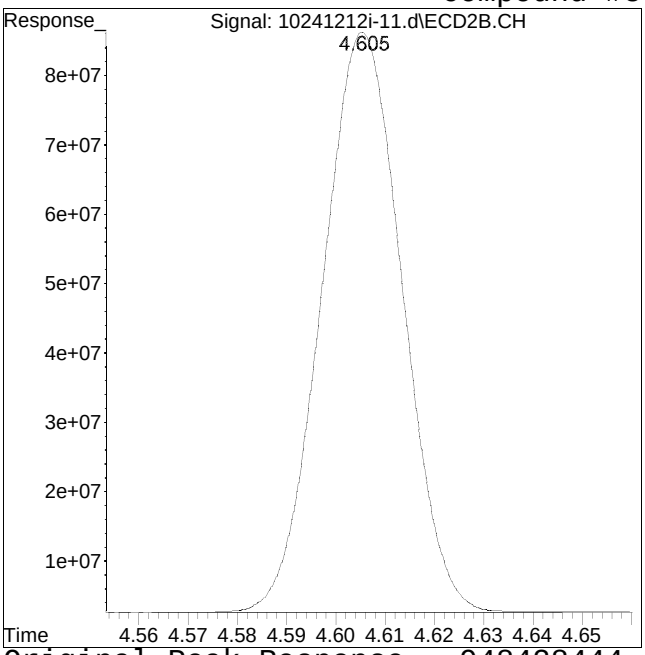


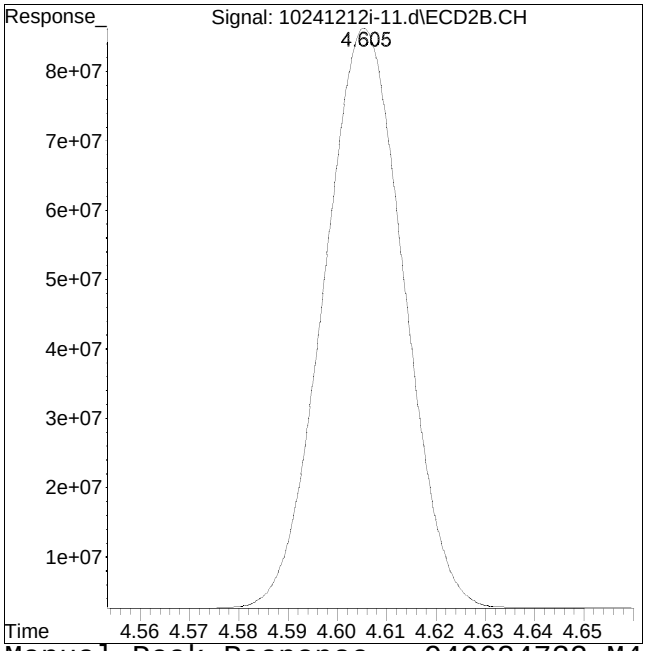
Original Peak Response = 927909004 Manual Peak Response = 920843141 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-11.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:14 Instrument : Pest 10
Sample : il10pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:40 am

Compound #55: Dieldrin #2





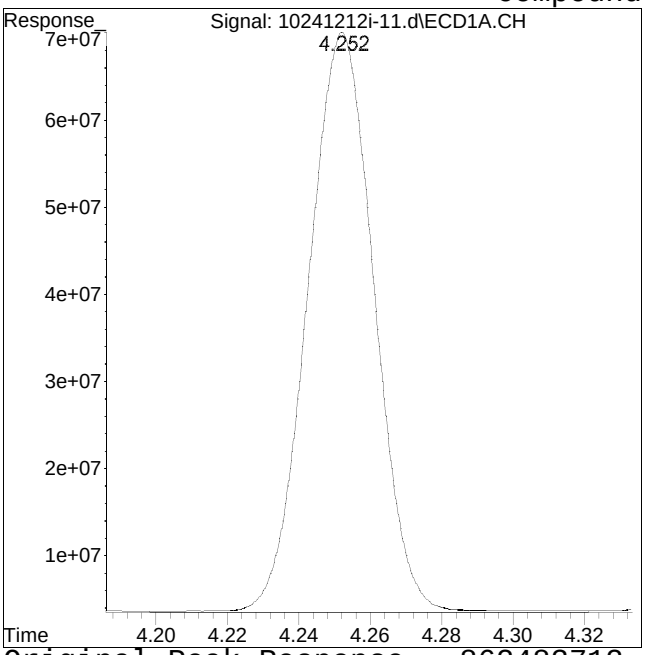
Original Peak Response = 948428444 Manual Peak Response = 949624732 M4
M4 = Poor automated baseline construction.

Manual Integration Report

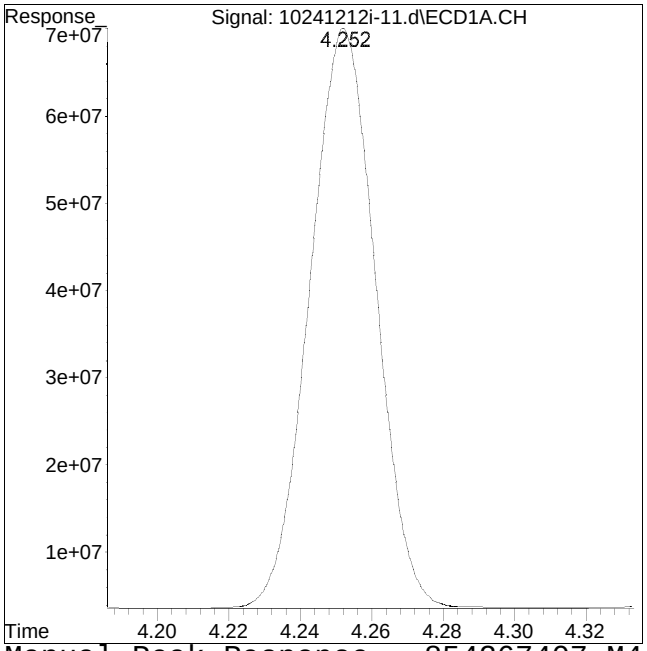
Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-11.d
Date Inj'd : 12/12/2024 21:14
Sample : il10pest,42e,,pp 11929 L0.

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 9:40 am

Compound #18: Endrin



Original Peak Response = 862483712



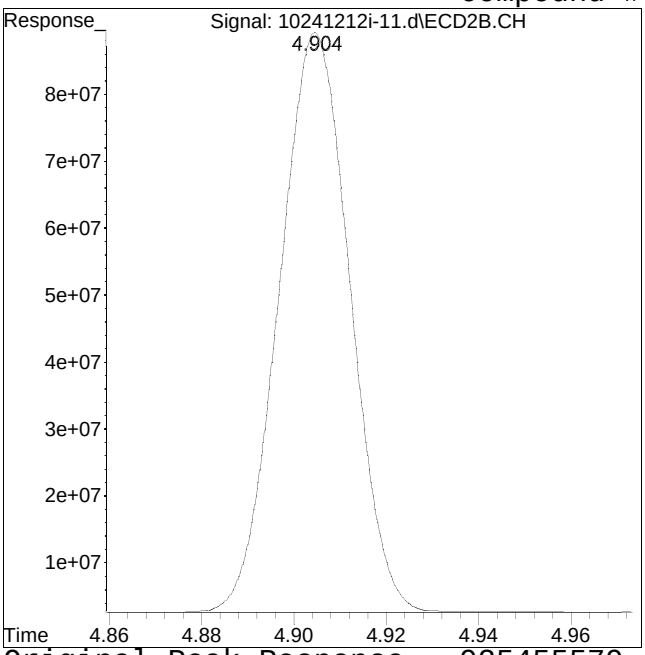
Manual Peak Response = 854267407 M4

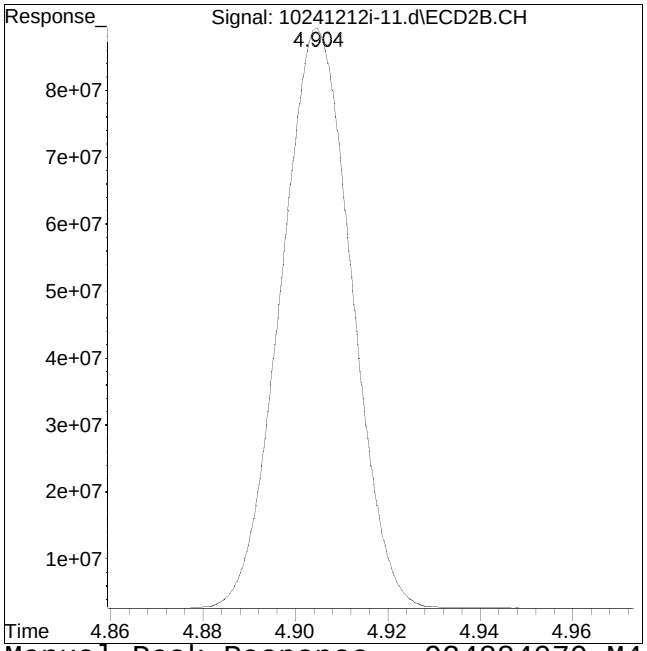
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-11.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:14 Instrument : Pest 10
Sample : il10pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:40 am

Compound #56: Endrin #2



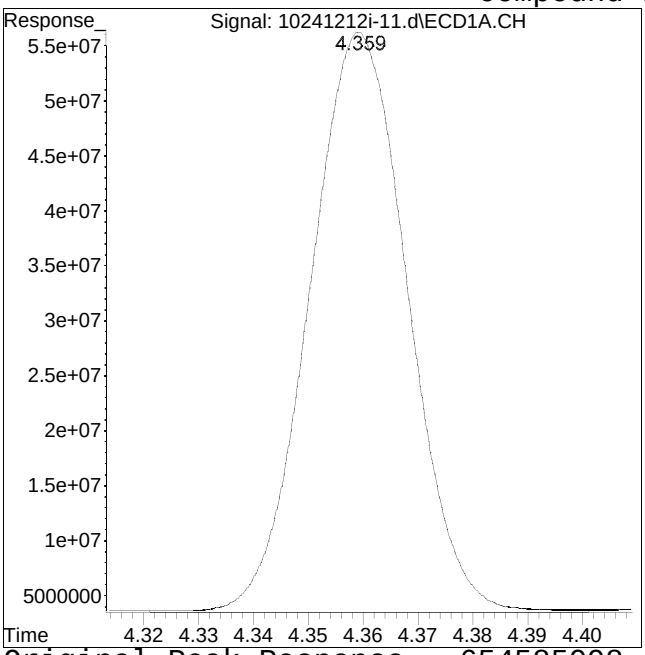


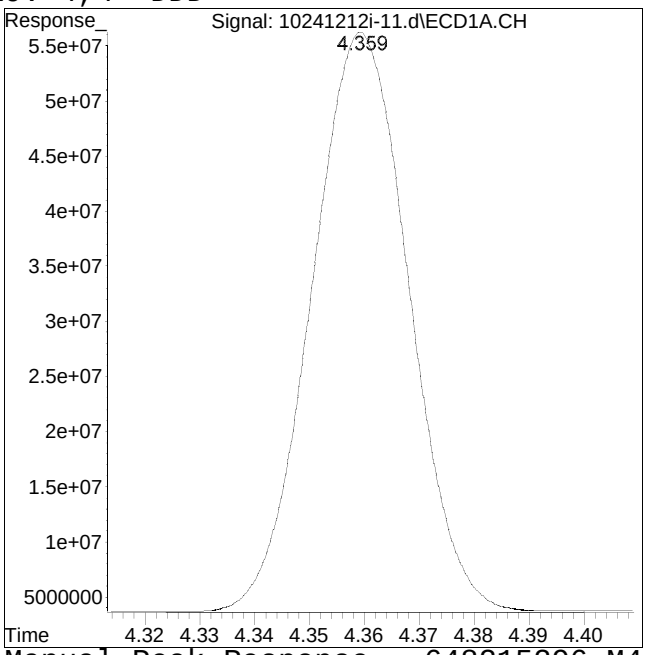
Original Peak Response = 925455579 Manual Peak Response = 924884070 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-11.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:14 Instrument : Pest 10
Sample : il10pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:40 am

Compound #19: 4,4'-DDD



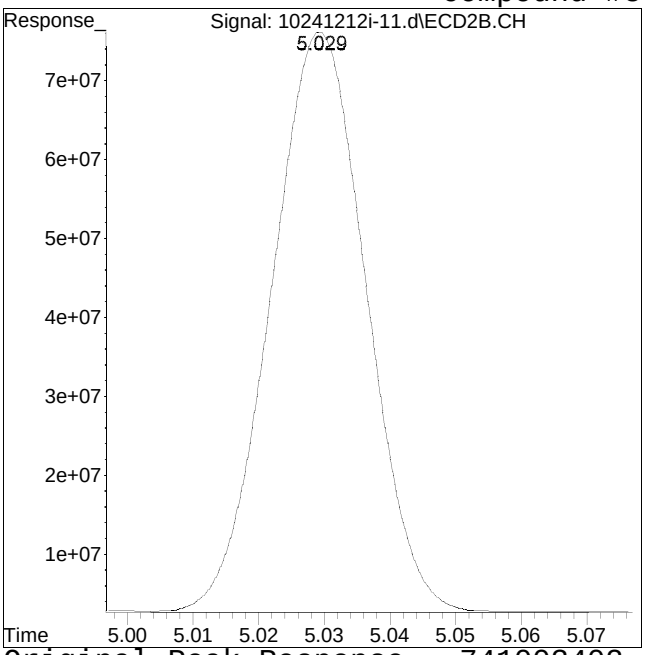


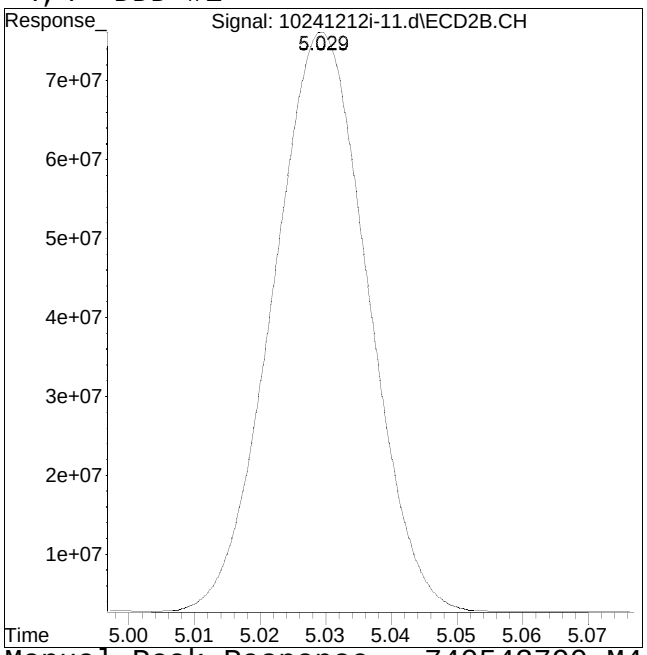
Original Peak Response = 654585998 Manual Peak Response = 648215296 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-11.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:14 Instrument : Pest 10
Sample : il10pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:40 am

Compound #57: 4,4'-DDD #2



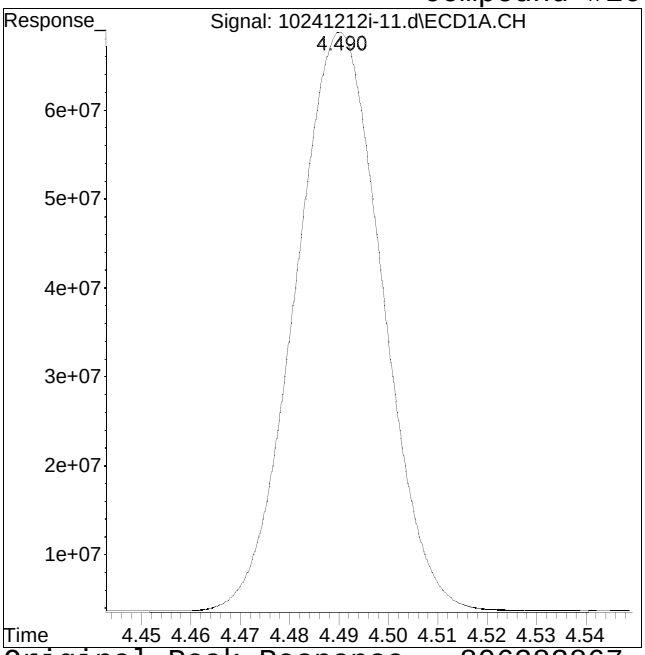


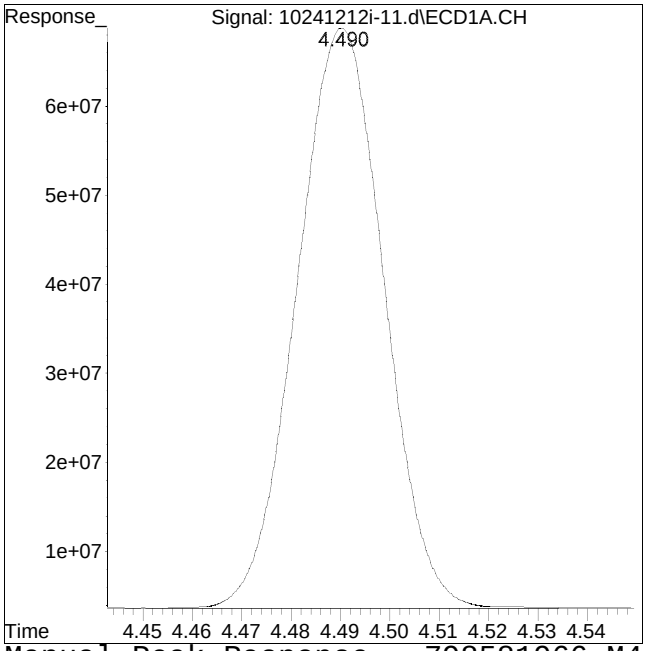
Original Peak Response = 741003402 Manual Peak Response = 740543790 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-11.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:14 Instrument : Pest 10
Sample : il10pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:40 am

Compound #20: Endosulfan II



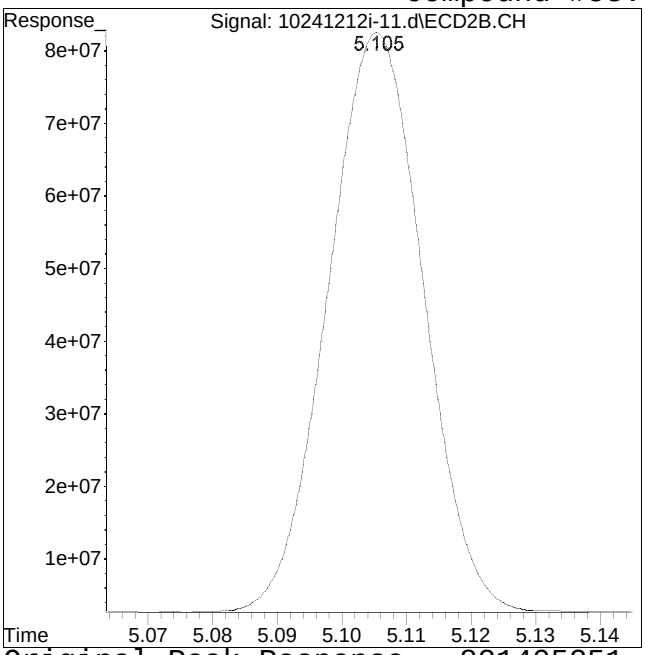


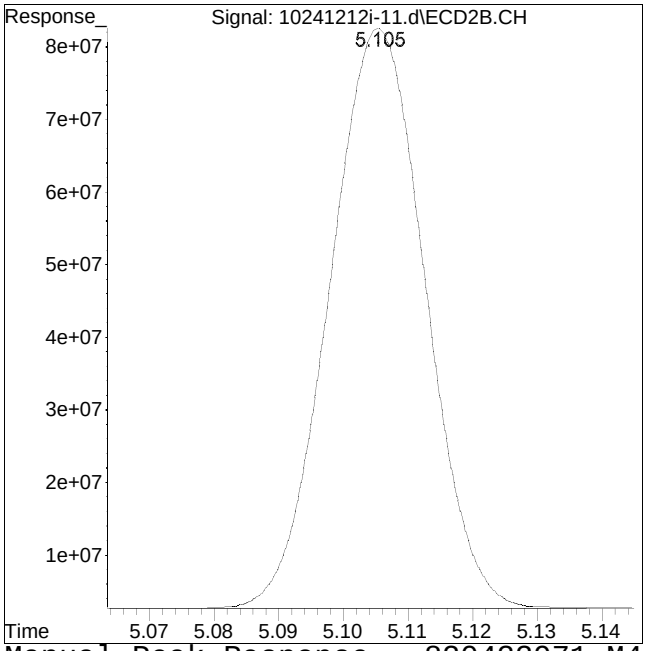
Original Peak Response = 806383867 Manual Peak Response = 798581966 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-11.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:14 Instrument : Pest 10
Sample : il10pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:40 am

Compound #58: Endosulfan II #2



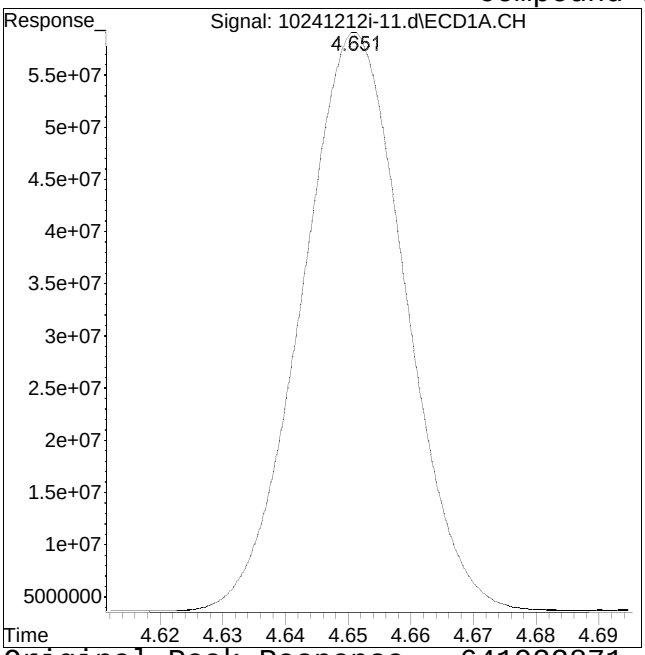


Original Peak Response = 821405251 Manual Peak Response = 820433971 M4
M4 = Poor automated baseline construction.

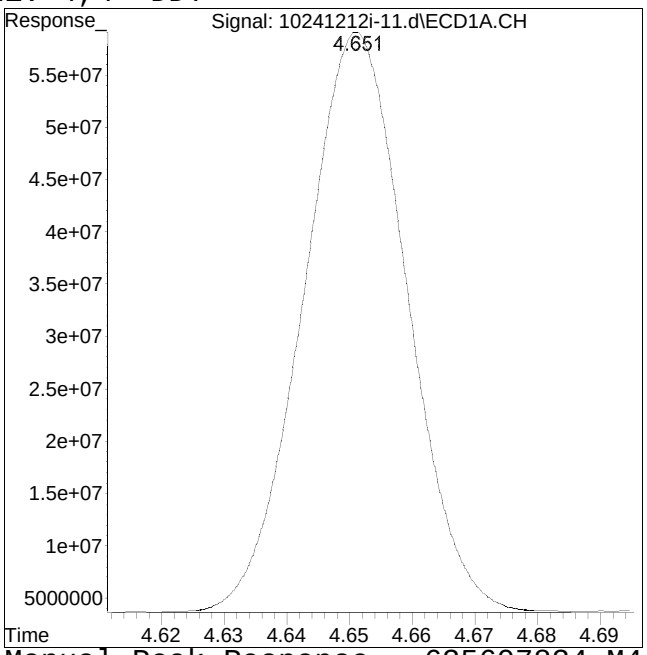
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-11.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:14 Instrument : Pest 10
Sample : il10pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:40 am

Compound #21: 4,4'-DDT



Original Peak Response = 641922871



Manual Peak Response = 635607834 M4

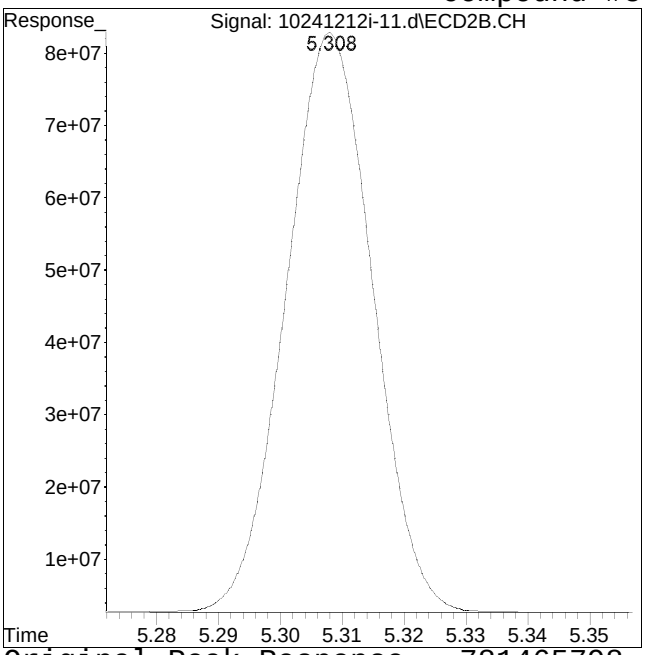
M4 = Poor automated baseline construction.

Manual Integration Report

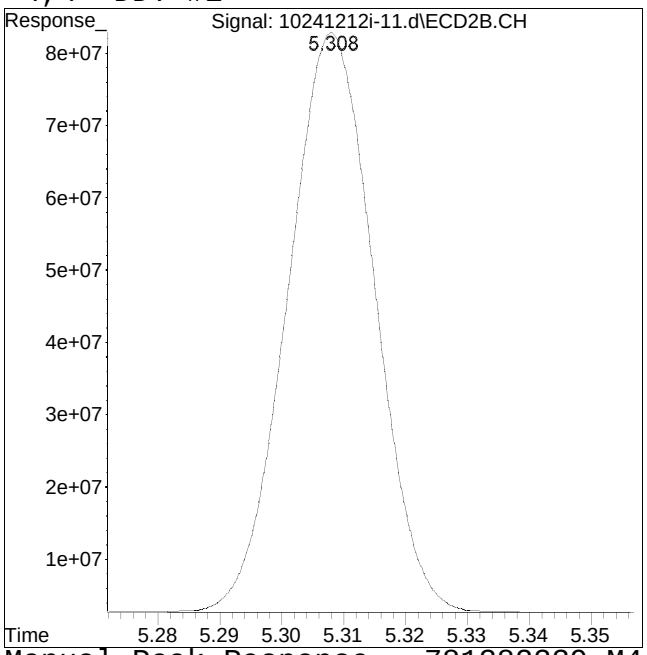
Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-11.d
Date Inj'd : 12/12/2024 21:14
Sample : il10pest,42e,,pp 11929 L0.

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 9:40 am

Compound #59: 4,4'-DDT #2



Original Peak Response = 781465798



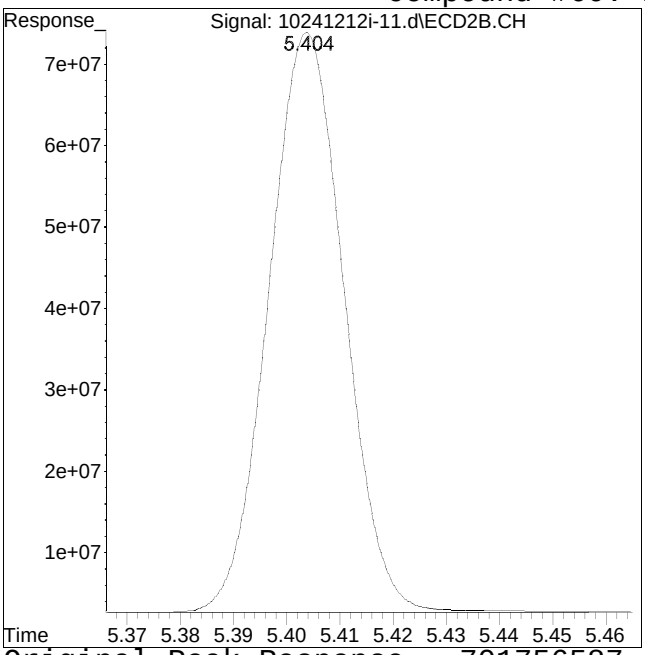
Manual Peak Response = 781382339 M4

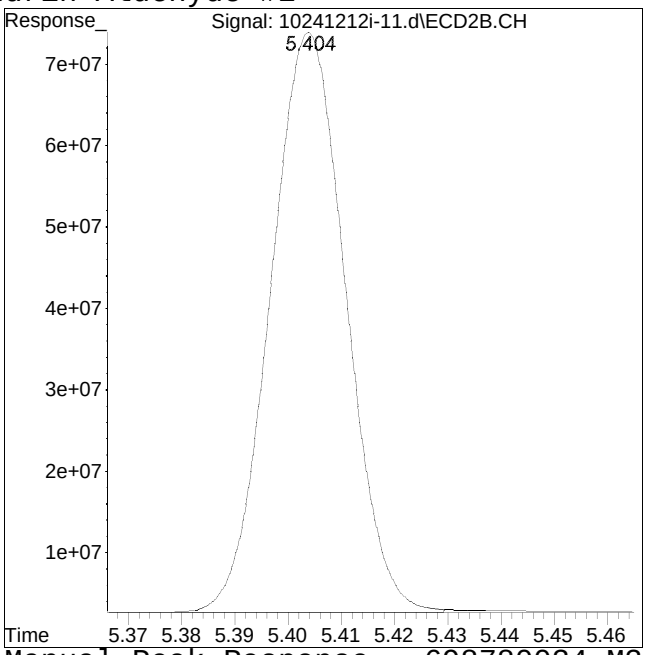
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-11.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:14 Instrument : Pest 10
Sample : il10pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:40 am

Compound #60: Endrin Aldehyde #2



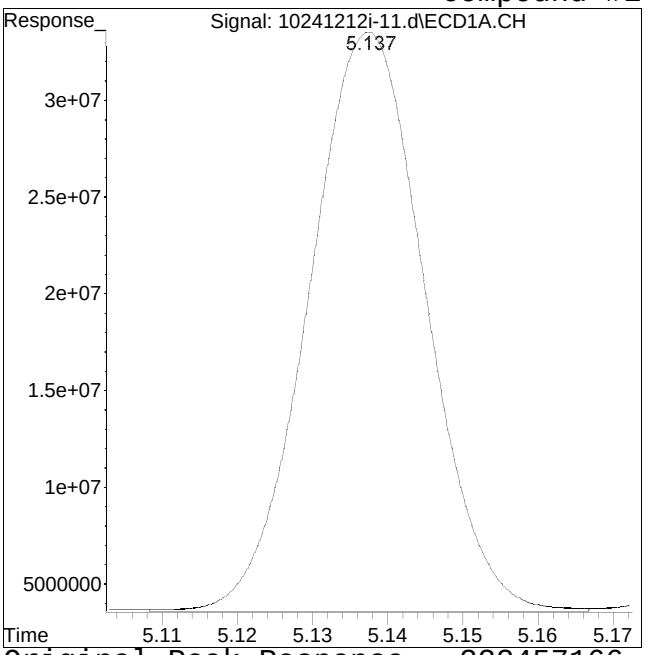


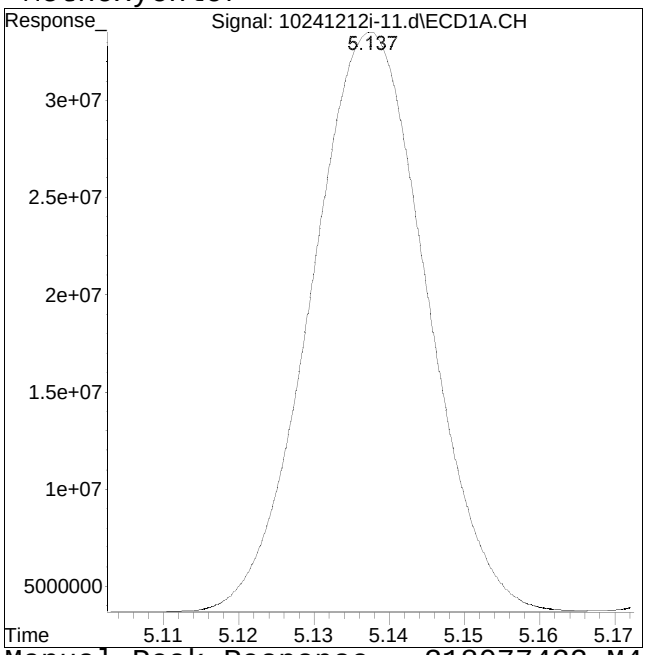
Original Peak Response = 701756587 Manual Peak Response = 698780034 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-11.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:14 Instrument : Pest 10
Sample : il10pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:40 am

Compound #23: Methoxychlor





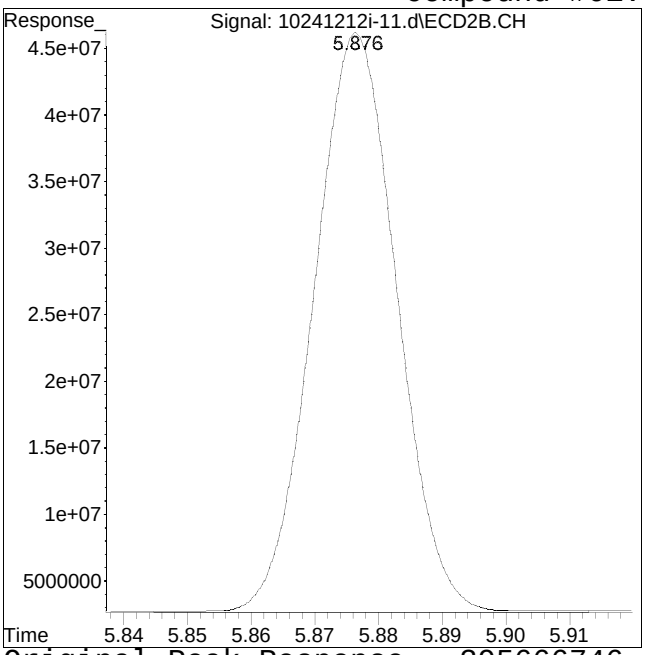
Original Peak Response = 322457166 Manual Peak Response = 318077422 M4
M4 = Poor automated baseline construction.

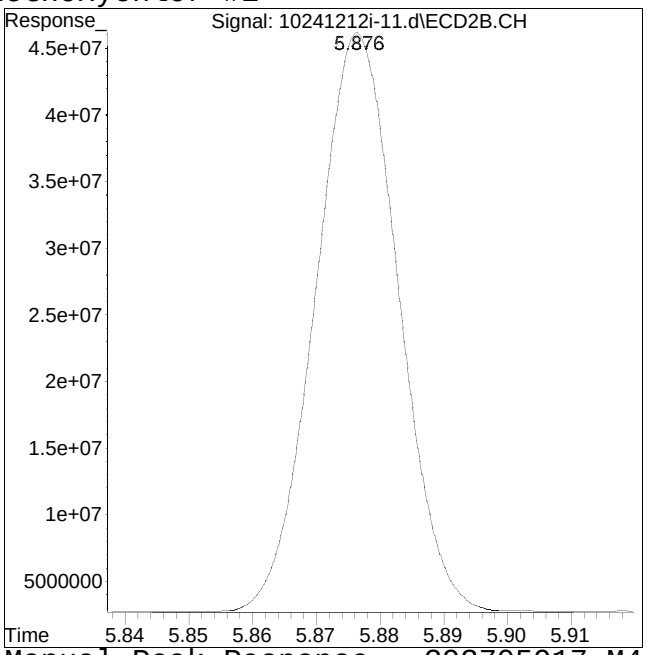
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-11.d
Date Inj'd : 12/12/2024 21:14
Sample : il10pest,42e,,pp 11929 L0.

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 9:40 am

Compound #61: Methoxychlor #2



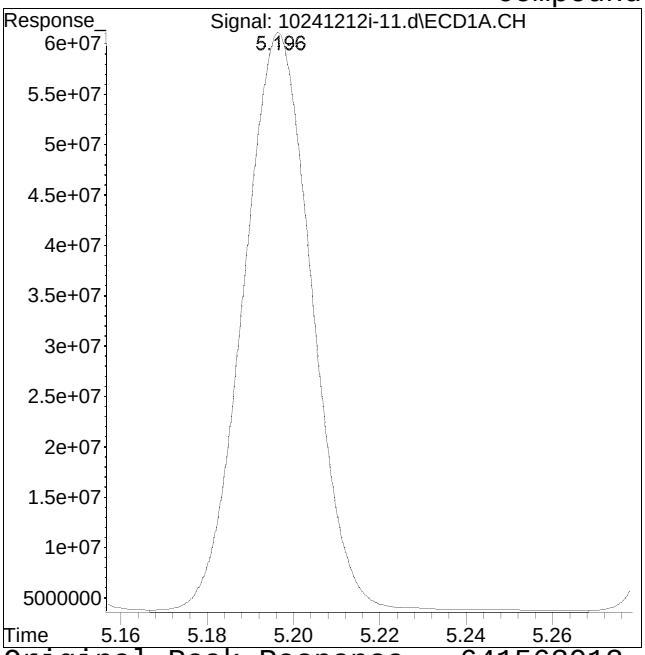


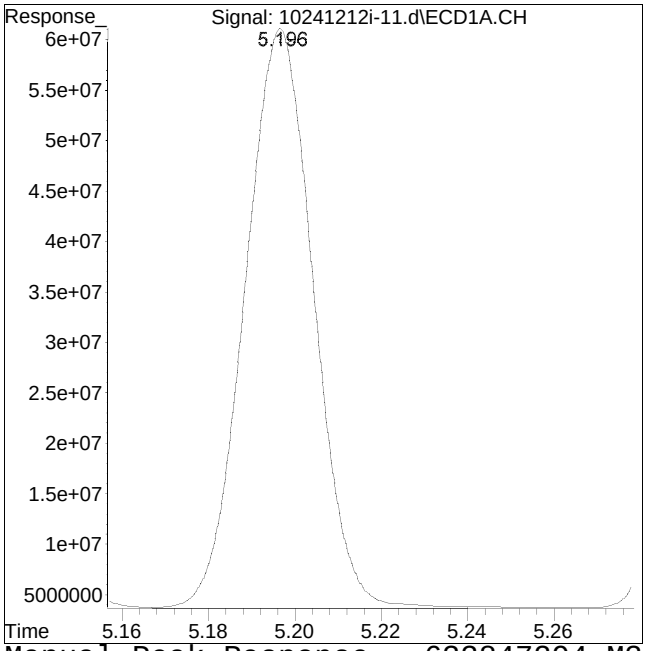
Original Peak Response = 395666746 Manual Peak Response = 393705917 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-11.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:14 Instrument : Pest 10
Sample : il10pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:40 am

Compound #24: Mirex



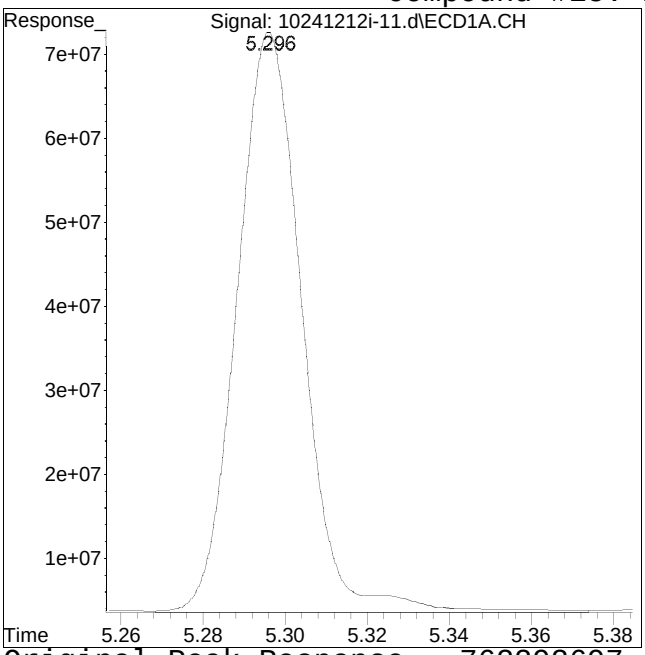


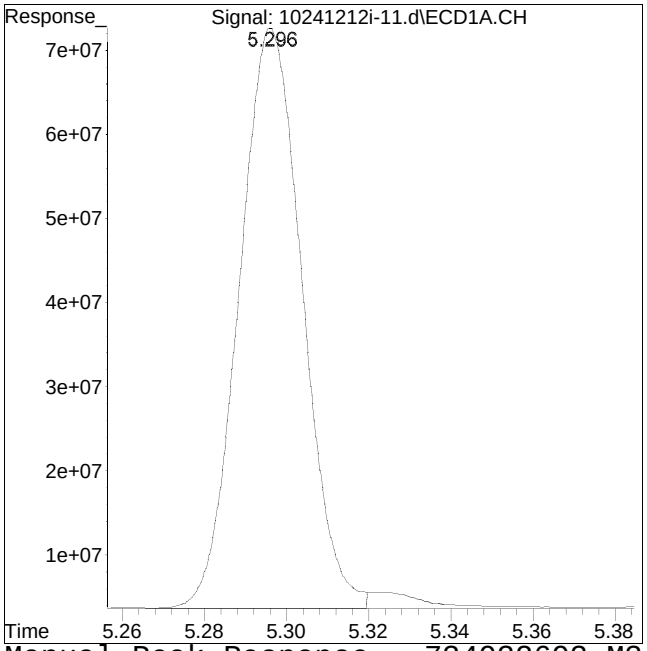
Original Peak Response = 641563913 Manual Peak Response = 633847294 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-11.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:14 Instrument : Pest 10
Sample : il10pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:40 am

Compound #25: Endosulfan Sulfate





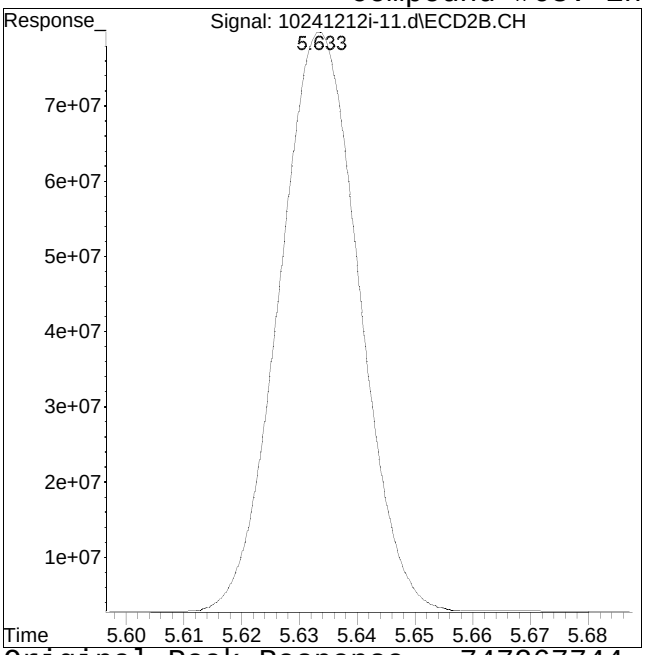
Original Peak Response = 762292697 Manual Peak Response = 734932693 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

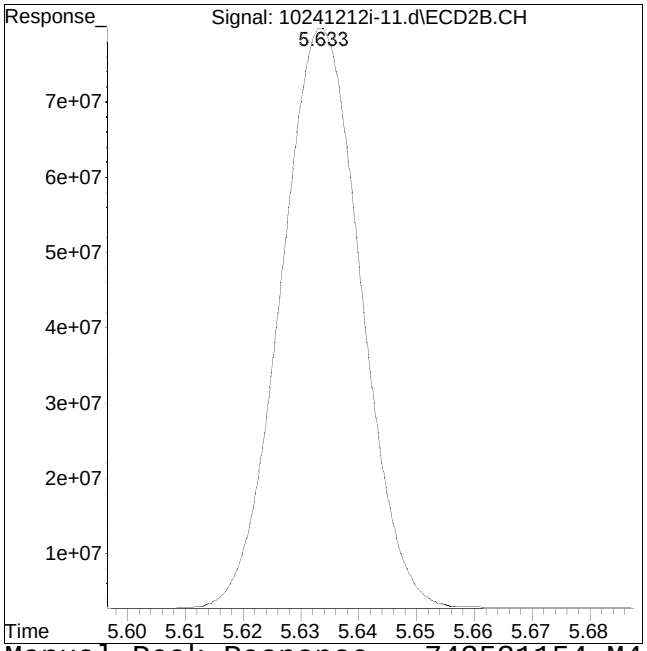
Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-11.d
Date Inj'd : 12/12/2024 21:14
Sample : il10pest,42e,,pp 11929 L0.

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 9:40 am

Compound #63: Endosulfan Sulfate #2



Original Peak Response = 747267744



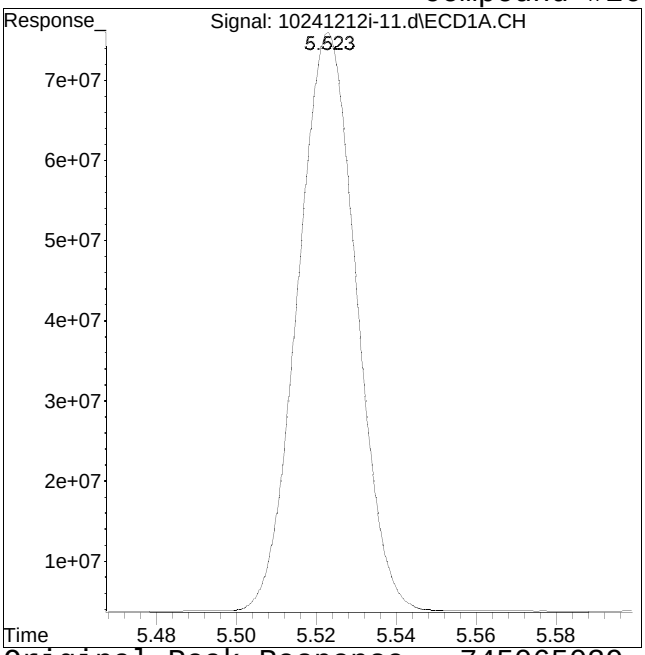
Manual Peak Response = 743531154 M4

M4 = Poor automated baseline construction.

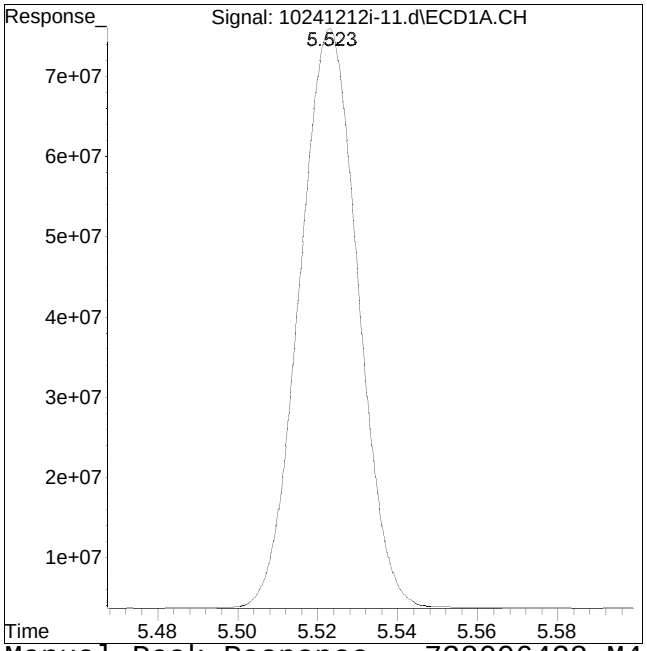
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-11.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:14 Instrument : Pest 10
Sample : il10pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:40 am

Compound #26: Endrin Ketone



Original Peak Response = 745065039



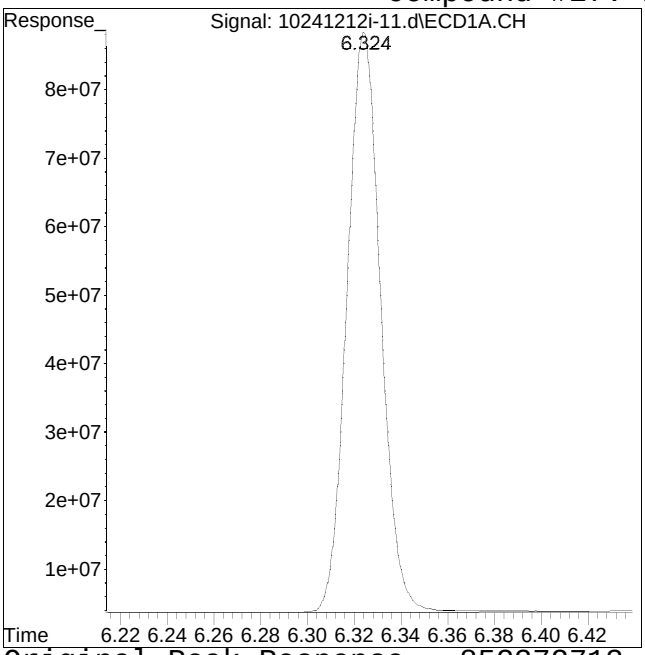
Manual Peak Response = 738006438 M4

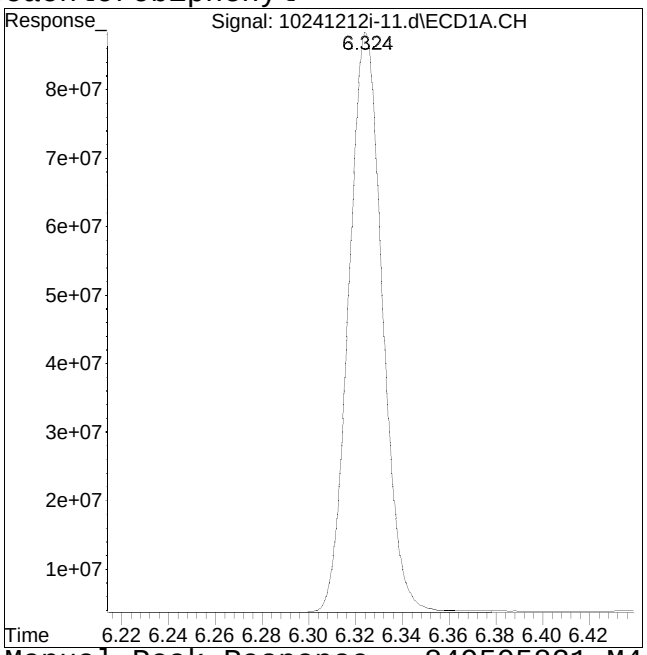
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-11.d
Date Inj'd : 12/12/2024 21:14
Sample : il10pest,42e,,pp 11929 L0.
Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 9:40 am

Compound #27: Decachlorobiphenyl





Original Peak Response = 852372713 Manual Peak Response = 849505821 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 21:25
Operator : PEST10:ejl
Sample : il11pest,42e,,pp 11929 L0.4
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 09:50:26 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 09:49:02 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.326	1.365	82235419	74928511	25.000M3	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.673	1.837	1703.0E6	1467.4E6	320.192M3	378.756M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		640.38%#	757.51%#
27) s	Decachlorobi	6.324	6.907	1620.0E6	1567.4E6	338.729M4	382.539
	Spiked Amount 50.000	Range 30 - 150		Recovery =		677.46%#	765.08%#
	Target Compounds						
3) t	Hexachlorobe	1.889	2.155	1775.4E6	1582.7E6	323.223M3	381.853
4) t	alpha-BHC	1.988	2.250	1866.3E6	2200.0E6	334.213M3	397.434M4
5) t	gamma-BHC (l	2.193	2.534	1656.4E6	1980.1E6	338.454M3	398.962
6) t	beta-BHC	2.249	2.598	798.3E6	848.9E6	356.568M4	399.329M3
7) t	delta-BHC	2.379	2.864	1801.5E6	2103.1E6	344.653M4	406.583
8) t	Heptachlor	2.544	2.928	1482.8E6	1855.3E6	337.716M4	391.748M4
9) t	Aldrin	2.789	3.246	1838.8E6	2083.4E6	337.313M4	397.777
10) t	Alachlor	2.909	3.129	233.1E6	228.8E6	343.427M3	368.388M4
11) t	Chlorpyrifos	3.002	3.482	712.8E6	823.9E6	345.461M4	378.249

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 21:25
Operator : PEST10:ejl
Sample : il11pest,42e,,pp 11929 L0.4
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 09:50:26 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 09:49:02 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.339	3.859	1636.6E6	1887.8E6	345.747M3	398.644
13)	t	gamma-Chlord	3.464	4.079	1641.0E6	1825.6E6	357.919M4	412.663
14)	t	alpha-Chlord	3.600	4.251	1864.3E6	2035.6E6	351.135M3	404.829
15)	t	4,4'-DDE	3.697	4.450	1968.8E6	2122.6E6	344.246M4	403.405M4
16)	t	Endosulfan I	3.737	4.312	1659.4E6	1843.5E6	349.409M4	399.399M4
17)	t	Dieldrin	3.999	4.606	1776.7E6	1960.2E6	352.552M4	402.577
18)	t	Endrin	4.254	4.905	1639.5E6	1897.6E6	350.135M4	396.696M4
19)	t	4,4'-DDD	4.360	5.030	1272.4E6	1544.1E6	362.333M4	407.631M4
20)	t	Endosulfan I	4.491	5.105	1543.9E6	1690.4E6	353.327M4	398.419M4
21)	t	4,4'-DDT	4.652	5.308	1241.2E6	1621.9E6	360.059M4	403.846M4
22)	t	Endrin Aldeh	4.906	5.404	1337.8E6	1433.9E6	352.878M3	397.915M3
23)	t	Methoxychlor	5.138	5.877	619.8E6	798.0E6	353.491M4	384.099
24)	t	Mirex	5.197	6.011	1244.9E6	1373.4E6	355.035M3	392.100
25)	t	Endosulfan S	5.297	5.634	1424.4E6	1533.1E6	351.798M3	396.736M4
26)	t	Endrin Keton	5.523	6.047	1397.0E6	1702.5E6	340.226M3	388.555
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 21:25
Operator : PEST10:ejl
Sample : il11pest,42e,,pp 11929 L0.4
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 09:50:26 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 09:49:02 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

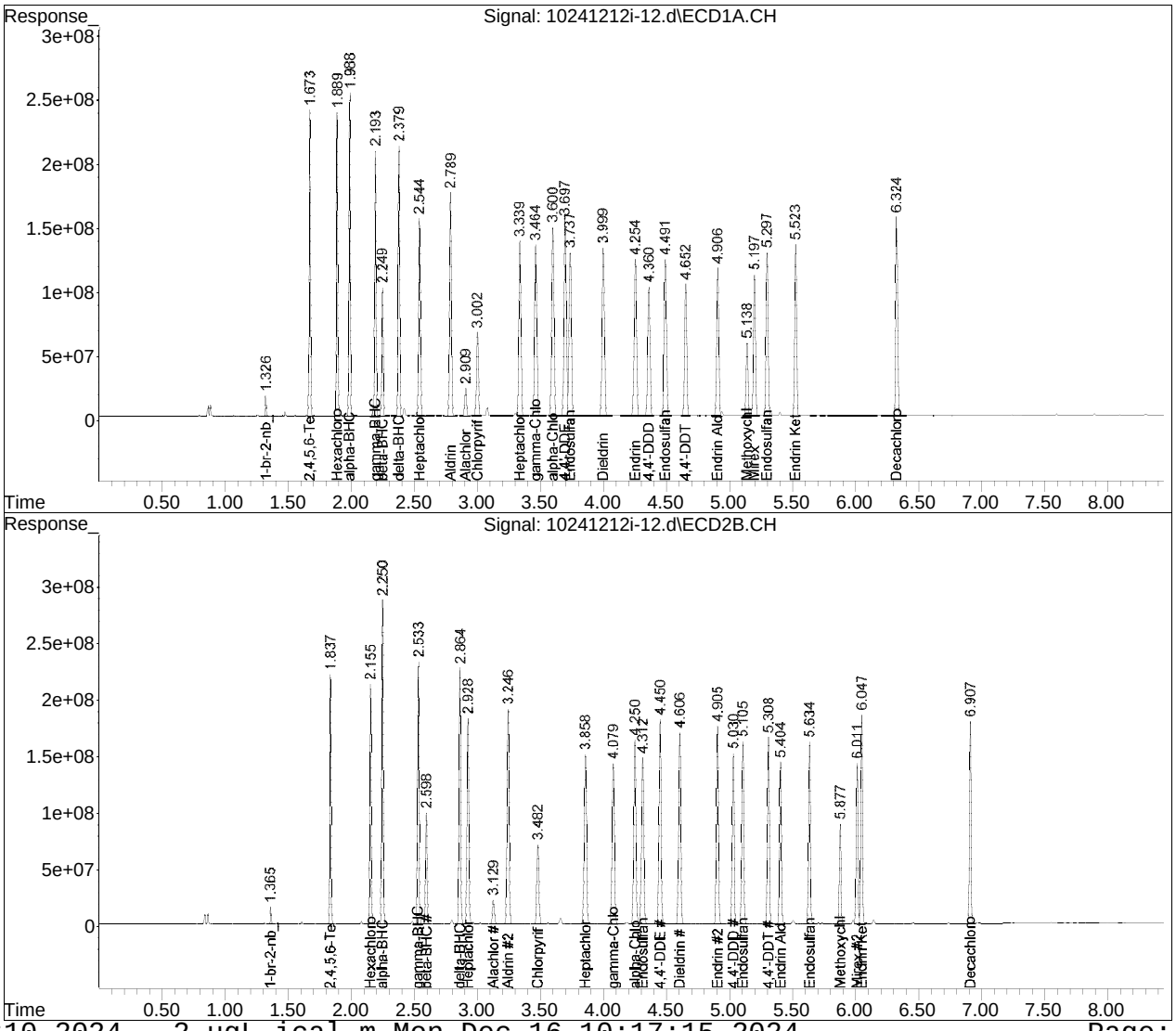
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 21:25
Operator : PEST10:ejl
Sample : il11pest,42e,,pp 11929 L0.4
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 09:50:26 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 09:49:02 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

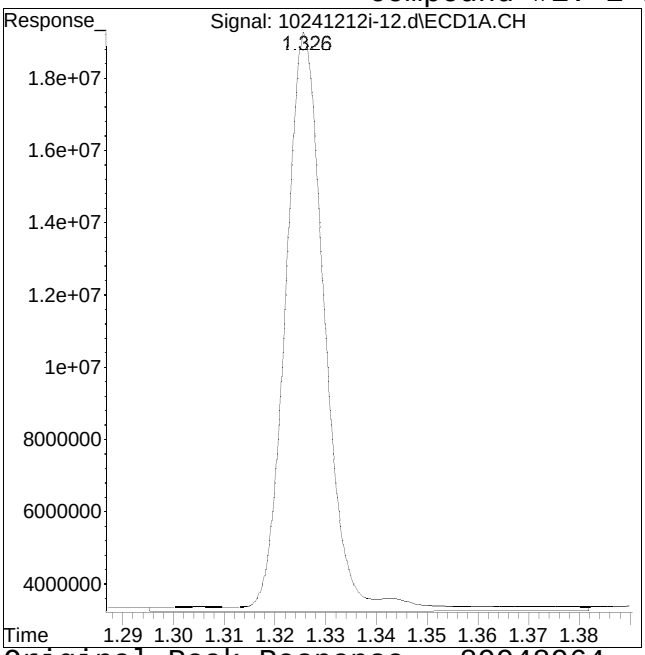
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

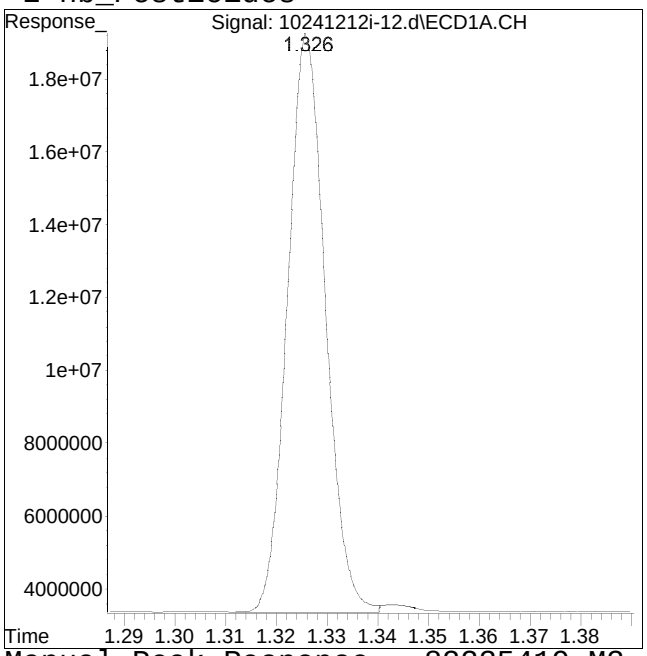


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-12.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:25 Instrument : Pest 10
Sample : il11pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:50 am

Compound #1: 1-br-2-nb_Pesticides



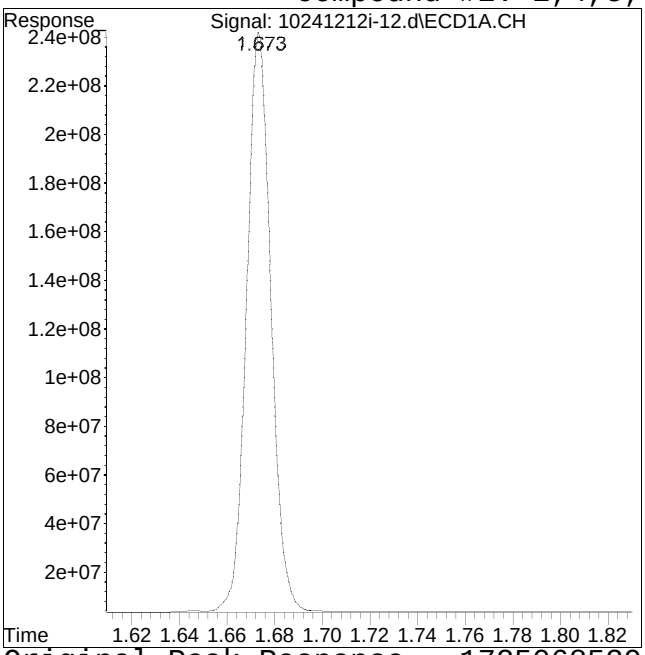


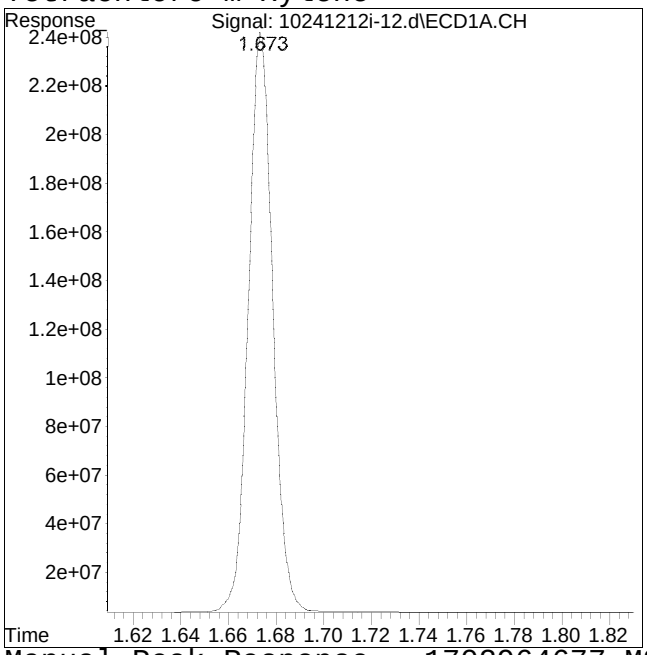
Original Peak Response = 89948964 Manual Peak Response = 82235419 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-12.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:25 Instrument : Pest 10
Sample : il11pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:50 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



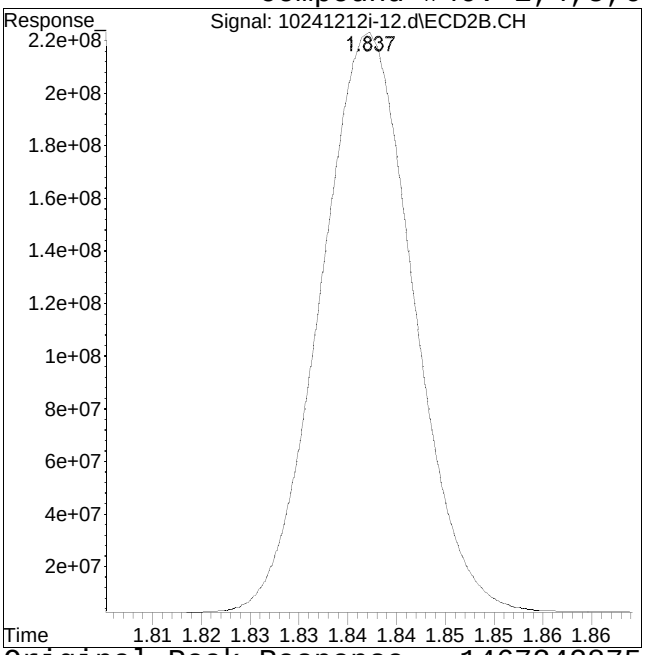


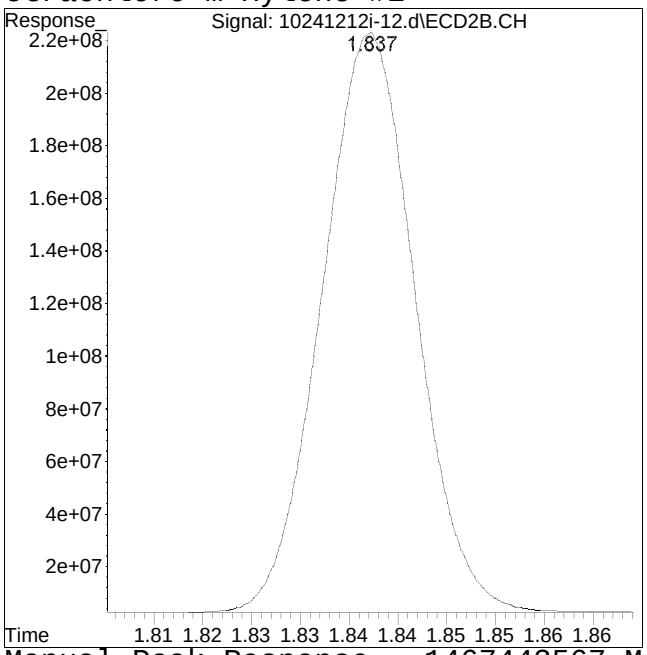
Original Peak Response = 1725068529 Manual Peak Response = 1702964677 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-12.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:25 Instrument : Pest 10
Sample : il11pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:50 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



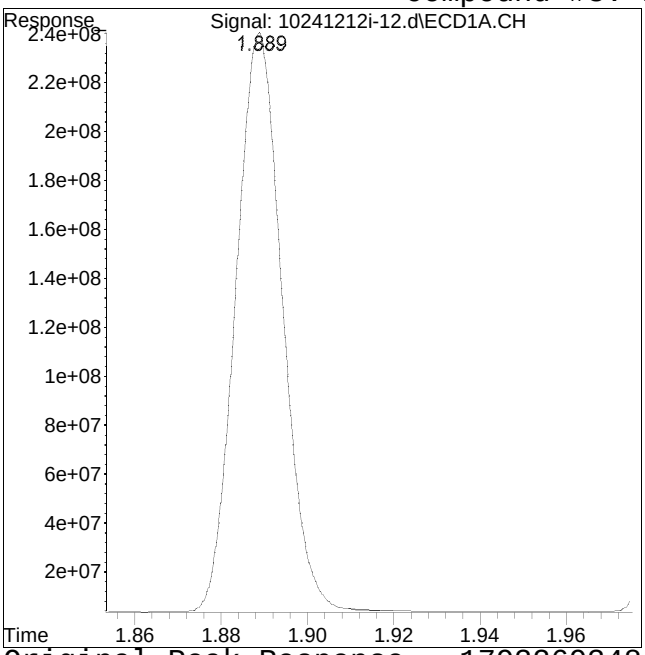


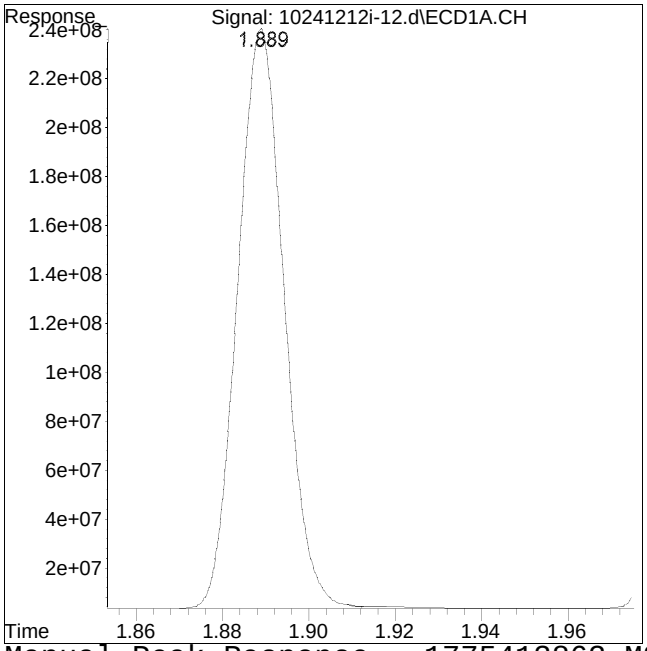
Original Peak Response = 1467242875 Manual Peak Response = 1467443567 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-12.d
Date Inj'd : 12/12/2024 21:25
Sample : il11pest,42e,,pp 11929 L0.
Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 9:50 am

Compound #3: Hexachlorobenzene



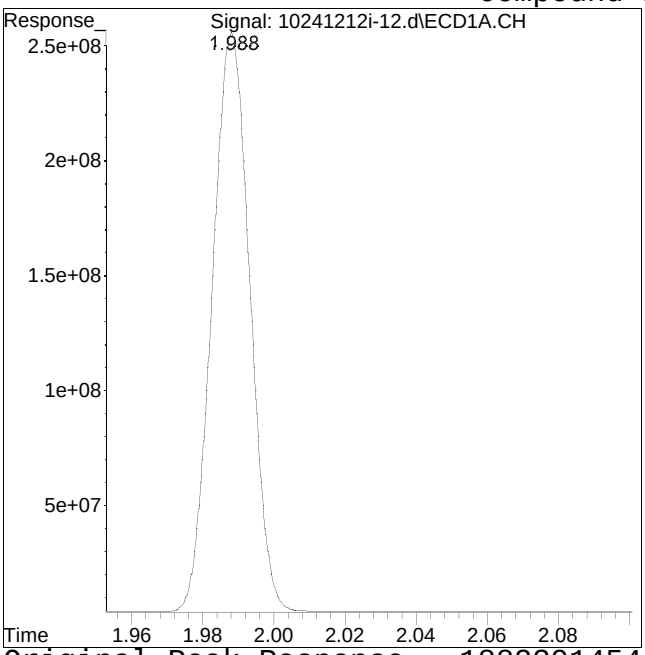


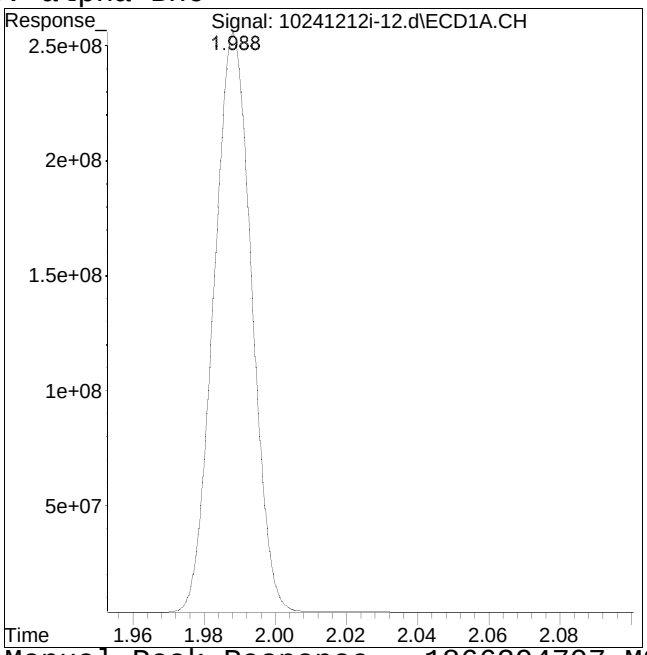
Original Peak Response = 1793269348 Manual Peak Response = 1775413863 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-12.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:25 Instrument : Pest 10
Sample : il11pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:50 am

Compound #4: alpha-BHC



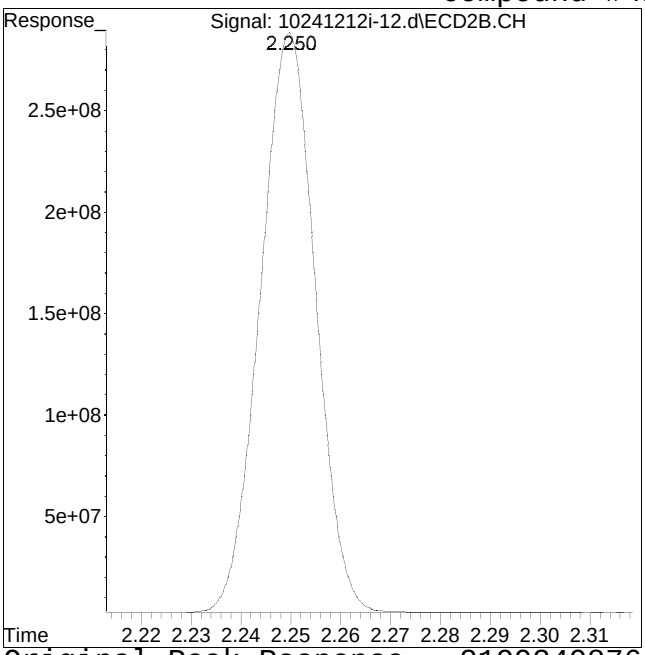


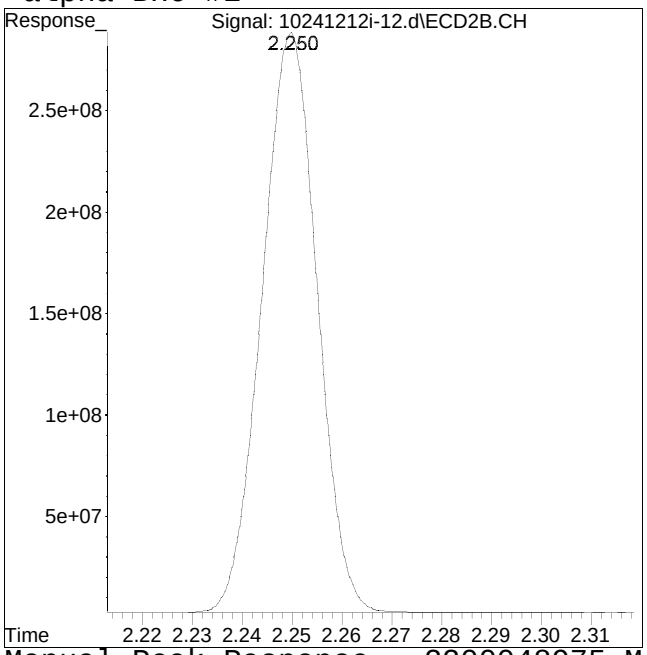
Original Peak Response = 1882391454 Manual Peak Response = 1866294707 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-12.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:25 Instrument : Pest 10
Sample : il11pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:50 am

Compound #42: alpha-BHC #2



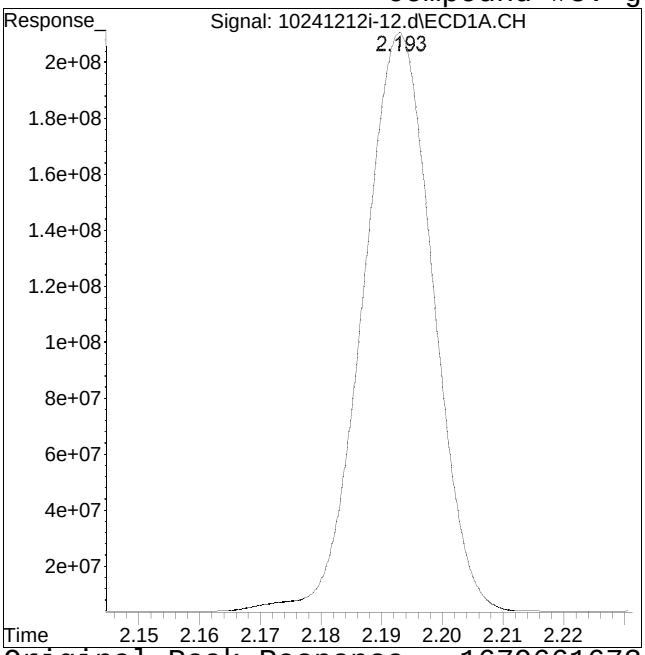


Original Peak Response = 2199249876 Manual Peak Response = 2200048975 M4
M4 = Poor automated baseline construction.

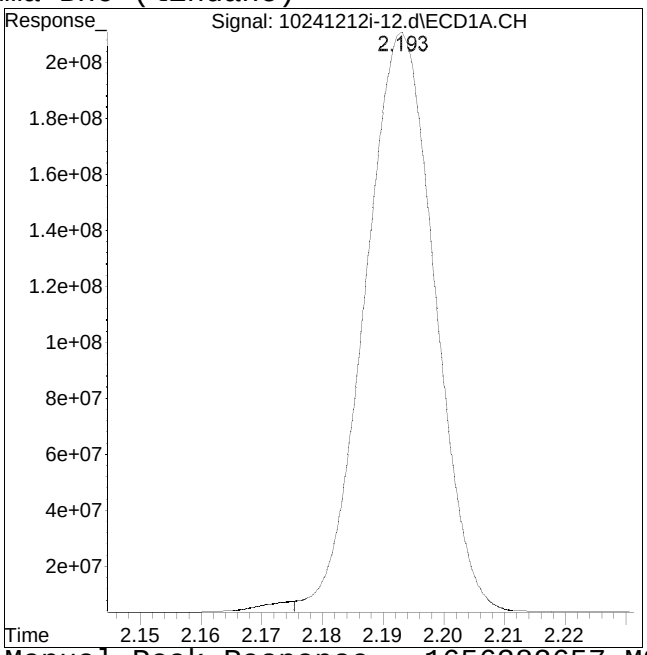
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-12.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:25 Instrument : Pest 10
Sample : il11pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:50 am

Compound #5: gamma-BHC (lindane)



Original Peak Response = 1679661673



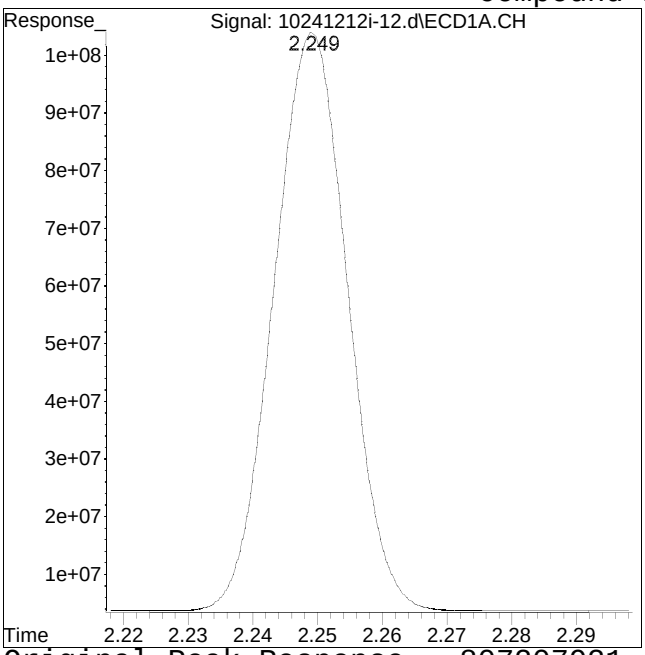
Manual Peak Response = 1656382657 M3

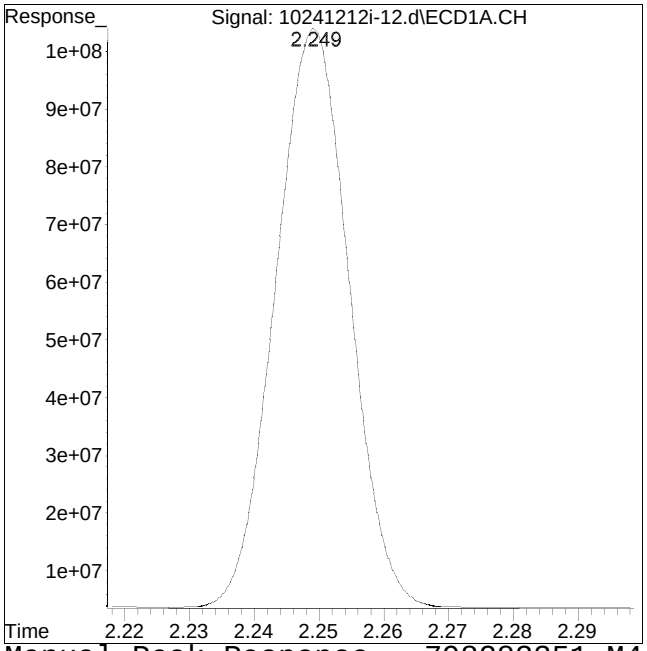
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-12.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:25 Instrument : Pest 10
Sample : il11pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:50 am

Compound #6: beta-BHC



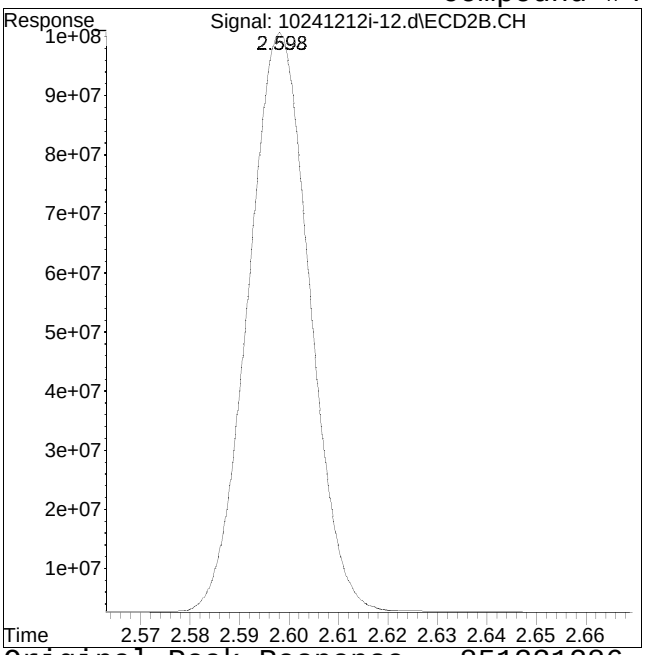


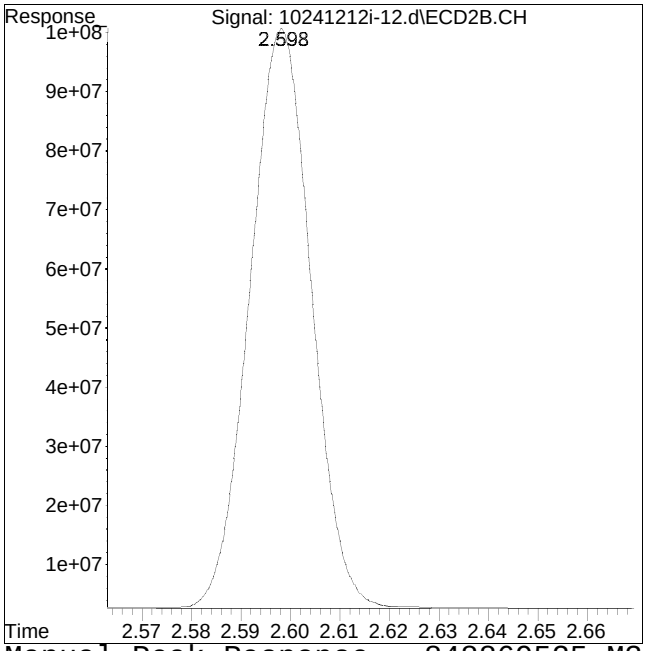
Original Peak Response = 807207921 Manual Peak Response = 798283351 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-12.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:25 Instrument : Pest 10
Sample : il11pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:50 am

Compound #44: beta-BHC #2



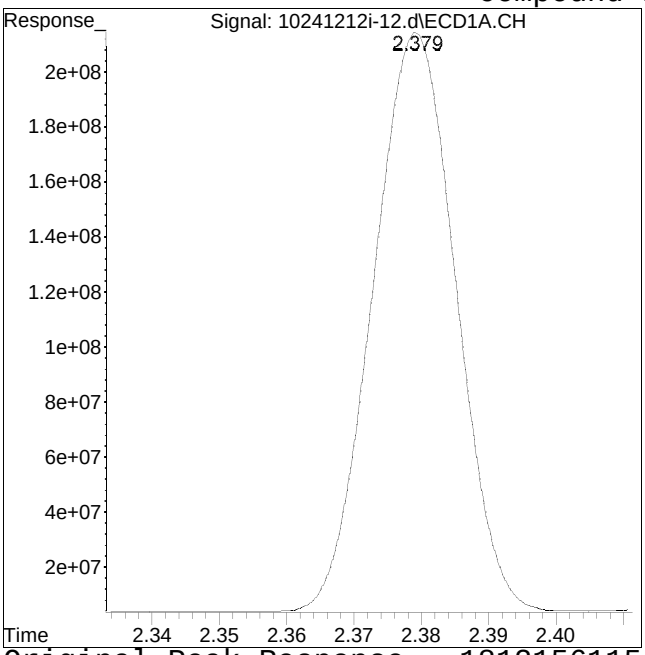


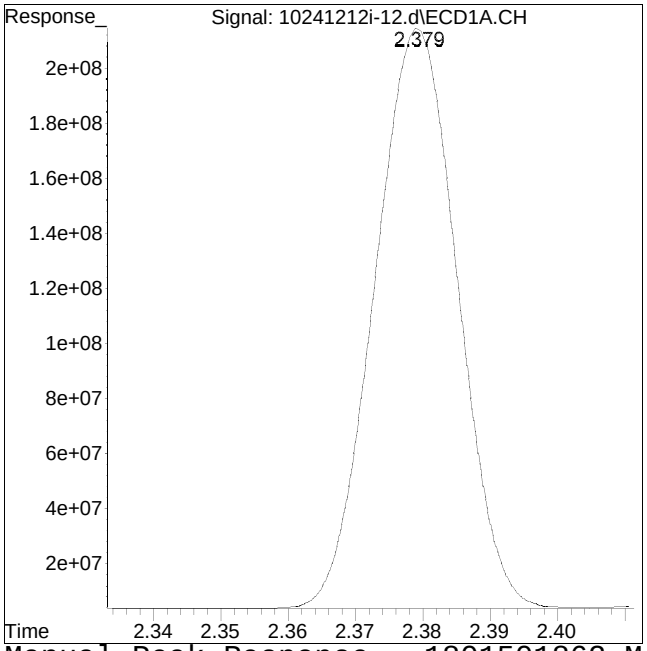
Original Peak Response = 851331286 Manual Peak Response = 848869525 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-12.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:25 Instrument : Pest 10
Sample : il11pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:50 am

Compound #7: delta-BHC



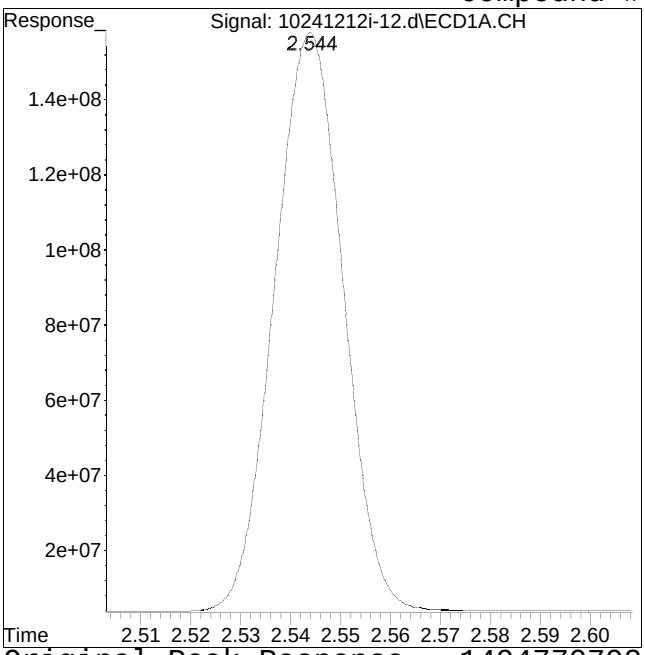


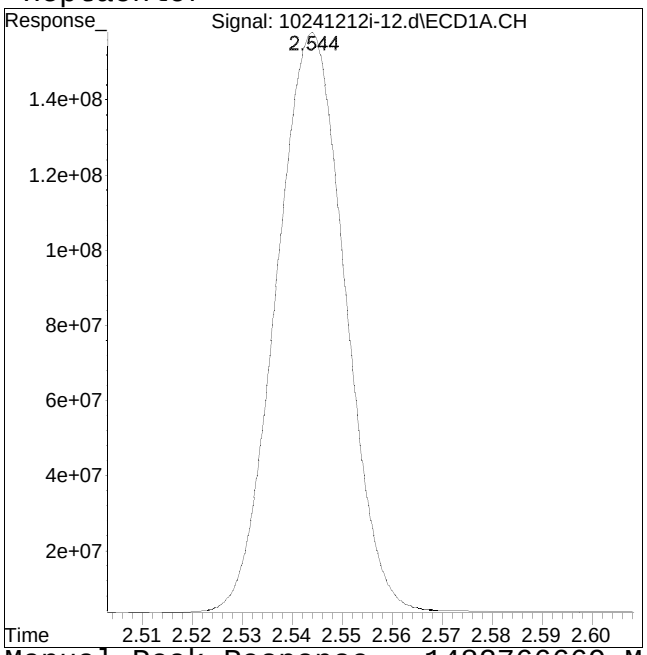
Original Peak Response = 1812156115 Manual Peak Response = 1801501862 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-12.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:25 Instrument : Pest 10
Sample : il11pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:50 am

Compound #8: Heptachlor



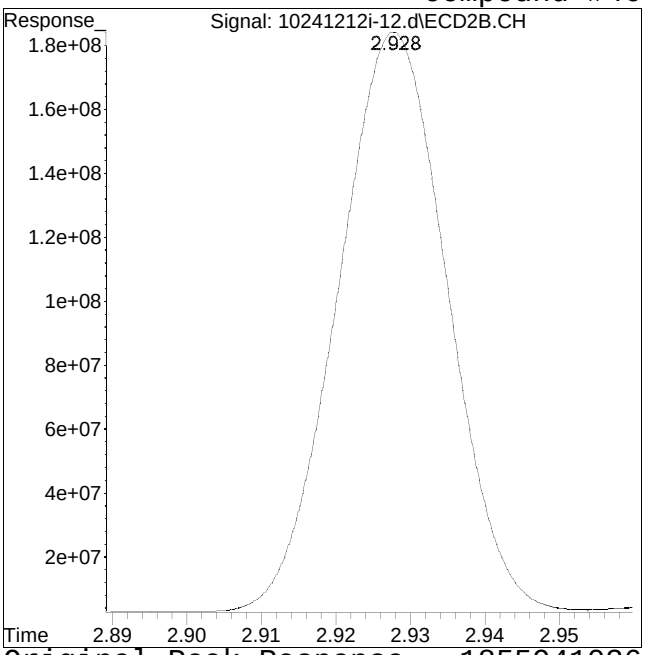


Original Peak Response = 1494779792 Manual Peak Response = 1482766669 M4
M4 = Poor automated baseline construction.

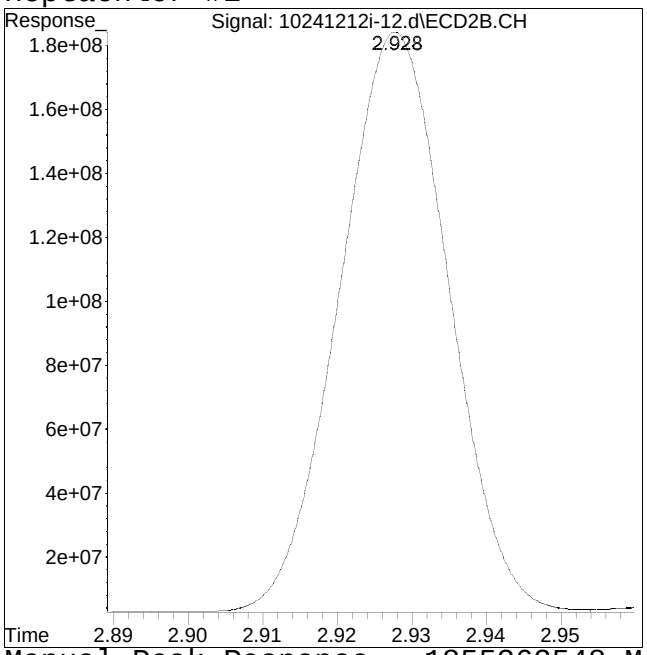
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-12.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:25 Instrument : Pest 10
Sample : il11pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:50 am

Compound #46: Heptachlor #2



Original Peak Response = 1855941036



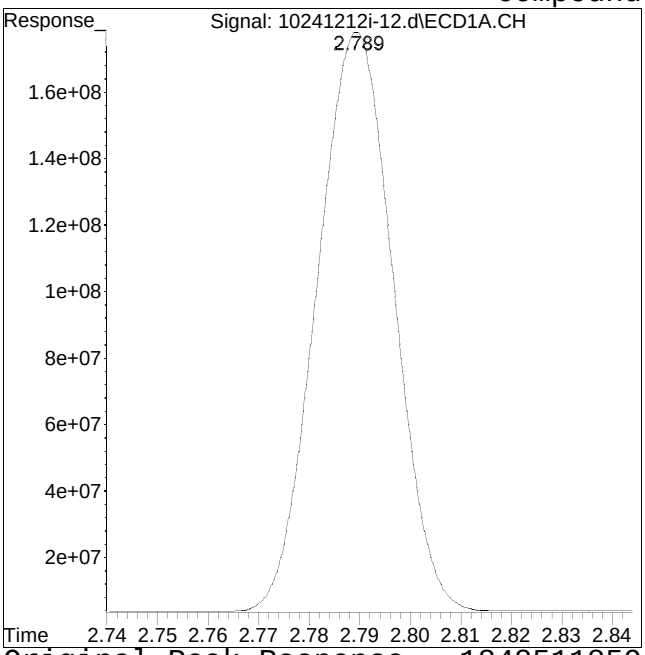
Manual Peak Response = 1855262548 M4

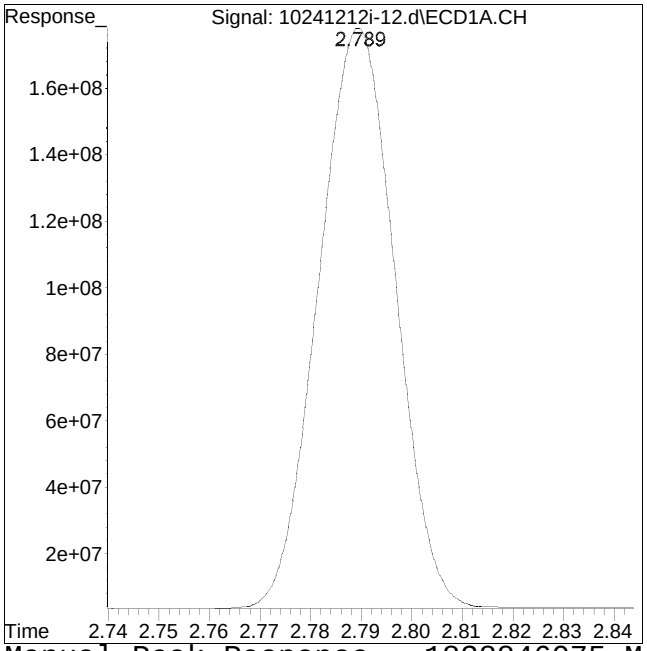
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-12.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:25 Instrument : Pest 10
Sample : il11pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:50 am

Compound #9: Aldrin



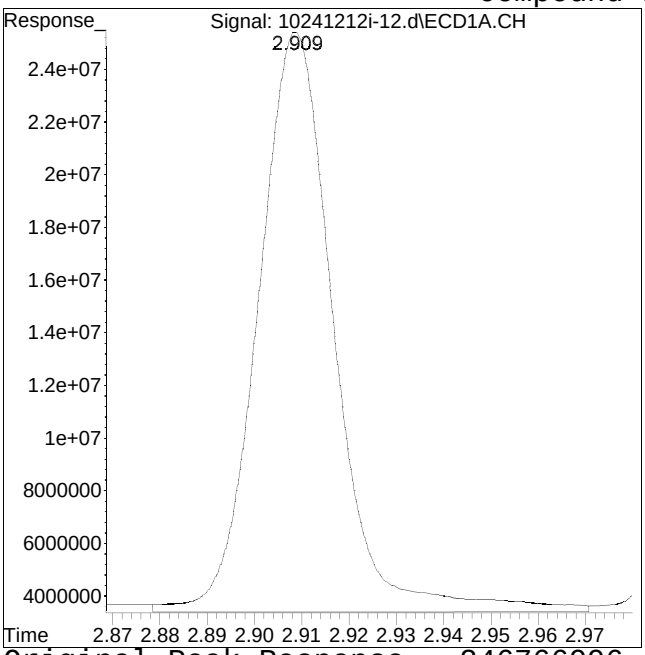


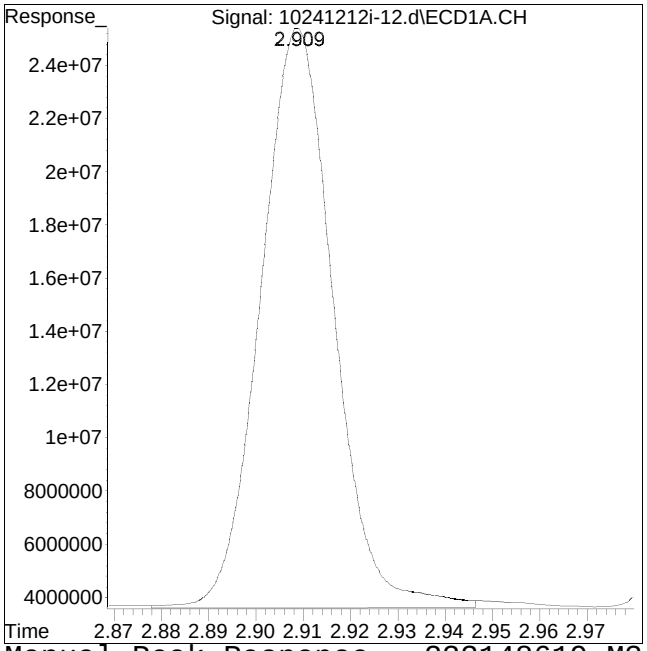
Original Peak Response = 1848511859 Manual Peak Response = 1838846075 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-12.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:25 Instrument : Pest 10
Sample : il11pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:50 am

Compound #10: Alachlor



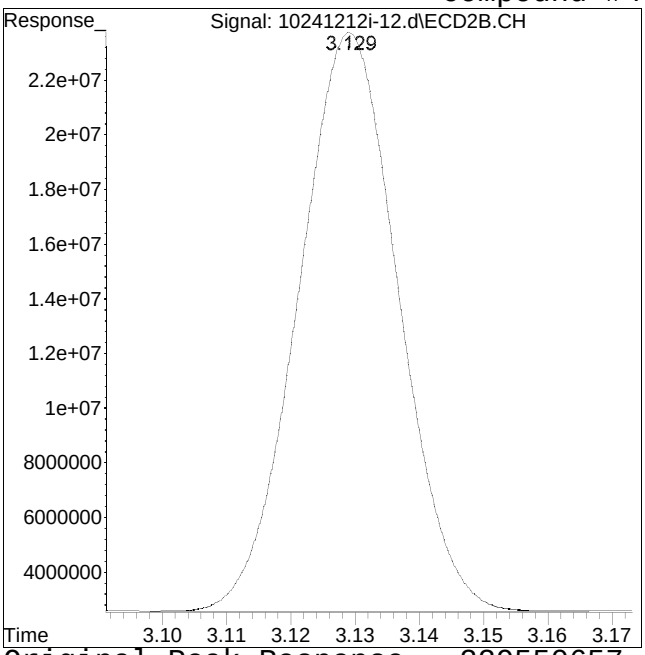


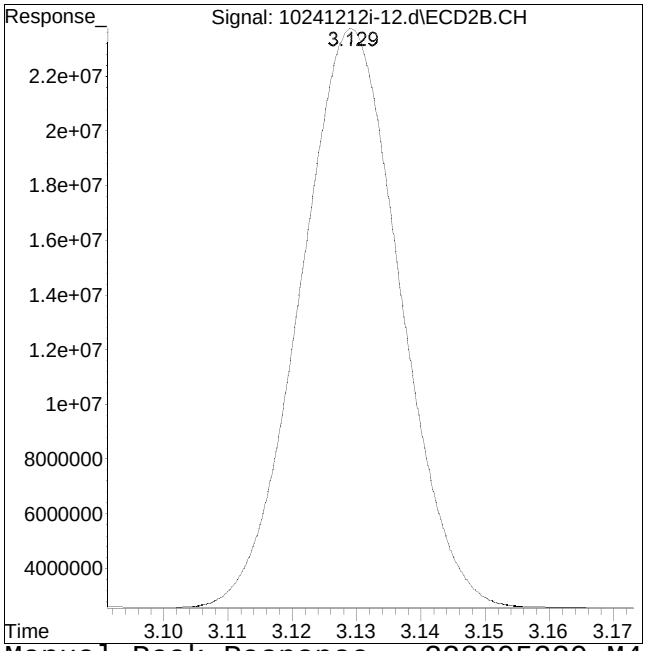
Original Peak Response = 246766996 Manual Peak Response = 233148619 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-12.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:25 Instrument : Pest 10
Sample : il11pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:50 am

Compound #48: Alachlor #2



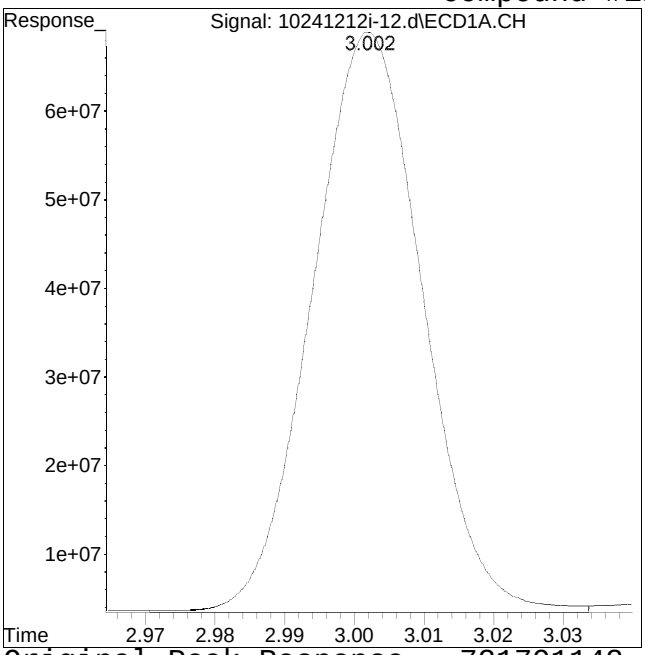


Original Peak Response = 229550657 Manual Peak Response = 228805230 M4
M4 = Poor automated baseline construction.

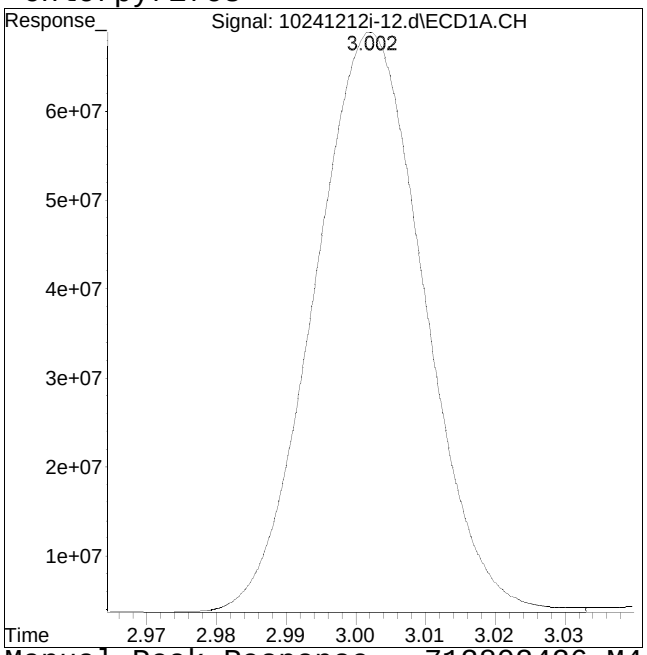
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-12.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:25 Instrument : Pest 10
Sample : il11pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:50 am

Compound #11: Chlorpyrifos



Original Peak Response = 721791142



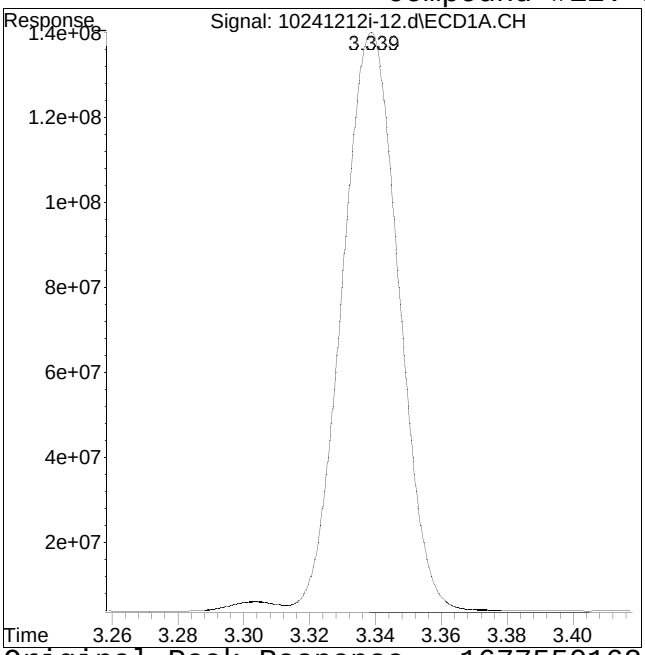
Manual Peak Response = 712802426 M4

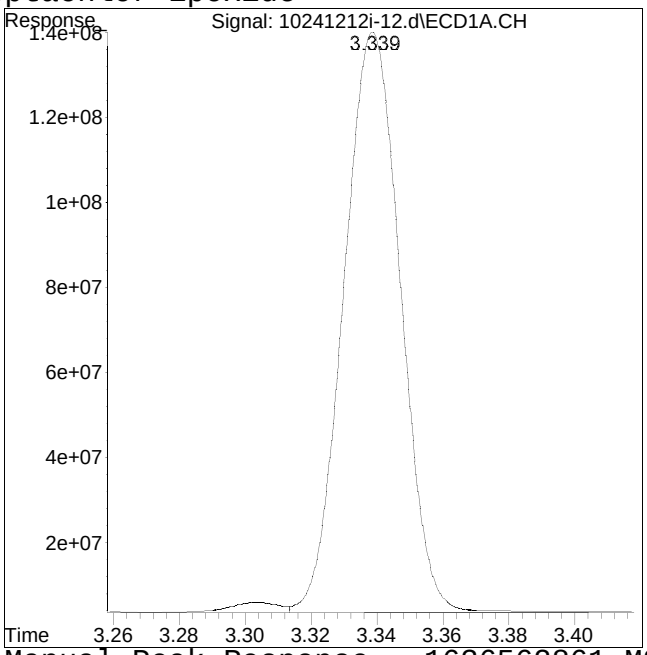
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-12.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:25 Instrument : Pest 10
Sample : il11pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:50 am

Compound #12: Heptachlor Epoxide



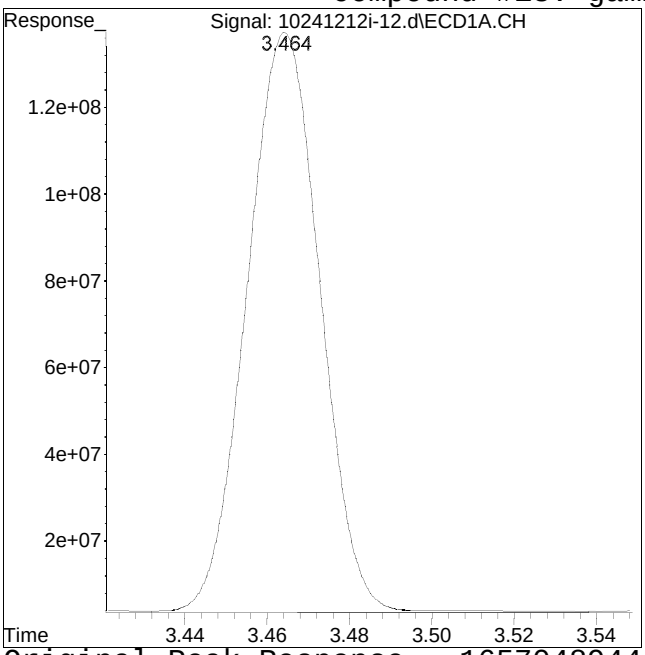


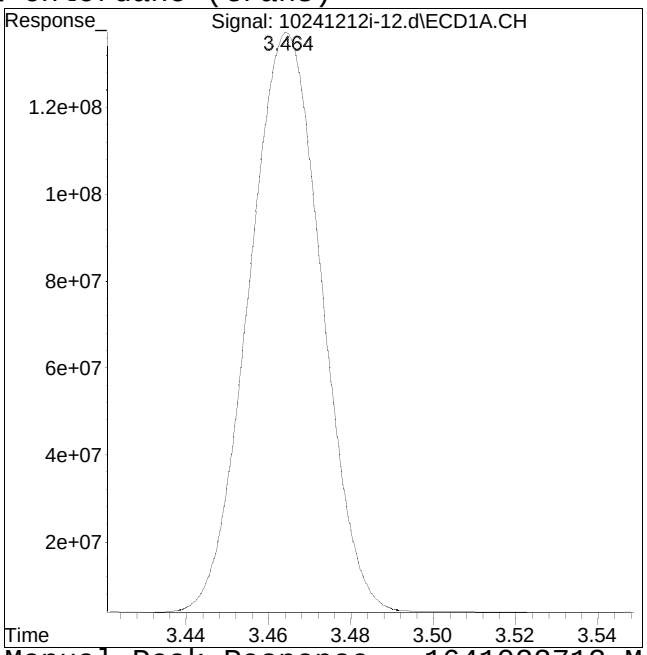
Original Peak Response = 1677550162 Manual Peak Response = 1636562861 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-12.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:25 Instrument : Pest 10
Sample : il11pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:50 am

Compound #13: gamma-Chlordane (trans)



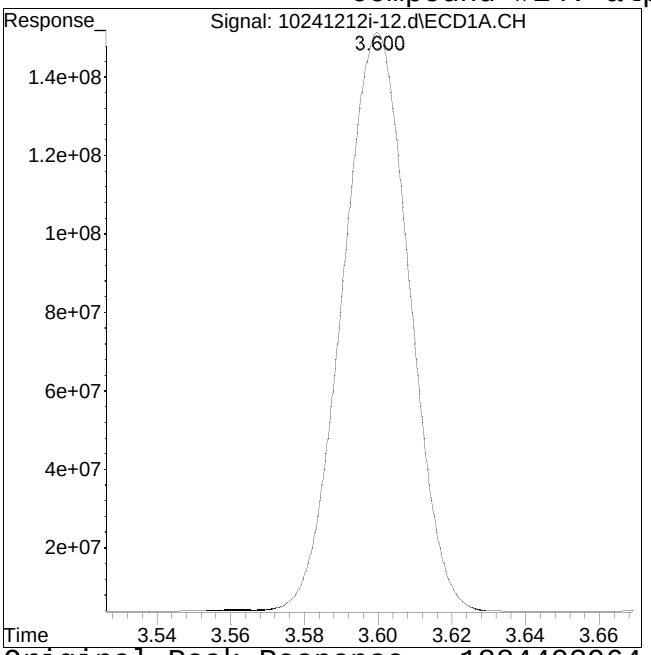


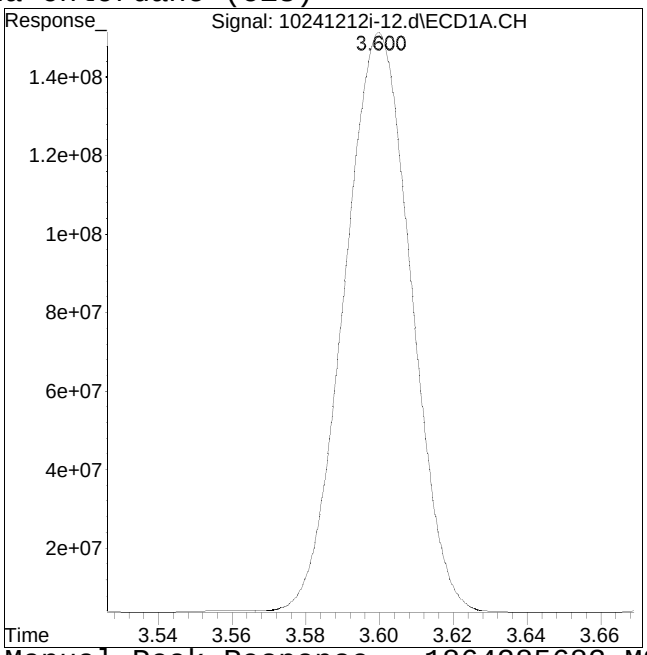
Original Peak Response = 1657048944 Manual Peak Response = 1641022712 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-12.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:25 Instrument : Pest 10
Sample : il11pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:50 am

Compound #14: alpha-Chlordane (cis)



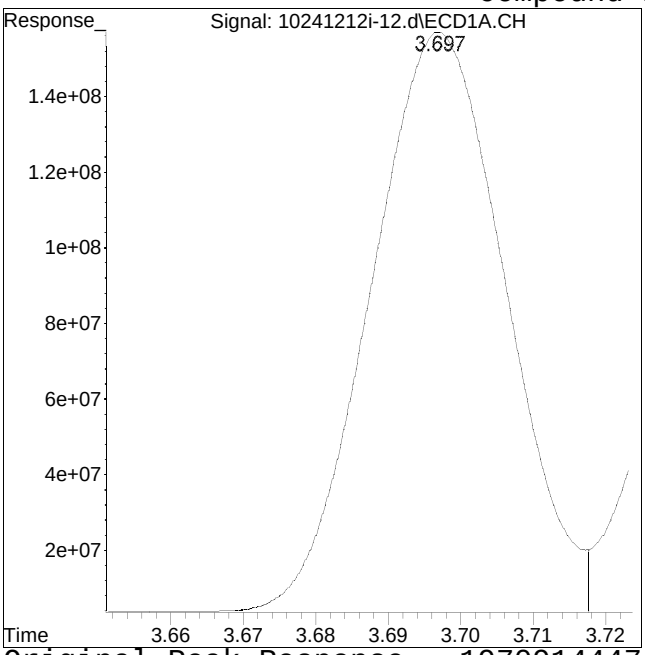


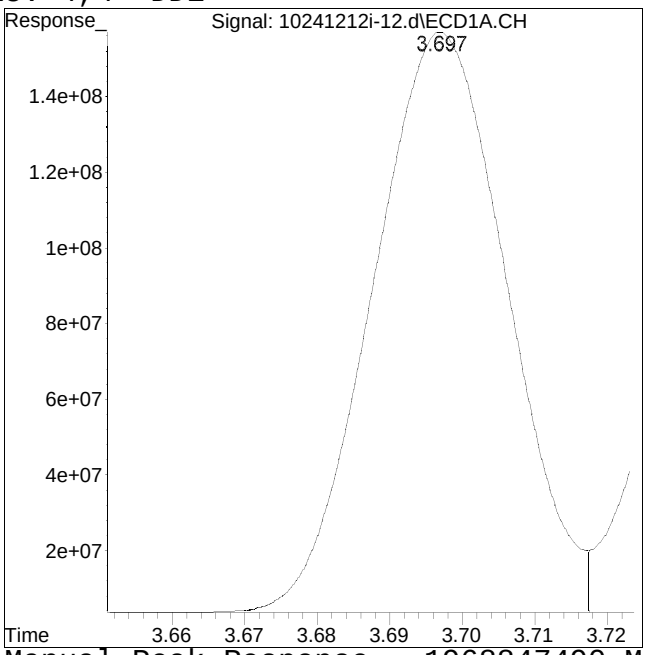
Original Peak Response = 1884403964 Manual Peak Response = 1864285683 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-12.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:25 Instrument : Pest 10
Sample : il11pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:50 am

Compound #15: 4,4'-DDE



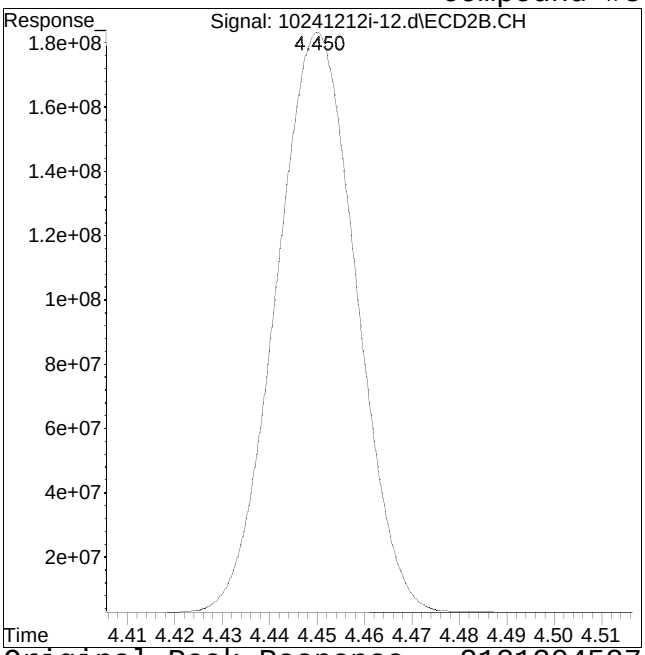


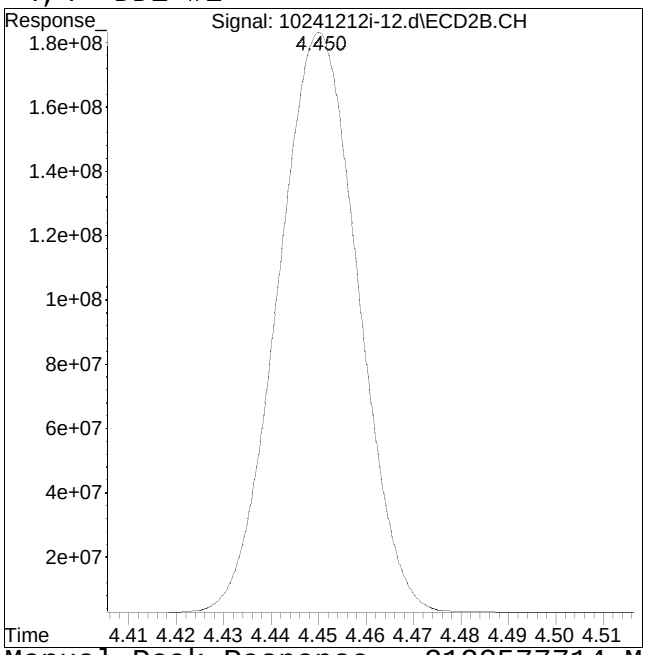
Original Peak Response = 1970914447 Manual Peak Response = 1968847490 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-12.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:25 Instrument : Pest 10
Sample : il11pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:50 am

Compound #53: 4,4'-DDE #2



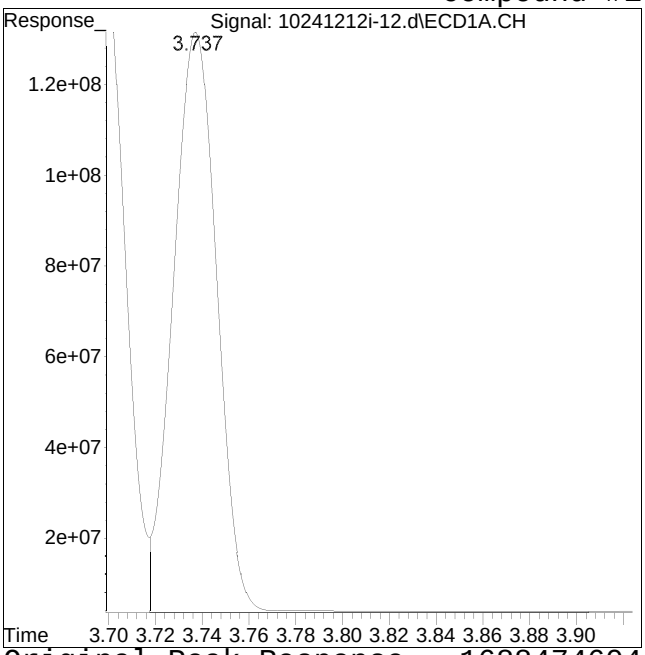


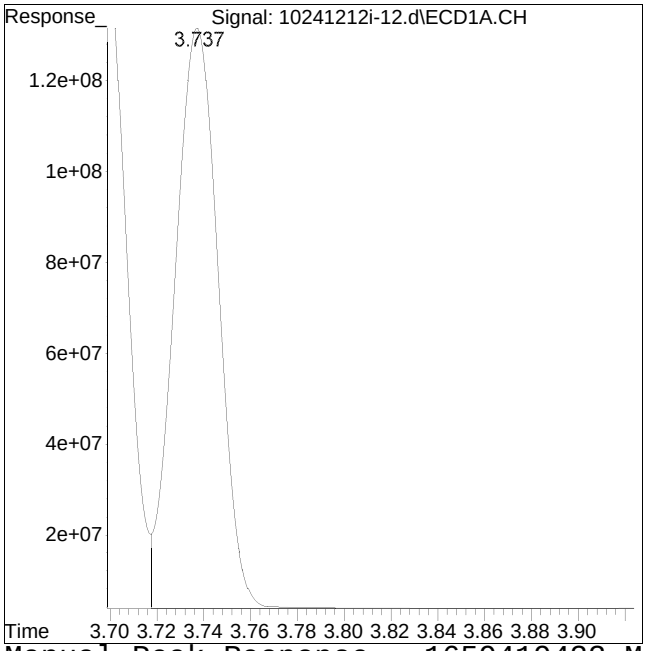
Original Peak Response = 2121204527 Manual Peak Response = 2122577714 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-12.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:25 Instrument : Pest 10
Sample : il11pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:50 am

Compound #16: Endosulfan I



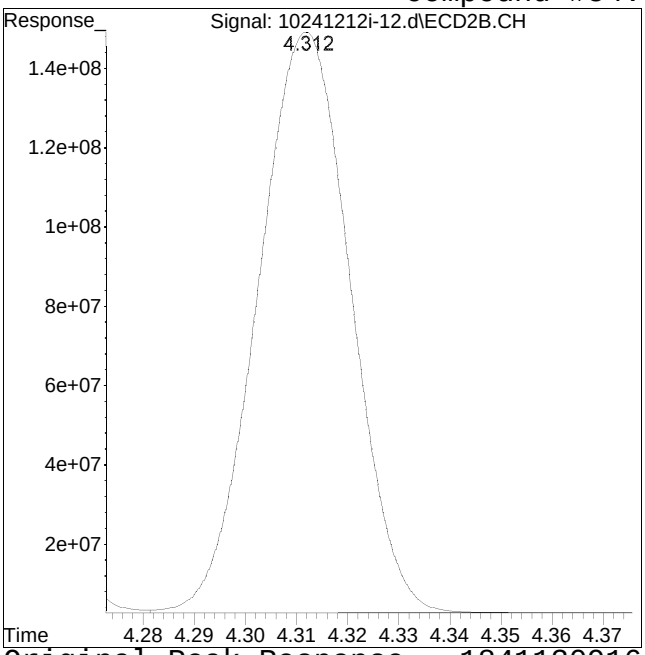


Original Peak Response = 1688474604 Manual Peak Response = 1659419433 M4
M4 = Poor automated baseline construction.

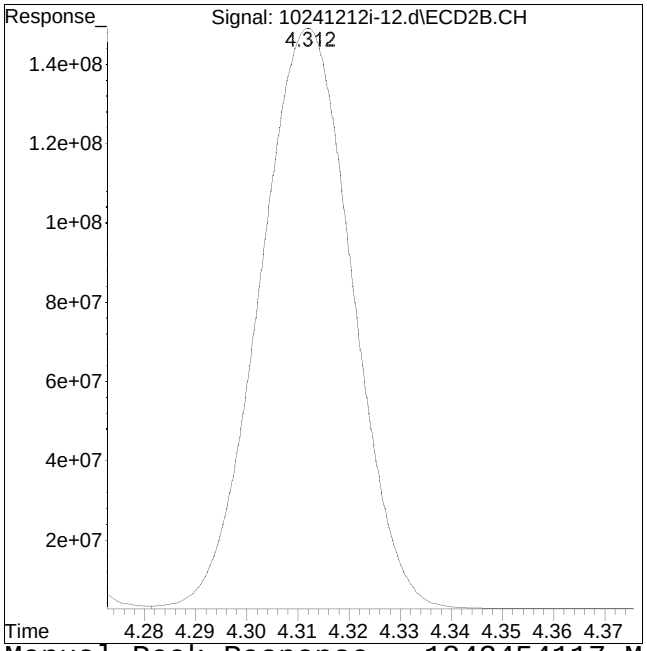
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-12.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:25 Instrument : Pest 10
Sample : il11pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:50 am

Compound #54: Endosulfan I #2



Original Peak Response = 1841130916



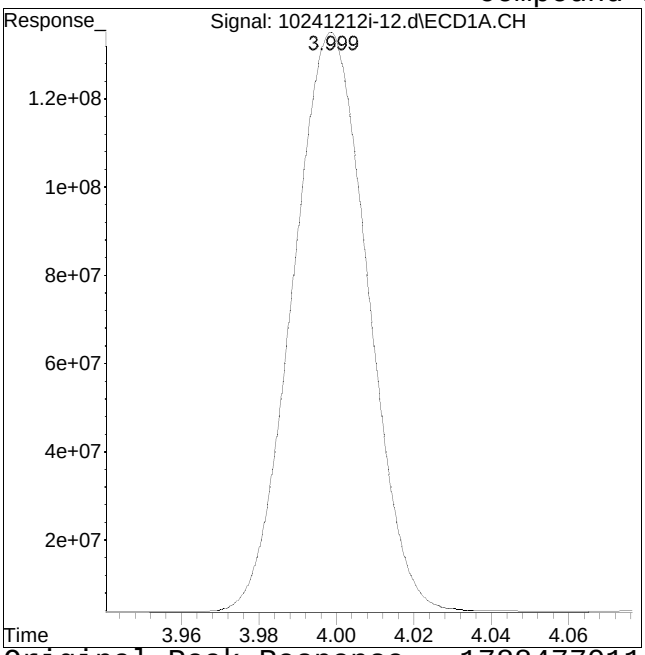
Manual Peak Response = 1843454117 M4
M4 = Poor automated baseline construction.

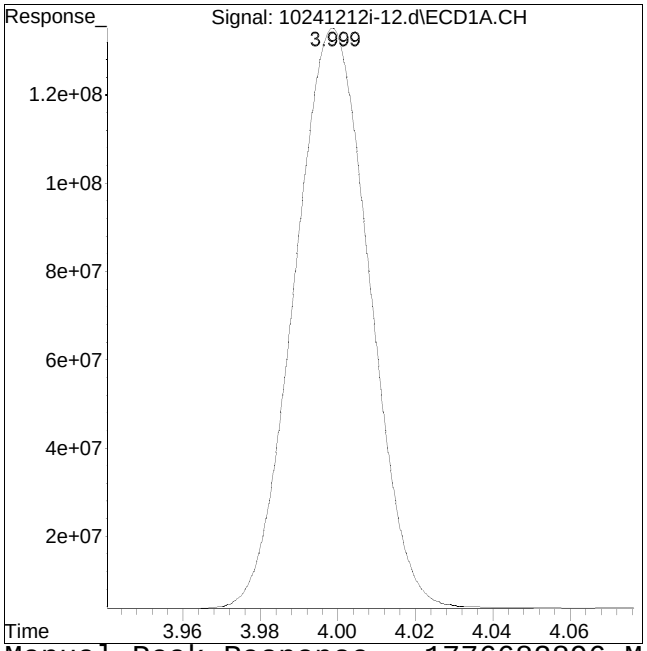
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-12.d
Date Inj'd : 12/12/2024 21:25
Sample : il11pest,42e,,pp 11929 L0.

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 9:50 am

Compound #17: Dieldrin



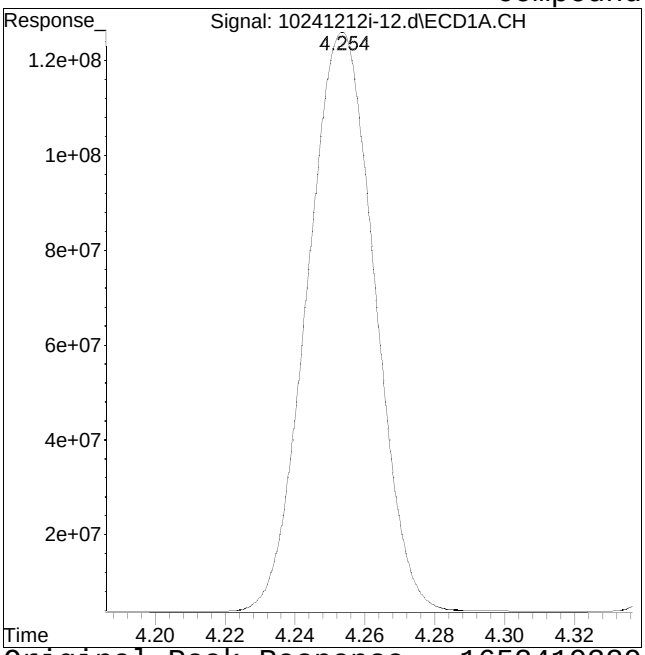


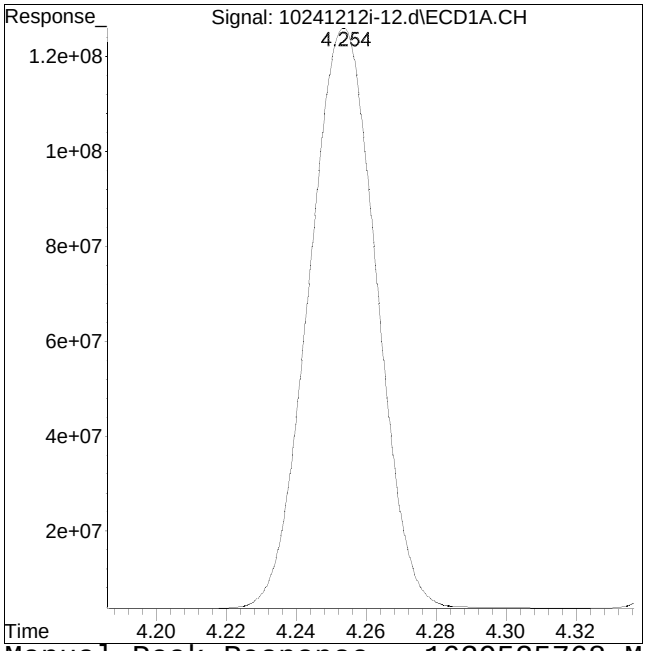
Original Peak Response = 1788477011 Manual Peak Response = 1776682896 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-12.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:25 Instrument : Pest 10
Sample : il11pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:50 am

Compound #18: Endrin



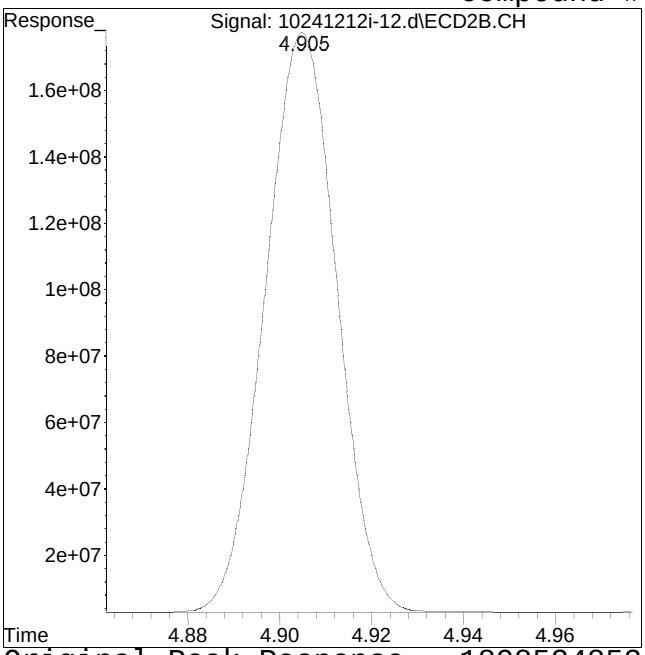


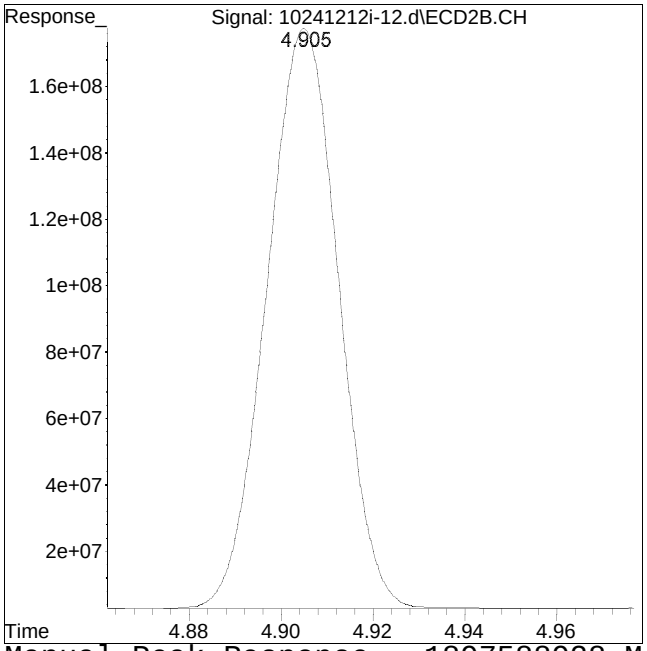
Original Peak Response = 1652419329 Manual Peak Response = 1639525768 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-12.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:25 Instrument : Pest 10
Sample : il11pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:50 am

Compound #56: Endrin #2



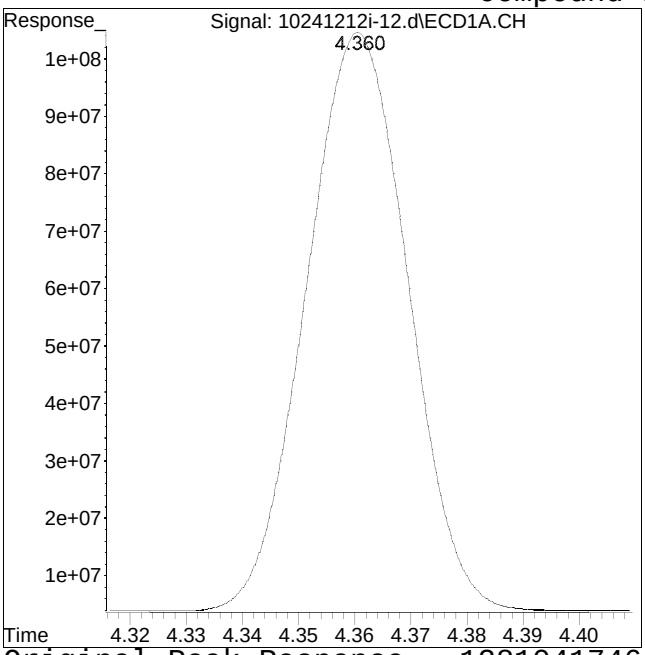


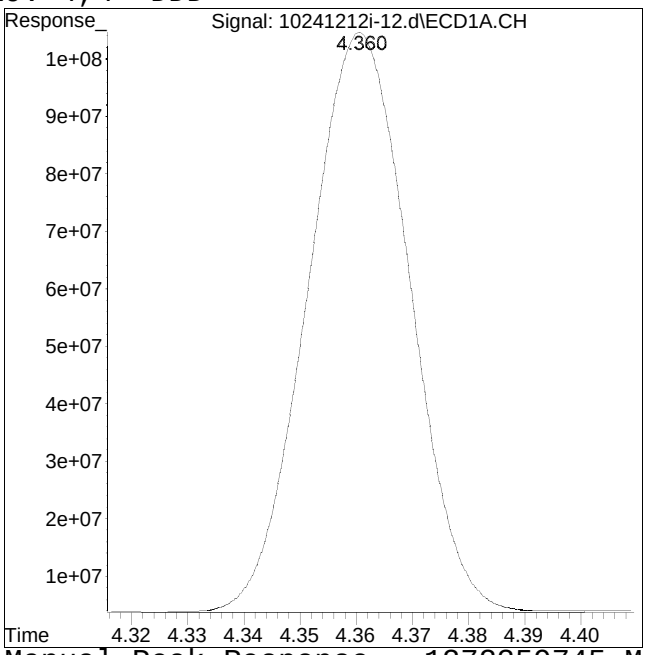
Original Peak Response = 1898524853 Manual Peak Response = 1897588928 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-12.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:25 Instrument : Pest 10
Sample : il11pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:50 am

Compound #19: 4,4'-DDD



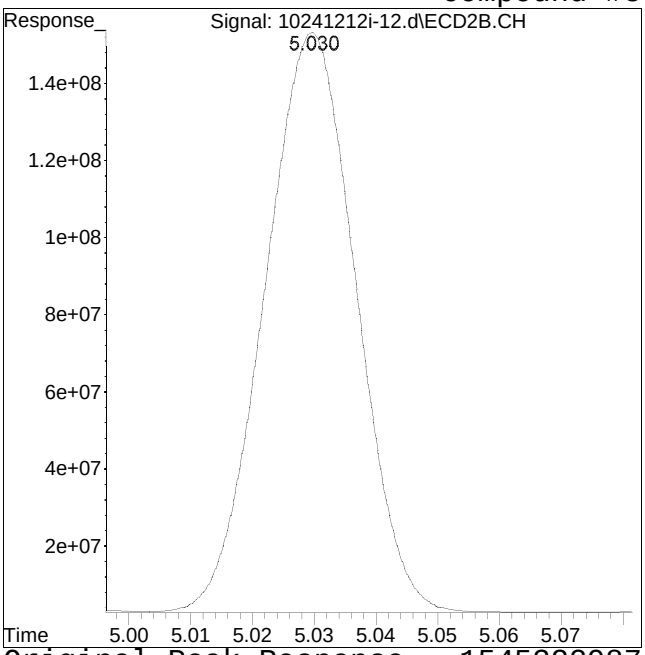


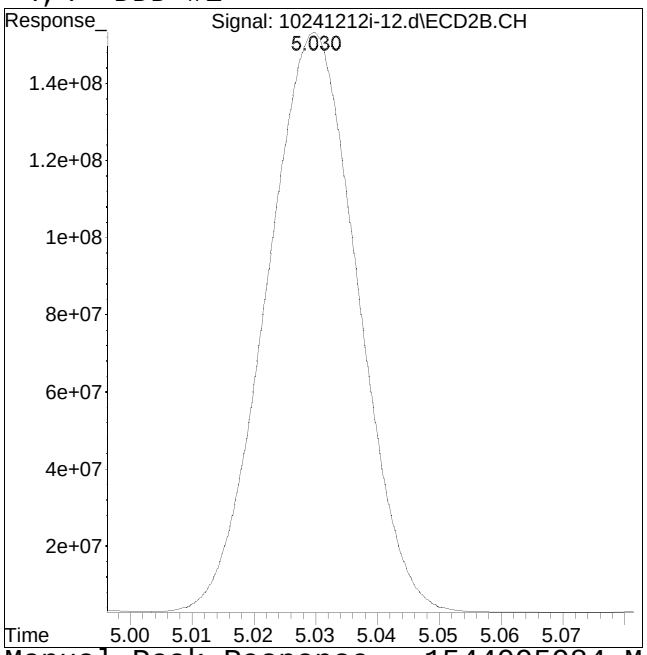
Original Peak Response = 1281041746 Manual Peak Response = 1272359745 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-12.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:25 Instrument : Pest 10
Sample : il11pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:50 am

Compound #57: 4,4'-DDD #2



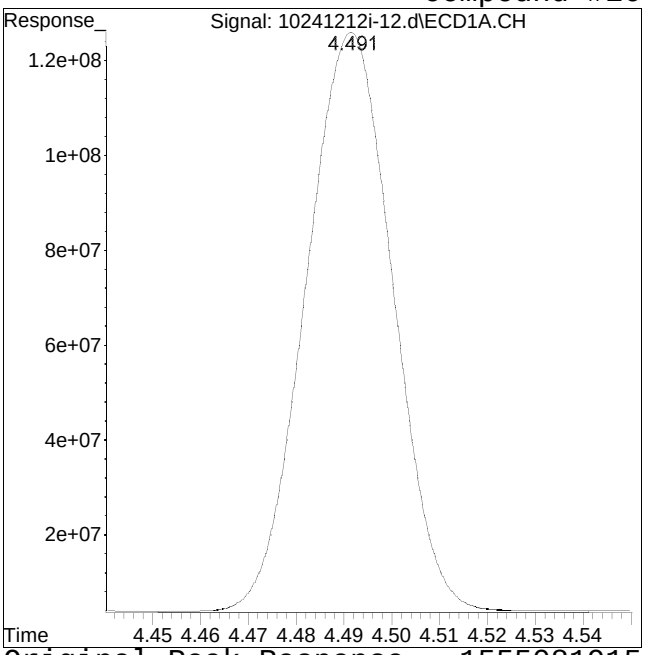


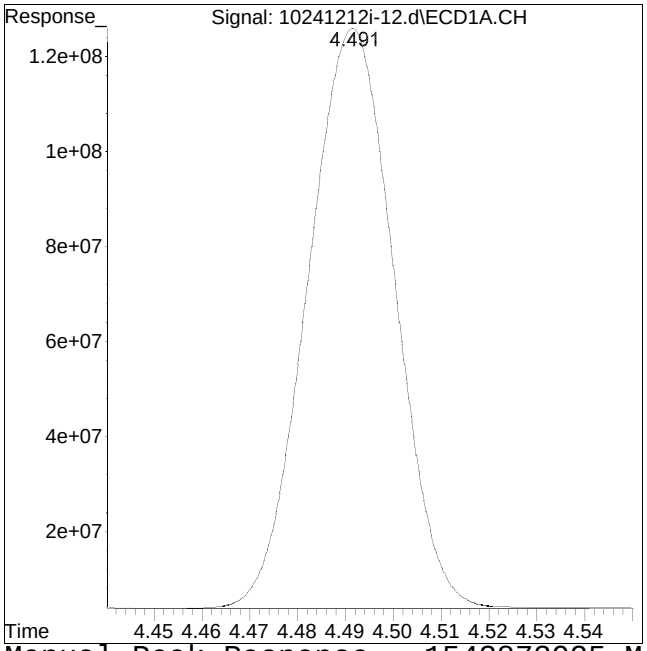
Original Peak Response = 1545322987 Manual Peak Response = 1544095984 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-12.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:25 Instrument : Pest 10
Sample : il11pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:50 am

Compound #20: Endosulfan II





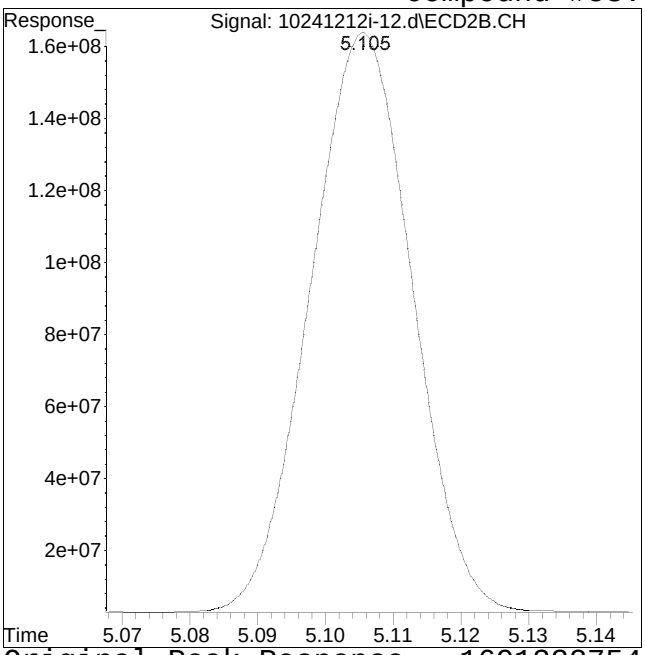
Original Peak Response = 1555081915 Manual Peak Response = 1543873925 M4
M4 = Poor automated baseline construction.

Manual Integration Report

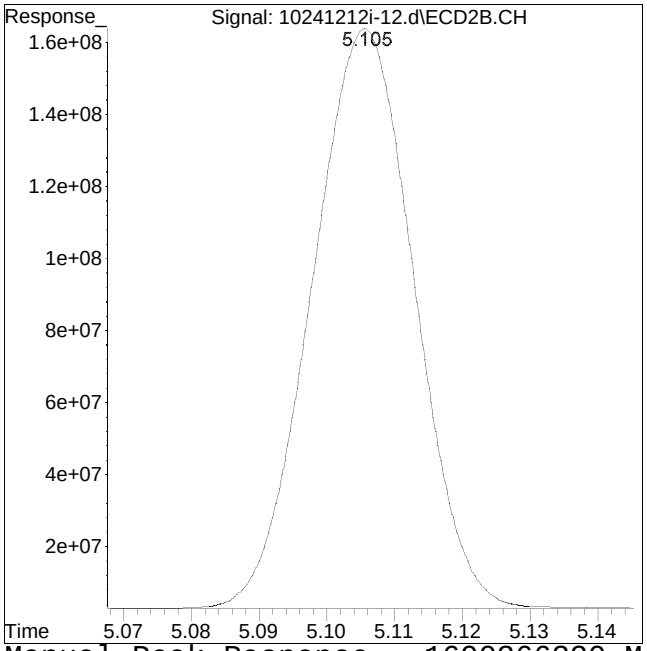
Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-12.d
Date Inj'd : 12/12/2024 21:25
Sample : il11pest,42e,,pp 11929 L0.

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 9:50 am

Compound #58: Endosulfan II #2



Original Peak Response = 1691332754



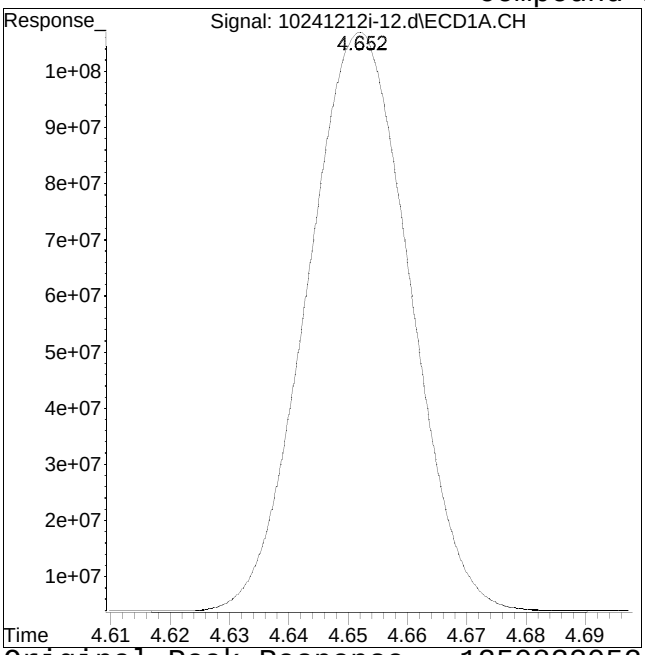
Manual Peak Response = 1690366320 M4

M4 = Poor automated baseline construction.

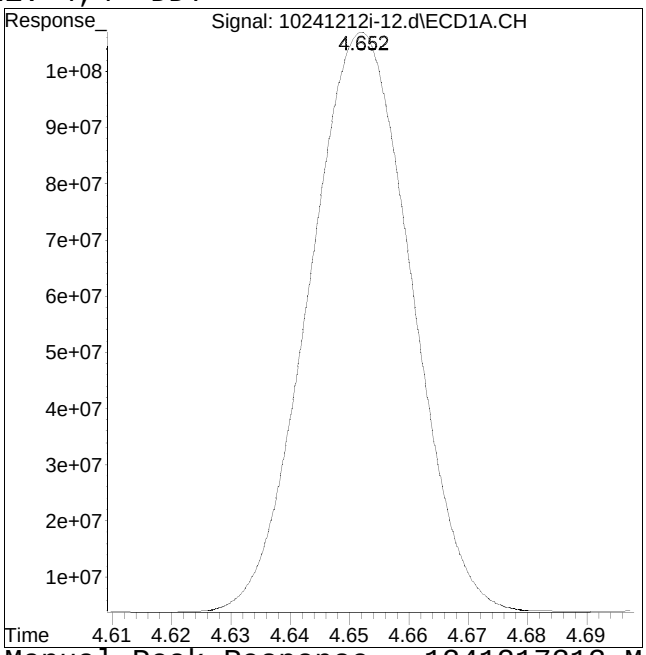
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-12.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:25 Instrument : Pest 10
Sample : il11pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:50 am

Compound #21: 4,4'-DDT



Original Peak Response = 1250833052



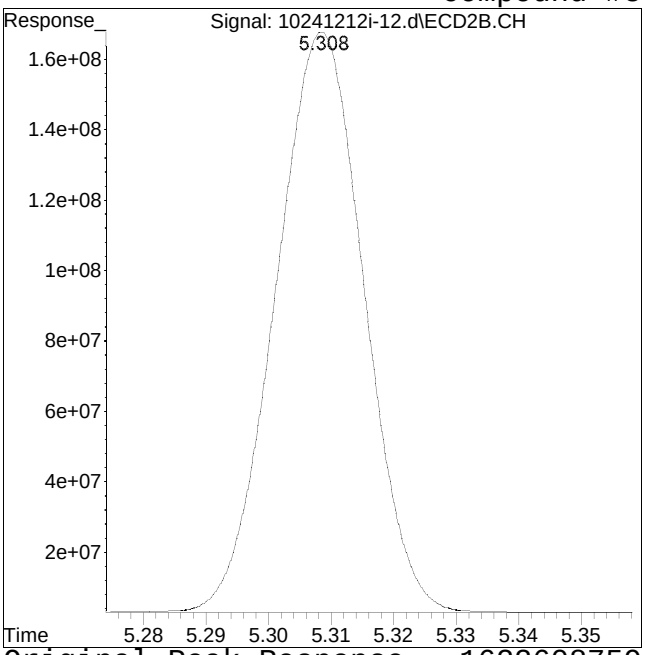
Manual Peak Response = 1241217313 M4
M4 = Poor automated baseline construction.

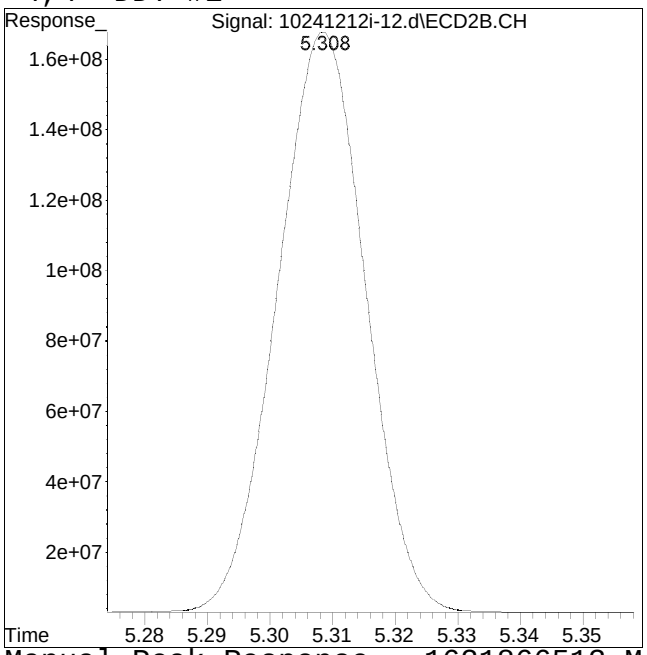
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-12.d
Date Inj'd : 12/12/2024 21:25
Sample : il11pest,42e,,pp 11929 L0

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 9:50 am

Compound #59: 4,4'-DDT #2



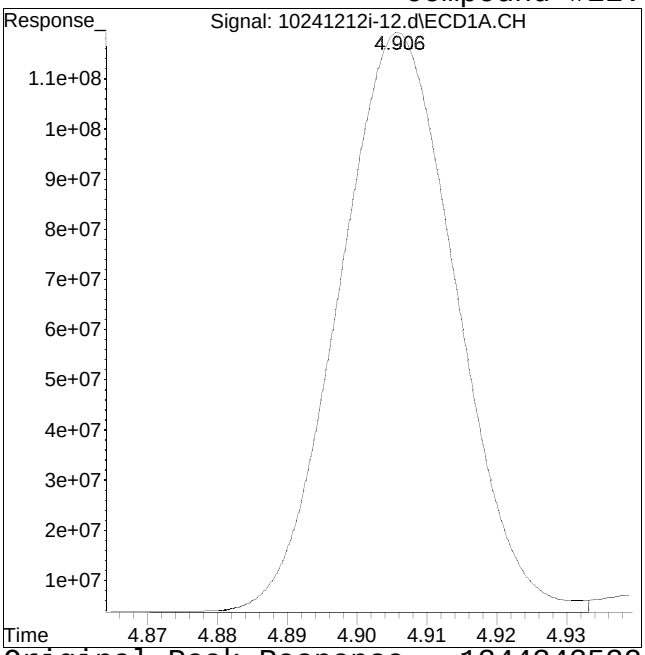


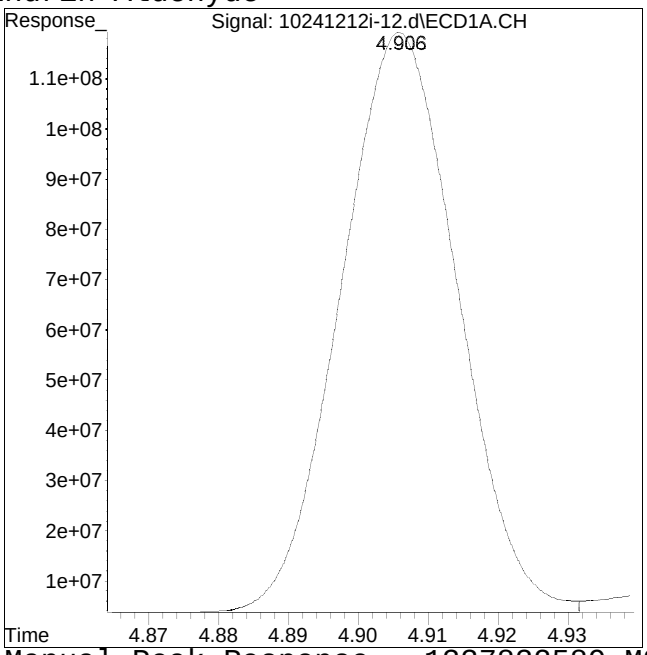
Original Peak Response = 1622608759 Manual Peak Response = 1621866513 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-12.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:25 Instrument : Pest 10
Sample : il11pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:50 am

Compound #22: Endrin Aldehyde



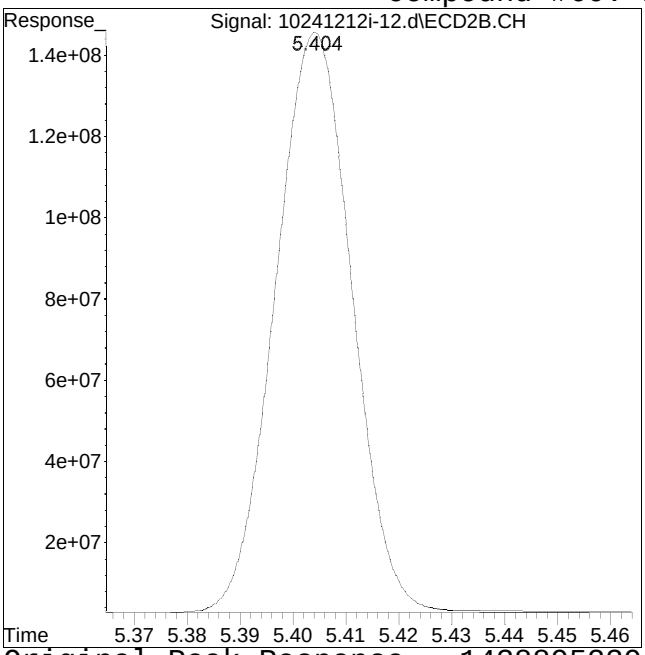


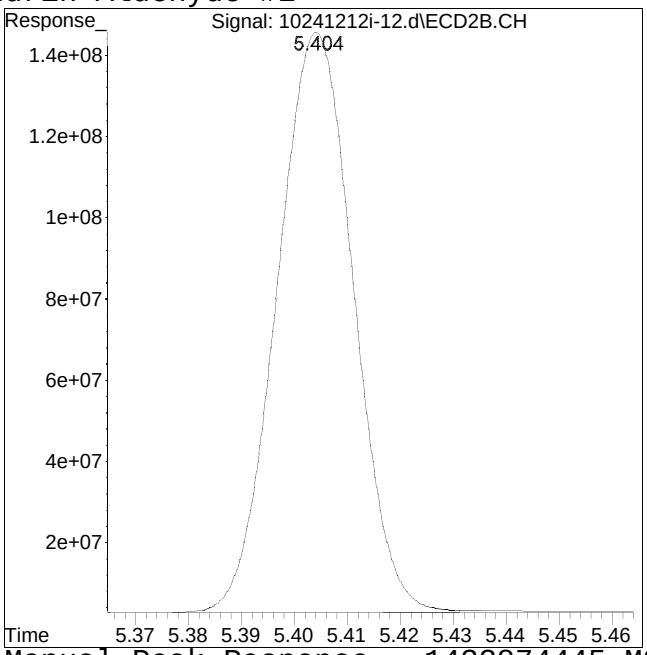
Original Peak Response = 1344343532 Manual Peak Response = 1337832589 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-12.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:25 Instrument : Pest 10
Sample : il11pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:50 am

Compound #60: Endrin Aldehyde #2



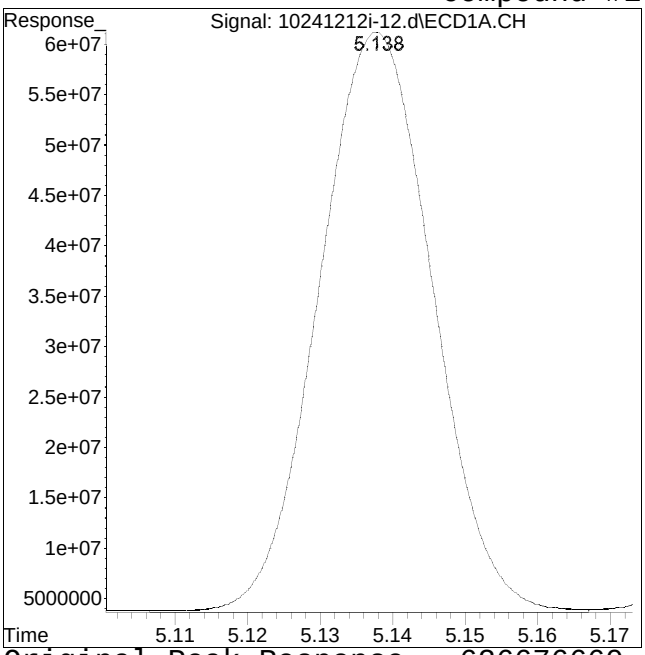


Original Peak Response = 1438895239 Manual Peak Response = 1433874445 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

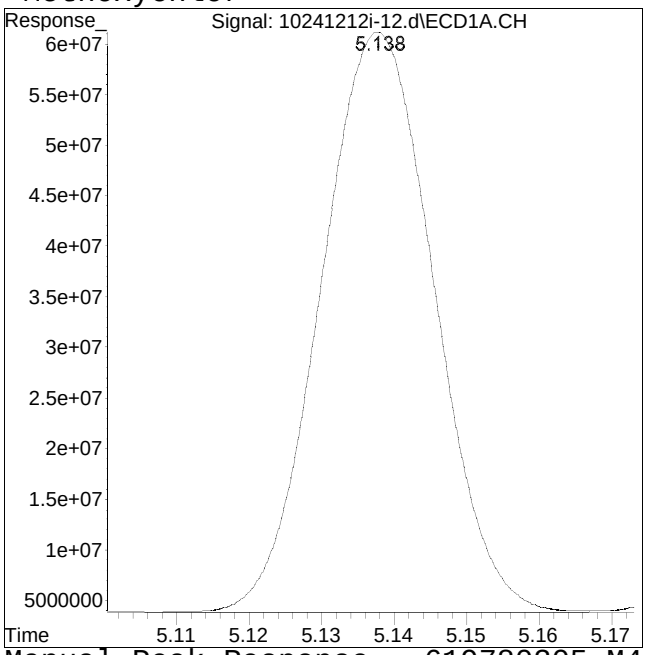
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-12.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:25 Instrument : Pest 10
Sample : il11pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:50 am

Compound #23: Methoxychlor



Original Peak Response = 626676660



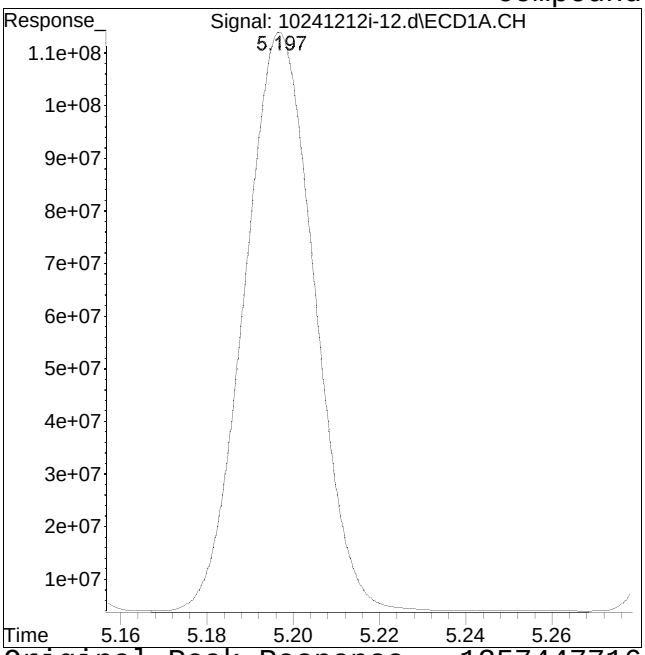
Manual Peak Response = 619780305 M4

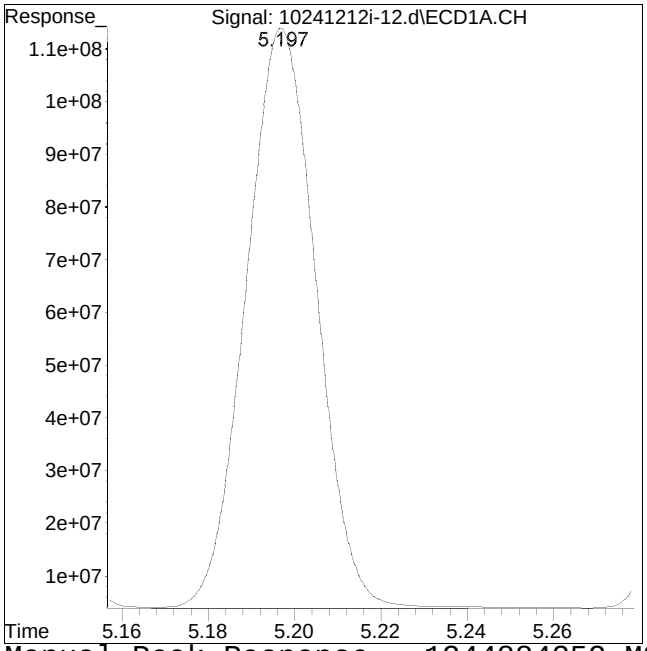
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-12.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:25 Instrument : Pest 10
Sample : il11pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:50 am

Compound #24: Mirex



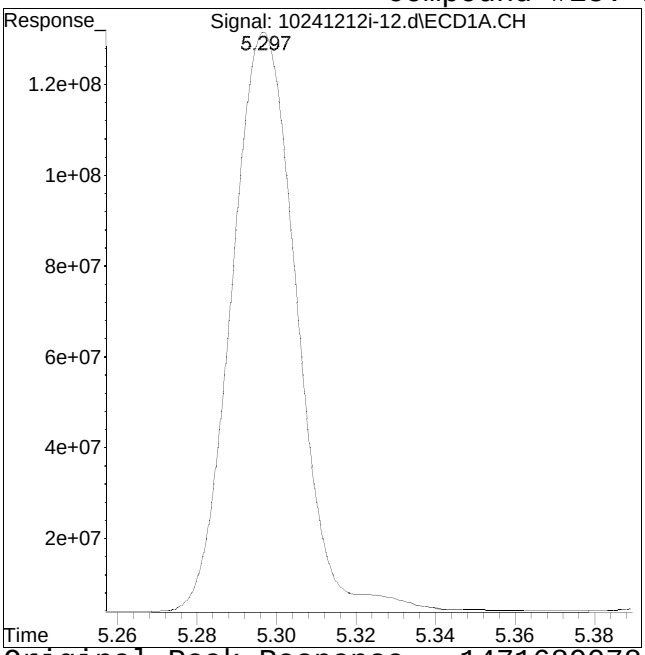


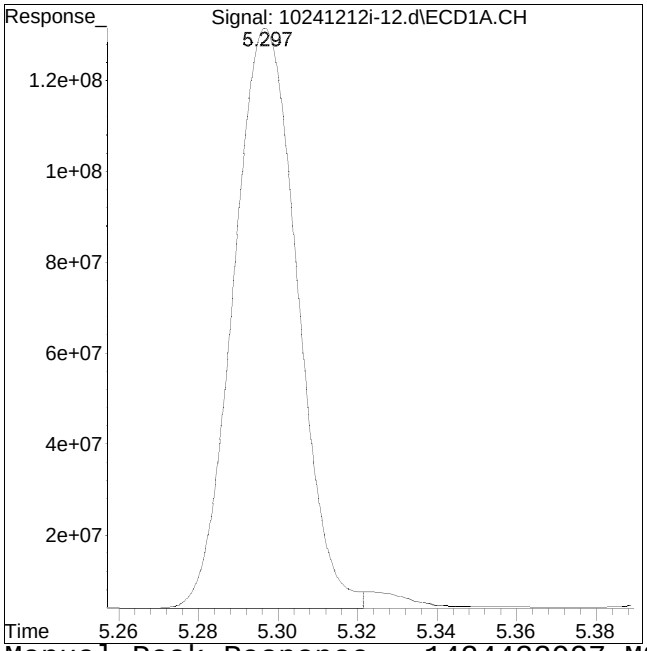
Original Peak Response = 1257447716 Manual Peak Response = 1244884252 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-12.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:25 Instrument : Pest 10
Sample : il11pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:50 am

Compound #25: Endosulfan Sulfate





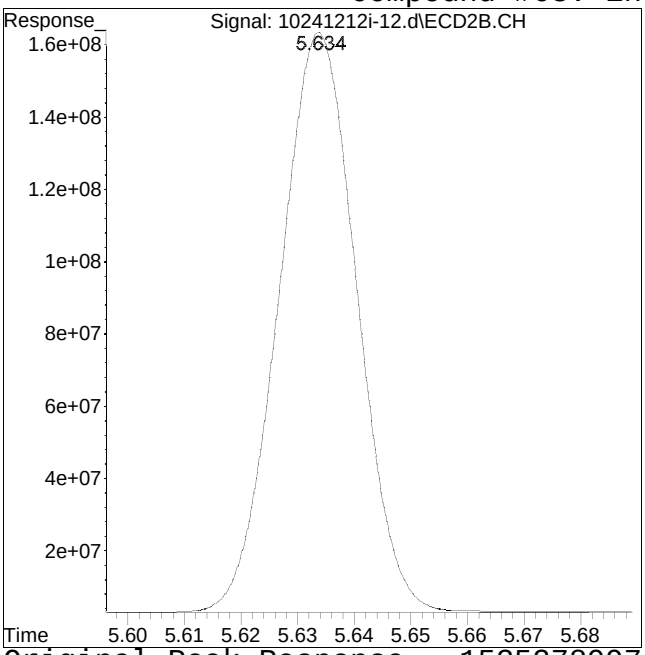
Original Peak Response = 1471689078 Manual Peak Response = 1424432927 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

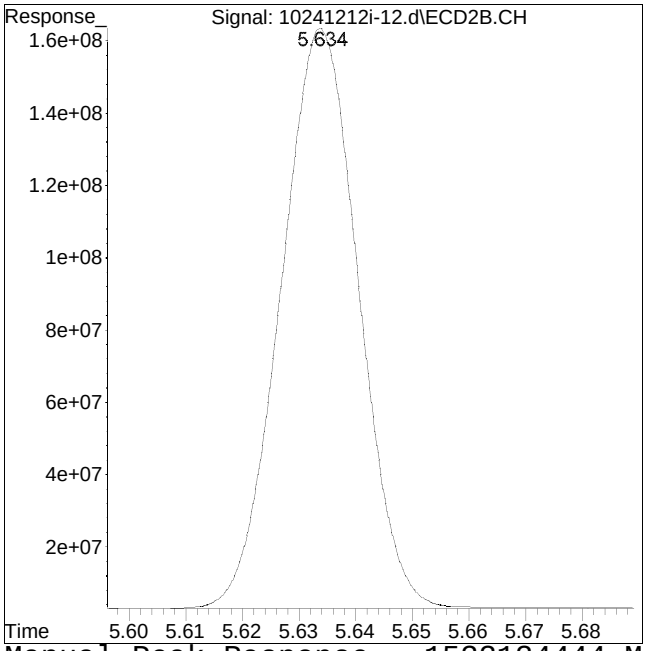
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-12.d
Date Inj'd : 12/12/2024 21:25
Sample : il11pest,42e,,pp 11929 L0.

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 9:50 am

Compound #63: Endosulfan Sulfate #2



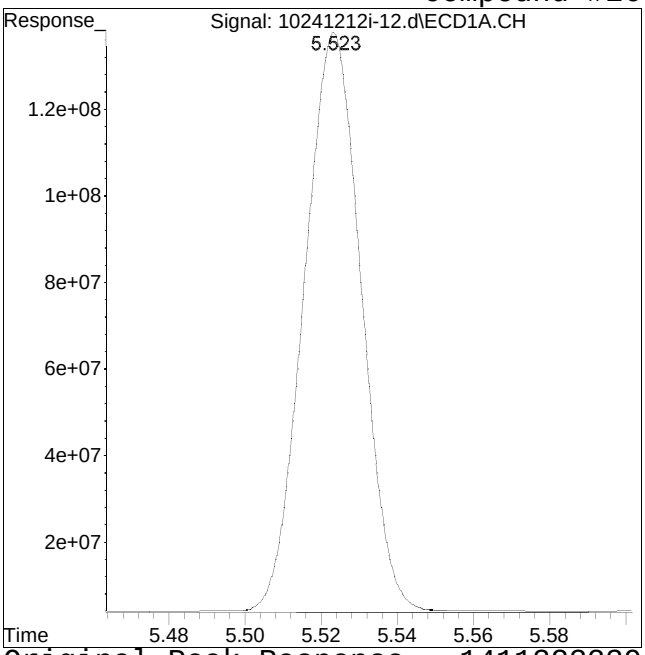


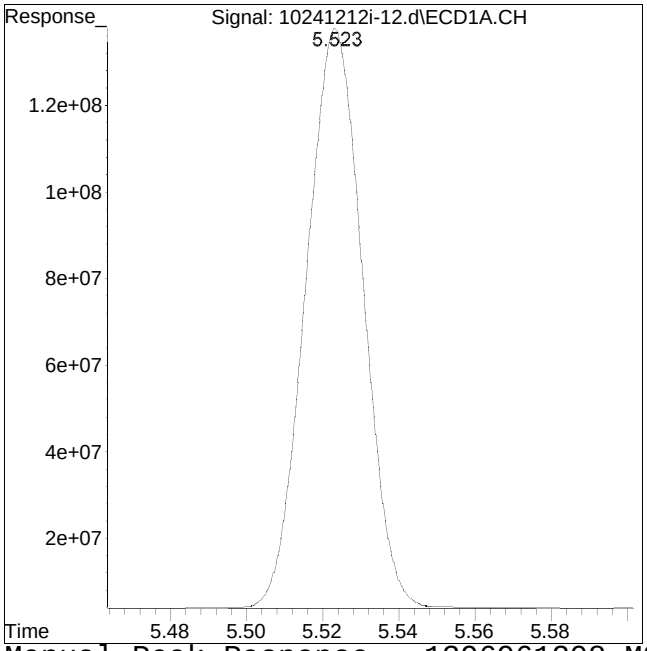
Original Peak Response = 1535278997 Manual Peak Response = 1533134444 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-12.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:25 Instrument : Pest 10
Sample : il11pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:50 am

Compound #26: Endrin Ketone



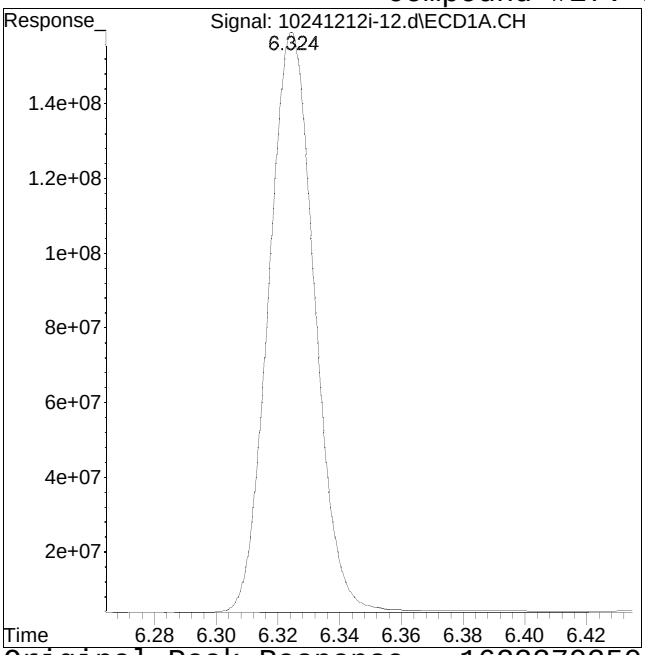


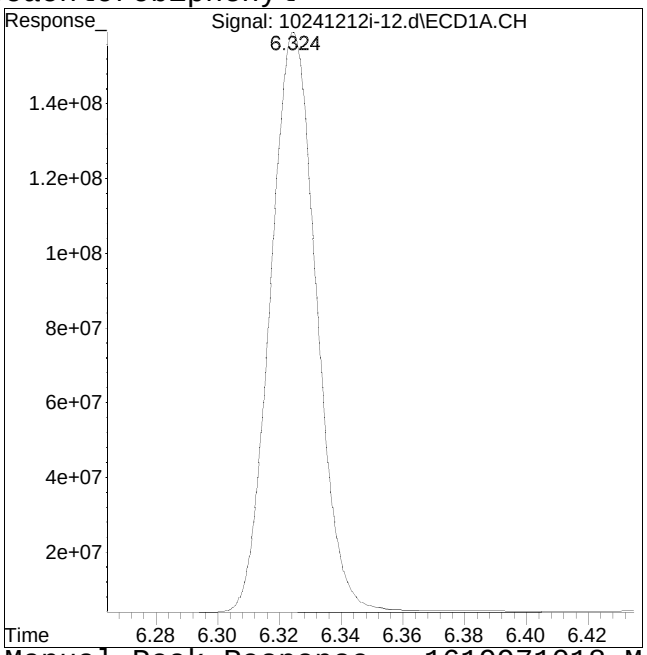
Original Peak Response = 1411323239 Manual Peak Response = 1396961208 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-12.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:25 Instrument : Pest 10
Sample : il11pest,42e,,pp 11929 L0.Quant Date : 12/13/2024 9:50 am

Compound #27: Decachlorobiphenyl





Original Peak Response = 1623379350 Manual Peak Response = 1619971018 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-14.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 21:47
Operator : PEST10:ejl
Sample : il2chlor,42e,,pp 11930 L0.01
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 11:46:43 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 11:46:36 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.325	1.365	83008709	78001218	25.000M4	25.000M4
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4) t	alpha-BHC	0.000	0.000	0	0	N.D.	N.D.
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D.	N.D.
6) t	beta-BHC	0.000	0.000	0	0	N.D.	N.D.
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D.	N.D.
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D.	N.D.
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-14.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 21:47
Operator : PEST10:ejl
Sample : il2chlor,42e,,pp 11930 L0.01
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 11:46:43 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 11:46:36 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.479	2.793	2917512	1963071	14.970	13.082M4
30) l1	chlordane-3	2.900	3.396	3492172	2648157	15.736	14.486M4
31) l1	chlordane-4	3.462	4.078	11443211	8279424	15.360M4	13.327M4
32) l1	chlordane-5	3.591	4.250	17475180	6659244	15.329M3	13.309M4
Sum	chlordane-1			35328075	19549896	NoCal	NoCal D
Average	chlordane-1					15.349	13.551
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D.	N.D.
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

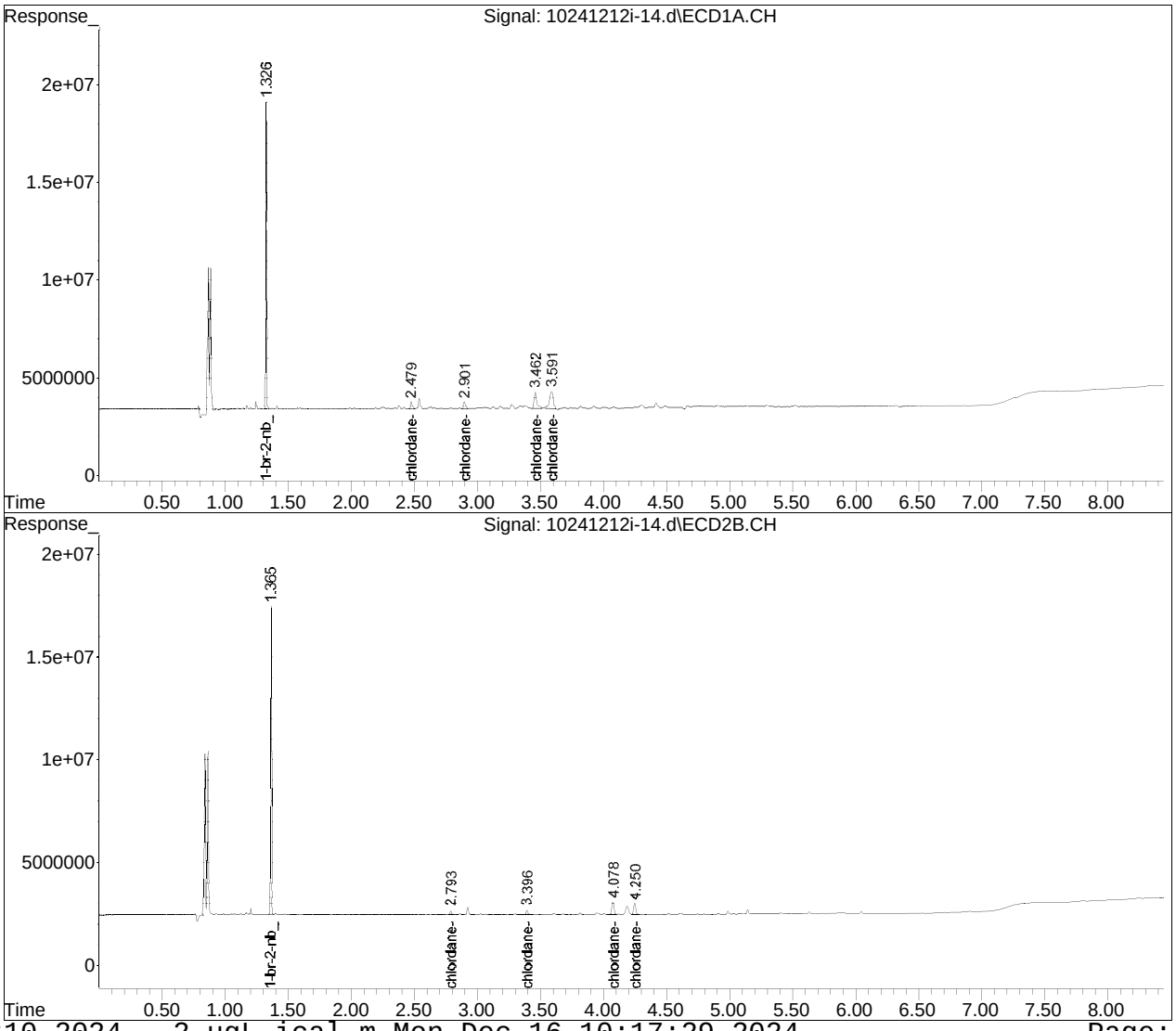
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-14.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 21:47
Operator : PEST10:ejl
Sample : il2chlor,42e,,pp 11930 L0.01
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 11:46:43 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 11:46:36 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

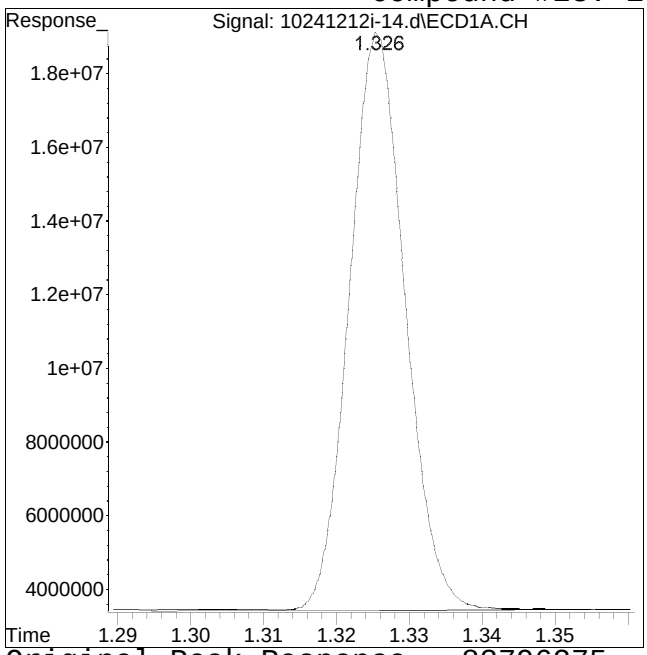
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



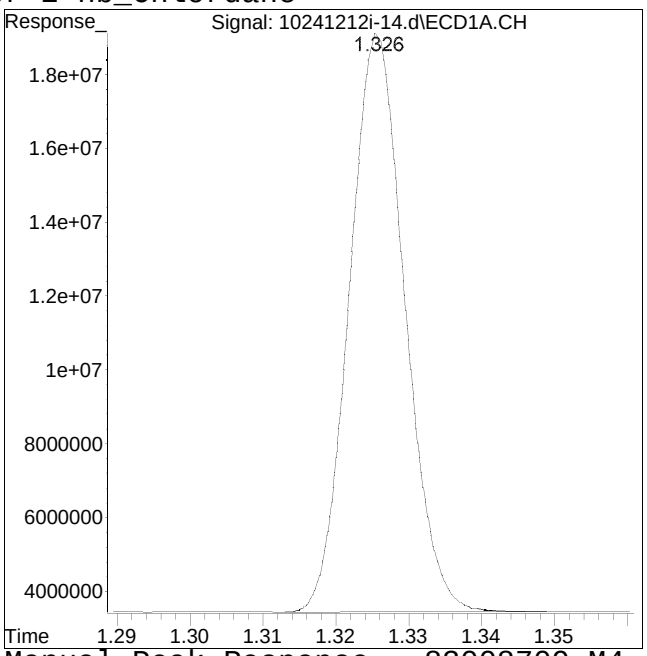
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-14.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:47 Instrument : Pest 10
Sample : il2chlor,42e,,pp 11930 L0.Quant Date : 12/13/2024 11:46 am

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 83796275



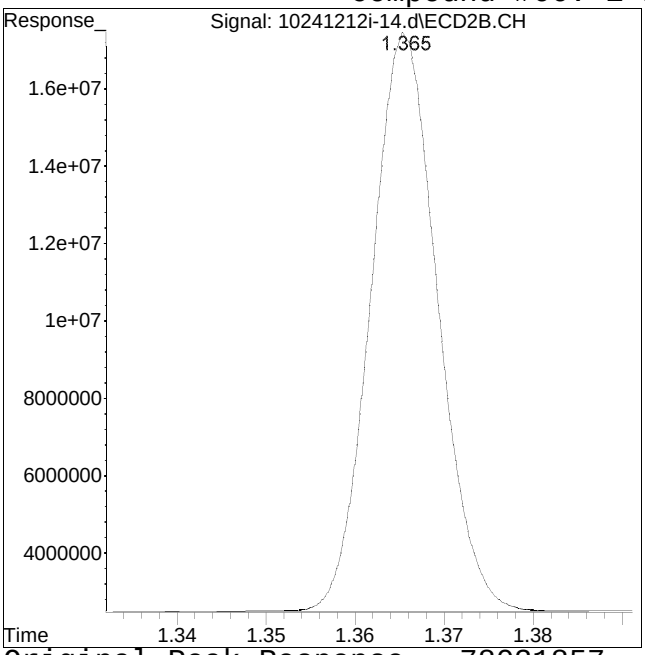
Manual Peak Response = 83008709 M4

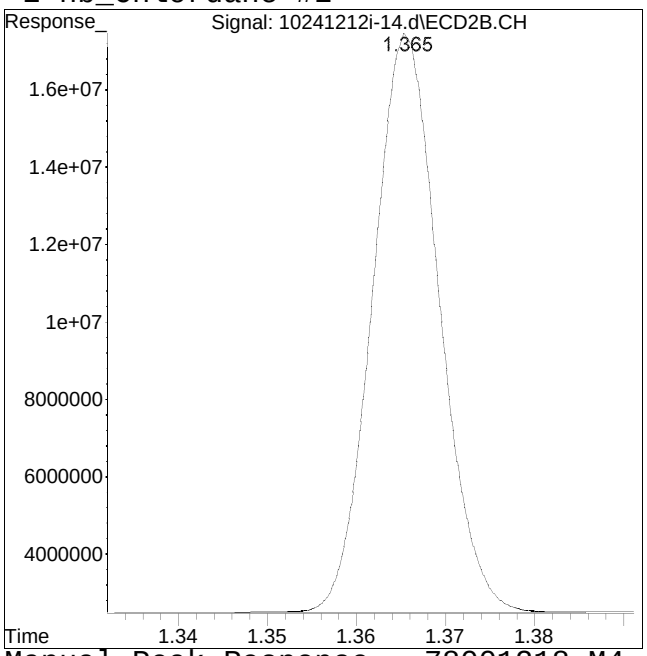
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-14.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:47 Instrument : Pest 10
Sample : il2chlor,42e,,pp 11930 L0.Quant Date : 12/13/2024 11:46 am

Compound #66: 1-br-2-nb_Chlordane #2



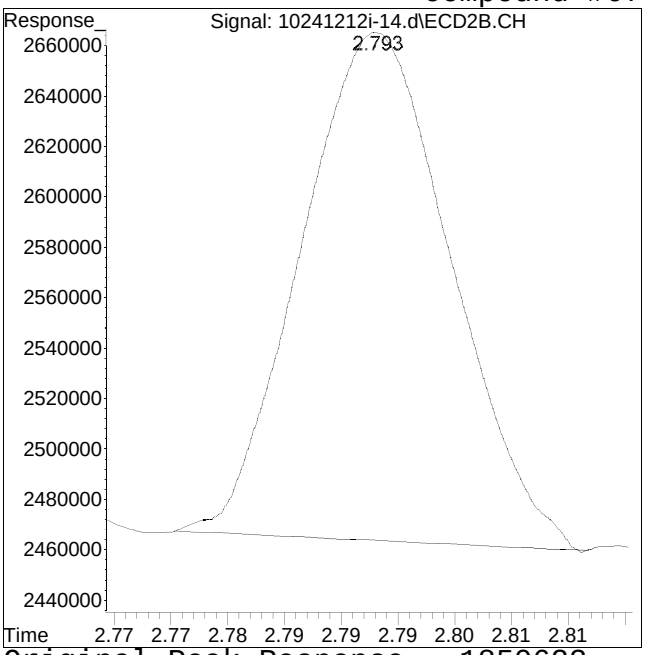


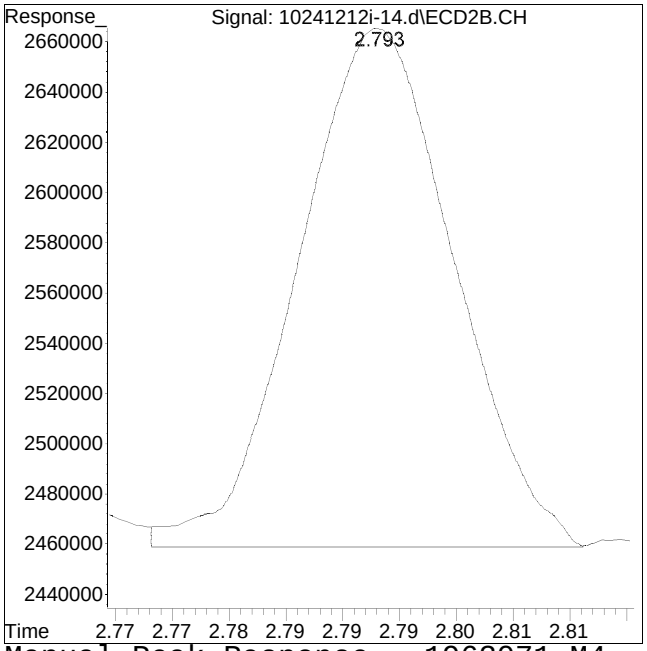
Original Peak Response = 78031857 Manual Peak Response = 78001218 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-14.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:47 Instrument : Pest 10
Sample : il2chlor,42e,,pp 11930 L0.Quant Date : 12/13/2024 11:46 am

Compound #67: chlordane-1 #2



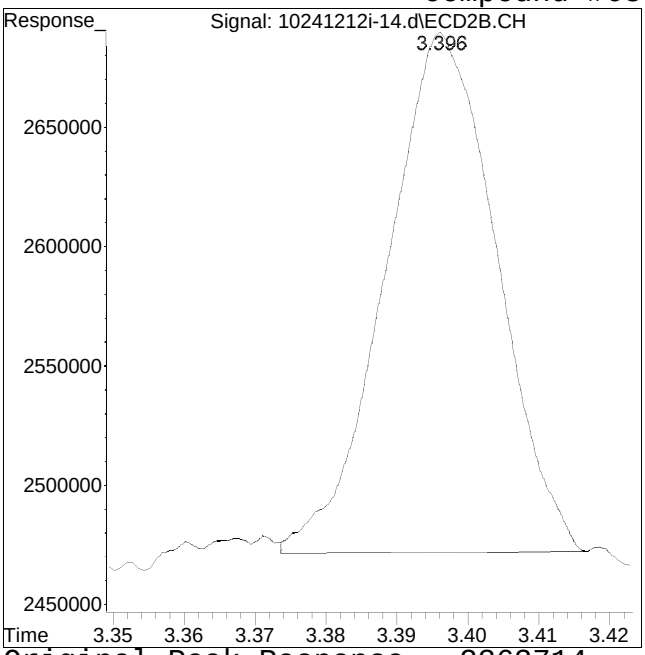


Original Peak Response = 1850623 Manual Peak Response = 1963071 M4
M4 = Poor automated baseline construction.

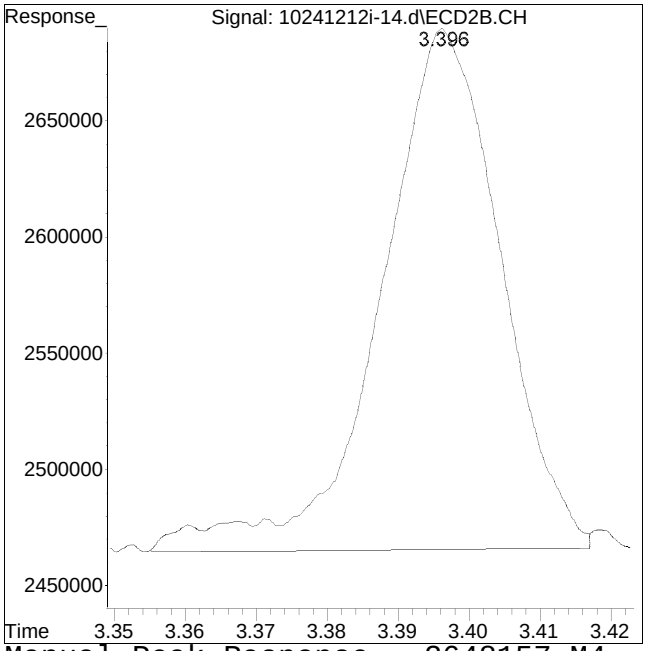
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-14.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:47 Instrument : Pest 10
Sample : il2chlor,42e,,pp 11930 L0.Quant Date : 12/13/2024 11:46 am

Compound #68: chlordane-3 #2



Original Peak Response = 2363714



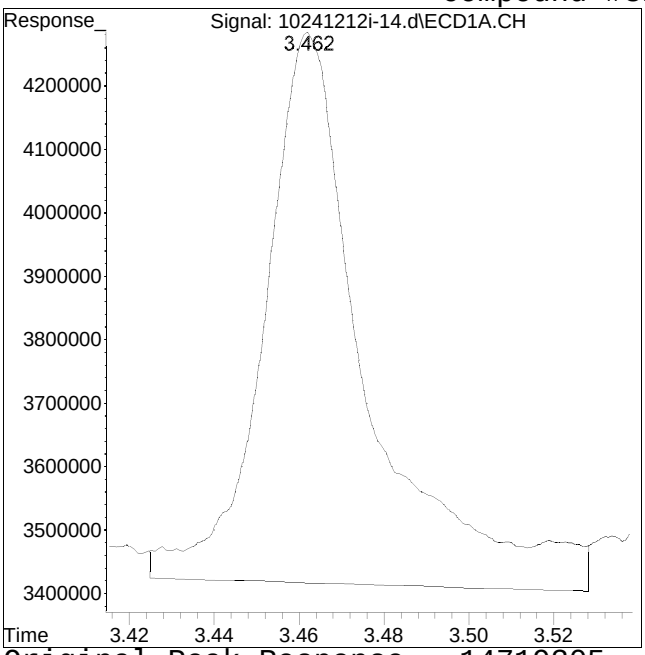
Manual Peak Response = 2648157 M4

M4 = Poor automated baseline construction.

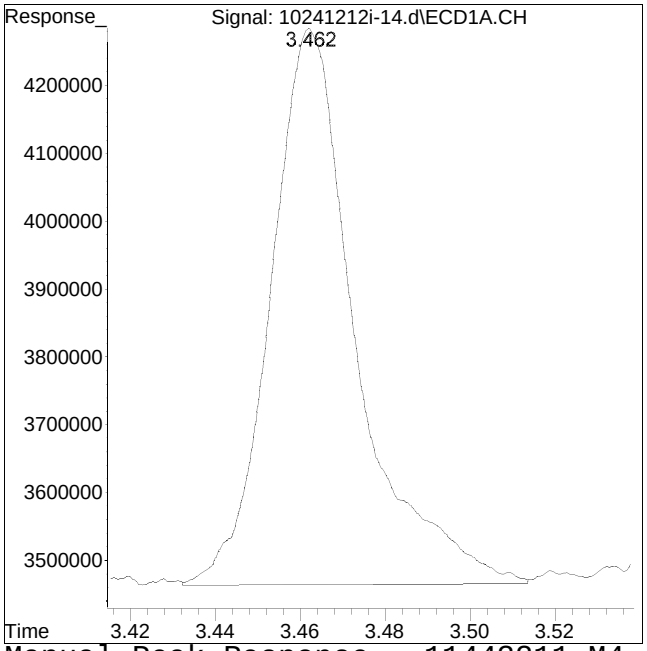
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-14.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:47 Instrument : Pest 10
Sample : il2chlor,42e,,pp 11930 L0.Quant Date : 12/13/2024 11:46 am

Compound #31: chlordane-4



Original Peak Response = 14719305



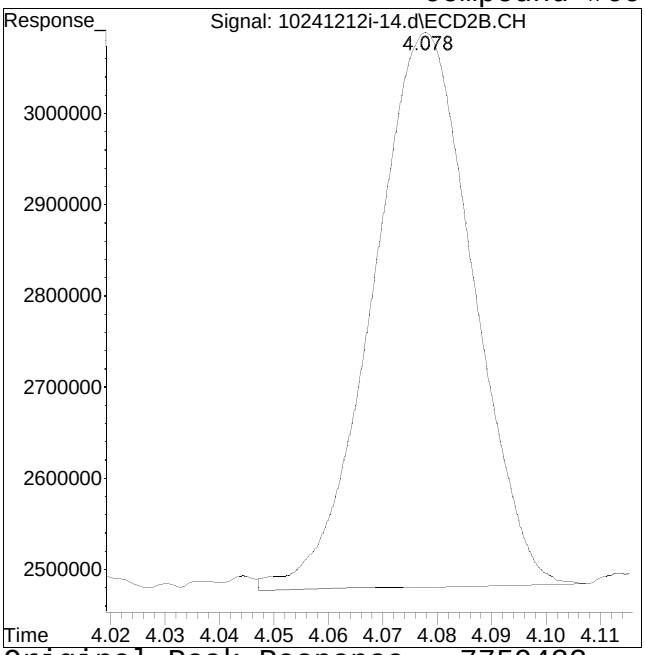
Manual Peak Response = 11443211 M4

M4 = Poor automated baseline construction.

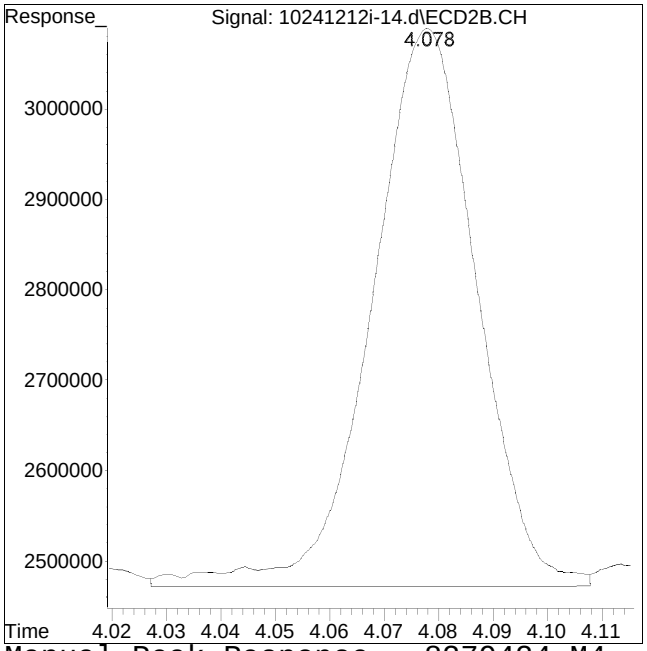
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-14.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:47 Instrument : Pest 10
Sample : il2chlor,42e,,pp 11930 L0.Quant Date : 12/13/2024 11:46 am

Compound #69: chlordane-4 #2



Original Peak Response = 7759433



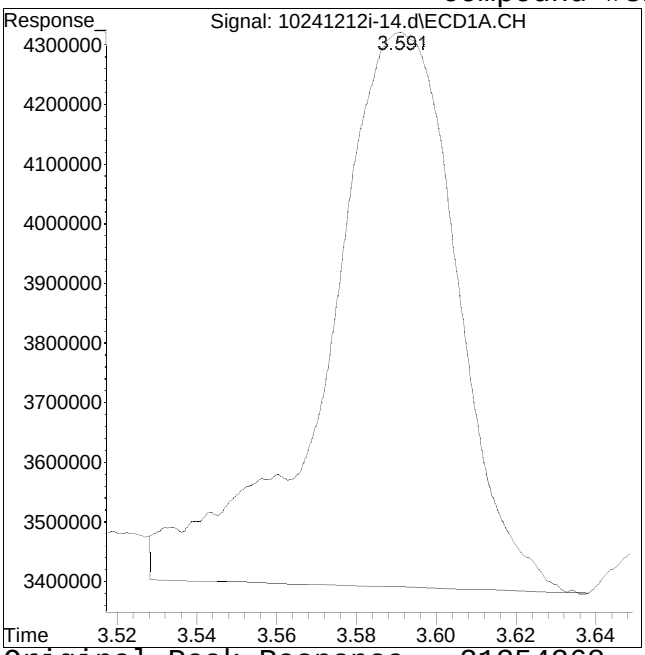
Manual Peak Response = 8279424 M4

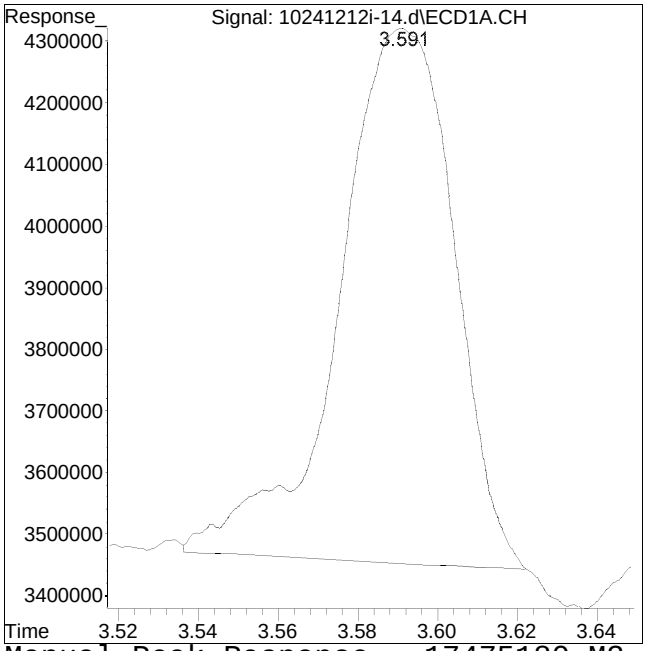
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-14.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:47 Instrument : Pest 10
Sample : il2chlor,42e,,pp 11930 L0.Quant Date : 12/13/2024 11:46 am

Compound #32: chlordane-5



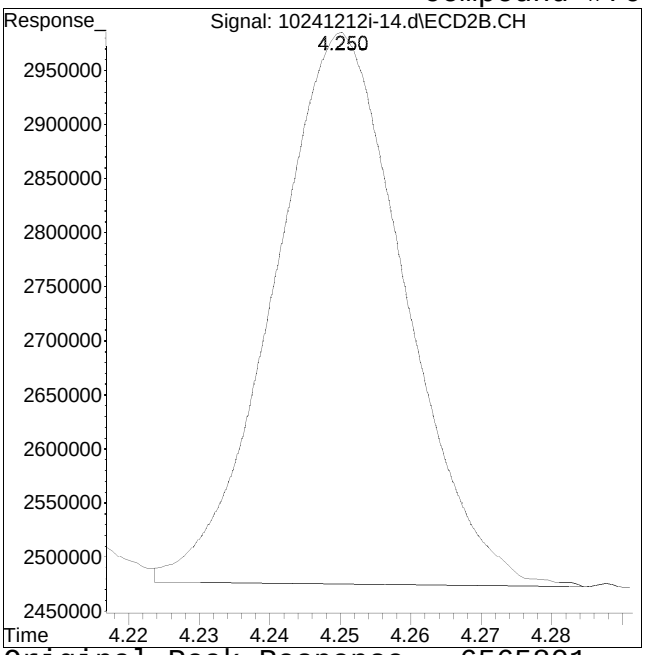


Original Peak Response = 21354268 Manual Peak Response = 17475180 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

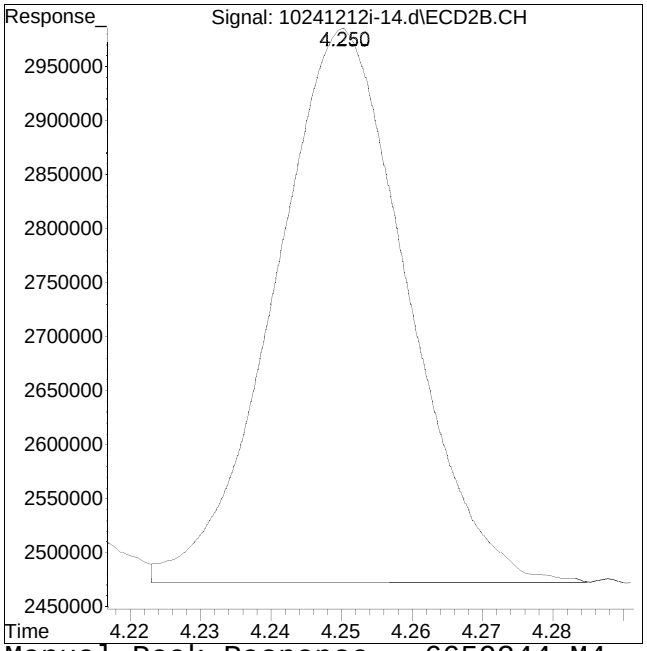
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-14.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:47 Instrument : Pest 10
Sample : il2chlor,42e,,pp 11930 L0.Quant Date : 12/13/2024 11:46 am

Compound #70: chlordane-5 #2



Original Peak Response = 6565801



Manual Peak Response = 6659244 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 21:58
Operator : PEST10:ejl
Sample : il3chlor,42e,,pp 11930 L0.02
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 11:45:03 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 11:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.326	1.365	82032378	76646879	25.000M3	25.000
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4) t	alpha-BHC	0.000	0.000	0	0	N.D.	N.D.
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D.	N.D.
6) t	beta-BHC	0.000	0.000	0	0	N.D.	N.D.
7) t	delta-BHC	0.000	0.000	0	0	N.D.	N.D.
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D.	N.D.
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D.	N.D.
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
16) t	Endosulfan I	0.000	0.000	0	0	N.D.	N.D.
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 21:58
Operator : PEST10:ejl
Sample : il3chlor,42e,,pp 11930 L0.02
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 11:45:03 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 11:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
24) t	Mirex	0.000	0.000	0	0	N.D.	N.D.
25) t	Endosulfan S	0.000	0.000	0	0	N.D.	N.D.
26) t	Endrin Keton	0.000	0.000	0	0	N.D.	N.D.
29) l1	chlordane-1	2.481	2.794	4943757	3352904	26.942	23.270
30) l1	chlordane-3	2.902	3.397	5853874	4419465	28.268M4	25.585M4
31) l1	chlordane-4	3.464	4.078	18694573	13672169	26.588M4	22.853M4
32) l1	chlordane-5	3.594	4.251	30451282	11189544	28.711M4	23.293
Sum	chlordane-1			59943485	32634083	NoCal	NoCal D
Average	chlordane-1					27.627	23.750
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D.	N.D.
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

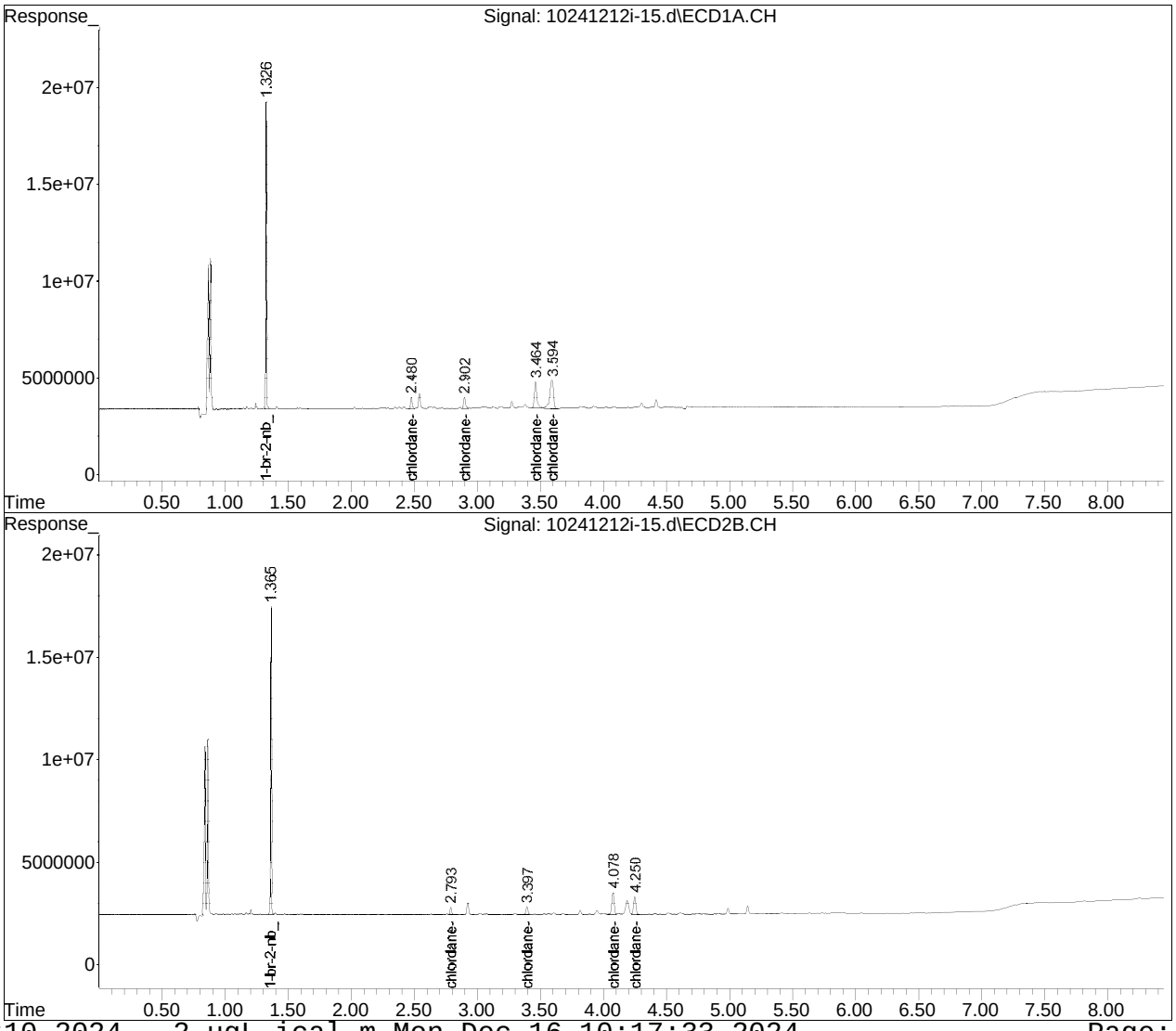
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 21:58
Operator : PEST10:ejl
Sample : il3chlor,42e,,pp 11930 L0.02
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 11:45:03 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 11:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

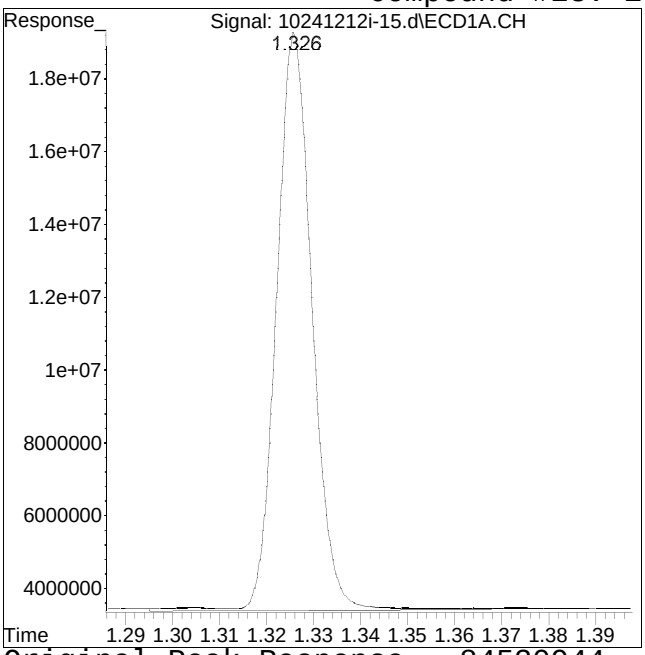
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

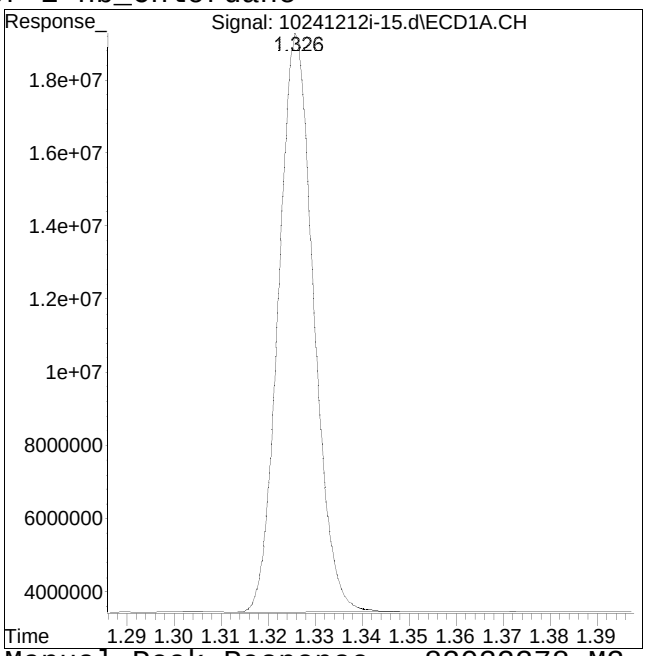


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-15.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:58 Instrument : Pest 10
Sample : il3chlor,42e,,pp 11930 L0.Quant Date : 12/13/2024 11:45 am

Compound #28: 1-br-2-nb_Chlordane



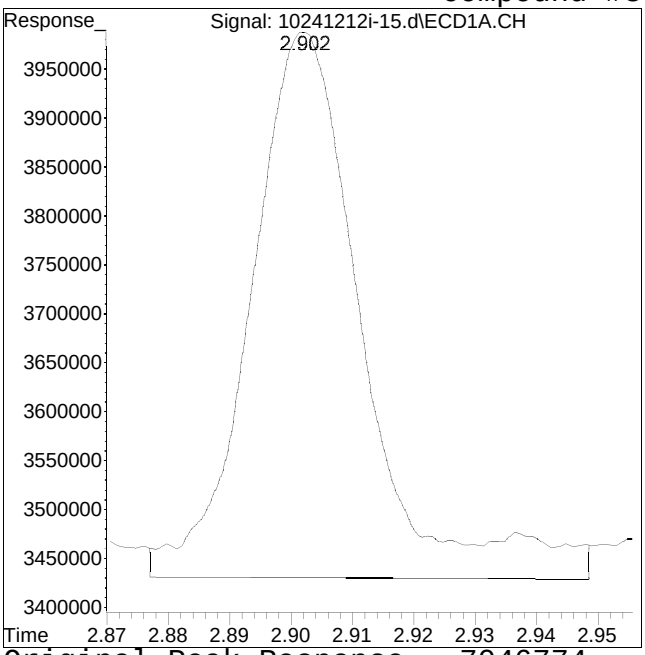


Original Peak Response = 84530944 Manual Peak Response = 82032378 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

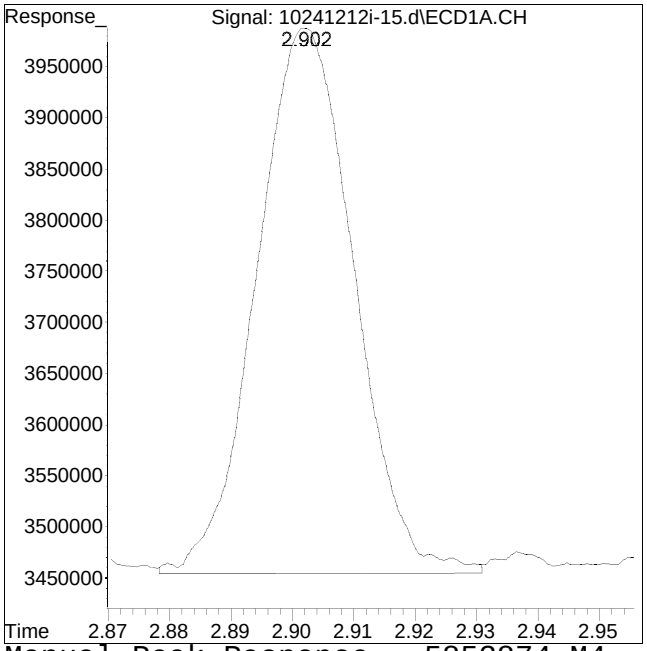
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-15.d
Date Inj'd : 12/12/2024 21:58
Sample : il3chlor,42e,,pp 11930 L0.
Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 11:45 am

Compound #30: chlordane-3



Original Peak Response = 7046774



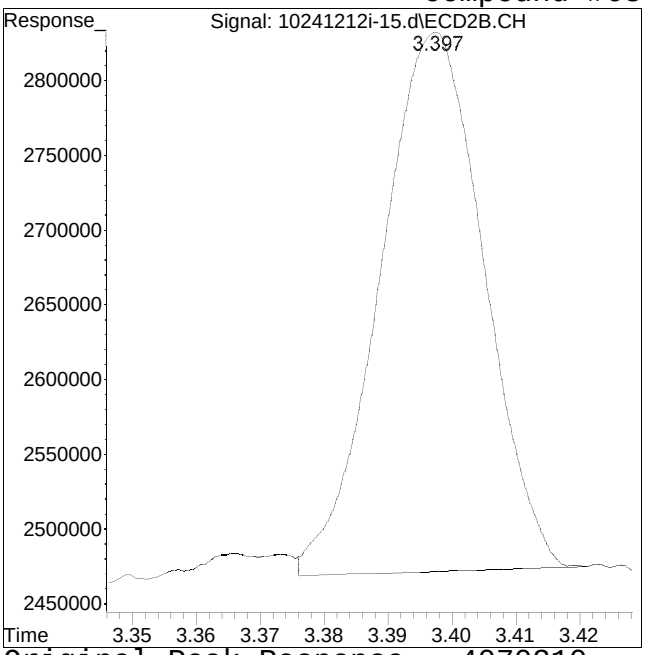
Manual Peak Response = 5853874 M4

M4 = Poor automated baseline construction.

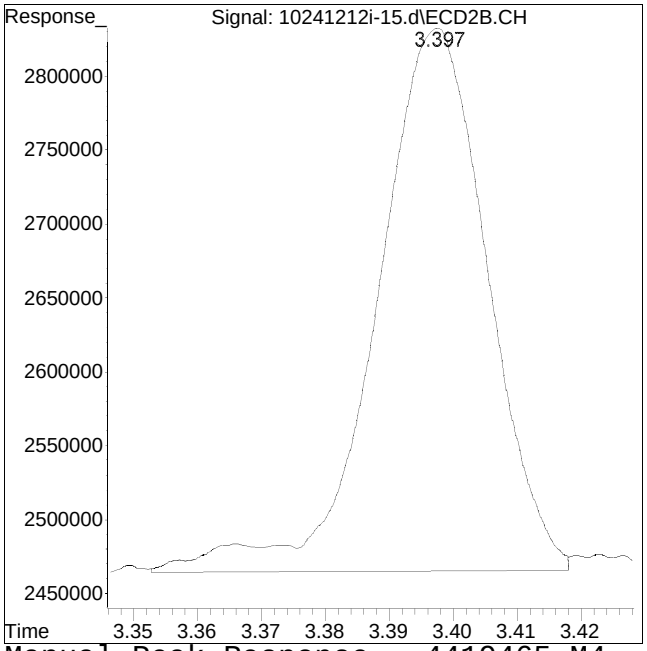
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-15.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:58 Instrument : Pest 10
Sample : il3chlor,42e,,pp 11930 L0.Quant Date : 12/13/2024 11:45 am

Compound #68: chlordane-3 #2



Original Peak Response = 4070210



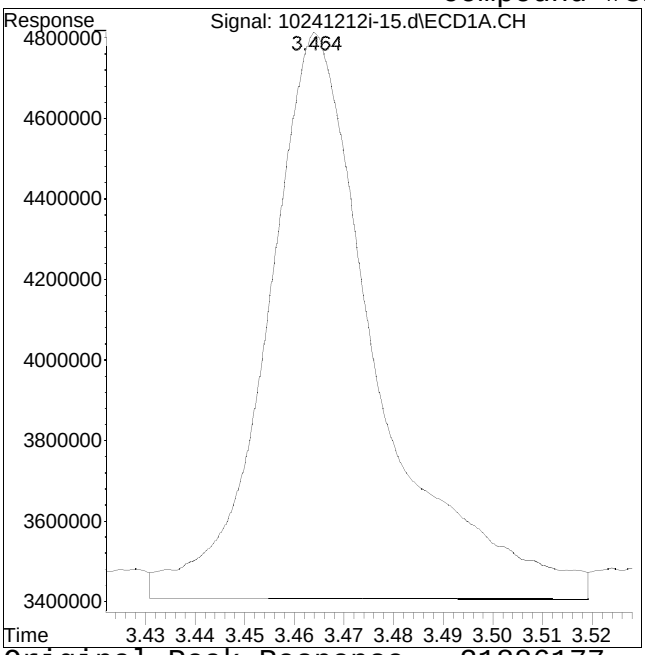
Manual Peak Response = 4419465 M4

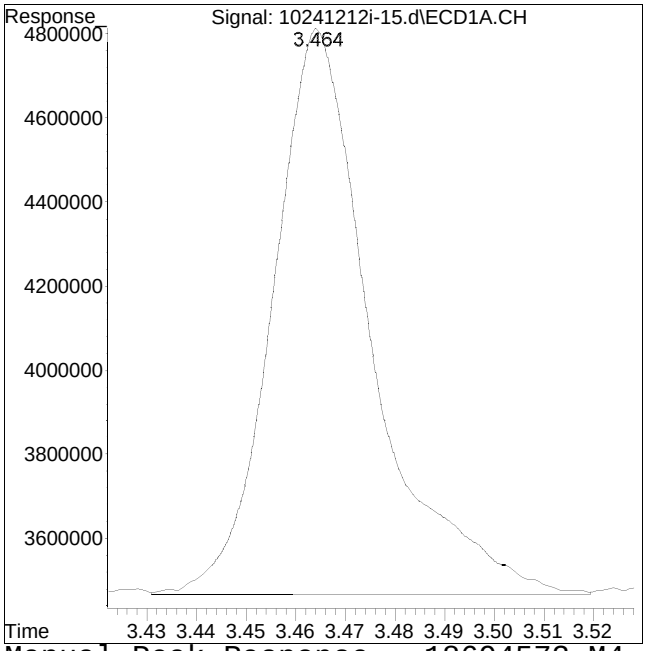
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-15.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:58 Instrument : Pest 10
Sample : il3chlor,42e,,pp 11930 L0.Quant Date : 12/13/2024 11:45 am

Compound #31: chlordane-4



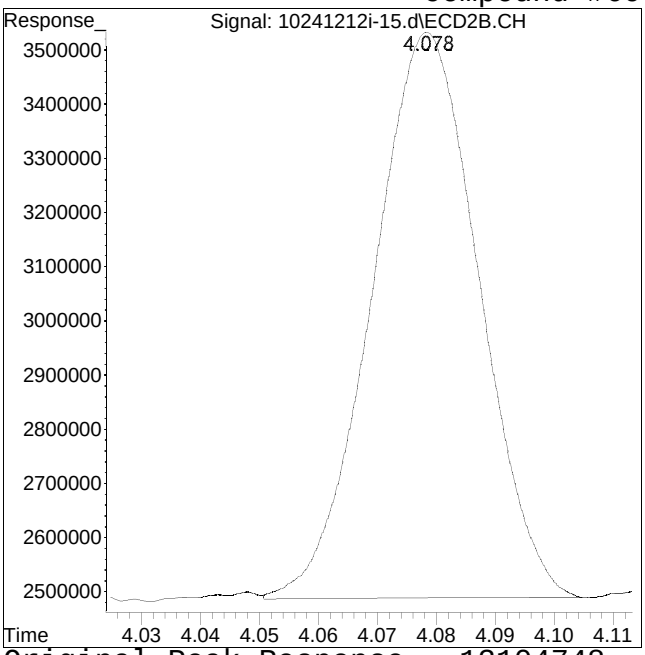


Original Peak Response = 21886177 Manual Peak Response = 18694573 M4
M4 = Poor automated baseline construction.

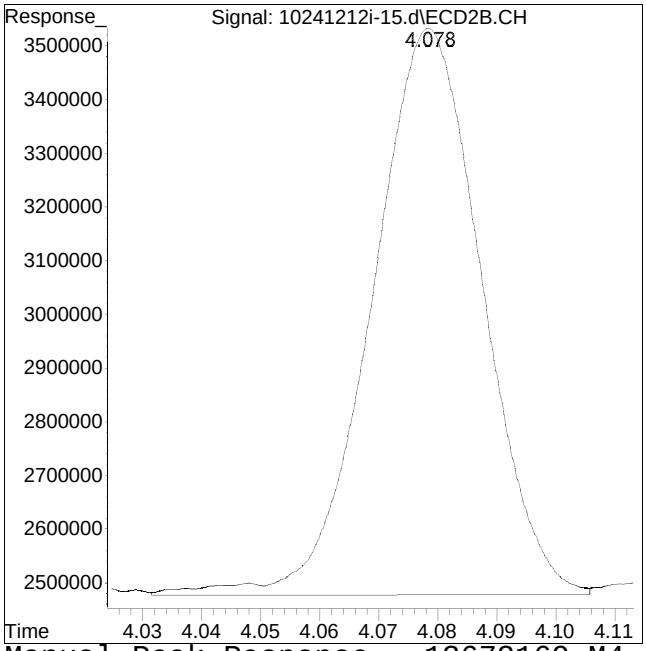
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-15.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:58 Instrument : Pest 10
Sample : il3chlor,42e,,pp 11930 L0.Quant Date : 12/13/2024 11:45 am

Compound #69: chlordane-4 #2



Original Peak Response = 13104748



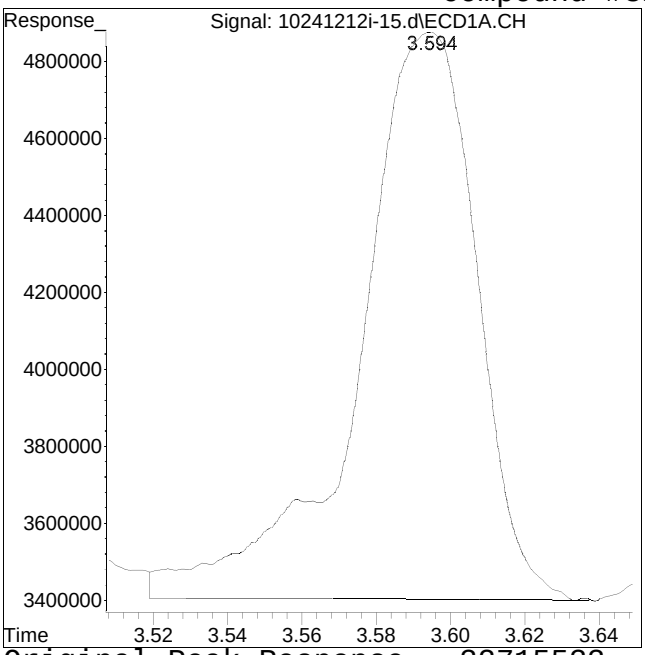
Manual Peak Response = 13672169 M4

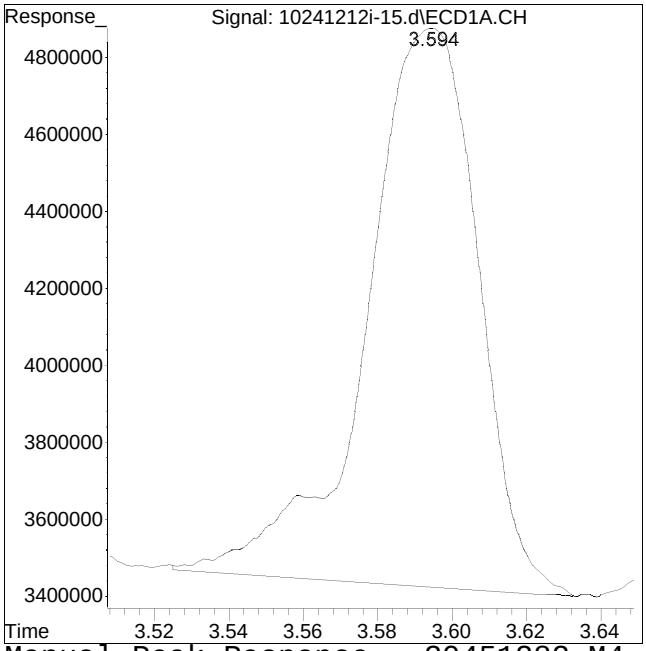
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-15.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 21:58 Instrument : Pest 10
Sample : il3chlor,42e,,pp 11930 L0.Quant Date : 12/13/2024 11:45 am

Compound #32: chlordane-5





Original Peak Response = 32715533 Manual Peak Response = 30451282 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-16.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 22:09
Operator : PEST10:ejl
Sample : il4chlor,42e,,pp 11930 L0.05
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 11:43:39 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 11:43:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.325	1.365	83000734	77927077	25.000M3	25.000M4
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D.	N.D.
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-16.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 22:09
Operator : PEST10:ejl
Sample : il4chlor,42e,,pp 11930 L0.05
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 11:43:39 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 11:43:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D.	N.D.
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.479	2.794	10749320	7724300	59.785	53.310
30) l1	chlordane-3	2.900	3.397	12877286	10064324	64.410	59.031
31) l1	chlordane-4	3.463	4.078	41622466	31384923	60.566	51.930M3
32) l1	chlordane-5	3.591	4.250	62977256	25678734	60.796	53.125
Sum	chlordane-1			128.2E6	74852281	NoCal	NoCal D
Average	chlordane-1					61.389	54.349
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D.	N.D.
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

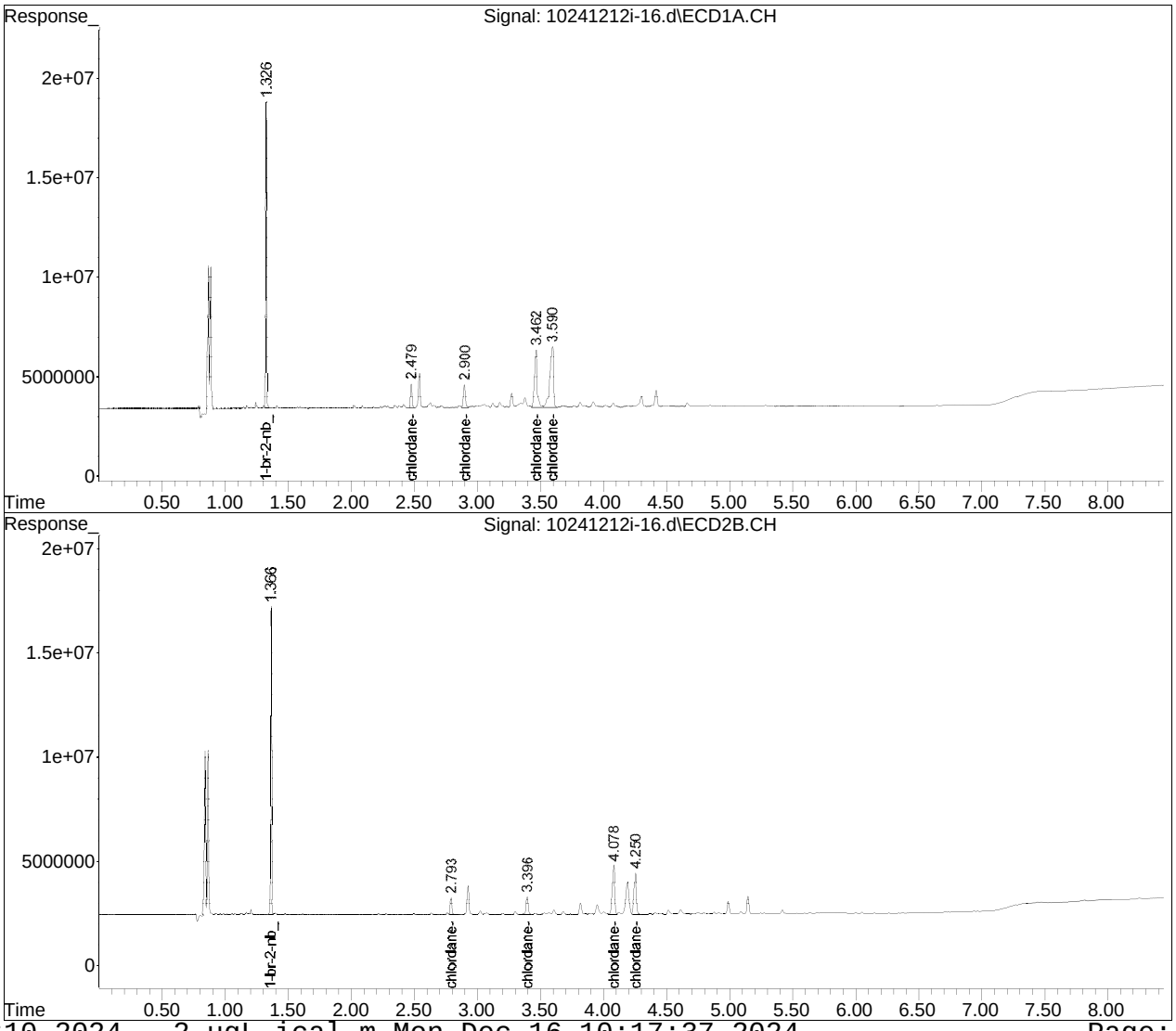
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-16.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 22:09
Operator : PEST10:ejl
Sample : il4chlor,42e,,pp 11930 L0.05
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 11:43:39 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 11:43:33 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

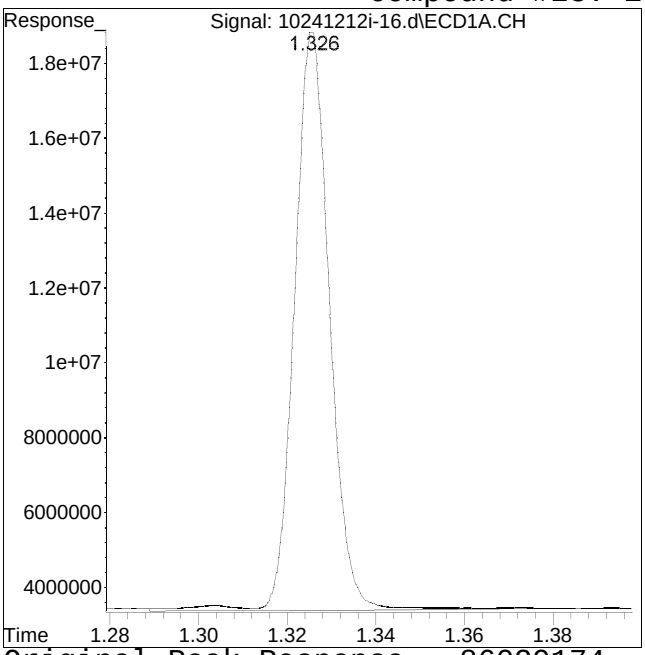
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

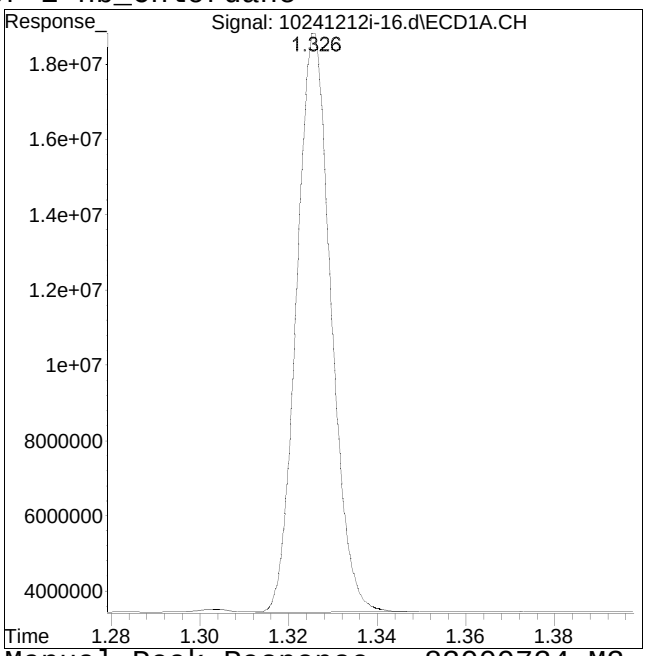


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-16.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 22:09 Instrument : Pest 10
Sample : il4chlor,42e,,pp 11930 L0.Quant Date : 12/13/2024 11:43 am

Compound #28: 1-br-2-nb_Chlordane



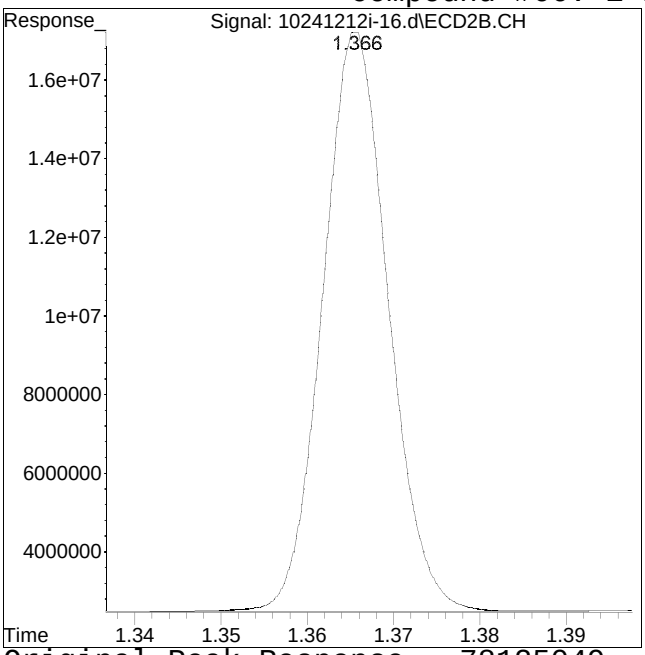


Original Peak Response = 86029174 Manual Peak Response = 83000734 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

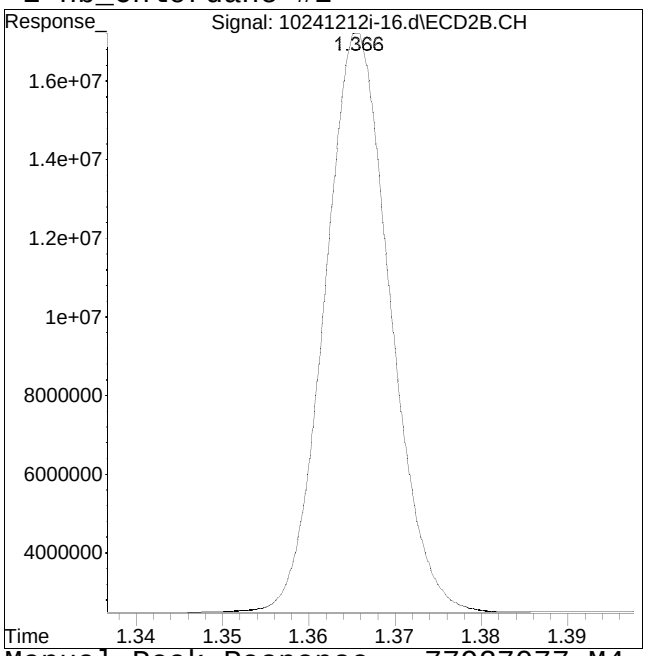
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-16.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 22:09 Instrument : Pest 10
Sample : il4chlor,42e,,pp 11930 L0.Quant Date : 12/13/2024 11:43 am

Compound #66: 1-br-2-nb_Chlordane #2



Original Peak Response = 78125049



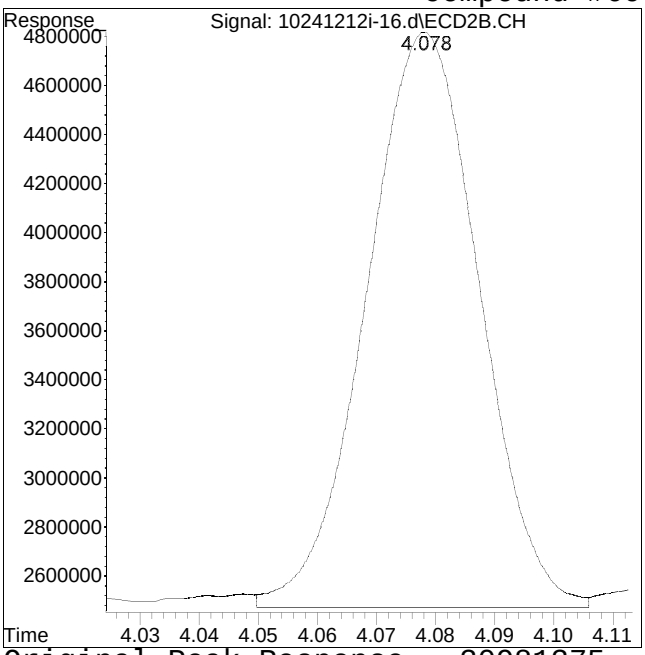
Manual Peak Response = 77927077 M4

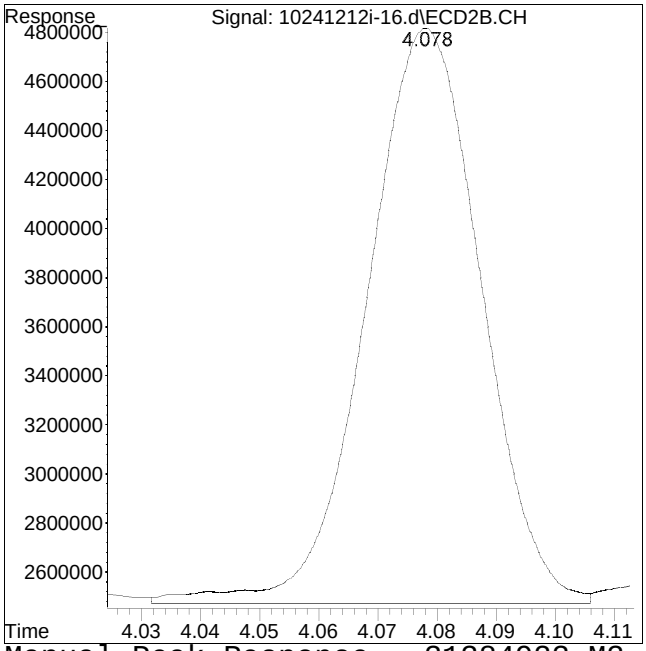
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-16.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 22:09 Instrument : Pest 10
Sample : il4chlor,42e,,pp 11930 L0.Quant Date : 12/13/2024 11:43 am

Compound #69: chlordane-4 #2





Original Peak Response = 30981375 Manual Peak Response = 31384923 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-17.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 22:20
Operator : PEST10:ejl
Sample : il5chlor,42e,,pp 11930 L0.1
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 11:41:26 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 11:41:17 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.326	1.366	81506817	77040068	25.000M3	25.000
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-17.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 22:20
Operator : PEST10:ejl
Sample : il5chlor,42e,,pp 11930 L0.1
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 11:41:26 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 11:41:17 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.482	2.794	20625866	15079606	121.946	106.677
30) l1	chlordane-3	2.904	3.398	24590982	19313901	133.695	118.925
31) l1	chlordane-4	3.466	4.079	80091187	61667977	124.492	104.047
32) l1	chlordane-5	3.595	4.251	121.3E6	50197583	125.325	106.389
Sum	chlordane-1			246.6E6	146.3E6	NoCal	NoCal D
Average	chlordane-1					126.364	109.009
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D.	N.D.
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

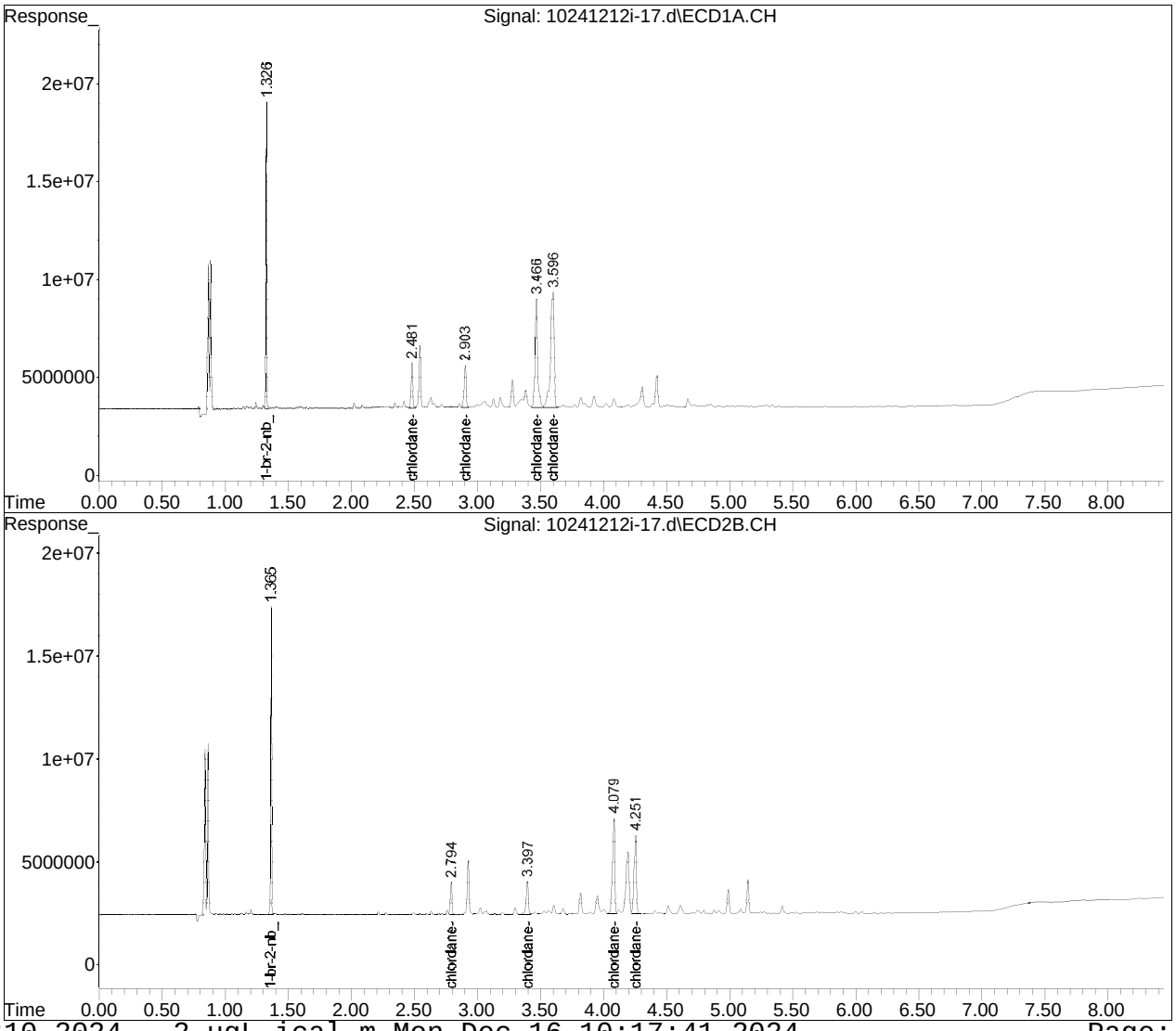
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-17.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 22:20
Operator : PEST10:ejl
Sample : il5chlor,42e,,pp 11930 L0.1
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 11:41:26 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 11:41:17 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

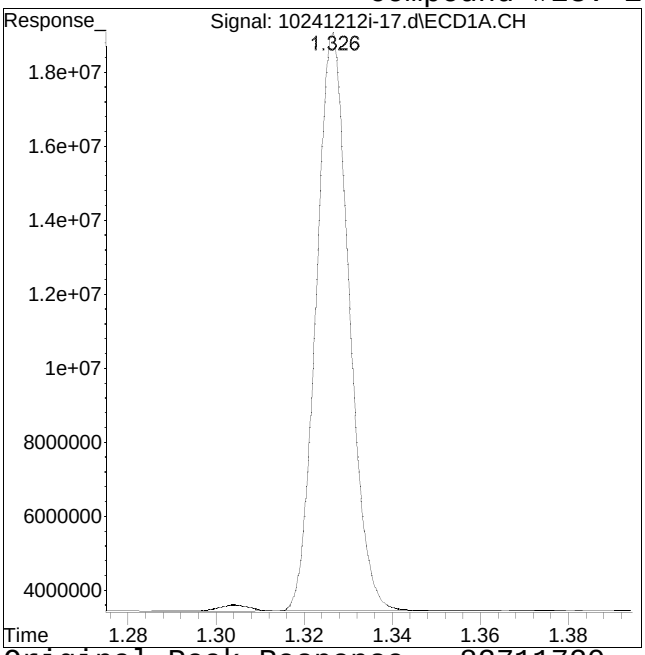
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

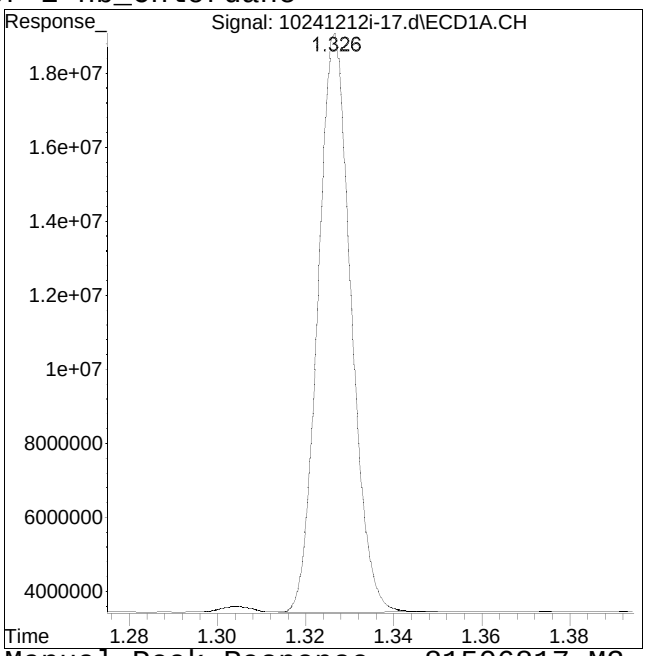


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-17.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 22:20 Instrument : Pest 10
Sample : il5chlor,42e,,pp 11930 L0.Quant Date : 12/13/2024 11:41 am

Compound #28: 1-br-2-nb_Chlordane





Original Peak Response = 82711720 Manual Peak Response = 81506817 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 22:31
Operator : PEST10:ejl
Sample : il7chlor,42e,,pp 11930 L0.5
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 11:40:26 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 11:40:19 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.326	1.366	83785635	80963849	25.000M3	25.000M4
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 22:31
Operator : PEST10:ejl
Sample : il7chlor,42e,,pp 11930 L0.5
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 11:40:26 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 11:40:19 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.480	2.794	90879667	73168588	530.722	490.084
30) l1	chlordane-3	2.900	3.397	102.3E6	89286776	556.210M3	531.332
31) l1	chlordane-4	3.463	4.079	358.9E6	314.4E6	558.678	506.460
32) l1	chlordane-5	3.592	4.251	547.3E6	249.9E6	568.902	505.343
Sum	chlordane-1			1099.5E6	726.8E6	NoCal	NoCal D
Average	chlordane-1					553.628	508.305
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

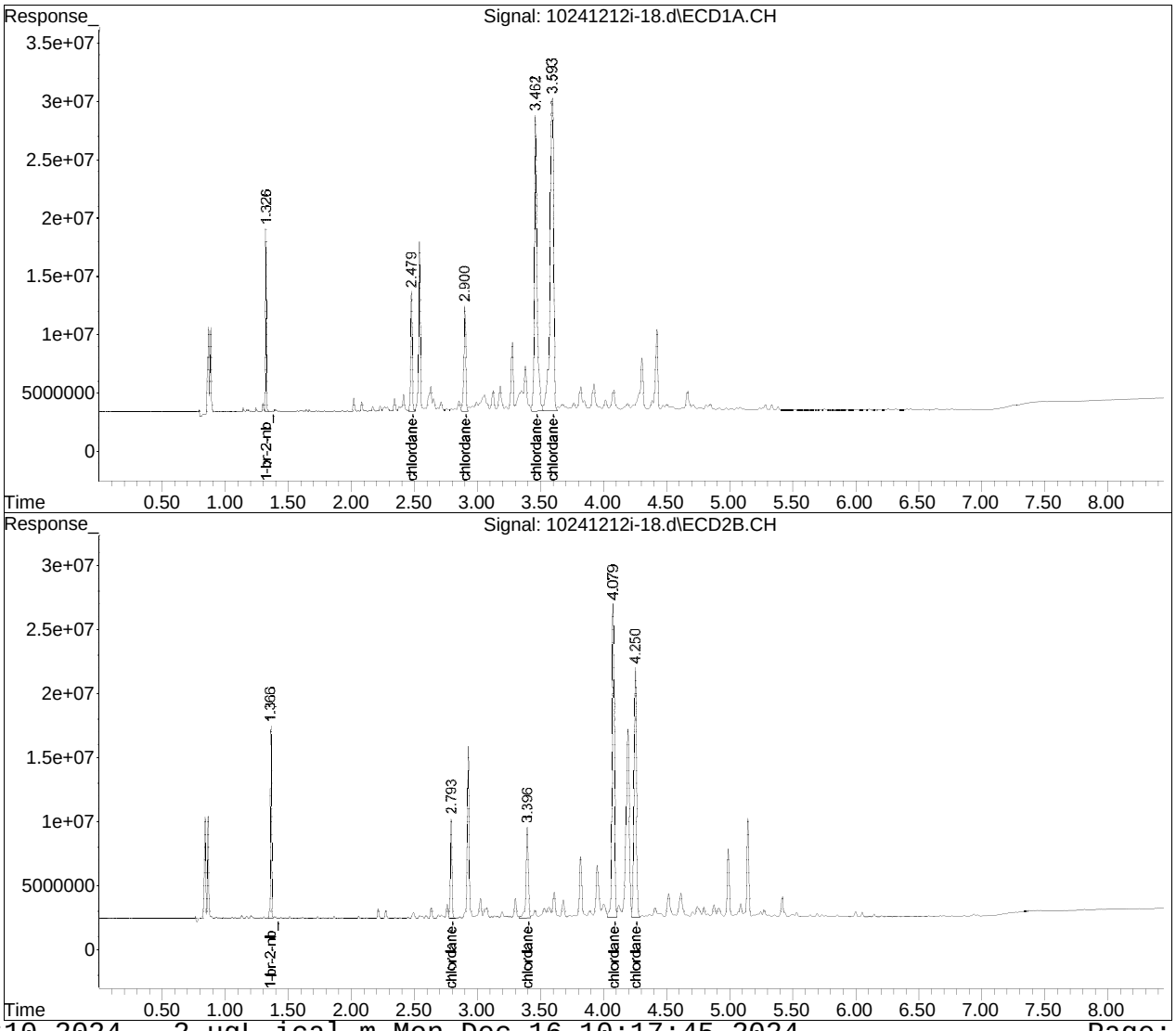
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 22:31
Operator : PEST10:ejl
Sample : il7chlor,42e,,pp 11930 L0.5
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 11:40:26 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 11:40:19 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

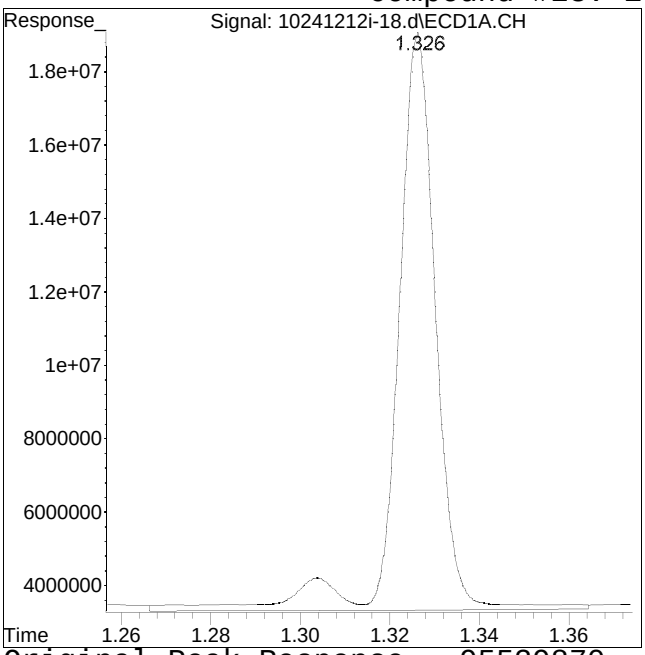
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

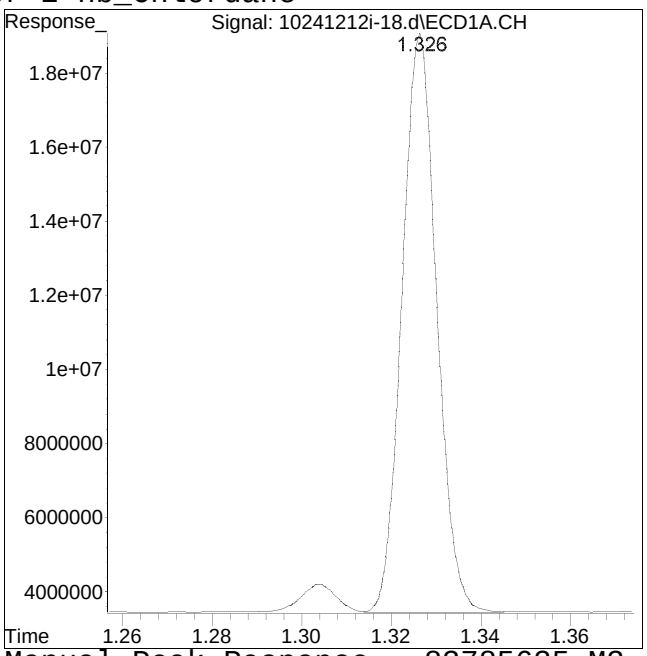


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-18.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 22:31 Instrument : Pest 10
Sample : il7chlor,42e,,pp 11930 L0.Quant Date : 12/13/2024 11:40 am

Compound #28: 1-br-2-nb_Chlordane



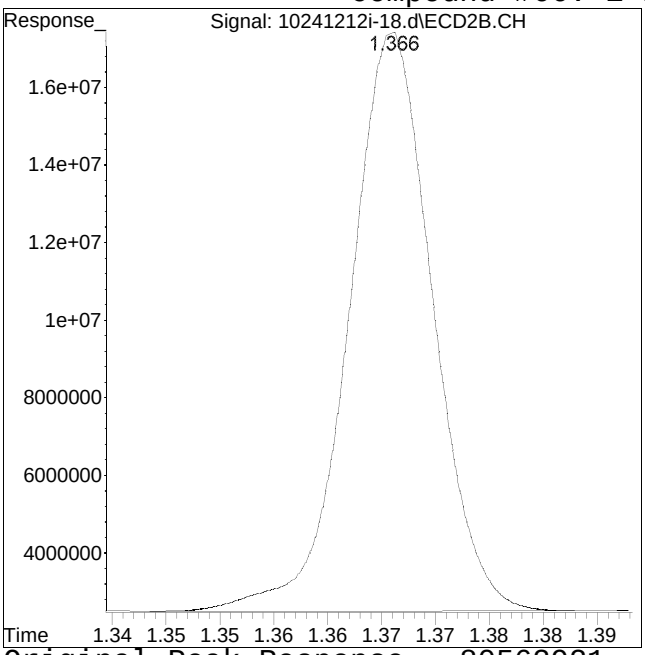


Original Peak Response = 95539870 Manual Peak Response = 83785635 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

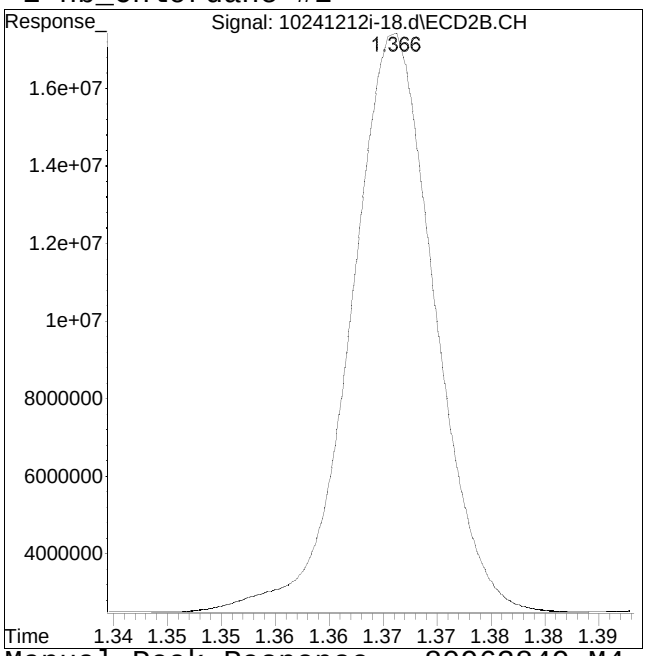
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-18.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 22:31 Instrument : Pest 10
Sample : il7chlor,42e,,pp 11930 L0.Quant Date : 12/13/2024 11:40 am

Compound #66: 1-br-2-nb_Chlordane #2



Original Peak Response = 80562921



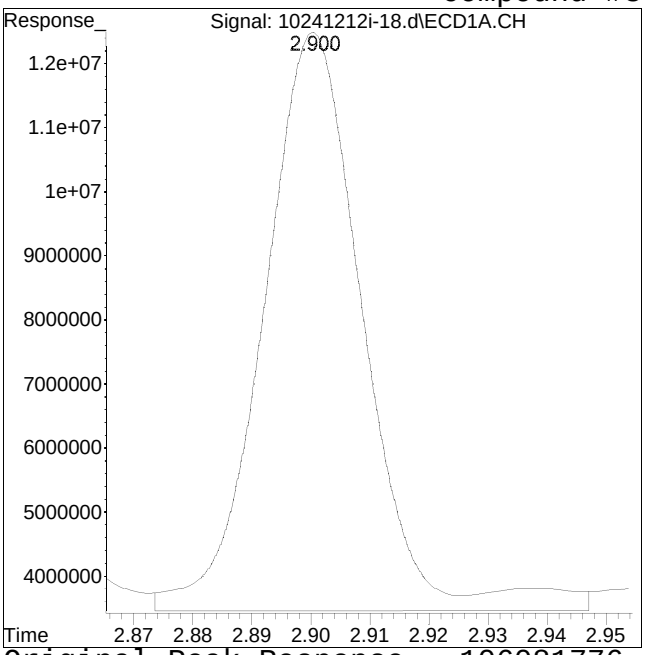
Manual Peak Response = 80963849 M4

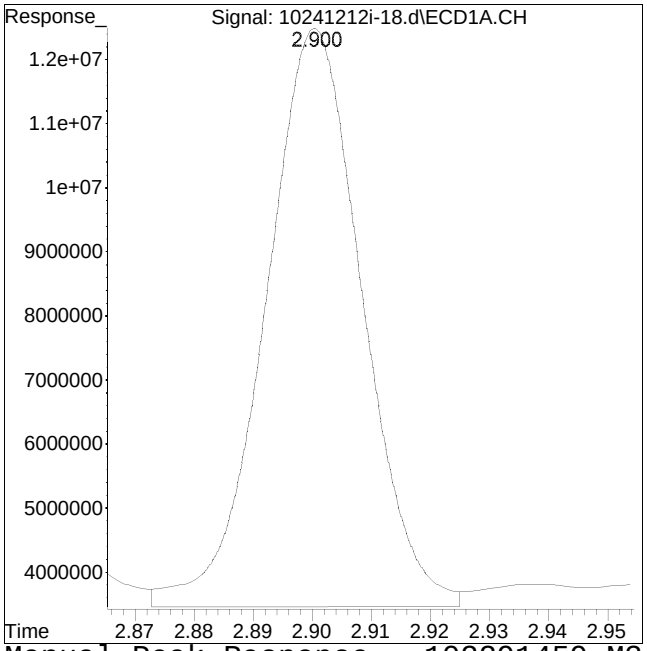
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-18.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 22:31 Instrument : Pest 10
Sample : il7chlor,42e,,pp 11930 L0.Quant Date : 12/13/2024 11:40 am

Compound #30: chlordane-3





Original Peak Response = 106081776 Manual Peak Response = 102291459 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 22:42
Operator : PEST10:ejl
Sample : il8chlor,42e,,pp 11930 L1.0
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 11:37:02 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 11:36:55 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.327	1.366	85468655	82474741	25.000M4	25.000M3
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 22:42
Operator : PEST10:ejl
Sample : il8chlor,42e,,pp 11930 L1.0
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 11:37:02 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 11:36:55 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.481	2.794	182.6E6	154.1E6	NoCal	NoCal
30) l1	chlordane-3	2.902	3.397	199.5E6	180.2E6	NoCal	NoCal
31) l1	chlordane-4	3.465	4.079	710.6E6	656.9E6	NoCal	NoCal
32) l1	chlordane-5	3.594	4.251	1075.3E6	521.8E6	NoCal	NoCal
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

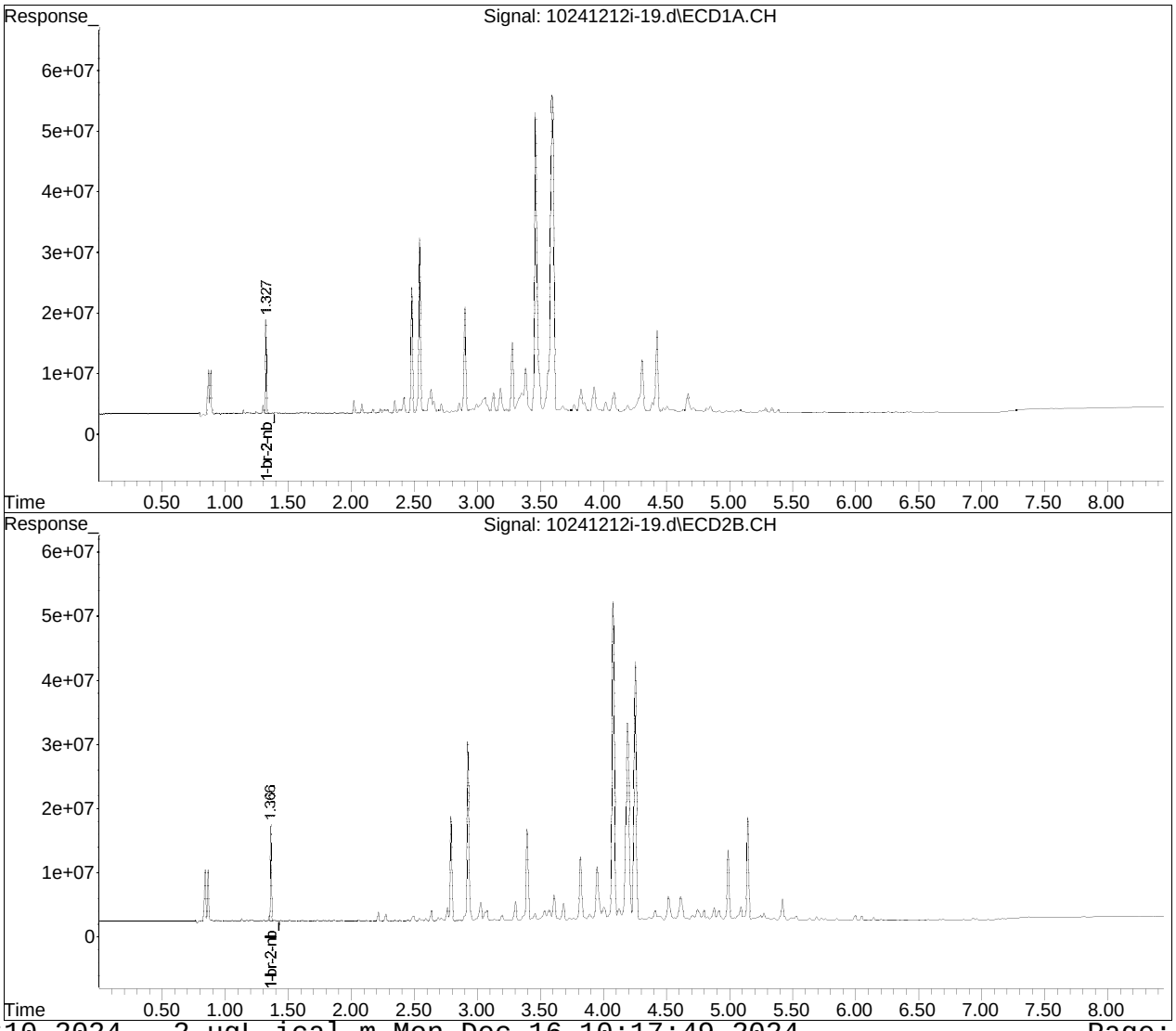
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 22:42
Operator : PEST10:ejl
Sample : il8chlor,42e,,pp 11930 L1.0
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 11:37:02 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 11:36:55 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

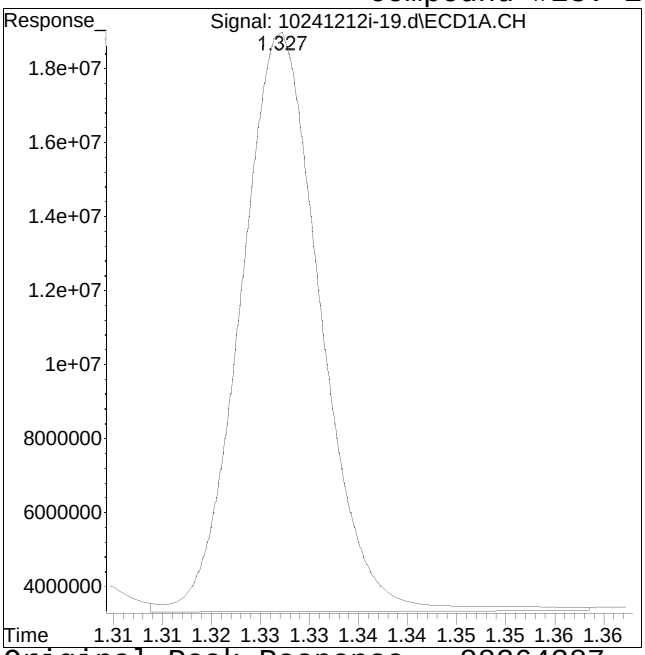
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



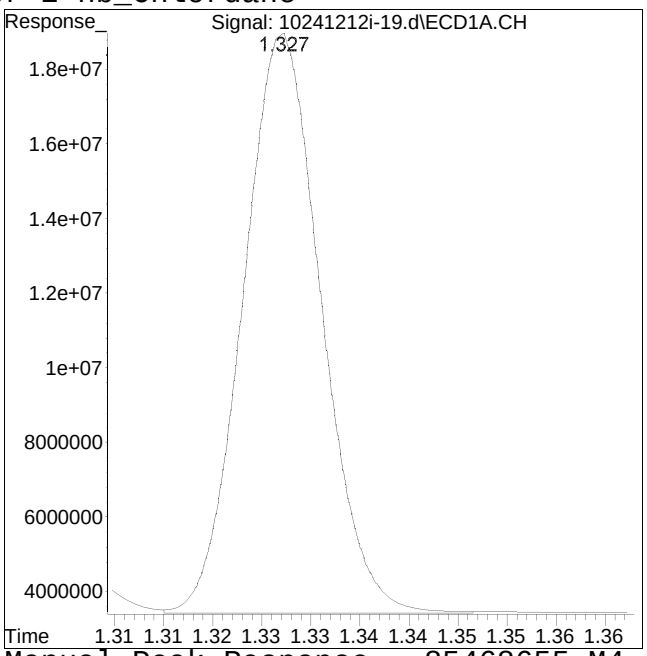
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-19.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 22:42 Instrument : Pest 10
Sample : il8chlor,42e,,pp 11930 L1.Quant Date : 12/13/2024 11:37 am

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 88364387



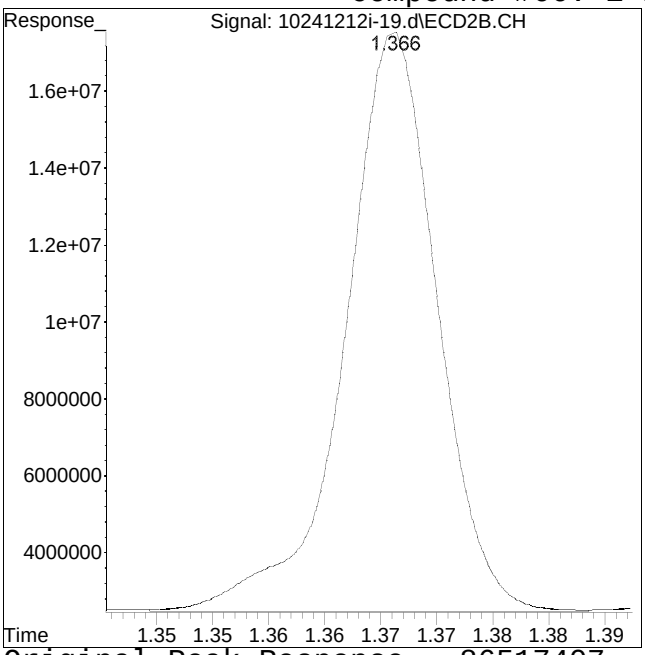
Manual Peak Response = 85468655 M4

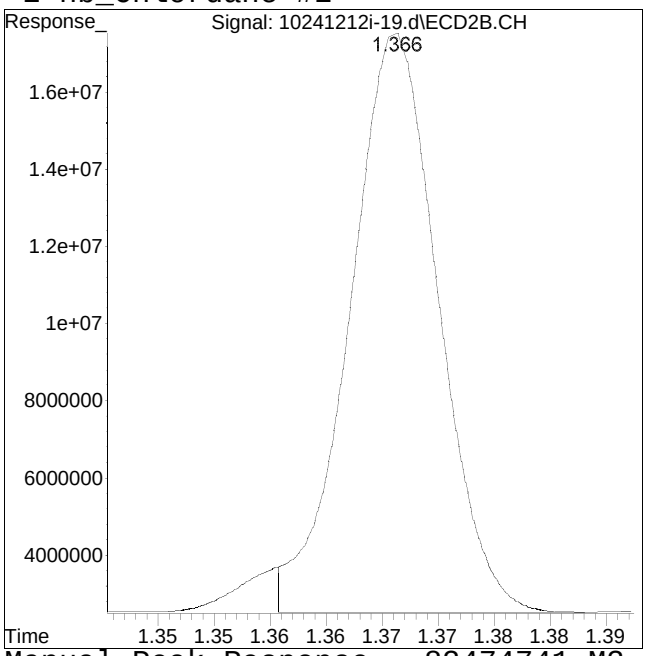
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-19.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 22:42 Instrument : Pest 10
Sample : il8chlor,42e,,pp 11930 L1.Quant Date : 12/13/2024 11:37 am

Compound #66: 1-br-2-nb_Chlordane #2





Original Peak Response = 86517407 Manual Peak Response = 82474741 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 22:53
Operator : PEST10:ejl
Sample : il9chlor,42e,,pp 11930 L2.0
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 11:37:59 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 11:37:51 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.326	1.366	84903290	82926350	25.000M4	25.000M3
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 22:53
Operator : PEST10:ejl
Sample : il9chlor,42e,,pp 11930 L2.0
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 11:37:59 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 11:37:51 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.479	2.794	360.6E6	310.7E6	1988.240	2005.008
30) l1	chlordane-3	2.900	3.396	385.0E6	349.1E6	1942.188M3	1926.081
31) l1	chlordane-4	3.463	4.079	1343.7E6	1296.3E6	1903.571	1962.705
32) l1	chlordane-5	3.592	4.251	2009.8E6	1033.1E6	1881.413M3	1969.254
Sum	chlordane-1			4099.1E6	2989.2E6	NoCal	NoCal D
Average	chlordane-1					1928.853	1965.762
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

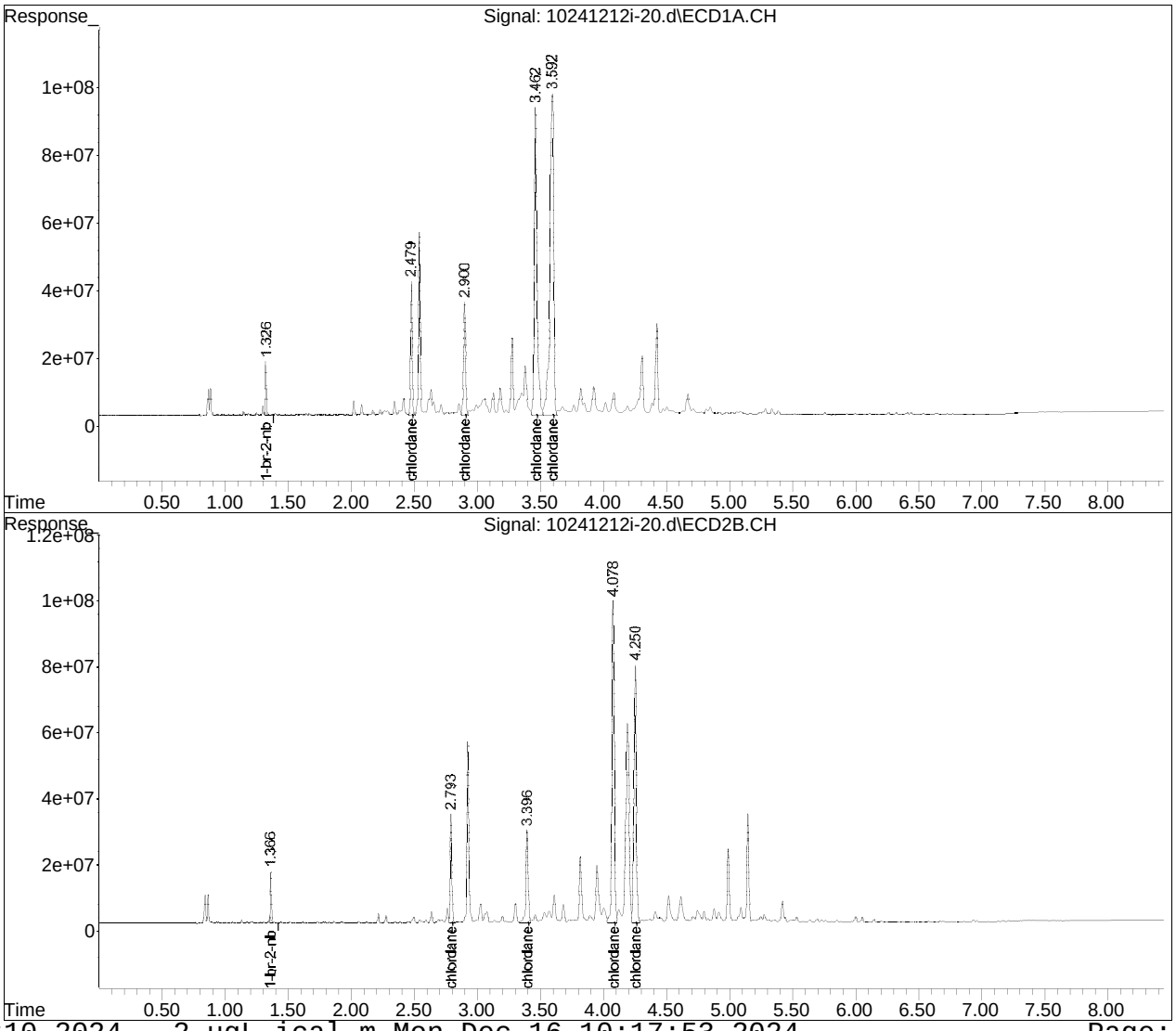
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 22:53
Operator : PEST10:ejl
Sample : il9chlor,42e,,pp 11930 L2.0
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 11:37:59 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 11:37:51 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

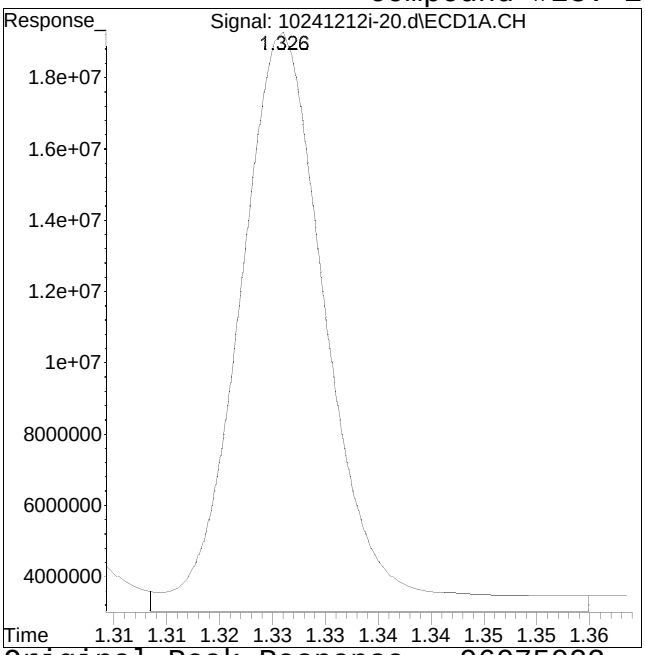
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

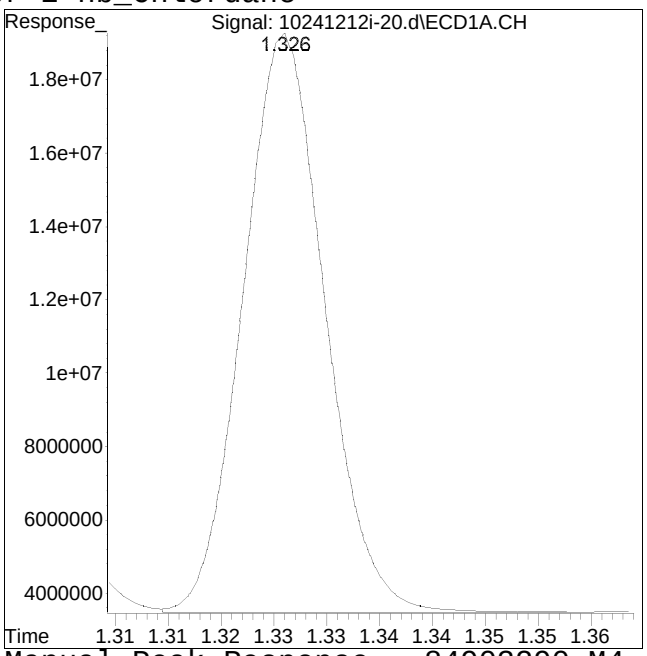


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-20.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 22:53 Instrument : Pest 10
Sample : il9chlor,42e,,pp 11930 L2.Quant Date : 12/13/2024 11:37 am

Compound #28: 1-br-2-nb_Chlordane



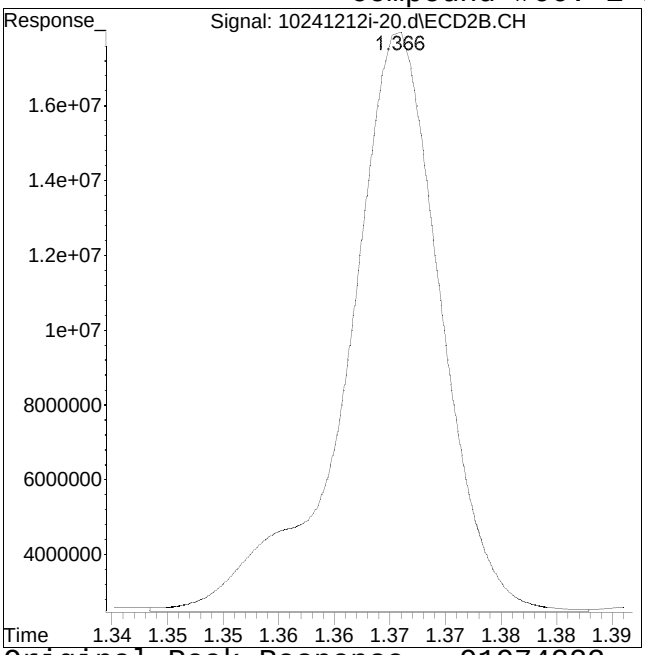


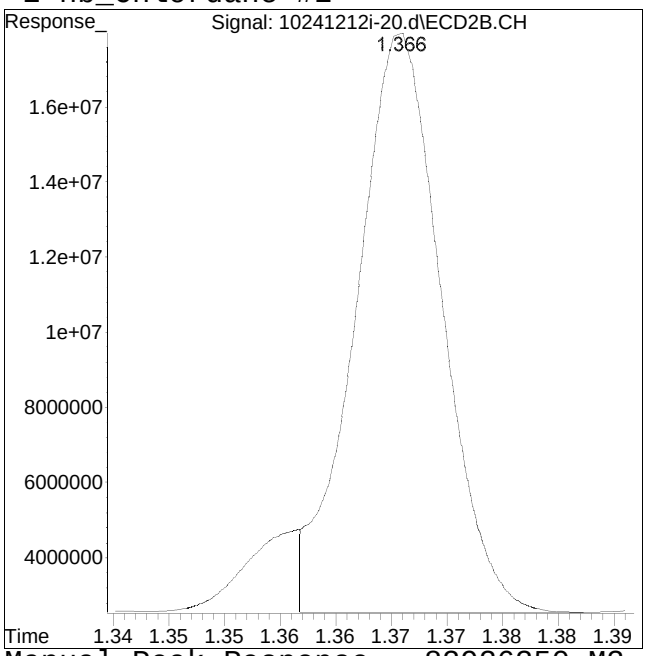
Original Peak Response = 96075022 Manual Peak Response = 84903290 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-20.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 22:53 Instrument : Pest 10
Sample : il9chlor,42e,,pp 11930 L2.Quant Date : 12/13/2024 11:37 am

Compound #66: 1-br-2-nb_Chlordane #2



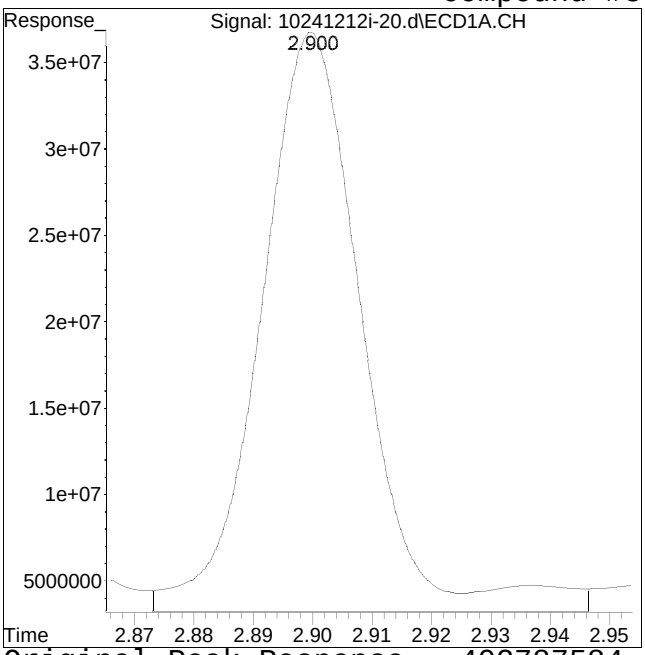


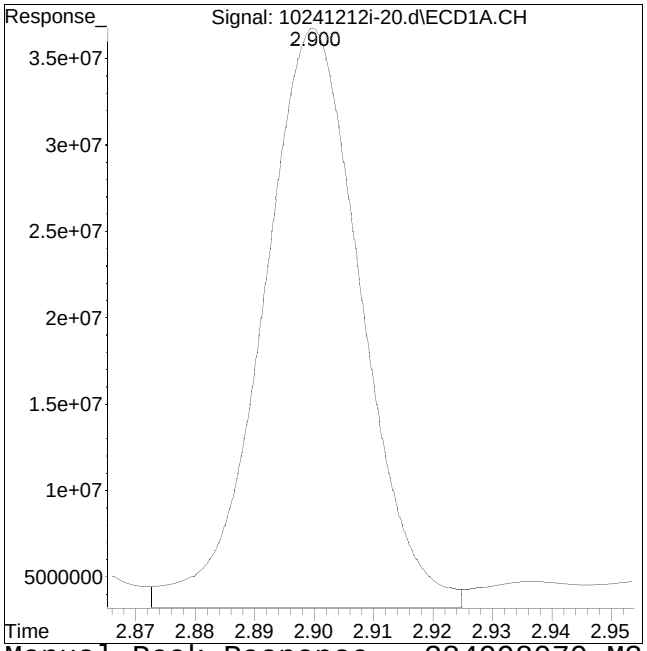
Original Peak Response = 91974222 Manual Peak Response = 82926350 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-20.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 22:53 Instrument : Pest 10
Sample : il9chlor,42e,,pp 11930 L2.Quant Date : 12/13/2024 11:37 am

Compound #30: chlordane-3



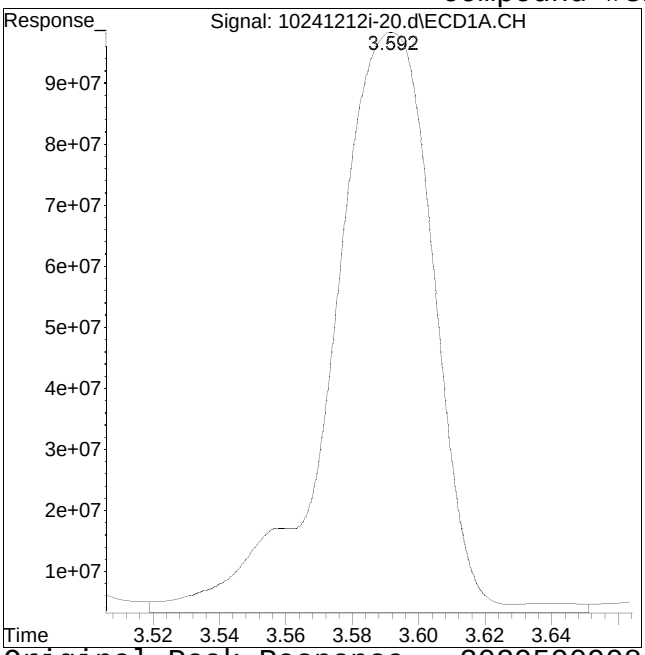


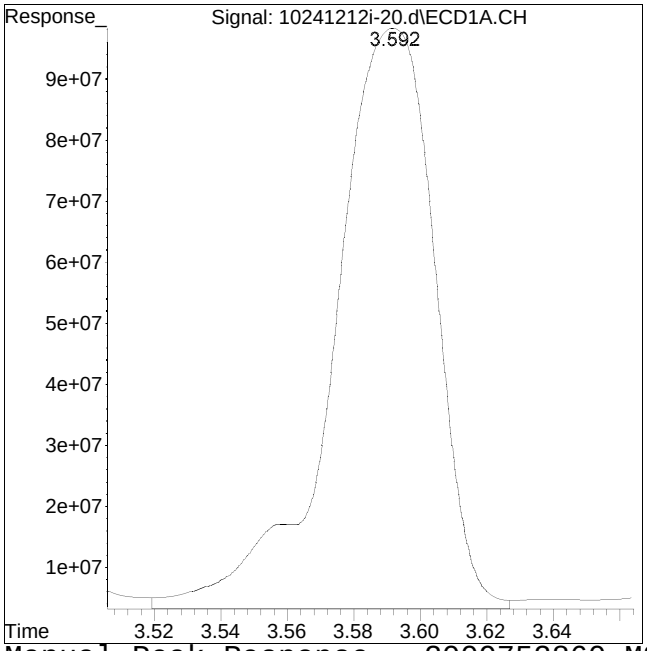
Original Peak Response = 402787584 Manual Peak Response = 384998070 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-20.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 22:53 Instrument : Pest 10
Sample : il9chlor,42e,,pp 11930 L2.Quant Date : 12/13/2024 11:37 am

Compound #32: chlordane-5





Original Peak Response = 2029590908 Manual Peak Response = 2009752860 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-22.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Dec 2024 23:15
Operator : PEST10:ejl
Sample   : cicvchlor,42e,,pp 11924 L1.0ICV
Misc   : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 11:49:56 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 11:49:38 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	106	0.00
29	l1	chlordane-1		*1000.000	829.084	17.1	87	0.00
30	l1	chlordane-3		*1000.000	823.056	17.7	86	0.00
31	l1	chlordane-4		*1000.000	830.164	17.0	85	0.00
32	l1	chlordane-5		*1000.000	914.949	8.5	93	0.00

Signal #2

28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	102	0.00
29	l1	chlordane-1		*1000.000	872.334	12.8	85	0.00
30	l1	chlordane-3		*1000.000	867.232	13.3	84	0.00
31	l1	chlordane-4		*1000.000	840.439	16.0	81	0.00
32	l1	chlordane-5		*1000.000	820.369	18.0	80	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.33#
2	s	2,4,5,6-Tetrachloro-m-xylen		1.885	0.000	100.0#	0#	-1.67#
3	t	Hexachlorobenzene		1.913	0.000	100.0#	0#	-1.89#
4	t	alpha-BHC		1.862	0.000	100.0#	0#	-1.99#
5	t	gamma-BHC (lindane)		1.826	0.000	100.0#	0#	-2.19#
6	t	beta-BHC		* 50.000	0.000	100.0#	0	-2.25#
7	t	delta-BHC		1.752	0.000	100.0#	0#	-2.38#
8	t	Heptachlor		1.573	0.000	100.0#	0#	-2.54#
9	t	Aldrin		1.839	0.000	100.0#	0#	-2.79#
10	t	Alachlor		0.232	0.000	100.0#	0#	-2.91#
11	t	Chlorpyrifos		0.768	0.000	100.0#	0#	-3.00#
12	t	Heptachlor Epoxide		1.680	0.000	100.0#	0#	-3.34#
13	t	gamma-Chlordane (trans)		1.573	0.000	100.0#	0#	-3.46#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-22.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Dec 2024 23:15
Operator : PEST10:ejl
Sample   : cicvchlor,42e,,pp 11924 L1.0ICV
Misc   : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 11:49:56 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 11:49:38 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
14	t	alpha-Chlordane (cis)	*	50.000	0.000	100.0#	0	-3.60#
15	t	4,4'-DDE		1.911	0.000	100.0#	0#	-3.70#
16	t	Endosulfan I		1.681	0.000	100.0#	0#	-3.74#
17	t	Dieldrin		1.705	0.000	100.0#	0#	-4.00#
18	t	Endrin		1.592	0.000	100.0#	0#	-4.25#
19	t	4,4'-DDD		1.191	0.000	100.0#	0#	-4.36#
20	t	Endosulfan II		1.465	0.000	100.0#	0#	-4.49#
21	t	4,4'-DDT		1.130	0.000	100.0#	0#	-4.65#
22	t	Endrin Aldehyde		1.264	0.000	100.0#	0#	-4.91#
23	t	Methoxychlor	*	50.000	0.000	100.0#	0	-5.14#
24	t	Mirex	*	50.000	0.000	100.0#	0	-5.20#
25	t	Endosulfan Sulfate		1.465	0.000	100.0#	0#	-5.30#
26	t	Endrin Ketone		1.441	0.000	100.0#	0#	-5.52#
27	s	Decachlorobiphenyl	*	50.000	0.000	100.0#	0	-6.32#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.33#
34	l2	toxaphene-1	*	0.079	0.000	100.0#	0#	-4.48#
35	l2	toxaphene-2	*	0.057	0.000	100.0#	0#	-4.60#
36	l2	toxaphene-4	*	0.044	0.000	100.0#	0#	-5.02#
37	l2	toxaphene-5	*	0.052	0.000	100.0#	0#	-5.20#

Signal #2

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.37#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.353	0.000	100.0#	0#	-1.84#
3	t	Hexachlorobenzene		1.474	0.000	100.0#	0#	-2.15#
4	t	alpha-BHC		50.000	0.000	100.0#	0	-2.25#
5	t	gamma-BHC (lindane)		1.651	0.000	100.0#	0#	-2.53#
6	t	beta-BHC		0.753	0.000	100.0#	0#	-2.60#
7	t	delta-BHC		1.657	0.000	100.0#	0#	-2.86#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-22.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Dec 2024 23:15
Operator : PEST10:ejl
Sample   : cicvchlor,42e,,pp 11924 L1.0ICV
Misc   : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 11:49:56 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 11:49:38 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
8	t	Heptachlor		1.607	0.000	100.0#	0#	-2.93#
9	t	Aldrin		50.000	0.000	100.0#	0	-3.25#
10	t	Alachlor		0.223	0.000	100.0#	0#	-3.13#
11	t	Chlorpyrifos		0.831	0.000	100.0#	0#	-3.48#
12	t	Heptachlor Epoxide		1.611	0.000	100.0#	0#	-3.86#
13	t	gamma-Chlordane (trans)		50.000	0.000	100.0#	0	-4.08#
14	t	alpha-Chlordane (cis)		1.690	0.000	100.0#	0#	-4.25#
15	t	4,4'-DDE		50.000	0.000	100.0#	0	-4.45#
16	t	Endosulfan I		1.548	0.000	100.0#	0#	-4.31#
17	t	Dieldrin		50.000	0.000	100.0#	0	-4.61#
18	t	Endrin		50.000	0.000	100.0#	0	-4.91#
19	t	4,4'-DDD		50.000	0.000	100.0#	0	-5.03#
20	t	Endosulfan II		1.422	0.000	100.0#	0#	-5.11#
21	t	4,4'-DDT		1.339	0.000	100.0#	0#	-5.31#
22	t	Endrin Aldehyde		1.202	0.000	100.0#	0#	-5.40#
23	t	Methoxychlor		0.741	0.000	100.0#	0#	-5.88#
24	t	Mirex		1.292	0.000	100.0#	0#	-6.01#
25	t	Endosulfan Sulfate		1.360	0.000	100.0#	0#	-5.63#
26	t	Endrin Ketone		1.515	0.000	100.0#	0#	-6.05#
27	s	Decachlorobiphenyl	*	1.541	0.000	100.0#	0#	-6.91#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.37#
34	l2	toxaphene-1	*	0.028	0.000	100.0#	0#	-5.06#
35	l2	toxaphene-2	*	0.044	0.000	100.0#	0#	-5.09#
36	l2	toxaphene-4	*	0.052	0.000	100.0#	0#	-5.41#
37	l2	toxaphene-5	*	0.052	0.000	100.0#	0#	-5.82#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-22.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 23:15
Operator : PEST10:ejl
Sample : cicvchlor,42e,,pp 11924 L1.0ICV
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 11:49:56 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 11:49:38 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.327	1.367	88790837	80895894	25.000M3	25.000M4
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-22.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 23:15
Operator : PEST10:ejl
Sample : cicvchlor,42e,,pp 11924 L1.0ICV
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 11:49:56 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 11:49:38 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.480	2.794	158.1E6	131.6E6	829.084	872.334
30) l1	chlordane-3	2.901	3.397	170.7E6	151.1E6	823.056	867.232
31) l1	chlordane-4	3.464	4.079	602.7E6	534.0E6	830.164	840.439
32) l1	chlordane-5	3.589	4.251	999.1E6	415.3E6	914.949	820.369
Sum	chlordane-1			1930.5E6	1232.0E6	NoCal	NoCal D
Average	chlordane-1					849.313	850.094
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

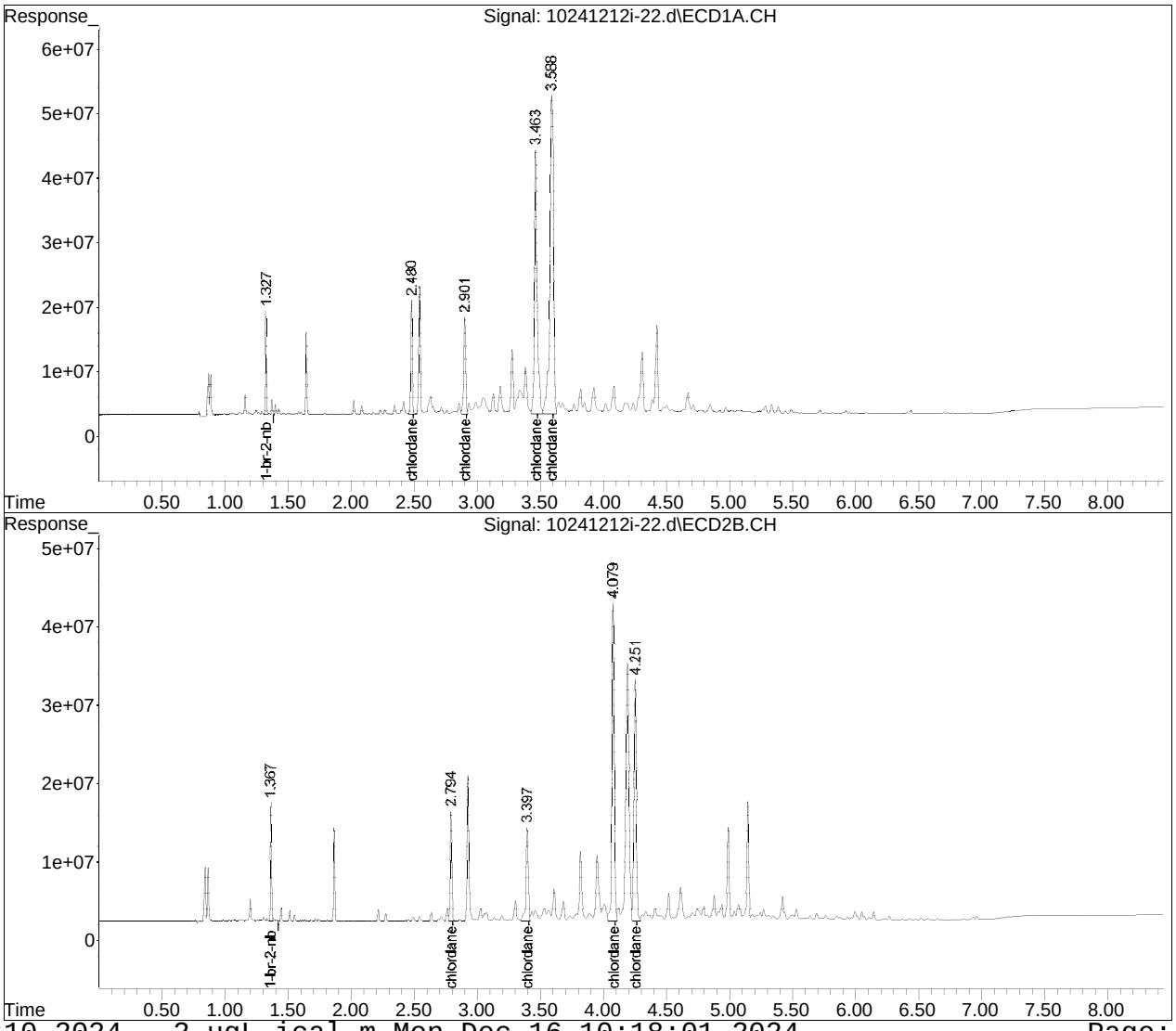
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-22.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 23:15
Operator : PEST10:ejl
Sample : cicvchlor,42e,,pp 11924 L1.0ICV
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 11:49:56 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 11:49:38 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

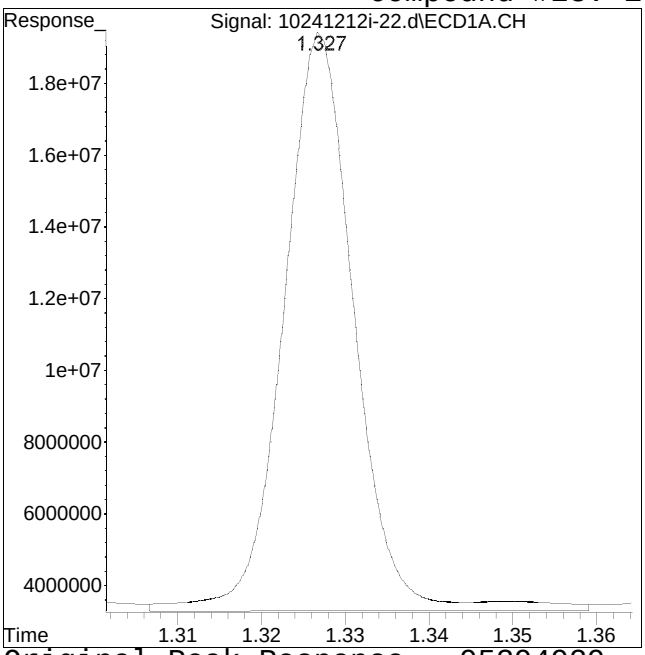
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

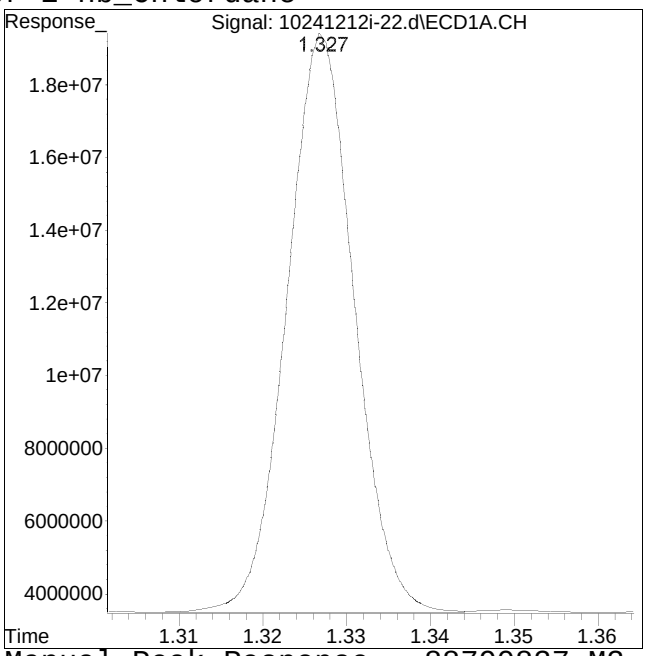


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-22.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 23:15 Instrument : Pest 10
Sample : cicvchlor,42e,,pp 11924 L1Quant Date : 12/13/2024 11:49 am

Compound #28: 1-br-2-nb_Chlordane



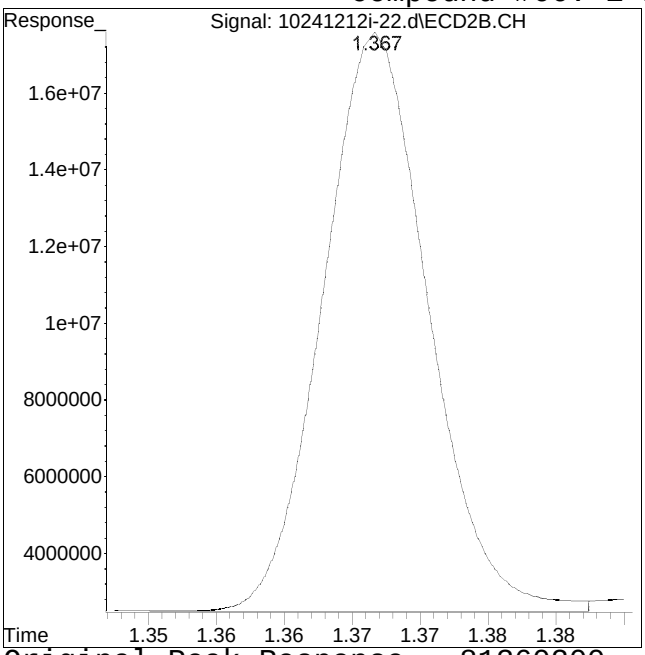


Original Peak Response = 95394929 Manual Peak Response = 88790837 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

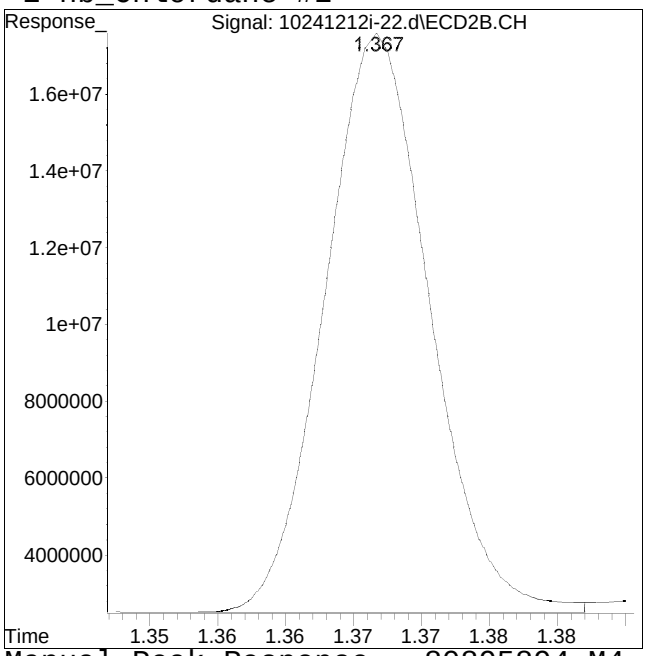
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-22.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 23:15 Instrument : Pest 10
Sample : cicvchlor,42e,,pp 11924 L1Quant Date : 12/13/2024 11:49 am

Compound #66: 1-br-2-nb_Chlordane #2



Original Peak Response = 81360200



Manual Peak Response = 80895894 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-23.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 23:26
Operator : PEST10:ejl
Sample : il3tox,42e,,pp 11918 L0.02
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 12:19:43 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 12:19:38 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.326	1.365	81360941	76575571	25.000M3	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4) t	alpha-BHC	0.000	0.000	0	0	N.D.	N.D.
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D.	N.D.
6) t	beta-BHC	0.000	0.000	0	0	N.D.	N.D.
7) t	delta-BHC	0.000	0.000	0	0	N.D.	N.D.
8) t	Heptachlor	0.000	0.000	0	0	N.D.	N.D.
9) t	Aldrin	0.000	0.000	0	0	N.D.	N.D.
10) t	Alachlor	0.000	0.000	0	0	N.D.	N.D.
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D.	N.D.
12) t	Heptachlor E	0.000	0.000	0	0	N.D.	N.D.
13) t	gamma-Chlord	0.000	0.000	0	0	N.D.	N.D.
14) t	alpha-Chlord	0.000	0.000	0	0	N.D.	N.D.
15) t	4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
16) t	Endosulfan I	0.000	0.000	0	0	N.D.	N.D.
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-23.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 23:26
Operator : PEST10:ejl
Sample : il3tox,42e,,pp 11918 L0.02
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 12:19:43 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 12:19:38 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D.	N.D.
30) l1	chlordane-3	0.000	0.000	0	0	N.D.	N.D.
31) l1	chlordane-4	0.000	0.000	0	0	N.D.	N.D.
32) l1	chlordane-5	0.000	0.000	0	0	N.D.	N.D.
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	4.482	5.063	7233761	1710115	31.280	19.651M4
35) l2	toxaphene-2	4.604	5.091	4714914	2973201	27.288	22.866M4
36) l2	toxaphene-4	5.022	5.411	3731296	3346597	28.455M4	21.472
37) l2	toxaphene-5	5.204	5.821	4696463	4201019	31.054M4	28.939
Sum	toxaphene-1			20376433	12230932	118.077	92.929
Average	toxaphene-1					29.519	23.232

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			20376433	12230932	118.077	92.929
Average	toxaphene-1					29.519	23.232

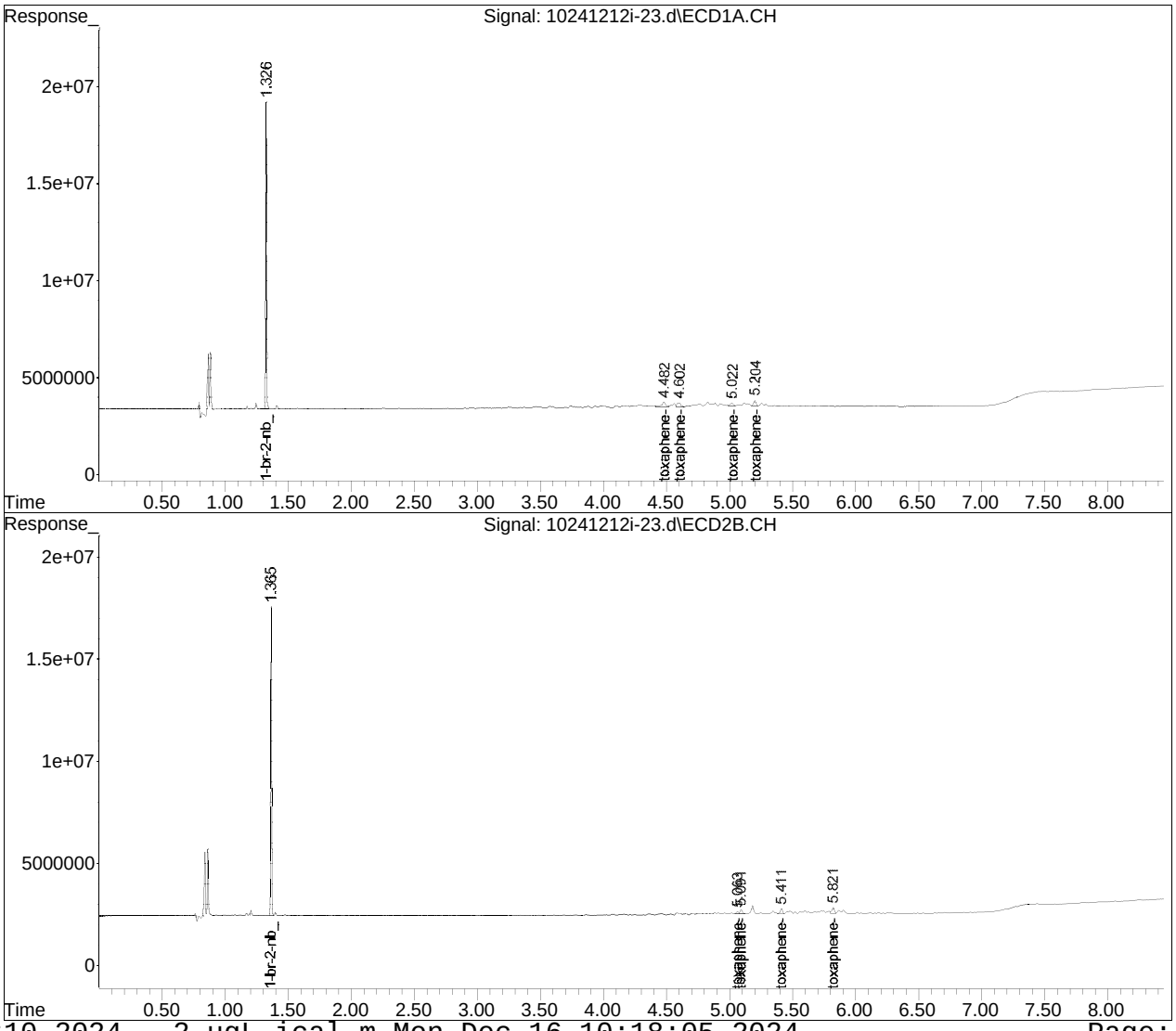
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-23.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 23:26
Operator : PEST10:ejl
Sample : il3tox,42e,,pp 11918 L0.02
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 12:19:43 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 12:19:38 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

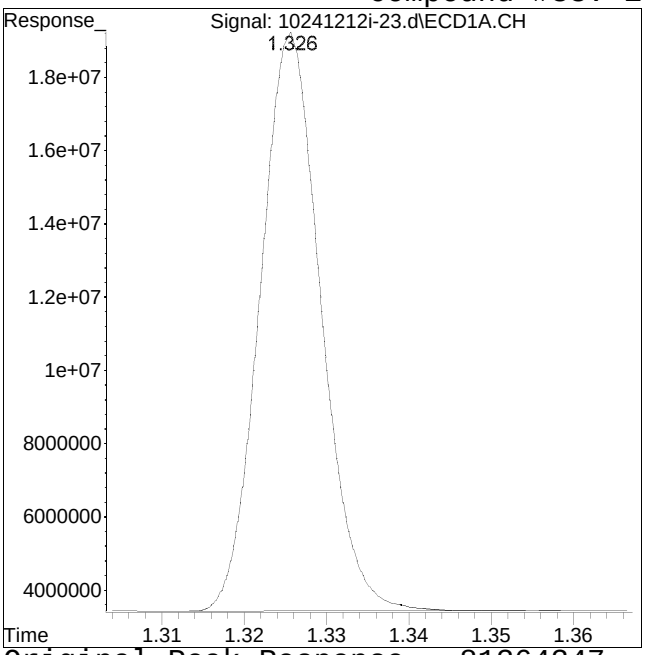
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

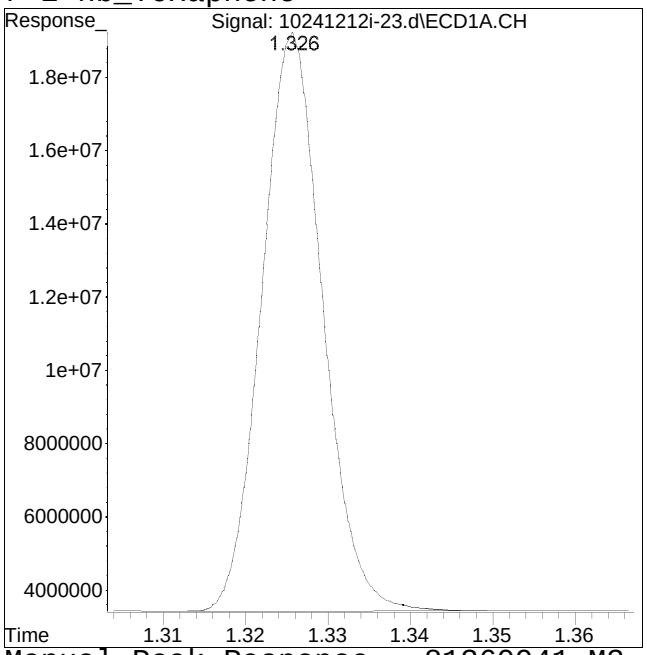


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-23.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 23:26 Instrument : Pest 10
Sample : il3tox,42e,,pp 11918 L0.02Quant Date : 12/13/2024 12:19 pm

Compound #33: 1-br-2-nb_Toxaphene



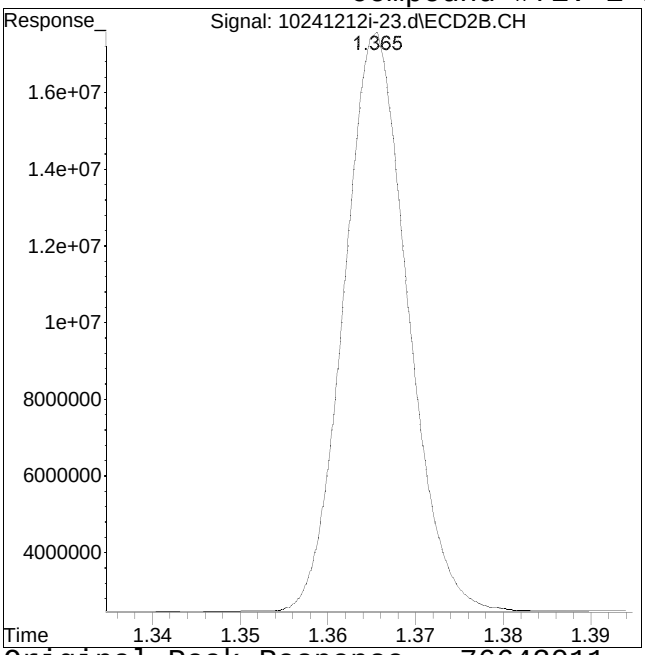


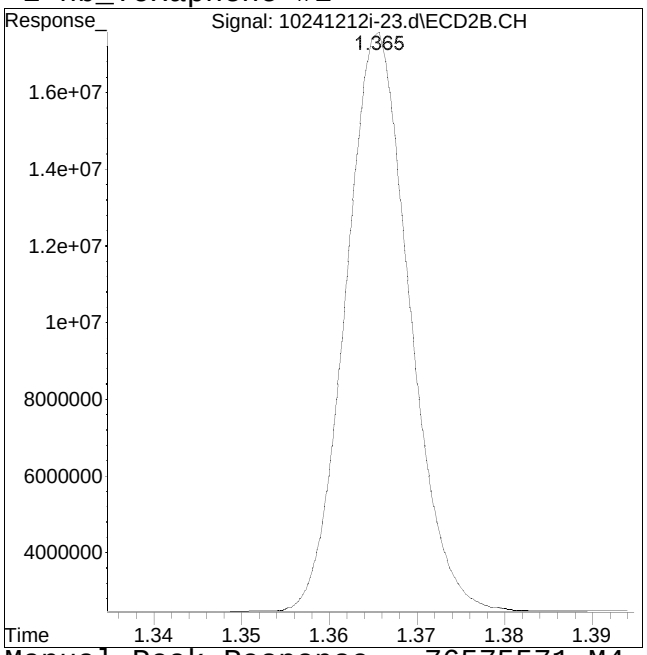
Original Peak Response = 81364347 Manual Peak Response = 81360941 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-23.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 23:26 Instrument : Pest 10
Sample : il3tox,42e,,pp 11918 L0.02Quant Date : 12/13/2024 12:19 pm

Compound #71: 1-br-2-nb_Toxaphene #2



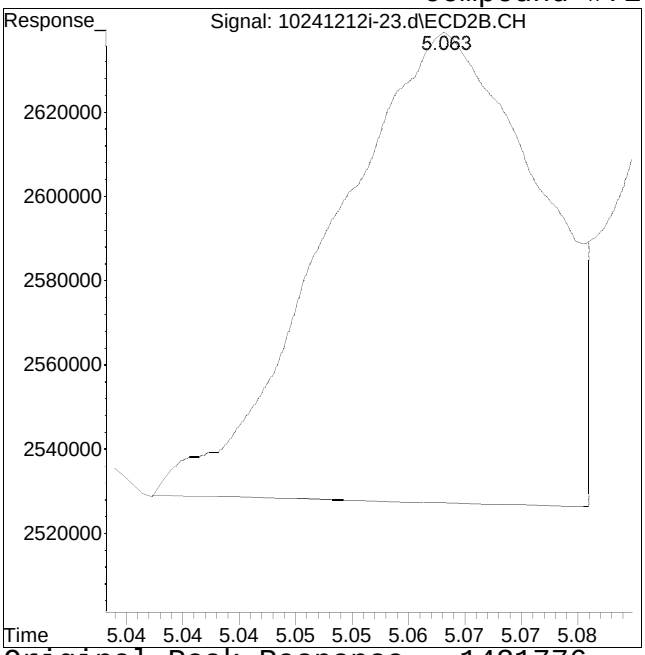


Original Peak Response = 76643011 Manual Peak Response = 76575571 M4
M4 = Poor automated baseline construction.

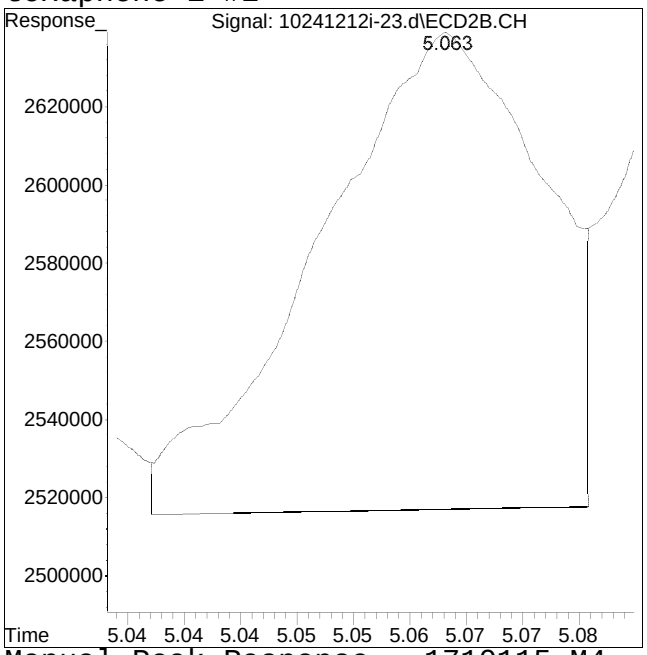
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-23.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 23:26 Instrument : Pest 10
Sample : il3tox,42e,,pp 11918 L0.02Quant Date : 12/13/2024 12:19 pm

Compound #72: toxaphene-1 #2



Original Peak Response = 1421776



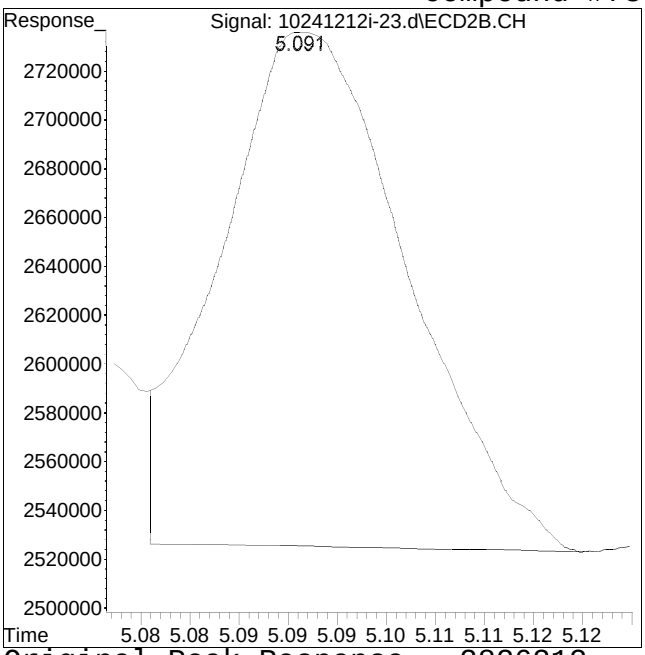
Manual Peak Response = 1710115 M4

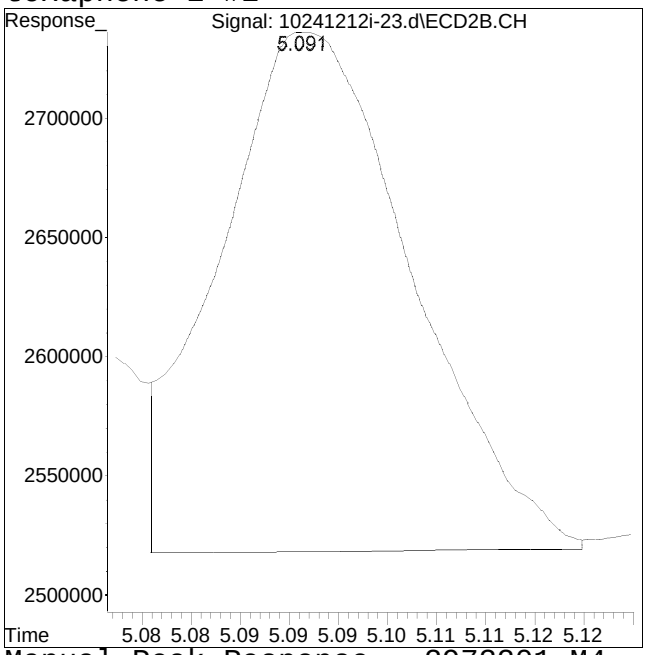
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-23.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 23:26 Instrument : Pest 10
Sample : il3tox,42e,,pp 11918 L0.02Quant Date : 12/13/2024 12:19 pm

Compound #73: toxaphene-2 #2



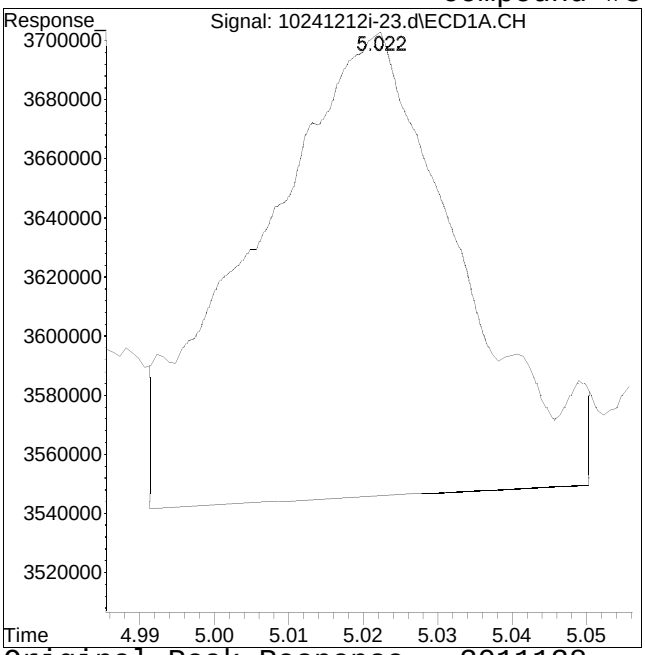


Original Peak Response = 2826212 Manual Peak Response = 2973201 M4
M4 = Poor automated baseline construction.

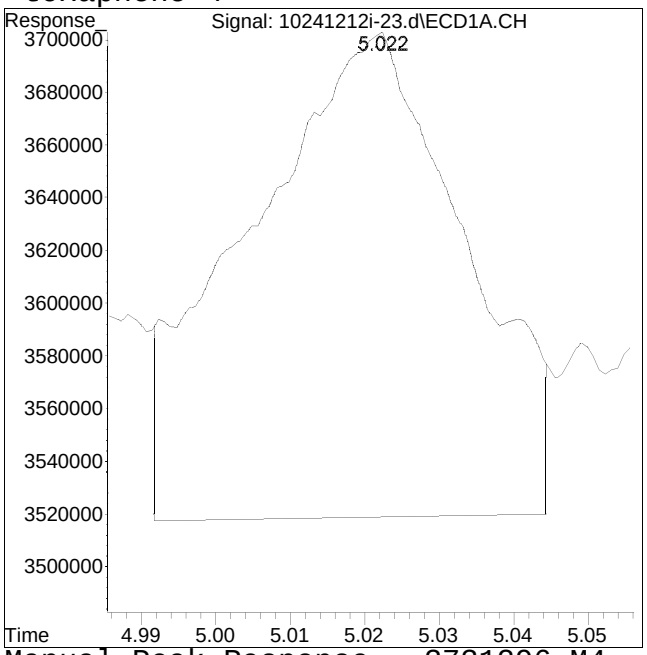
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-23.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 23:26 Instrument : Pest 10
Sample : il3tox,42e,,pp 11918 L0.02Quant Date : 12/13/2024 12:19 pm

Compound #36: toxaphene-4



Original Peak Response = 3011138



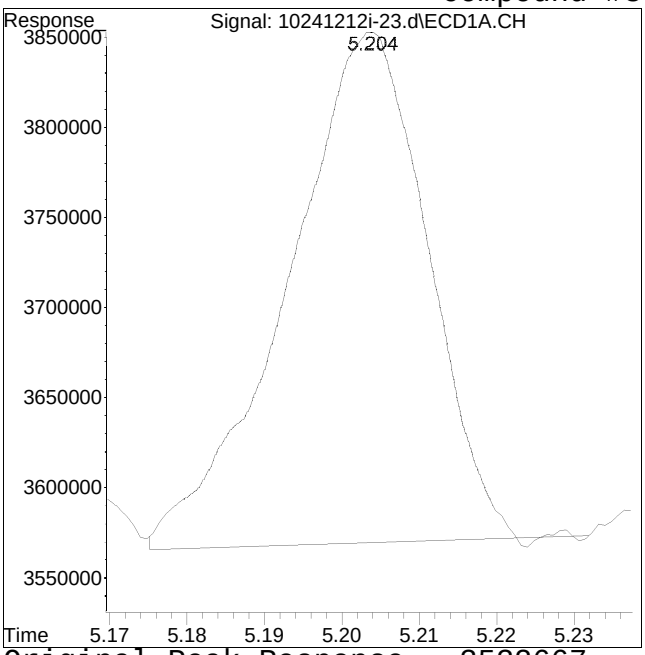
Manual Peak Response = 3731296 M4

M4 = Poor automated baseline construction.

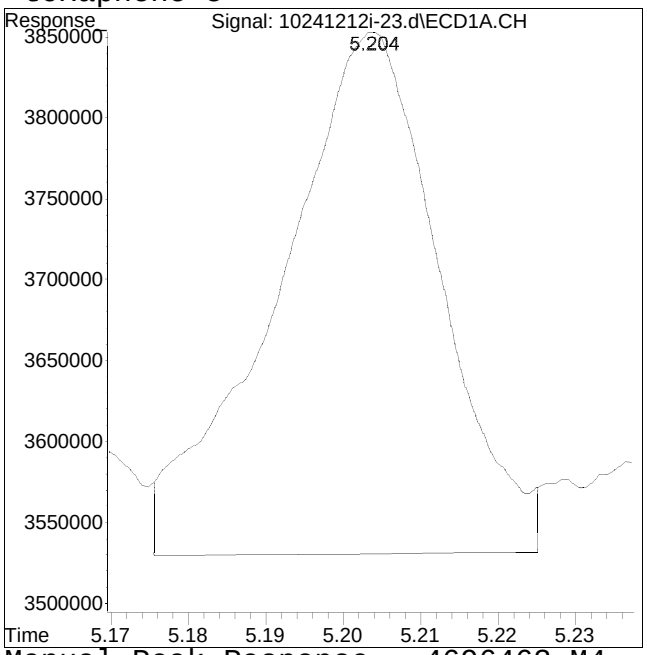
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-23.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 23:26 Instrument : Pest 10
Sample : il3tox,42e,,pp 11918 L0.02Quant Date : 12/13/2024 12:19 pm

Compound #37: toxaphene-5



Original Peak Response = 3532667



Manual Peak Response = 4696463 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-24.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 23:37
Operator : PEST10:ejl
Sample : il4tox,42e,,pp 11918 L0.1
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 12:18:56 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 12:18:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.326	1.365	81279229	75786352	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4) t	alpha-BHC	0.000	0.000	0	0	N.D.	N.D.
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D.	N.D.
6) t	beta-BHC	0.000	0.000	0	0	N.D.	N.D.
7) t	delta-BHC	0.000	0.000	0	0	N.D.	N.D.
8) t	Heptachlor	0.000	0.000	0	0	N.D.	N.D.
9) t	Aldrin	0.000	0.000	0	0	N.D.	N.D.
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-24.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 23:37
Operator : PEST10:ejl
Sample : il4tox,42e,,pp 11918 L0.1
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 12:18:56 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 12:18:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D.	N.D.
30) l1	chlordane-3	0.000	0.000	0	0	N.D.	N.D.
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	4.482	5.064	27071402	8271619	124.295	94.790
35) l2	toxaphene-2	4.605	5.093	19200368	12790548	115.562	99.194
36) l2	toxaphene-4	5.021	5.412	15642082	14977113	127.666	96.164
37) l2	toxaphene-5	5.205	5.822	18345594	14883971	130.768	104.855
Sum	toxaphene-1			80259446	50923251	498.291	395.003
Average	toxaphene-1					124.573	98.751

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			80259446	50923251	498.291	395.003
Average	toxaphene-1					124.573	98.751

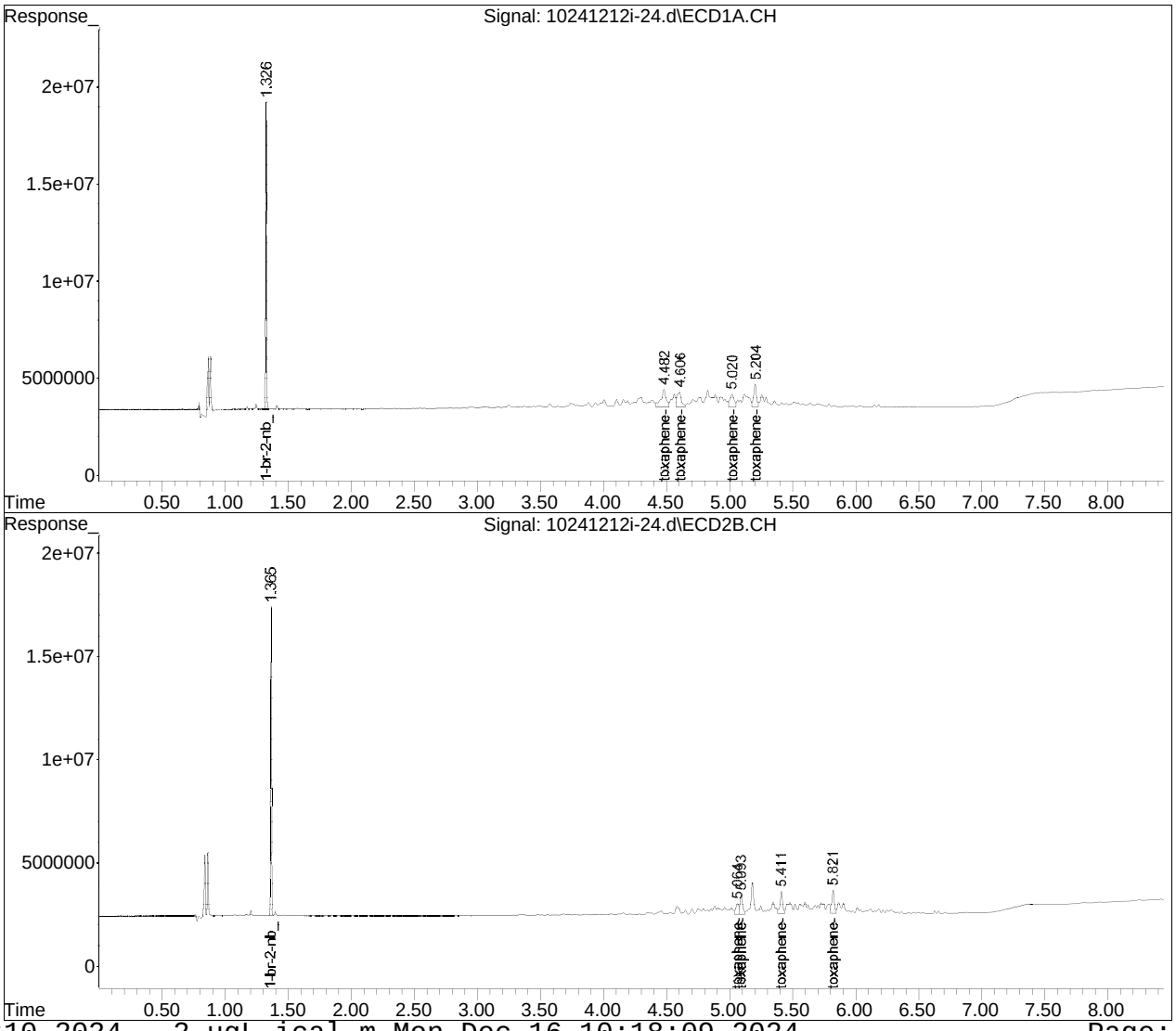
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-24.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 23:37
Operator : PEST10:ejl
Sample : il4tox,42e,,pp 11918 L0.1
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 12:18:56 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 12:18:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

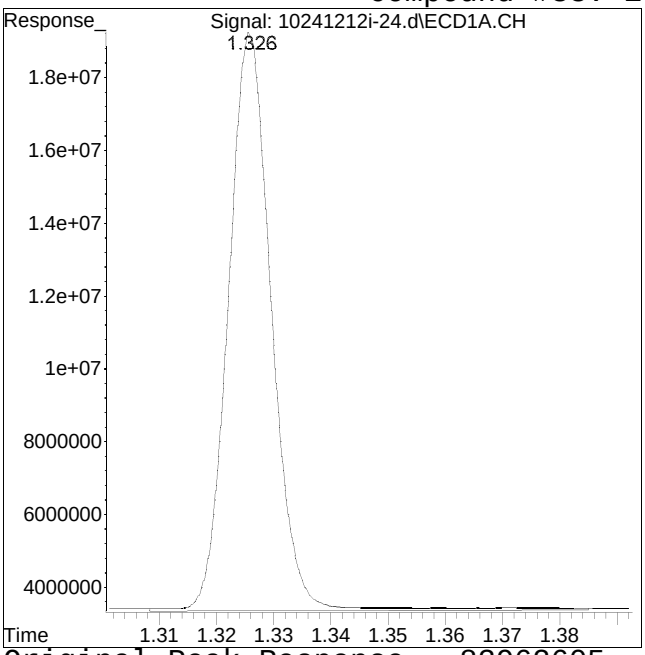
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



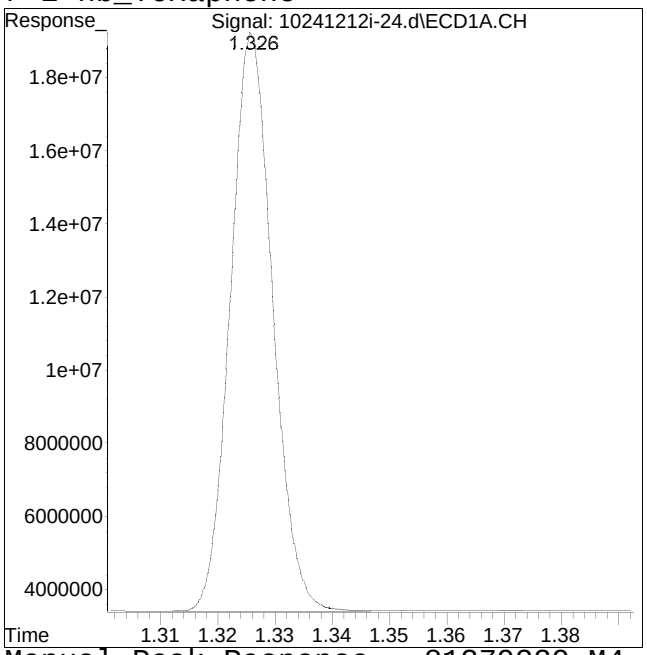
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-24.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 23:37 Instrument : Pest 10
Sample : il4tox,42e,,pp 11918 L0.1 Quant Date : 12/13/2024 12:18 pm

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 83962605



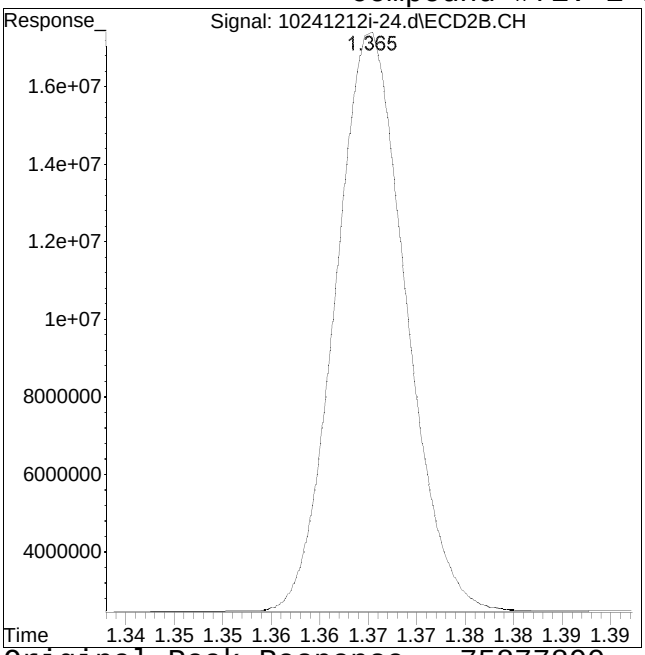
Manual Peak Response = 81279229 M4

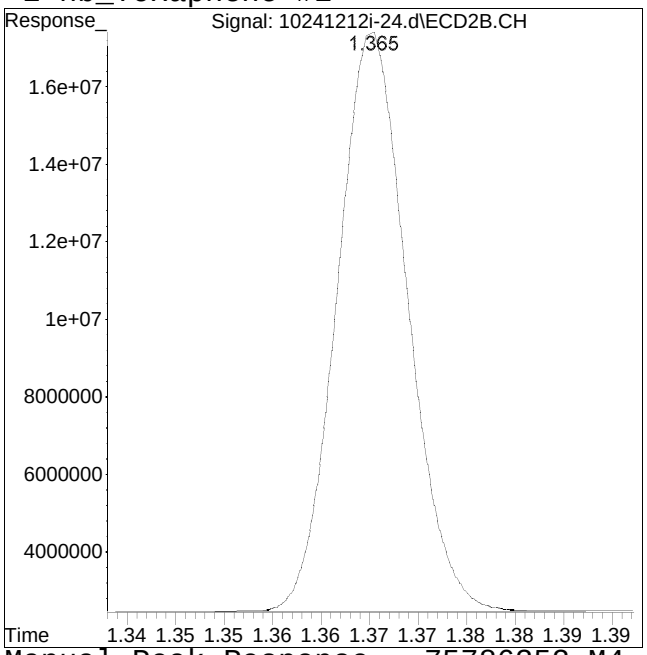
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-24.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 23:37 Instrument : Pest 10
Sample : il4tox,42e,,pp 11918 L0.1 Quant Date : 12/13/2024 12:18 pm

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 75877890 Manual Peak Response = 75786352 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-25.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 23:48
Operator : PEST10:ejl
Sample : il7tox,42e,,pp 11918 L1.0
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 12:18:18 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 12:18:12 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.326	1.366	81865763	76081387	25.000M4	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4) t	alpha-BHC	0.000	0.000	0	0	N.D.	N.D.
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D.	N.D.
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-25.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 23:48
Operator : PEST10:ejl
Sample : il7tox,42e,,pp 11918 L1.0
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 12:18:18 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 12:18:12 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D.	N.D.
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	4.481	5.064	239.4E6	88773516	1143.743	1020.192
35) l2	toxaphene-2	4.604	5.093	181.5E6	130.2E6	1132.704	1008.766
36) l2	toxaphene-4	5.020	5.412	134.1E6	156.9E6	1136.348	1004.829
37) l2	toxaphene-5	5.204	5.821	154.1E6	143.6E6	1142.026	1011.362
Sum	toxaphene-1			709.2E6	519.4E6	4554.821	4045.149
Average	toxaphene-1					1138.705	1011.287

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			709.2E6	519.4E6	4554.821	4045.149
Average	toxaphene-1					1138.705	1011.287

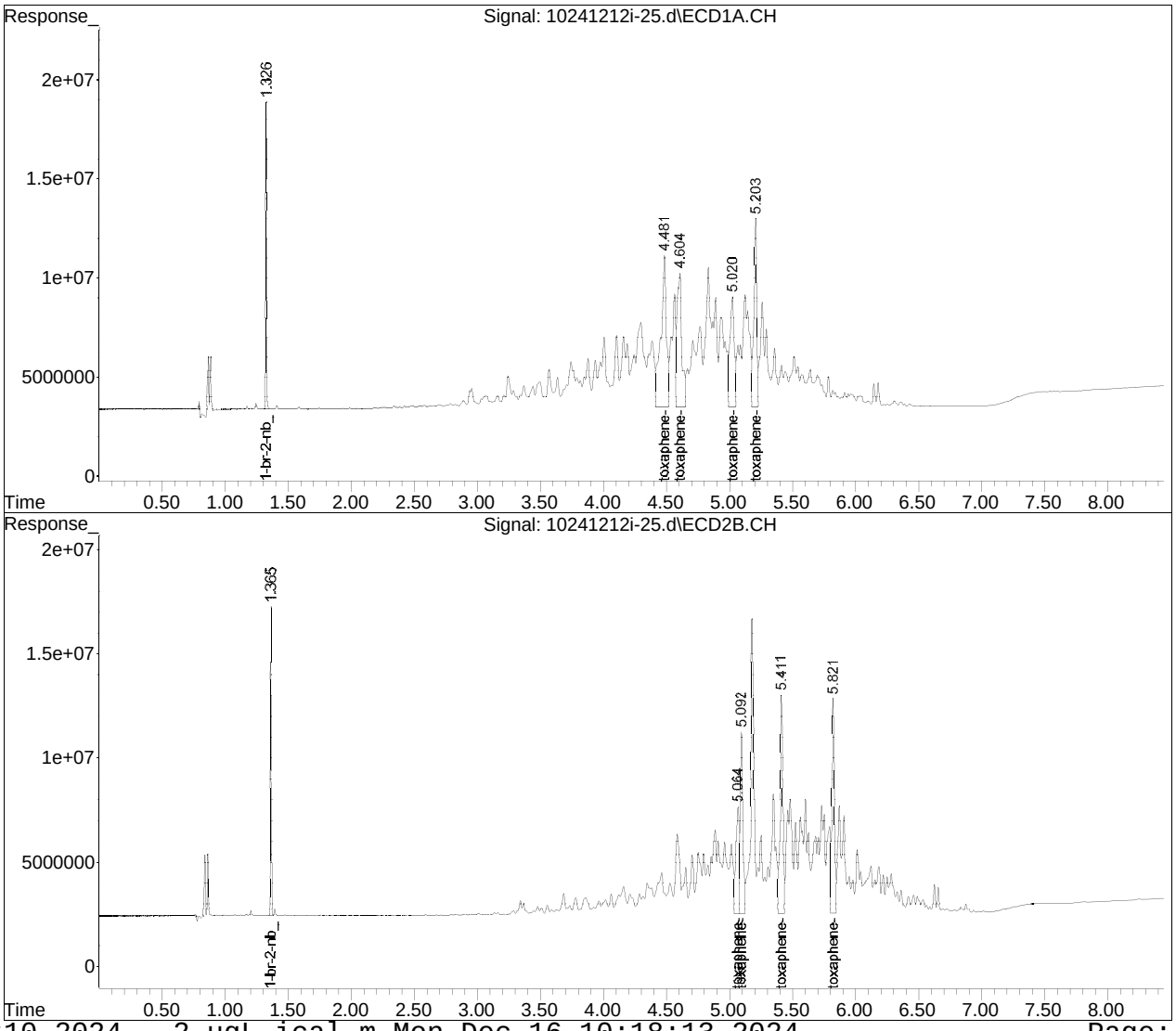
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-25.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 23:48
Operator : PEST10:ejl
Sample : il7tox,42e,,pp 11918 L1.0
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 12:18:18 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 12:18:12 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

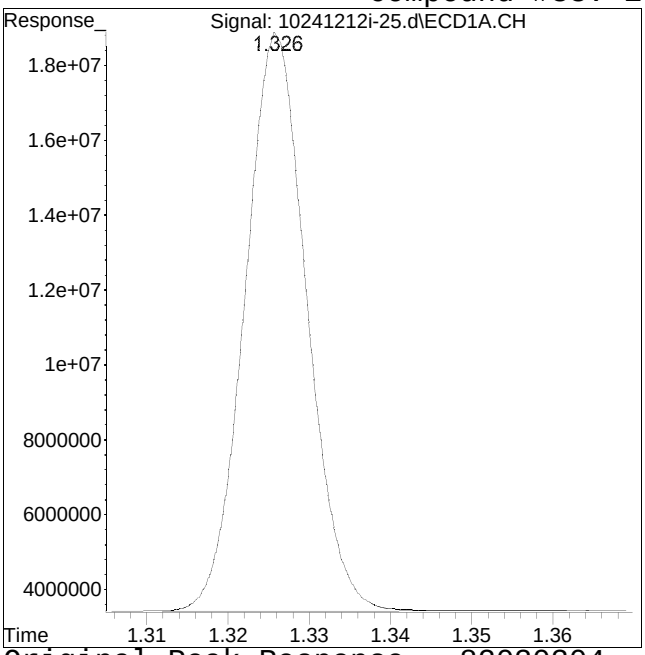
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

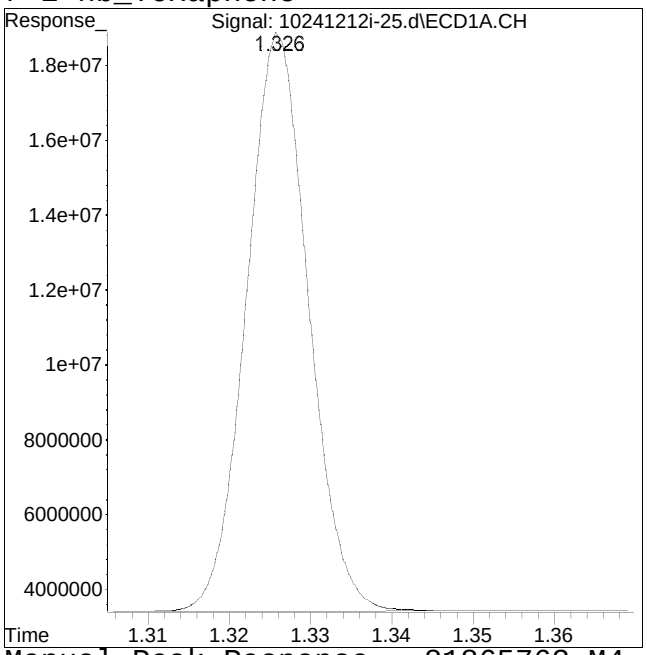


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-25.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 23:48 Instrument : Pest 10
Sample : il7tox,42e,,pp 11918 L1.0 Quant Date : 12/13/2024 12:18 pm

Compound #33: 1-br-2-nb_Toxaphene





Original Peak Response = 82030304 Manual Peak Response = 81865763 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-26.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 23:59
Operator : PEST10:ejl
Sample : il8tox,42e,,pp 11918 L2.0
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 12:02:43 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 12:02:37 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.326	1.365	85702409	78424667	25.000M4	25.000M3
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4) t	alpha-BHC	0.000	0.000	0	0	N.D.	N.D.
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D.	N.D.
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-26.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 23:59
Operator : PEST10:ejl
Sample : il8tox,42e,,pp 11918 L2.0
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 12:02:43 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 12:02:37 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	4.480	5.064	462.1E6	179.7E6	NoCal	NoCal
35) l2	toxaphene-2	4.603	5.093	352.4E6	268.7E6	NoCal	NoCal
36) l2	toxaphene-4	5.020	5.411	259.1E6	324.4E6	NoCal	NoCal
37) l2	toxaphene-5	5.203	5.821	298.2E6	295.1E6	NoCal	NoCal
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

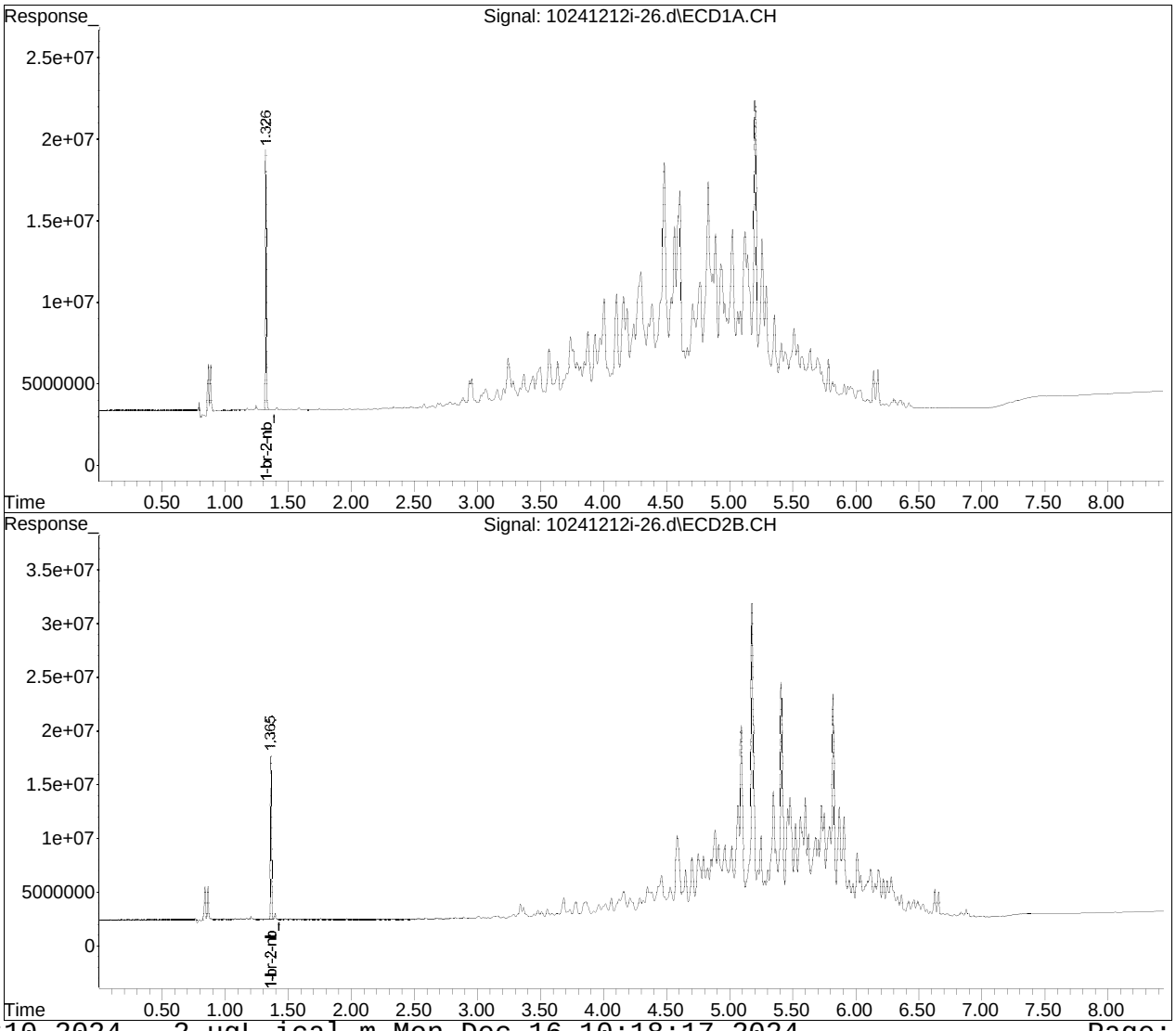
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-26.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Dec 2024 23:59
Operator : PEST10:ejl
Sample : il8tox,42e,,pp 11918 L2.0
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 12:02:43 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 12:02:37 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

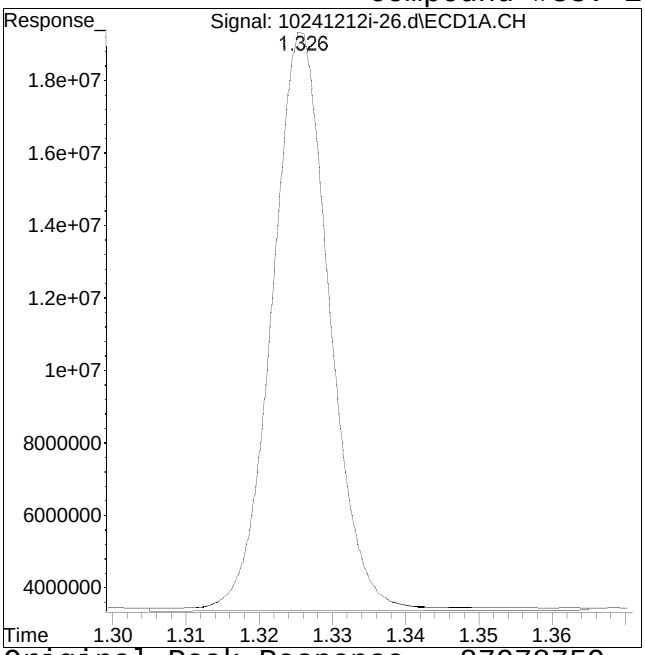
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



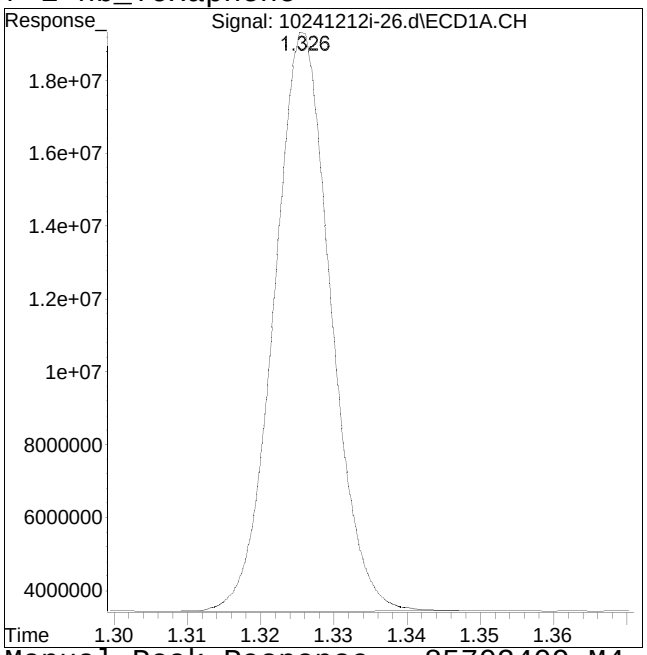
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-26.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 23:59 Instrument : Pest 10
Sample : il8tox,42e,,pp 11918 L2.0 Quant Date : 12/13/2024 12:02 pm

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 87978759



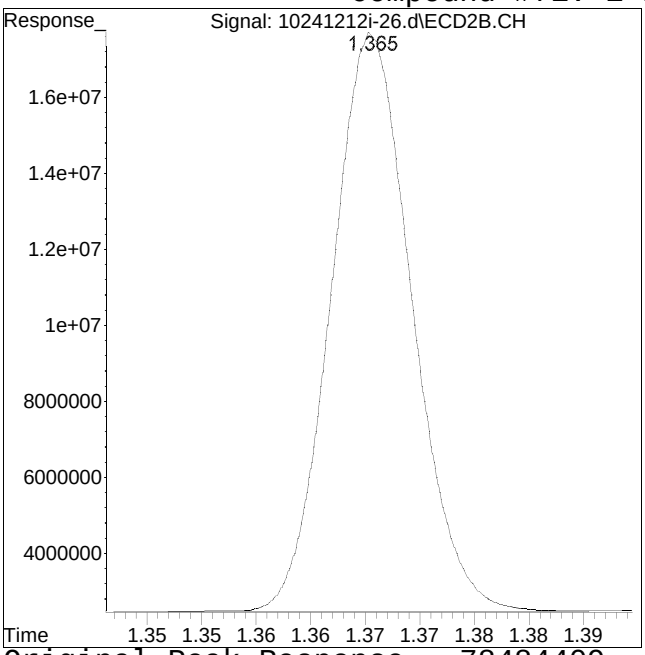
Manual Peak Response = 85702409 M4

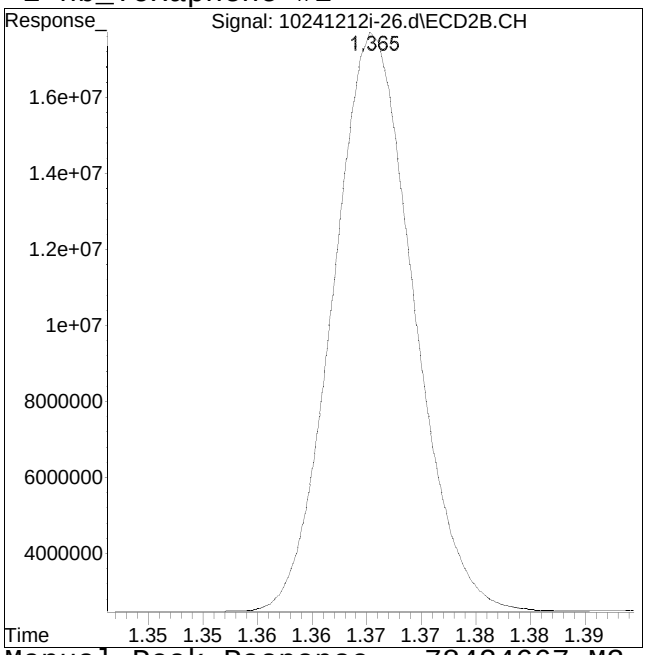
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-26.d Operator : PEST10:ejl
Date Inj'd : 12/12/2024 23:59 Instrument : Pest 10
Sample : il8tox,42e,,pp 11918 L2.0 Quant Date : 12/13/2024 12:02 pm

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 78484409 Manual Peak Response = 78424667 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-27.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Dec 2024 00:10
Operator : PEST10:ejl
Sample : il9tox,42e,,pp 11918 L5.0
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 12:17:21 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 12:16:03 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.326	1.365	87829993	76209650	25.000M4	25.000M3
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-27.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Dec 2024 00:10
Operator : PEST10:ejl
Sample : il9tox,42e,,pp 11918 L5.0
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 12:17:21 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 12:16:03 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	4.482	5.064	1061.9E6	435.0E6	4484.311	4980.736
35) l2	toxaphene-2	4.604	5.093	816.5E6	640.0E6	4522.093	4901.983
36) l2	toxaphene-4	5.021	5.412	602.7E6	775.6E6	4539.911	4920.562
37) l2	toxaphene-5	5.204	5.822	683.5E6	705.0E6	4472.948	4916.382
Sum	toxaphene-1			3164.6E6	2555.6E6	18019.263	19719.662
Average	toxaphene-1					4504.816	4929.916

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			3164.6E6	2555.6E6	18019.263	19719.662
Average	toxaphene-1					4504.816	4929.916

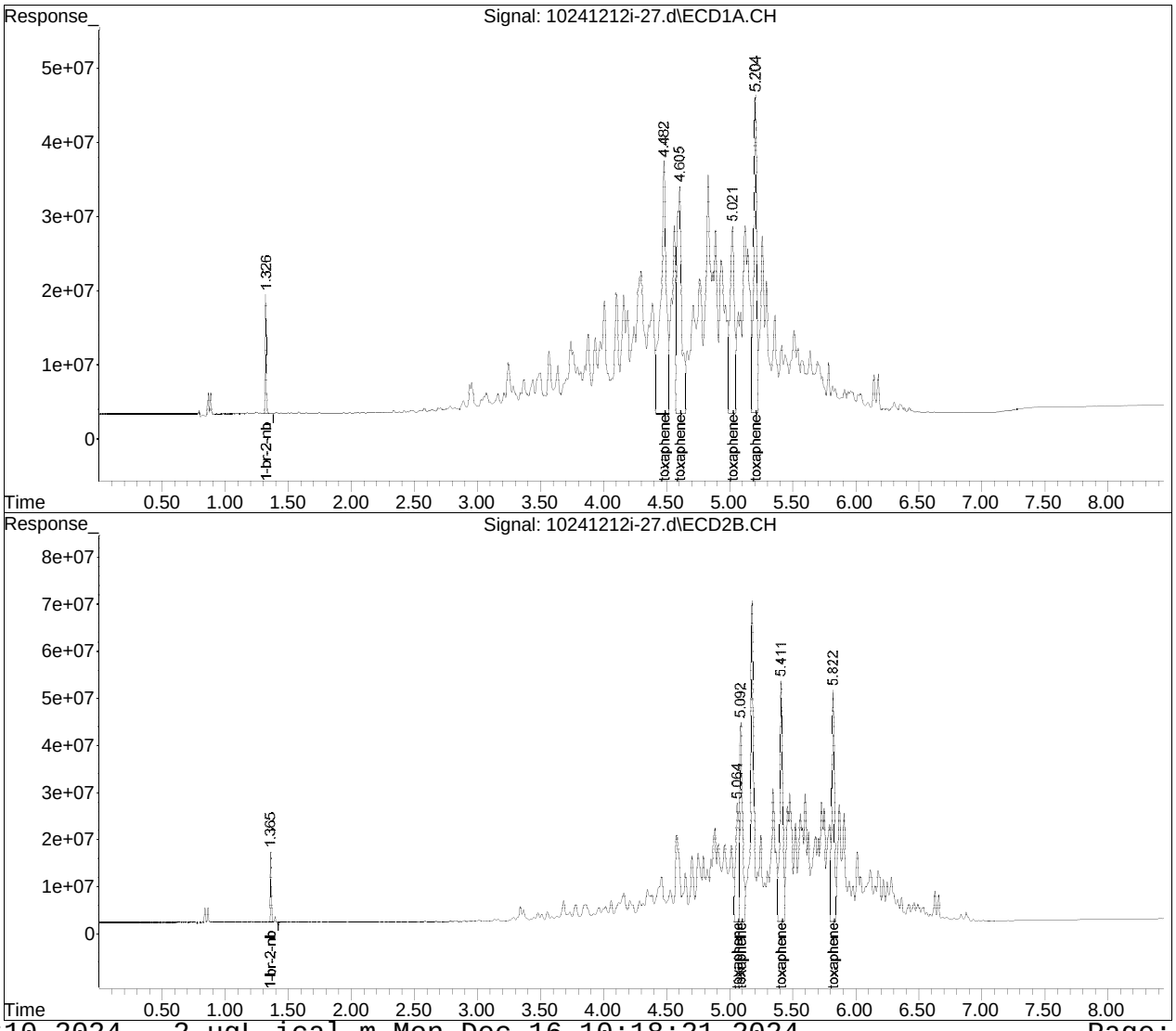
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-27.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Dec 2024 00:10
Operator : PEST10:ejl
Sample : il9tox,42e,,pp 11918 L5.0
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 12:17:21 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 12:16:03 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

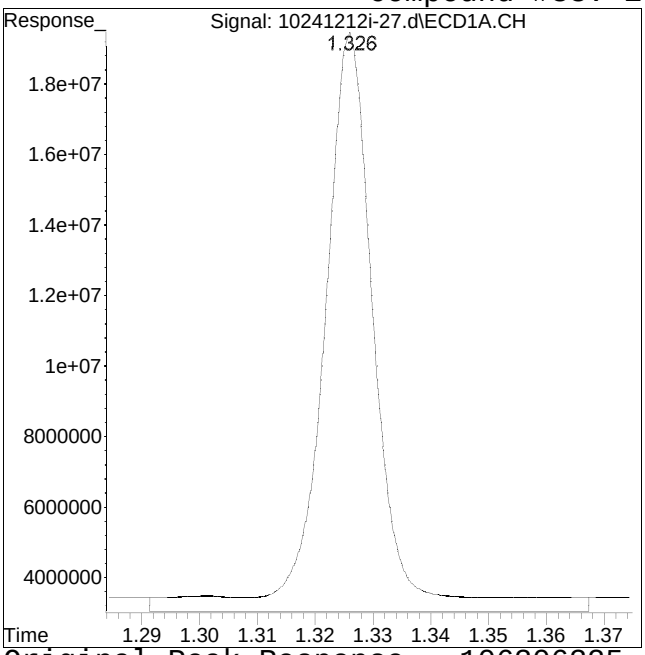
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



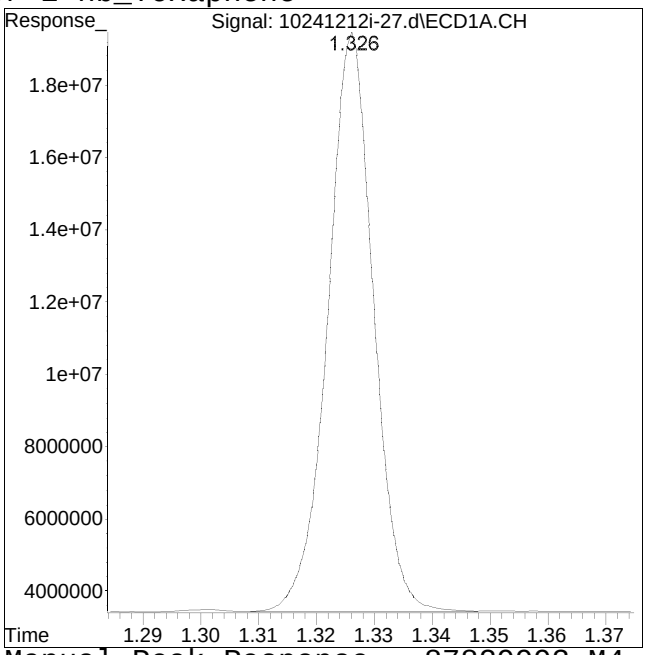
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-27.d Operator : PEST10:ejl
Date Inj'd : 12/13/2024 0:10 Instrument : Pest 10
Sample : il9tox,42e,,pp 11918 L5.0 Quant Date : 12/13/2024 12:17 pm

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 106306325



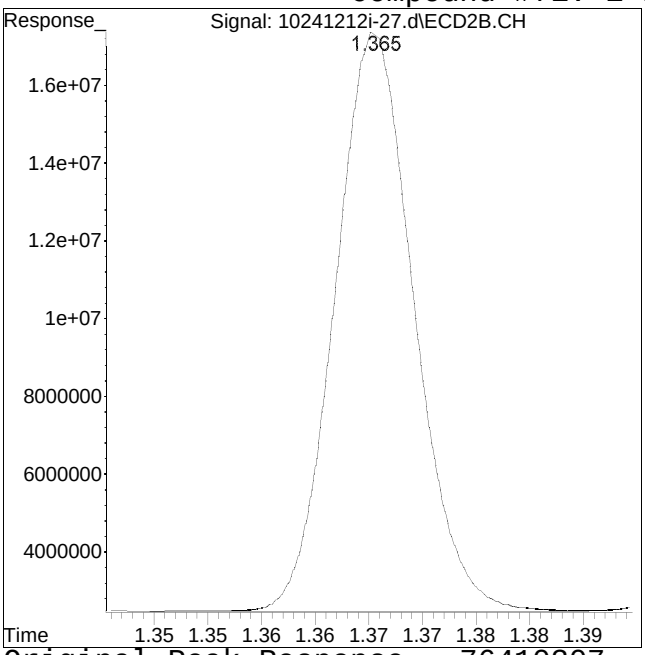
Manual Peak Response = 87829993 M4

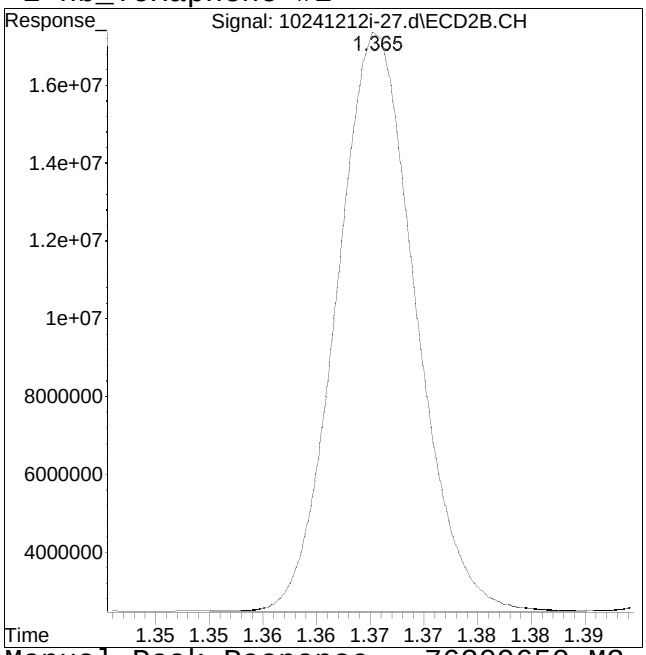
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-27.d Operator : PEST10:ejl
Date Inj'd : 12/13/2024 0:10 Instrument : Pest 10
Sample : il9tox,42e,,pp 11918 L5.0 Quant Date : 12/13/2024 12:17 pm

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 76410307 Manual Peak Response = 76209650 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-28.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Dec 2024 00:21
Operator : PEST10:ejl
Sample   : cicvtox,42e,,pp 11899 L2.0ICV
Misc   : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 28 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 12:21:45 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 12:21:40 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	104	0.00
34	l2	toxaphene-1		*2000.000	2141.435	-7.1	103	0.00
35	l2	toxaphene-2		*2000.000	2005.753	-0.3	97	0.00
36	l2	toxaphene-4		*2000.000	2161.223	-8.1	105	0.00
37	l2	toxaphene-5		*2000.000	2060.364	-3.0	99	0.00

Signal #2

33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	102	0.00
34	l2	toxaphene-1		*2000.000	2042.942	-2.1	102	0.00
35	l2	toxaphene-2		*2000.000	2043.434	-2.2	101	0.00
36	l2	toxaphene-4		*2000.000	1921.691	3.9	95	0.00
37	l2	toxaphene-5		*2000.000	2048.761	-2.4	101	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.33#
2	s	2,4,5,6-Tetrachloro-m-xylen		1.885	0.000	100.0#	0#	-1.67#
3	t	Hexachlorobenzene		1.913	0.000	100.0#	0#	-1.89#
4	t	alpha-BHC		1.862	0.000	100.0#	0#	-1.99#
5	t	gamma-BHC (lindane)		1.826	0.000	100.0#	0#	-2.19#
6	t	beta-BHC	*	50.000	0.000	100.0#	0	-2.25#
7	t	delta-BHC		1.752	0.000	100.0#	0#	-2.38#
8	t	Heptachlor		1.573	0.000	100.0#	0#	-2.54#
9	t	Aldrin		1.839	0.000	100.0#	0#	-2.79#
10	t	Alachlor		0.232	0.000	100.0#	0#	-2.91#
11	t	Chlorpyrifos		0.768	0.000	100.0#	0#	-3.00#
12	t	Heptachlor Epoxide		1.680	0.000	100.0#	0#	-3.34#
13	t	gamma-Chlordane (trans)		1.573	0.000	100.0#	0#	-3.46#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-28.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Dec 2024 00:21
Operator : PEST10:ejl
Sample   : cicvtox,42e,,pp 11899 L2.0ICV
Misc   : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 28 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 12:21:45 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 12:21:40 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
14	t	alpha-Chlordane (cis)	*	50.000	0.000	100.0#	0	-3.60#
15	t	4,4'-DDE		1.911	0.000	100.0#	0#	-3.70#
16	t	Endosulfan I		1.681	0.000	100.0#	0#	-3.74#
17	t	Dieldrin		1.705	0.000	100.0#	0#	-4.00#
18	t	Endrin		1.592	0.000	100.0#	0#	-4.25#
19	t	4,4'-DDD		1.191	0.000	100.0#	0#	-4.36#
20	t	Endosulfan II		1.465	0.000	100.0#	0#	-4.49#
21	t	4,4'-DDT		1.130	0.000	100.0#	0#	-4.65#
22	t	Endrin Aldehyde		1.264	0.000	100.0#	0#	-4.91#
23	t	Methoxychlor	*	50.000	0.000	100.0#	0	-5.14#
24	t	Mirex	*	50.000	0.000	100.0#	0	-5.20#
25	t	Endosulfan Sulfate		1.465	0.000	100.0#	0#	-5.30#
26	t	Endrin Ketone		1.441	0.000	100.0#	0#	-5.52#
27	s	Decachlorobiphenyl	*	50.000	0.000	100.0#	0	-6.32#
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.33#
29	l1	chlordane-1	*	1000.000	0.000	100.0#	0	-2.48#
30	l1	chlordane-3	*	1000.000	0.000	100.0#	0	-2.90#
31	l1	chlordane-4	*	1000.000	0.000	100.0#	0	-3.46#
32	l1	chlordane-5	*	1000.000	0.000	100.0#	0	-3.59#

Signal #2

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.37#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.353	0.000	100.0#	0#	-1.84#
3	t	Hexachlorobenzene		1.474	0.000	100.0#	0#	-2.15#
4	t	alpha-BHC		50.000	0.000	100.0#	0	-2.25#
5	t	gamma-BHC (lindane)		1.651	0.000	100.0#	0#	-2.53#
6	t	beta-BHC		0.753	0.000	100.0#	0#	-2.60#
7	t	delta-BHC		1.657	0.000	100.0#	0#	-2.86#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-28.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Dec 2024 00:21
Operator : PEST10:ejl
Sample   : cicvtox,42e,,pp 11899 L2.0ICV
Misc   : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 28 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 12:21:45 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 12:21:40 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
8	t	Heptachlor		1.607	0.000	100.0#	0#	-2.93#
9	t	Aldrin		50.000	0.000	100.0#	0	-3.25#
10	t	Alachlor		0.223	0.000	100.0#	0#	-3.13#
11	t	Chlorpyrifos		0.831	0.000	100.0#	0#	-3.48#
12	t	Heptachlor Epoxide		1.611	0.000	100.0#	0#	-3.86#
13	t	gamma-Chlordane (trans)		50.000	0.000	100.0#	0	-4.08#
14	t	alpha-Chlordane (cis)		1.690	0.000	100.0#	0#	-4.25#
15	t	4,4'-DDE		50.000	0.000	100.0#	0	-4.45#
16	t	Endosulfan I		1.548	0.000	100.0#	0#	-4.31#
17	t	Dieldrin		50.000	0.000	100.0#	0	-4.61#
18	t	Endrin		50.000	0.000	100.0#	0	-4.91#
19	t	4,4'-DDD		50.000	0.000	100.0#	0	-5.03#
20	t	Endosulfan II		1.422	0.000	100.0#	0#	-5.11#
21	t	4,4'-DDT		1.339	0.000	100.0#	0#	-5.31#
22	t	Endrin Aldehyde		1.202	0.000	100.0#	0#	-5.40#
23	t	Methoxychlor		0.741	0.000	100.0#	0#	-5.88#
24	t	Mirex		1.292	0.000	100.0#	0#	-6.01#
25	t	Endosulfan Sulfate		1.360	0.000	100.0#	0#	-5.63#
26	t	Endrin Ketone		1.515	0.000	100.0#	0#	-6.05#
27	s	Decachlorobiphenyl	*	1.541	0.000	100.0#	0#	-6.91#
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.37#
29	l1	chlordane-1		*1000.000	0.000	100.0#	0	-2.79#
30	l1	chlordane-3		*1000.000	0.000	100.0#	0	-3.40#
31	l1	chlordane-4		*1000.000	0.000	100.0#	0	-4.08#
32	l1	chlordane-5		*1000.000	0.000	100.0#	0	-4.25#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-28.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Dec 2024 00:21
Operator : PEST10:ejl
Sample : cicvtox,42e,,pp 11899 L2.0ICV
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 12:21:45 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 12:21:40 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.326	1.365	86945389	78146608	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4) t	alpha-BHC	0.000	0.000	0	0	N.D.	N.D.
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D.	N.D.
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-28.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Dec 2024 00:21
Operator : PEST10:ejl
Sample : cicvtox,42e,,pp 11899 L2.0ICV
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 12:21:45 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 12:21:40 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	4.480	5.064	476.2E6	182.8E6	2141.435	2042.942
35) l2	toxaphene-2	4.603	5.092	341.3E6	270.2E6	2005.753	2043.434
36) l2	toxaphene-4	5.020	5.412	271.4E6	307.3E6	2161.223	1921.691
37) l2	toxaphene-5	5.203	5.821	295.4E6	298.4E6	2060.364	2048.761
Sum	toxaphene-1			1384.4E6	1058.7E6	8368.775	8056.828
Average	toxaphene-1					2092.194	2014.207

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			1384.4E6	1058.7E6	8368.775	8056.828
Average	toxaphene-1					2092.194	2014.207

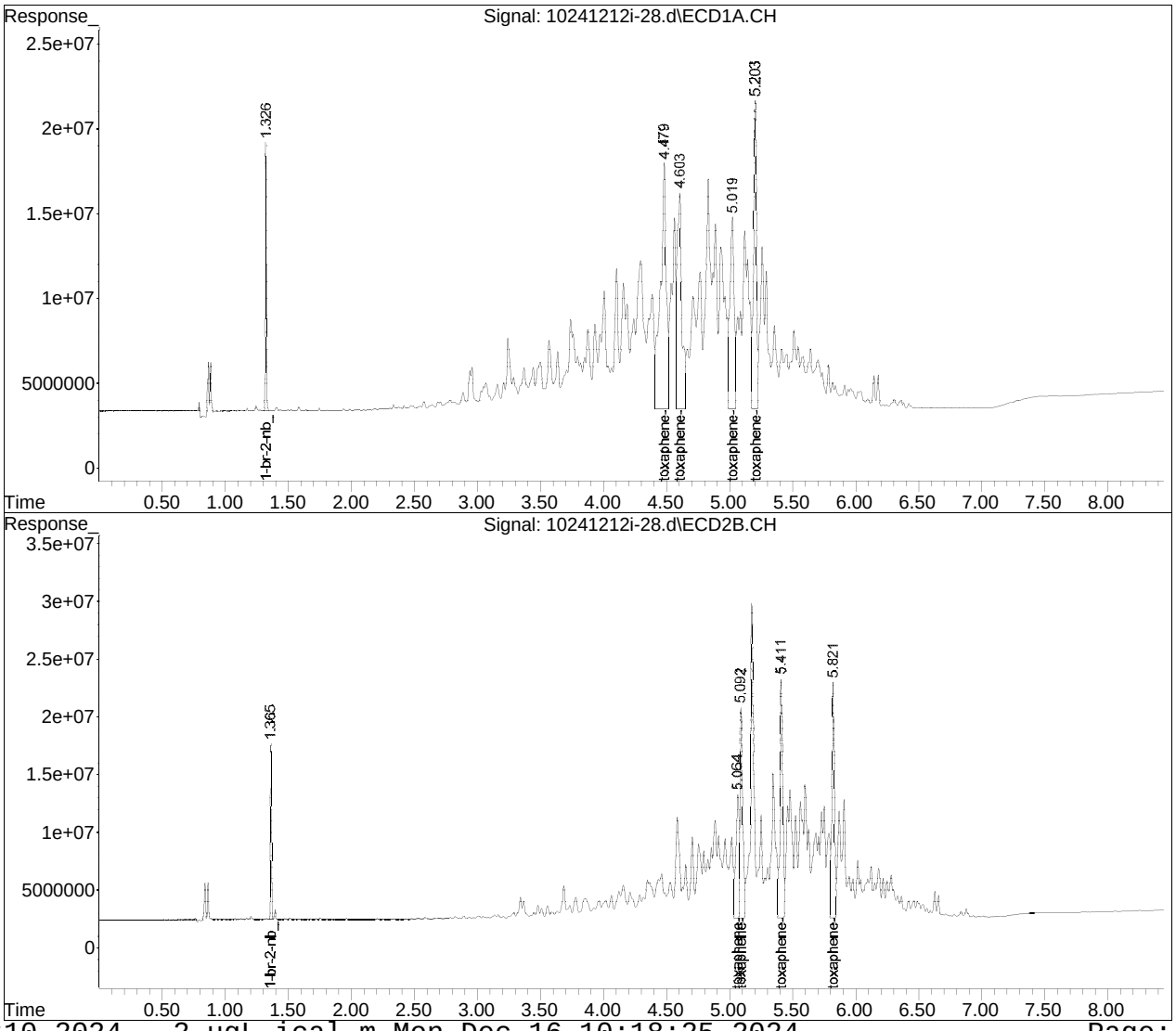
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-28.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Dec 2024 00:21
Operator : PEST10:ejl
Sample : cicvtox,42e,,pp 11899 L2.0ICV
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 12:21:45 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 12:21:40 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

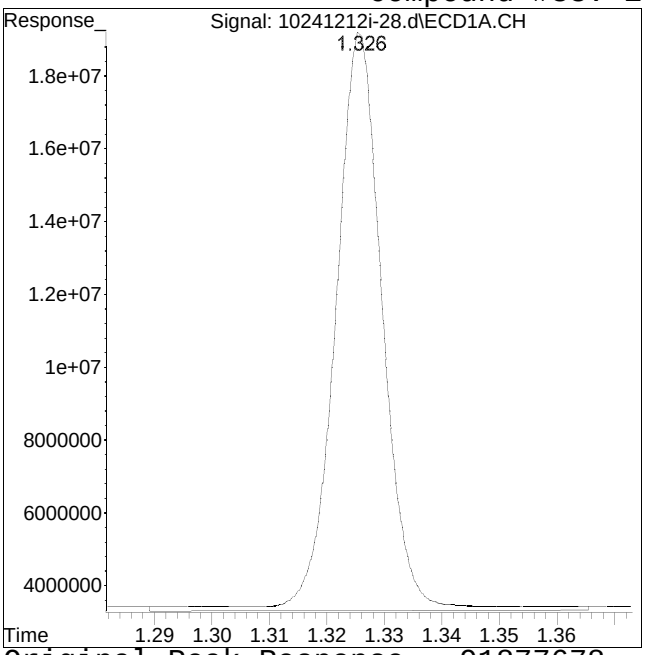
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

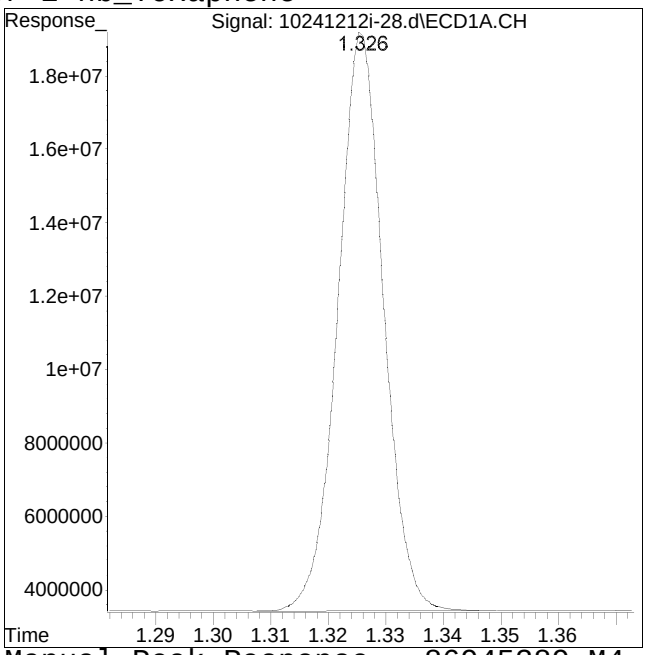


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-28.d Operator : PEST10:ejl
Date Inj'd : 12/13/2024 0:21 Instrument : Pest 10
Sample : cicvtox,42e,,pp 11899 L2.0Quant Date : 12/13/2024 12:21 pm

Compound #33: 1-br-2-nb_Toxaphene



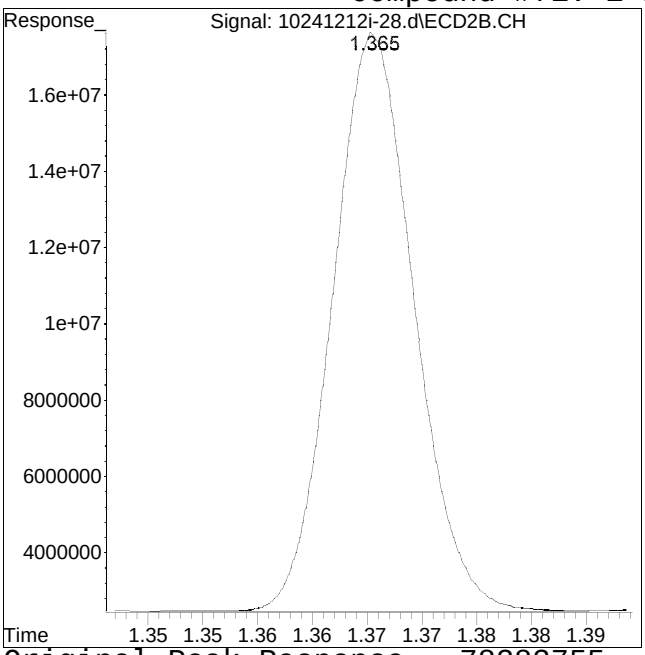


Original Peak Response = 91877678 Manual Peak Response = 86945389 M4
M4 = Poor automated baseline construction.

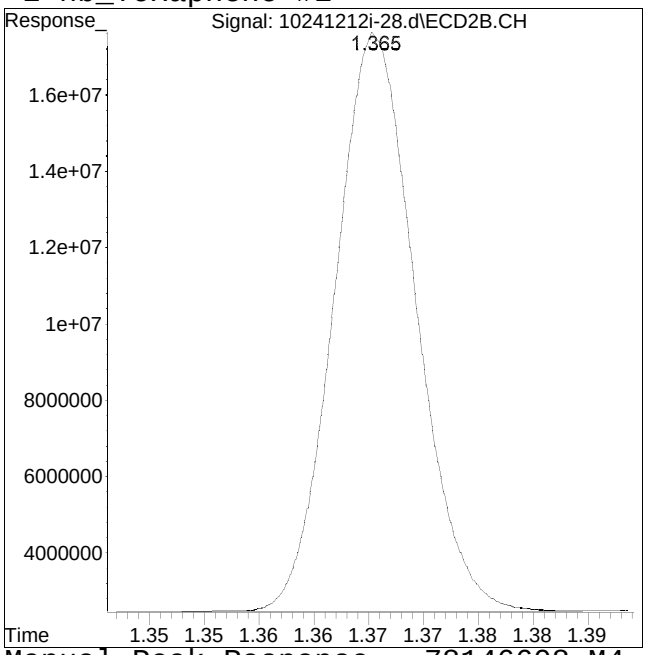
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-28.d Operator : PEST10:ejl
Date Inj'd : 12/13/2024 0:21 Instrument : Pest 10
Sample : cicvtox,42e,,pp 11899 L2.0Quant Date : 12/13/2024 12:21 pm

Compound #71: 1-br-2-nb_Toxaphene #2



Original Peak Response = 78383755



Manual Peak Response = 78146608 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-30.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Dec 2024 16:00
Operator : PEST10:ejl
Sample : pem10241212-02,42e,,pp 11667 - (Sig #1); pem-02,42e,,pp 11667 - (Sig #2)
Misc : WG2009688,ical
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 16:11:23 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 16:05:11 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.327	1.365	68775648	81726178	25.000M4	25.000M4
	System Monitoring Compounds						
	Target Compounds						
15) t	4,4'-DDE	3.704	4.451	1351826	662279	0.257M2	0.120 D
18) t	Endrin	4.259	4.906	366.0E6	338.2E6	83.573M3	65.864
19) t	4,4'-DDD	4.366	5.030	2847743	2132816	0.869M2	0.526M4 D
21) t	4,4'-DDT	4.658	5.309	443.6E6	607.4E6	142.734M4	138.754M3
22) t	Endrin Aldeh	4.930	5.406	1628129	408832	0.468M3	0.104M3 D
26) t	Endrin Keton	5.526	6.048	2096565	1857737	0.529M3	0.375
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-30.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Dec 2024 16:00
Operator : PEST10:ejl
Sample : pem10241212-02,42e,,pp 11667 - (Sig #1); pem-02,42e,,pp 11667 - (Sig #2)
Misc : WG2009688,ical
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 16:11:23 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 16:05:11 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

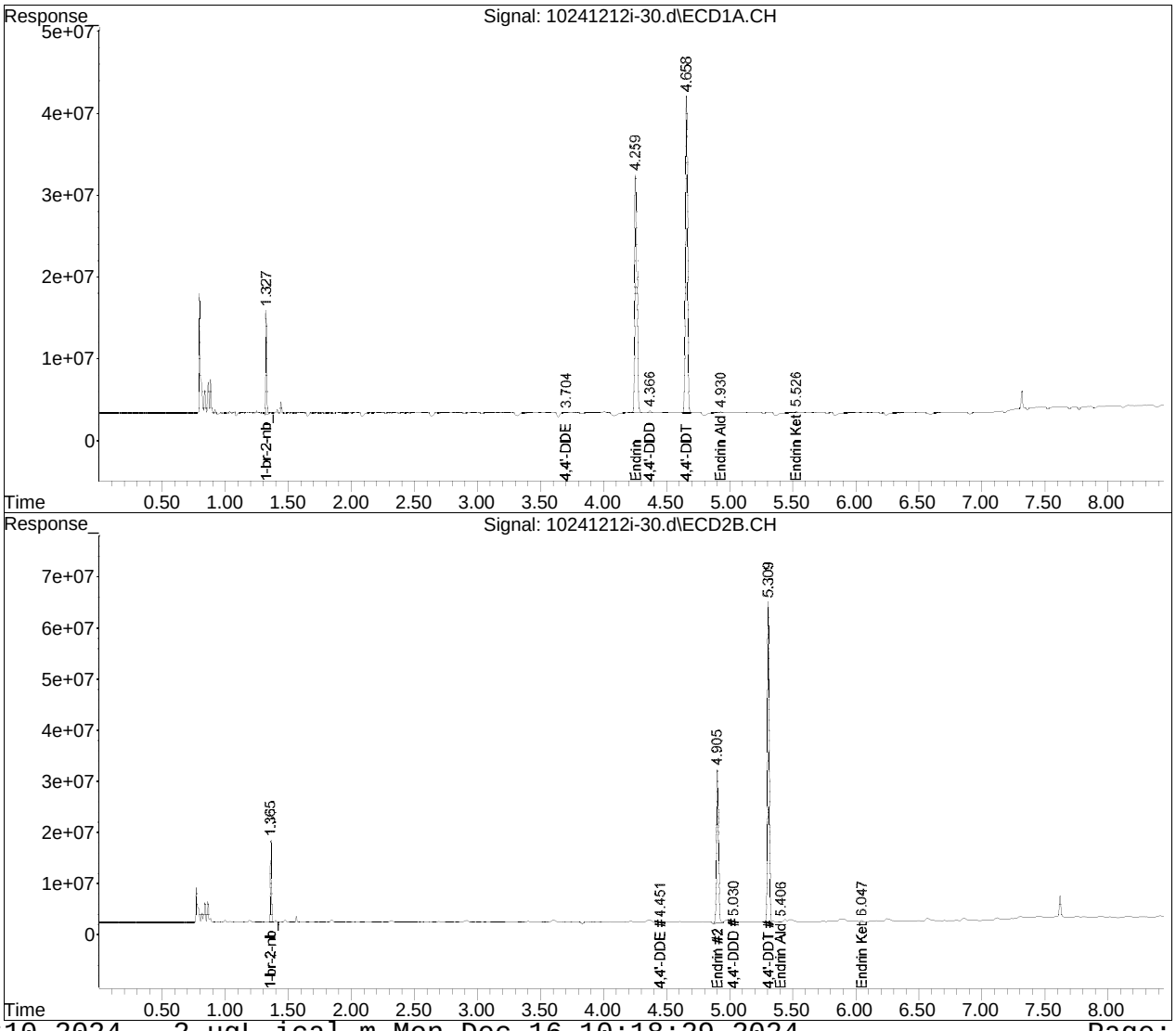
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : DEG - DDT/Endrin degradation checkiewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-30.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Dec 2024 16:00
Operator : PEST10:ejl
Sample : pem10241212-02,42e,,pp 11667 - (Sig #1); pem-02,42e,,pp 11667 - (S
Misc : WG2009688,ical
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 16:11:23 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 16:05:11 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

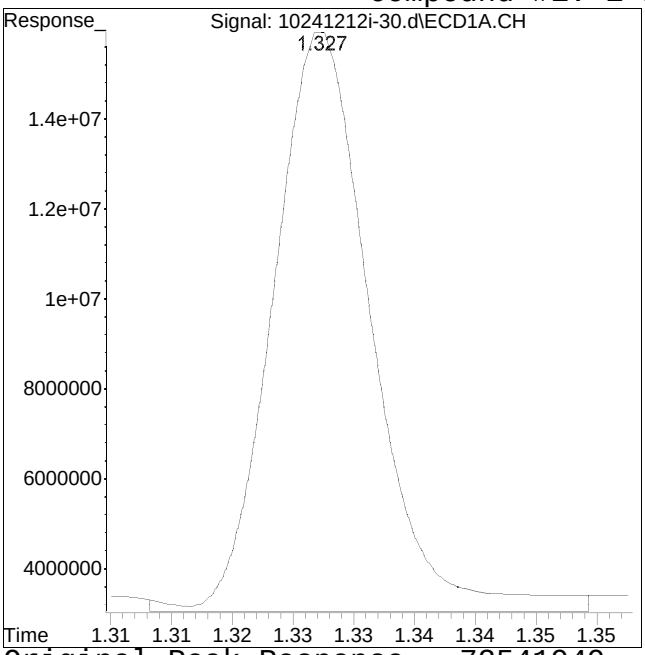
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

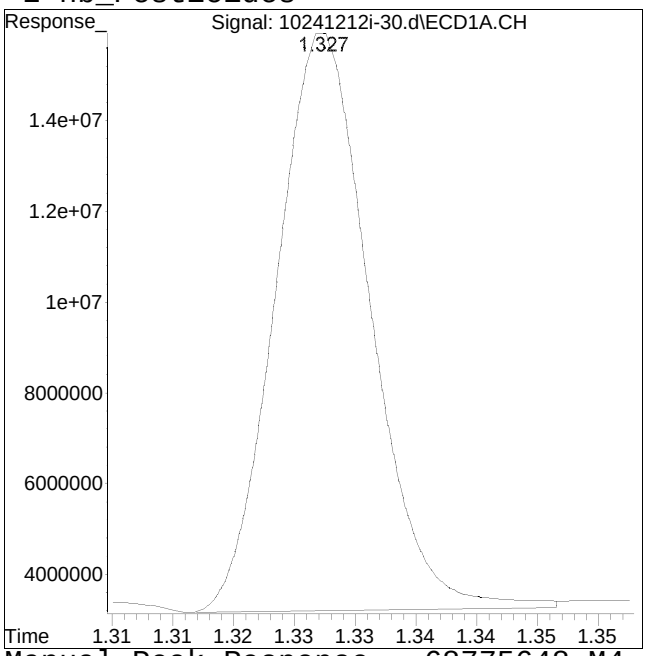


Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-30.d Operator : PEST10:ejl
Date Inj'd : 12/13/2024 16:00 Instrument : Pest 10
Sample : pem10241212-02,42e,,pp 116Quant Date : 12/13/2024 4:11 pm

Compound #1: 1-br-2-nb_Pesticides



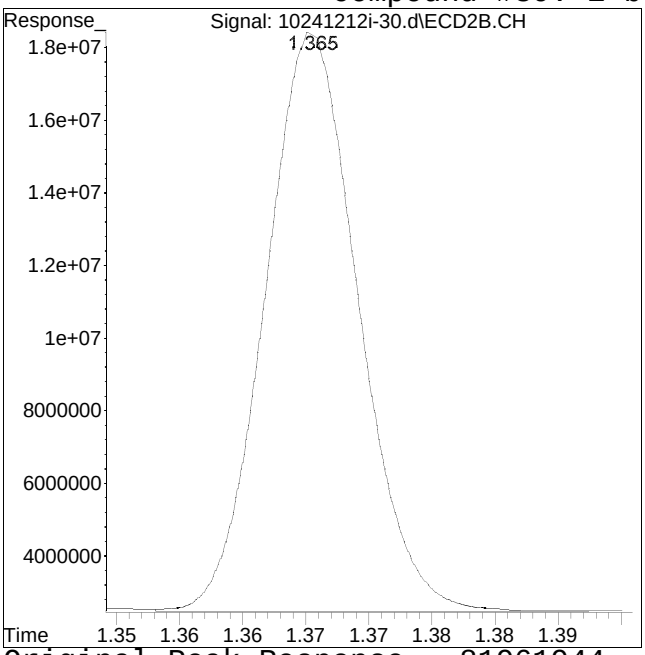


Original Peak Response = 72541949 Manual Peak Response = 68775648 M4
M4 = Poor automated baseline construction.

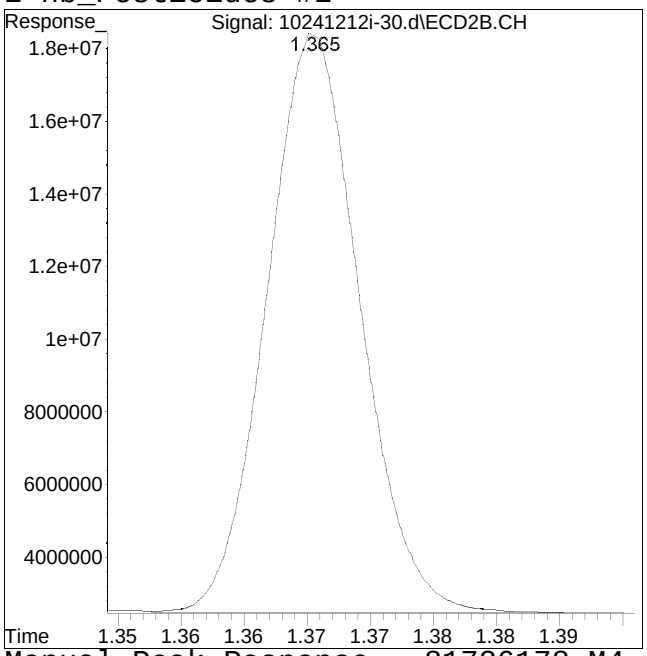
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-30.d Operator : PEST10:ejl
Date Inj'd : 12/13/2024 16:00 Instrument : Pest 10
Sample : pem10241212-02,42e,,pp 116Quant Date : 12/13/2024 4:11 pm

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 81961944



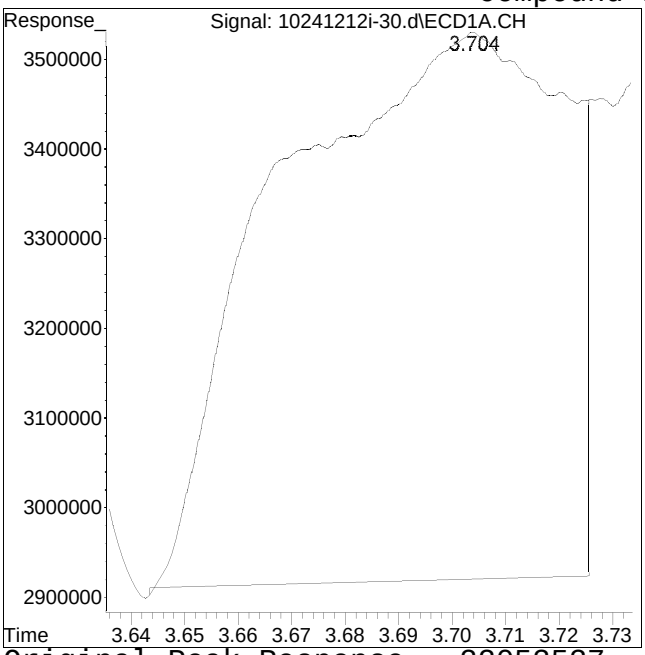
Manual Peak Response = 81726178 M4

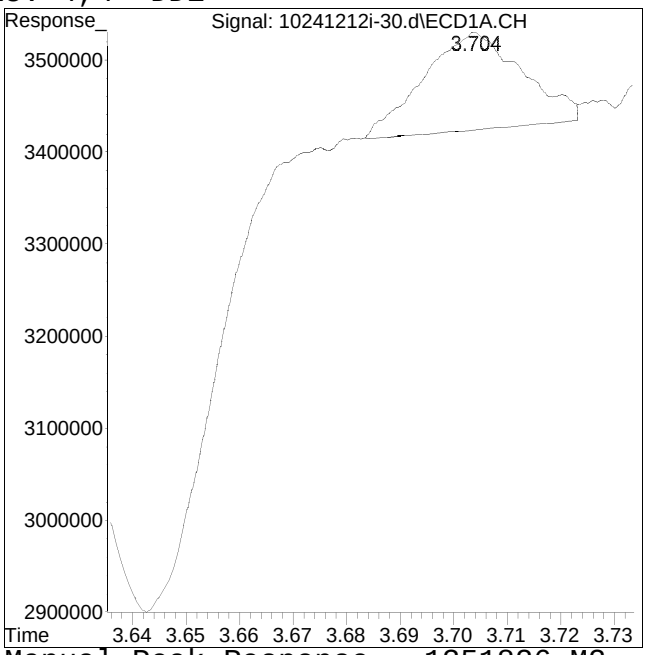
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-30.d Operator : PEST10:ejl
Date Inj'd : 12/13/2024 16:00 Instrument : Pest 10
Sample : pem10241212-02,42e,,pp 116Quant Date : 12/13/2024 4:11 pm

Compound #15: 4,4'-DDE



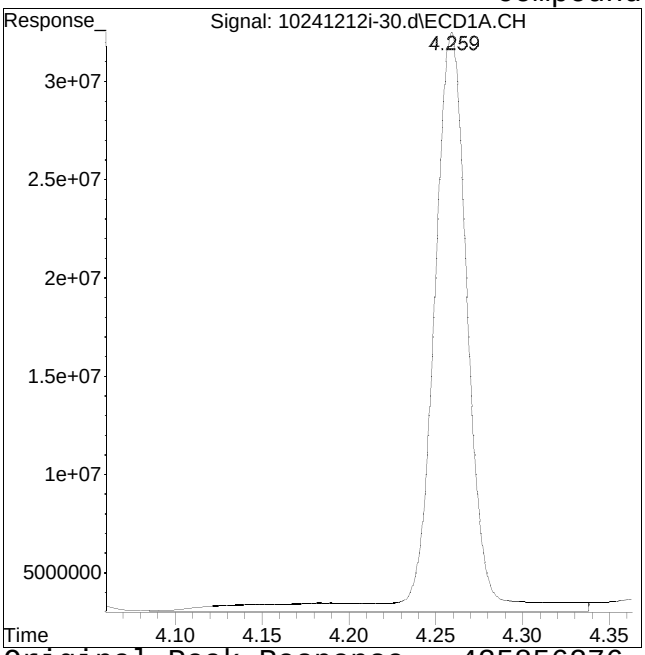


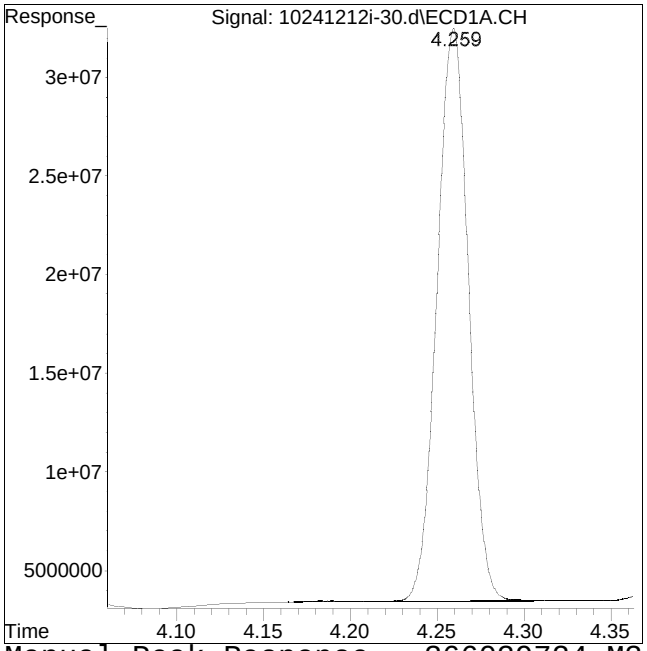
Original Peak Response = 22053537 Manual Peak Response = 1351826 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-30.d Operator : PEST10:ejl
Date Inj'd : 12/13/2024 16:00 Instrument : Pest 10
Sample : pem10241212-02,42e,,pp 116Quant Date : 12/13/2024 4:11 pm

Compound #18: Endrin



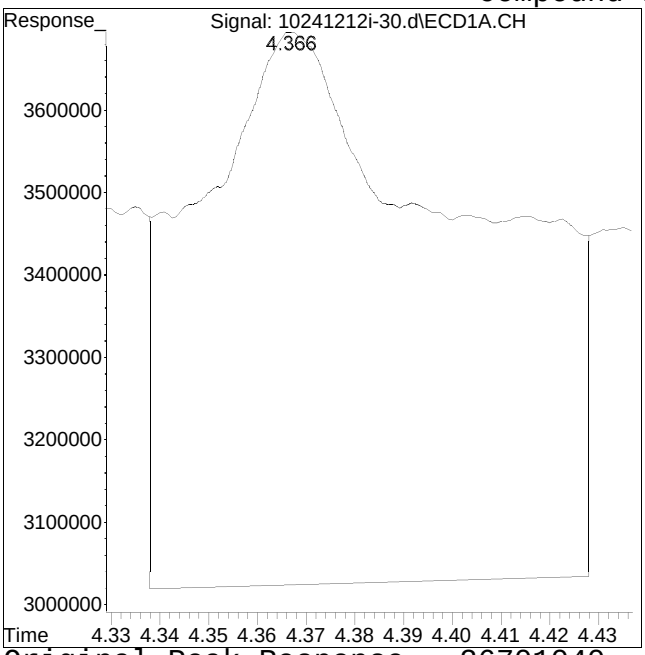


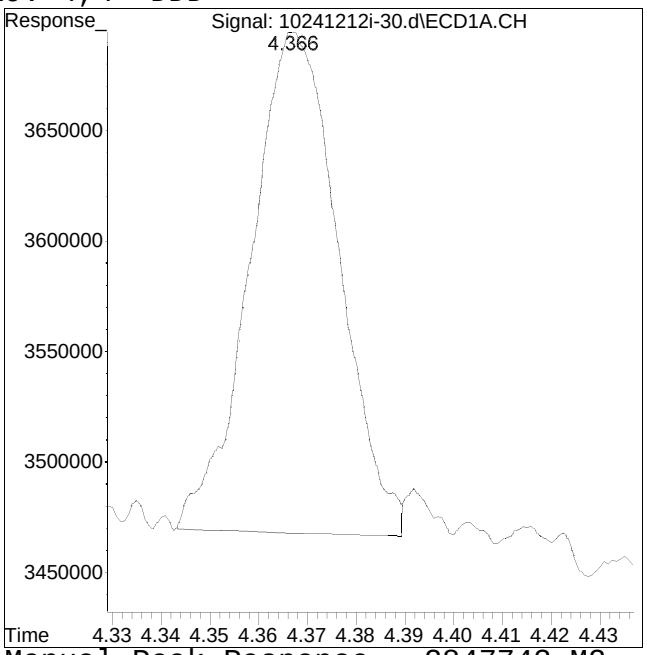
Original Peak Response = 425856276 Manual Peak Response = 366039724 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-30.d Operator : PEST10:ejl
Date Inj'd : 12/13/2024 16:00 Instrument : Pest 10
Sample : pem10241212-02,42e,,pp 116Quant Date : 12/13/2024 4:11 pm

Compound #19: 4,4'-DDD



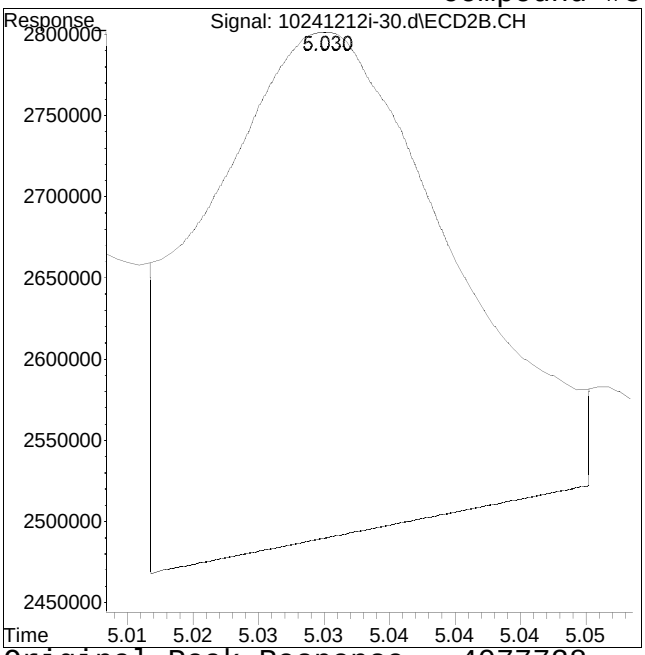


Original Peak Response = 26701040 Manual Peak Response = 2847743 M2
M2 = Peak not found by automatic integration algorithm.

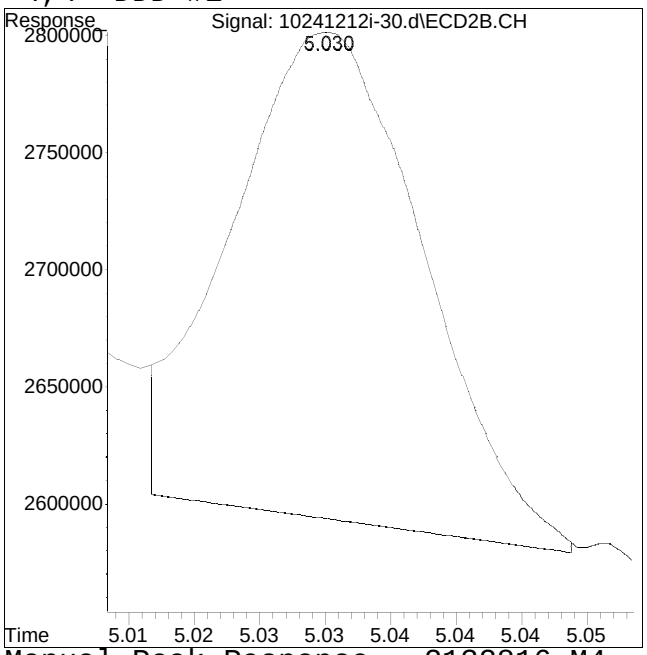
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-30.d Operator : PEST10:ejl
Date Inj'd : 12/13/2024 16:00 Instrument : Pest 10
Sample : pem10241212-02,42e,,pp 116Quant Date : 12/13/2024 4:11 pm

Compound #57: 4,4'-DDD #2



Original Peak Response = 4077728



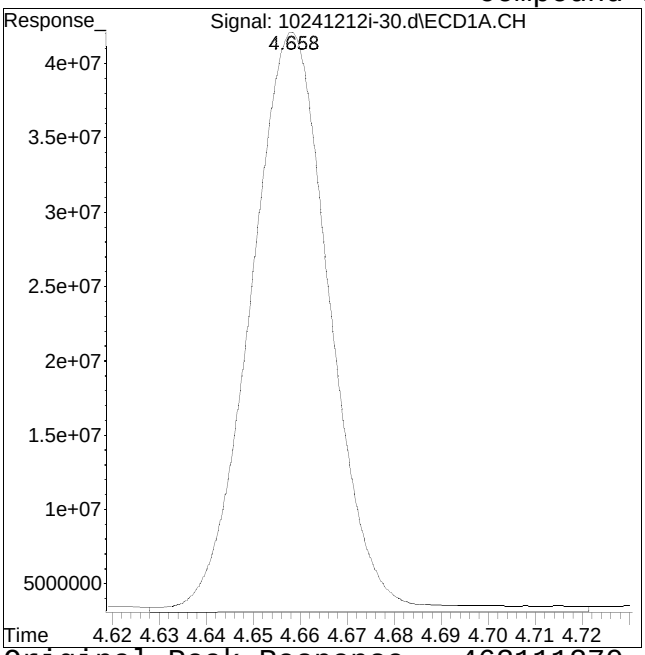
Manual Peak Response = 2132816 M4

M4 = Poor automated baseline construction.

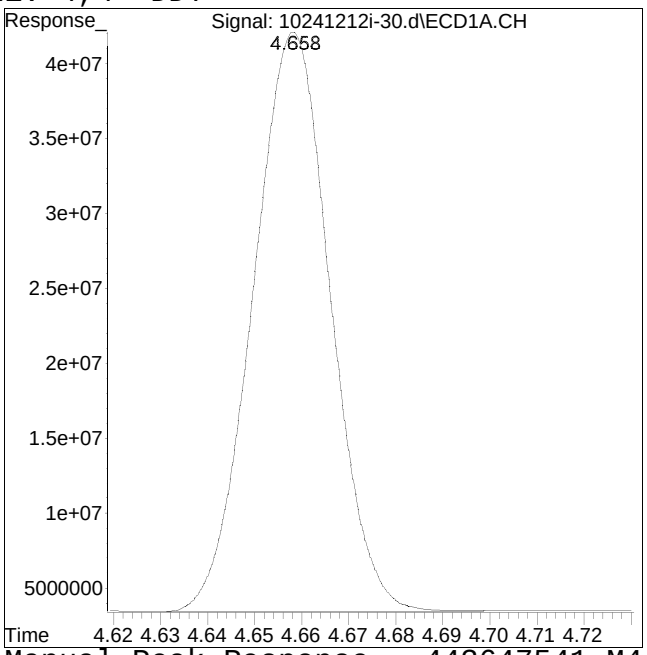
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-30.d Operator : PEST10:ejl
Date Inj'd : 12/13/2024 16:00 Instrument : Pest 10
Sample : pem10241212-02,42e,,pp 116Quant Date : 12/13/2024 4:11 pm

Compound #21: 4,4'-DDT



Original Peak Response = 463111270



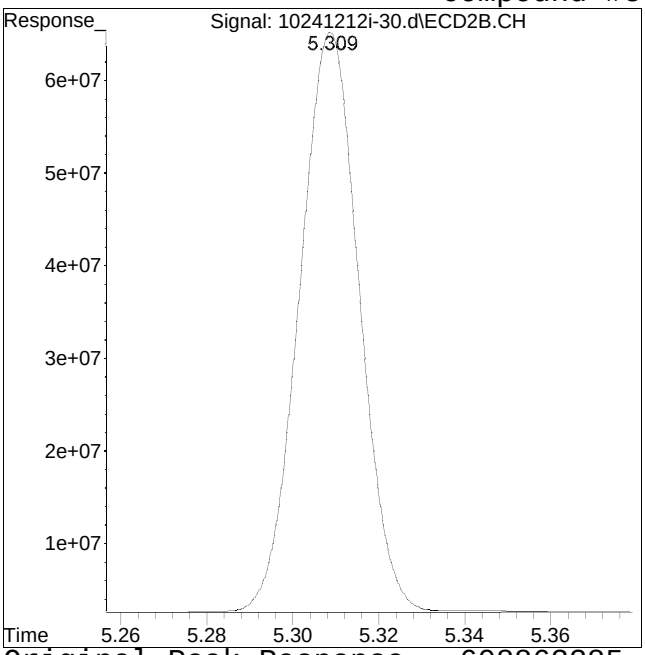
Manual Peak Response = 443647541 M4

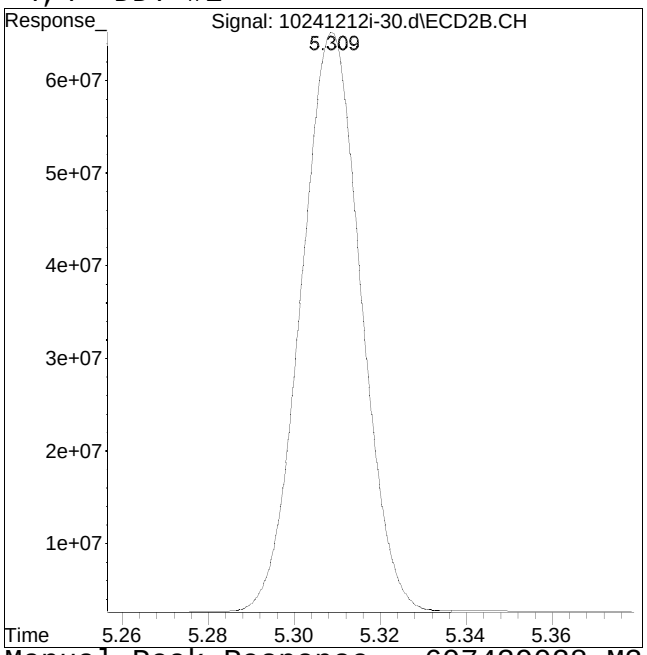
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-30.d Operator : PEST10:ejl
Date Inj'd : 12/13/2024 16:00 Instrument : Pest 10
Sample : pem10241212-02,42e,,pp 116Quant Date : 12/13/2024 4:11 pm

Compound #59: 4,4'-DDT #2



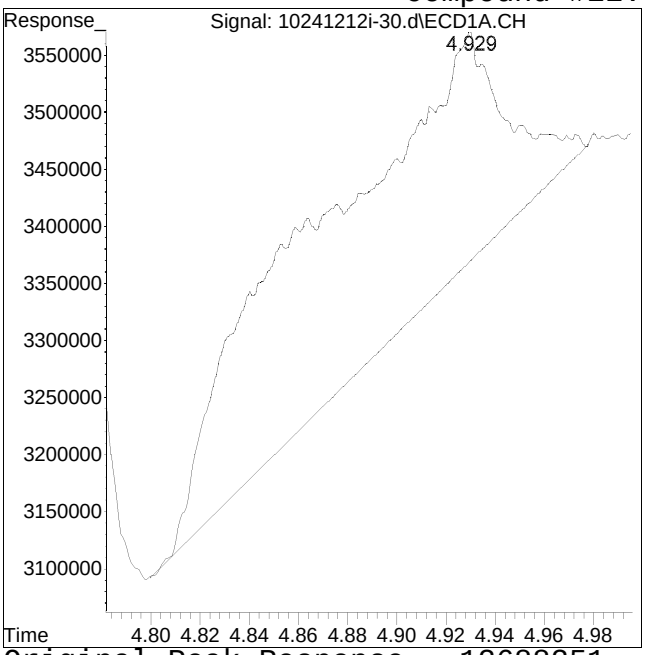


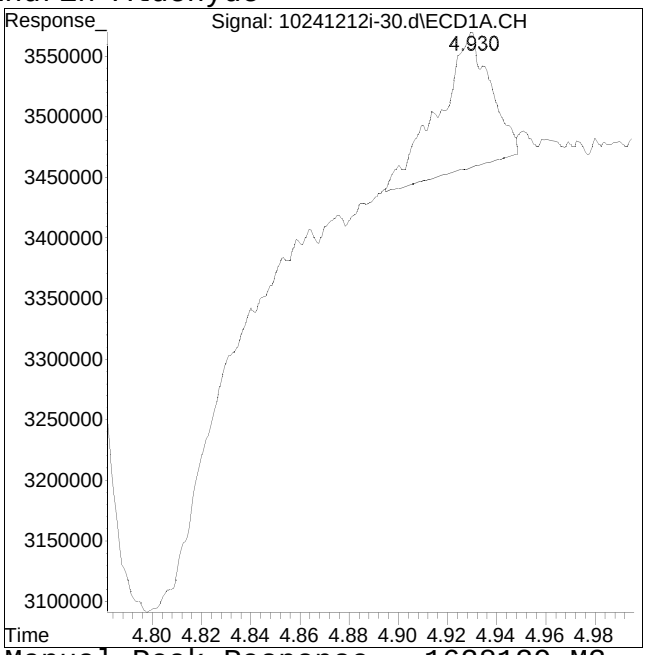
Original Peak Response = 608863385 Manual Peak Response = 607439028 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-30.d Operator : PEST10:ejl
Date Inj'd : 12/13/2024 16:00 Instrument : Pest 10
Sample : pem10241212-02,42e,,pp 116Quant Date : 12/13/2024 4:11 pm

Compound #22: Endrin Aldehyde



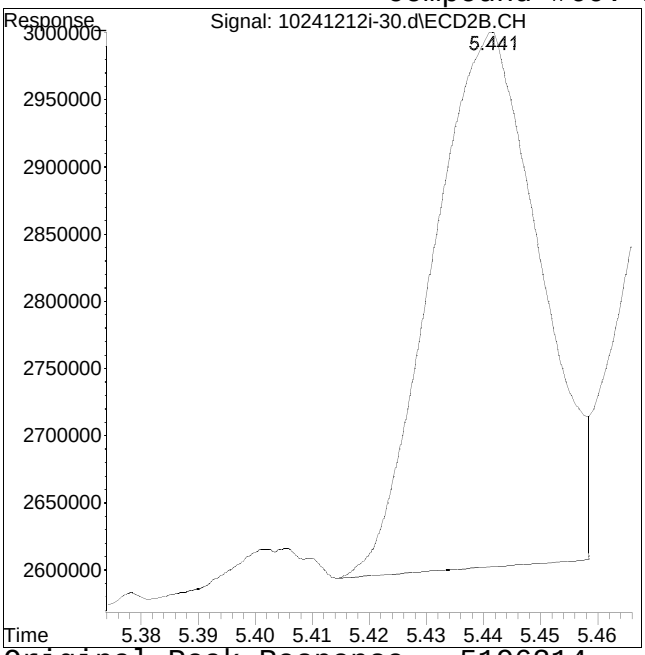


Original Peak Response = 12688251 Manual Peak Response = 1628129 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

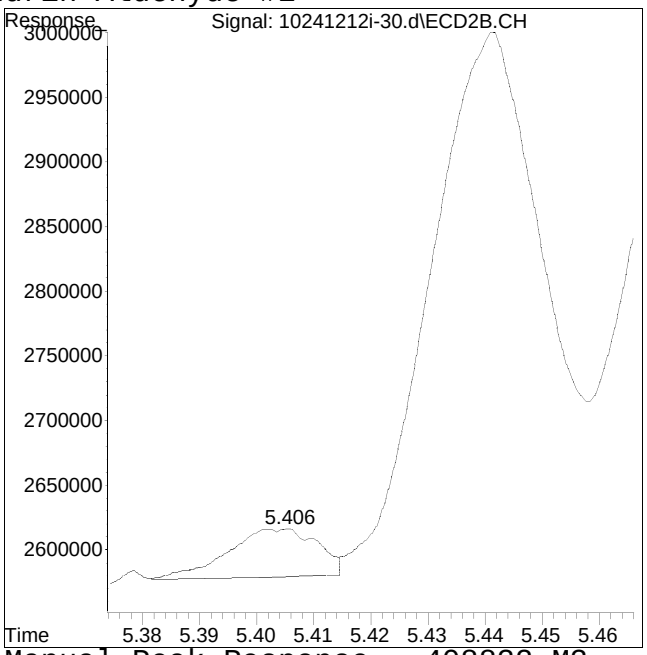
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-30.d Operator : PEST10:ejl
Date Inj'd : 12/13/2024 16:00 Instrument : Pest 10
Sample : pem10241212-02,42e,,pp 116Quant Date : 12/13/2024 4:11 pm

Compound #60: Endrin Aldehyde #2



Original Peak Response = 5196214



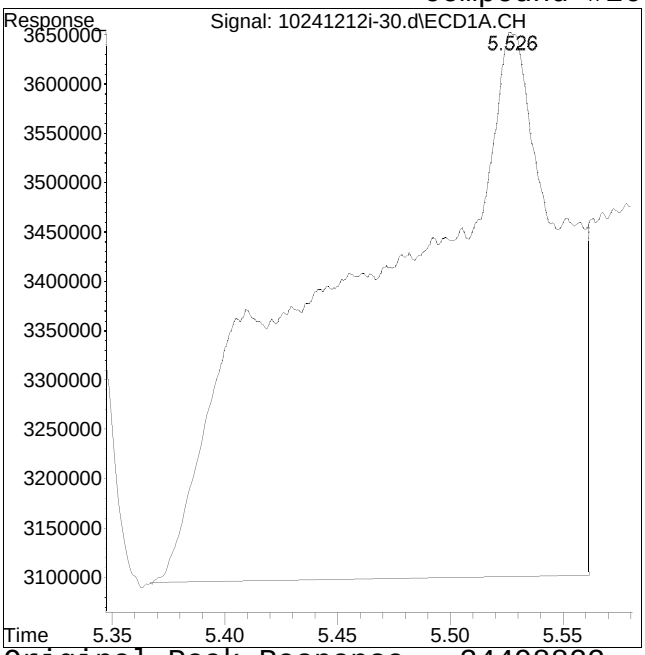
Manual Peak Response = 408832 M3

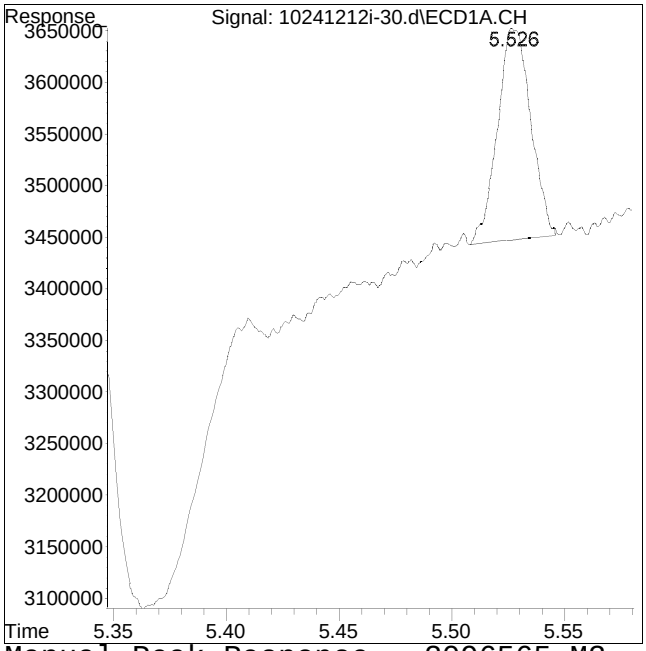
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-30.d Operator : PEST10:ejl
Date Inj'd : 12/13/2024 16:00 Instrument : Pest 10
Sample : pem10241212-02,42e,,pp 116Quant Date : 12/13/2024 4:11 pm

Compound #26: Endrin Ketone





Original Peak Response = 34498822 Manual Peak Response = 2096565 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-31.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Dec 2024 16:11
Operator : PEST10:ejl
Sample   : cicvpest,42e,,pp 11934 L0.05ICV
Misc   : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 31 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 16:22:07 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 16:22:07 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	108	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.885	1.721	8.7	106	0.00
3	t	Hexachlorobenzene		1.913	1.796	6.1	107	0.00
4	t	alpha-BHC		1.862	1.842	1.1	110	0.00
5	t	gamma-BHC (lindane)		1.826	1.567	14.2	107	0.00
6	t	beta-BHC	*	50.000	54.542	-9.1	107	0.00
7	t	delta-BHC		1.752	1.675	4.4	109	0.00
8	t	Heptachlor		1.573	1.423	9.5	109	0.00
9	t	Aldrin		1.839	1.772	3.6	109	0.00
10	t	Alachlor		0.232	0.228	1.7	109	0.00
11	t	Chlorpyrifos		0.768	0.679	11.6	108	0.00
12	t	Heptachlor Epoxide		1.680	1.546	8.0	110	0.00
13	t	gamma-Chlordane (trans)		1.573	1.604	-2.0	119	0.00
14	t	alpha-Chlordane (cis)	*	50.000	54.025	-8.0	104	0.00
15	t	4,4'-DDE		1.911	1.711	10.5	101	0.00
16	t	Endosulfan I		1.681	1.498	10.9	107	0.00
17	t	Dieldrin		1.705	1.685	1.2	114	0.00
18	t	Endrin		1.592	1.476	7.3	107	0.00
19	t	4,4'-DDD		1.191	1.124	5.6	109	0.00
20	t	Endosulfan II		1.465	1.399	4.5	109	0.00
21	t	4,4'-DDT		1.130	1.056	6.5	105	0.00
22	t	Endrin Aldehyde		1.264	1.098	13.1	99	0.00
23	t	Methoxychlor	*	50.000	53.007	-6.0	107	0.00
24	t	Mirex	*	50.000	51.336	-2.7	103	0.00
25	t	Endosulfan Sulfate		1.465	1.308	10.7	109	0.00
26	t	Endrin Ketone		1.441	1.382	4.1	113	0.00
27	s	Decachlorobiphenyl	*	50.000	50.385	-0.8	100	0.00

Signal #2

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-31.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Dec 2024 16:11
Operator : PEST10:ejl
Sample   : cicvpest,42e,,pp 11934 L0.05ICV
Misc   : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 31 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 16:22:07 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 16:22:07 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	106	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl		1.353	1.346	0.5	108	0.00
3	t	Hexachlorobenzene		1.474	1.472	0.1	110	0.00
4	t	alpha-BHC		1.765	1.880	-6.5	109	0.00
5	t	gamma-BHC (lindane)		1.651	1.663	-0.7	107	0.00
6	t	beta-BHC		0.753	0.707	6.1	106	0.00
7	t	delta-BHC		1.657	1.718	-3.7	107	0.00
8	t	Heptachlor		1.607	1.614	-0.4	108	0.00
9	t	Aldrin		1.709	1.792	-4.9	109	0.00
10	t	Alachlor		0.223	0.217	2.7	105	0.00
11	t	Chlorpyrifos		0.831	0.765	7.9	107	0.00
12	t	Heptachlor Epoxide		1.611	1.604	0.4	108	0.00
13	t	gamma-Chlordane (trans)		1.492	1.649	-10.5	120	0.00
14	t	alpha-Chlordane (cis)		1.690	1.663	1.6	105	0.00
15	t	4,4'-DDE		1.690	1.679	0.7	102	0.00
16	t	Endosulfan I		1.548	1.520	1.8	105	0.00
17	t	Dieldrin		1.593	1.732	-8.7	114	0.00
18	t	Endrin		1.571	1.574	-0.2	105	0.00
19	t	4,4'-DDD		1.240	1.274	-2.7	108	0.00
20	t	Endosulfan II		1.422	1.426	-0.3	107	0.00
21	t	4,4'-DDT		1.339	1.289	3.7	102	0.00
22	t	Endrin Aldehyde		1.202	1.101	8.4	98	0.00
23	t	Methoxychlor		0.741	0.712	3.9	107	0.00
24	t	Mirex		1.292	1.154	10.7	102	0.00
25	t	Endosulfan Sulfate		1.360	1.330	2.2	109	0.00
26	t	Endrin Ketone		1.515	1.555	-2.6	111	0.00
27	s	Decachlorobiphenyl	*	50.000	45.920	8.2	94	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-31.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Dec 2024 16:11
Operator : PEST10:ejl
Sample   : cicvpest,42e,,pp 11934 L0.05ICV
Misc   : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 31 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 16:22:07 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 16:22:07 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.33#
29	l1	chlordane-1		*1000.000	0.000	100.0#	0	-2.48#
30	l1	chlordane-3		*1000.000	0.000	100.0#	0	-2.90#
31	l1	chlordane-4		*1000.000	0.000	100.0#	0	-3.46#
32	l1	chlordane-5		*1000.000	0.000	100.0#	0	-3.59#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.33#
34	l2	toxaphene-1		*2000.000	0.000	100.0#	0	-4.48#
35	l2	toxaphene-2		*2000.000	0.000	100.0#	0	-4.60#
36	l2	toxaphene-4		*2000.000	0.000	100.0#	0	-5.02#
37	l2	toxaphene-5		*2000.000	0.000	100.0#	0	-5.20#

Signal #2

28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.37#
29	l1	chlordane-1		*1000.000	0.000	100.0#	0	-2.79#
30	l1	chlordane-3		*1000.000	0.000	100.0#	0	-3.40#
31	l1	chlordane-4		*1000.000	0.000	100.0#	0	-4.08#
32	l1	chlordane-5		*1000.000	0.000	100.0#	0	-4.25#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.37#
34	l2	toxaphene-1		*2000.000	0.000	100.0#	0	-5.06#
35	l2	toxaphene-2		*2000.000	0.000	100.0#	0	-5.09#
36	l2	toxaphene-4		*2000.000	0.000	100.0#	0	-5.41#
37	l2	toxaphene-5		*2000.000	0.000	100.0#	0	-5.82#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-31.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Dec 2024 16:11
Operator : PEST10:ejl
Sample : cicvpest,42e,,pp 11934 L0.05ICV
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 16:22:07 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 16:22:07 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.326	1.366	86783320	79444726	25.000M4	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.674	1.838	298.6E6	213.9E6	45.640	49.753
	Spiked Amount 50.000	Range 30 - 150		Recovery =		91.28%	99.51%
27) s	Decachlorobi	6.324	6.905	250.4E6	198.7E6	50.385	45.920M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		100.77%	91.84%
	Target Compounds						
3) t	Hexachlorobe	1.889	2.155	311.6E6	233.9E6	46.921	49.934
4) t	alpha-BHC	1.988	2.250	319.6E6	298.8E6	49.448	53.254
5) t	gamma-BHC (l	2.193	2.534	272.0E6	264.2E6	42.898	50.343
6) t	beta-BHC	2.249	2.598	122.8E6	112.3E6	54.542	46.929
7) t	delta-BHC	2.379	2.864	290.8E6	273.0E6	47.798	51.844
8) t	Heptachlor	2.544	2.928	247.0E6	256.5E6	45.230	50.229
9) t	Aldrin	2.789	3.246	307.5E6	284.8E6	48.183	52.440
10) t	Alachlor	2.909	3.129	39584912	34435605	49.189	48.544
11) t	Chlorpyrifos	3.002	3.482	117.8E6	121.6E6	44.188	46.062
12) t	Heptachlor E	3.338	3.858	268.3E6	254.9E6	45.997	49.805
13) t	gamma-Chlord	3.463	4.078	278.4E6	262.0E6	50.988M3	55.250
14) t	alpha-Chlord	3.599	4.250	284.8E6	264.3E6	54.025	49.212
15) t	4,4'-DDE	3.697	4.450	296.9E6	266.7E6	44.762	49.659
16) t	Endosulfan I	3.737	4.311	260.0E6	241.5E6	44.566	49.108
17) t	Dieldrin	3.999	4.606	292.4E6	275.2E6	49.402	54.379
18) t	Endrin	4.253	4.904	256.3E6	250.1E6	46.368	50.098
19) t	4,4'-DDD	4.361	5.029	195.2E6	202.4E6	47.188	51.391
20) t	Endosulfan I	4.491	5.105	242.8E6	226.6E6	47.741	50.145

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-31.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Dec 2024 16:11
Operator : PEST10:ejl
Sample : cicvpest,42e,,pp 11934 L0.05ICV
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 16:22:07 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 16:22:07 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
21) t	4,4'-DDT	4.652	5.308	183.2E6	204.8E6	46.721	48.125
22) t	Endrin Aldeh	4.906	5.403	190.6E6	175.0E6	43.428M3	45.827
23) t	Methoxychlor	5.138	5.876	97282816	113.2E6	53.007	48.058M4
24) t	Mirex	5.197	6.010	188.0E6	183.4E6	51.336	44.645
25) t	Endosulfan S	5.297	5.632	227.0E6	211.4E6	44.646M3	48.896M4
26) t	Endrin Keton	5.524	6.046	239.9E6	247.0E6	47.978	51.294M4
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-31.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Dec 2024 16:11
Operator : PEST10:ejl
Sample : cicvpest,42e,,pp 11934 L0.05ICV
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 16:22:07 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 16:22:07 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

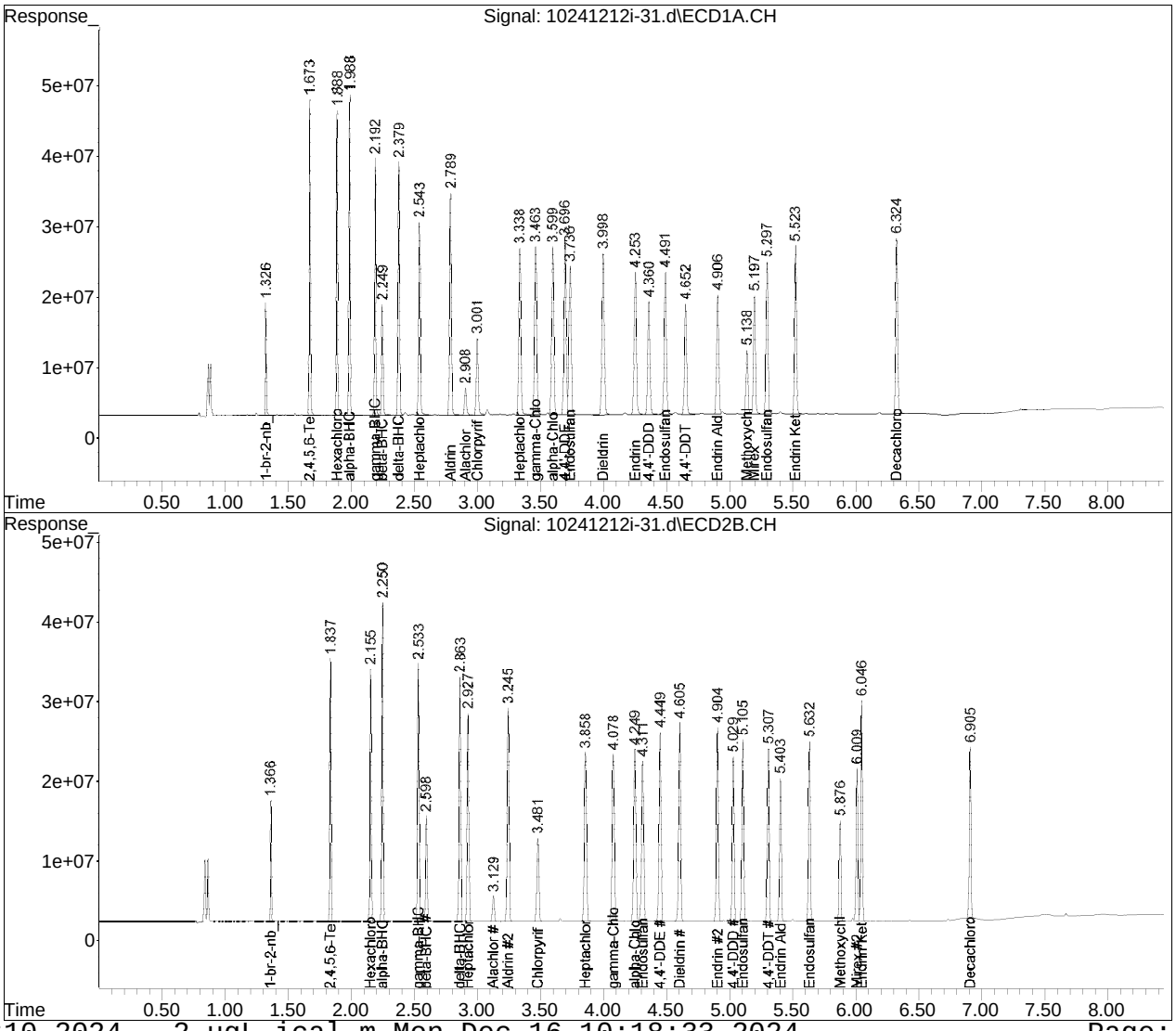
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2024\241212ICAL\
Data File : 10241212i-31.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Dec 2024 16:11
Operator : PEST10:ejl
Sample : cicvpest,42e,,pp 11934 L0.05ICV
Misc : WG2009688,ical (Sig #1); ical (Sig #2)
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 16:22:07 2024
Quant Method : I:\PEST\Pest10\2024\241212ICAL\pest10_2024_12_12_ugL_ical.m
Quant Title : pest
QLast Update : Fri Dec 13 16:22:07 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

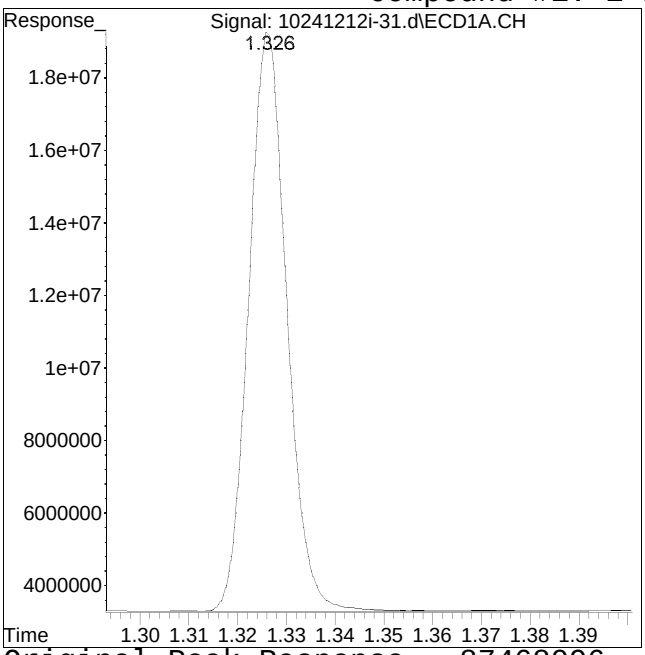
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



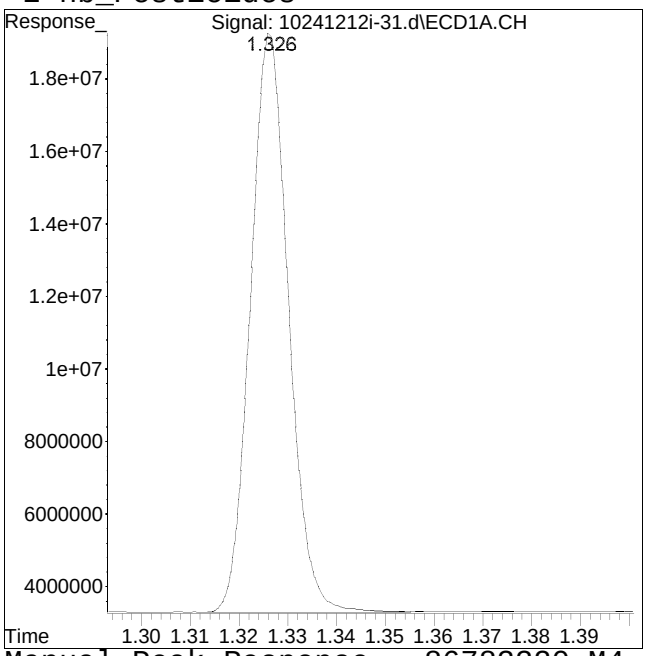
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212Q
Data File : 10241212i-31.d
Date Inj'd : 12/13/2024 16:11
Sample : cicvpest,42e,,pp 11934 L0.
Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:ejl
Instrument : Pest 10
Quant Date : 12/13/2024 4:22 pm

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 87468096



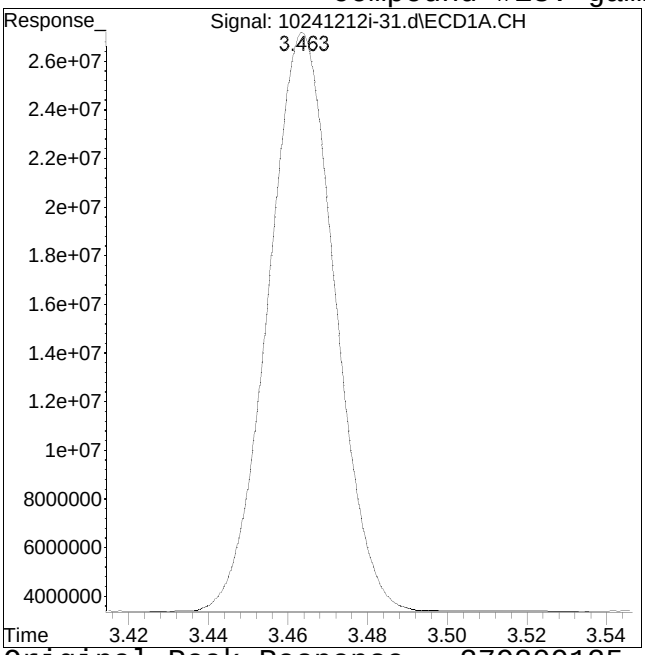
Manual Peak Response = 86783320 M4

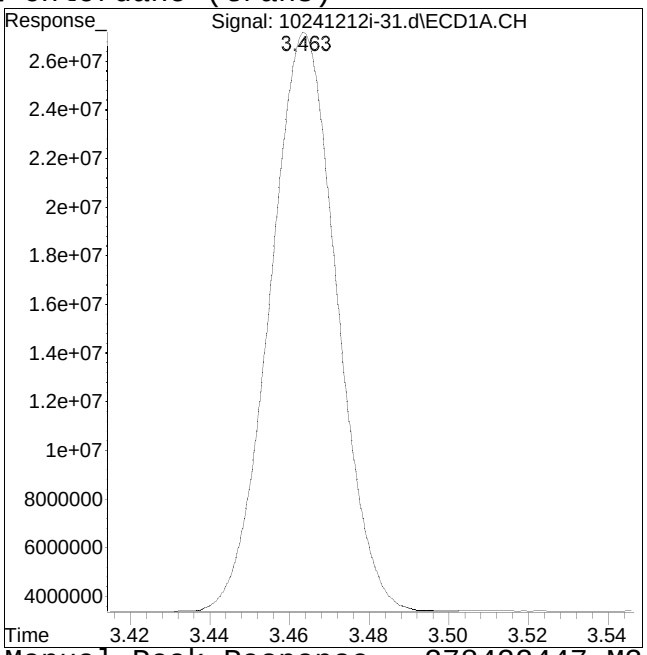
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-31.d Operator : PEST10:ejl
Date Inj'd : 12/13/2024 16:11 Instrument : Pest 10
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 12/13/2024 4:22 pm

Compound #13: gamma-Chlordane (trans)



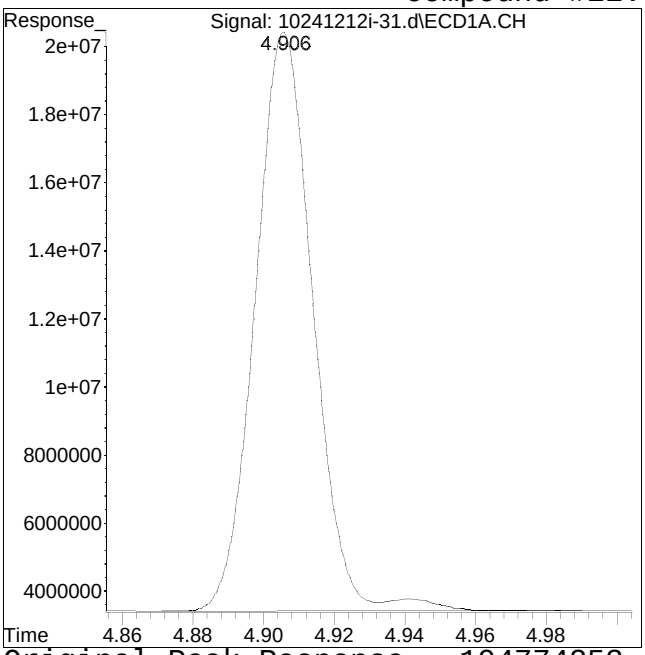


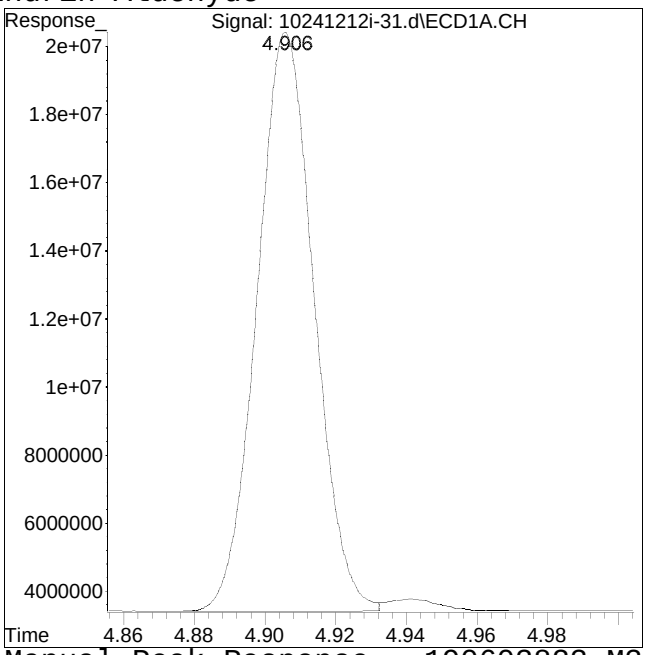
Original Peak Response = 279309125 Manual Peak Response = 278422447 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-31.d Operator : PEST10:ejl
Date Inj'd : 12/13/2024 16:11 Instrument : Pest 10
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 12/13/2024 4:22 pm

Compound #22: Endrin Aldehyde



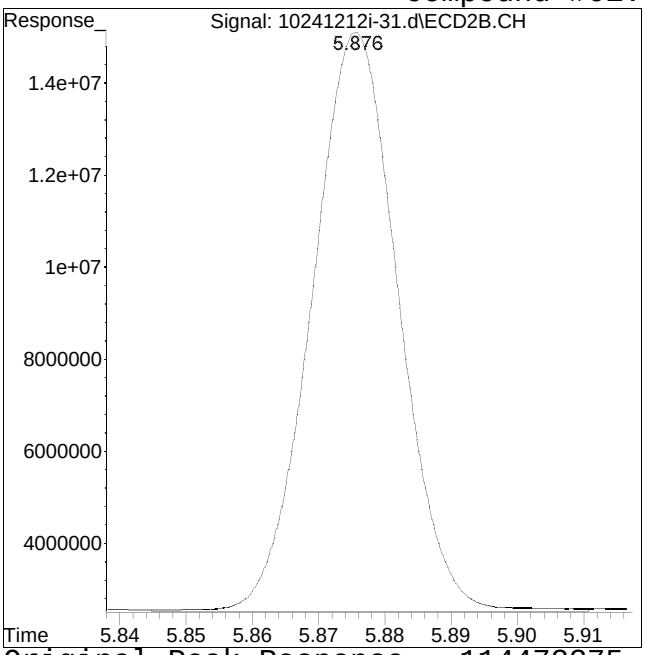


Original Peak Response = 194774253 Manual Peak Response = 190603823 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

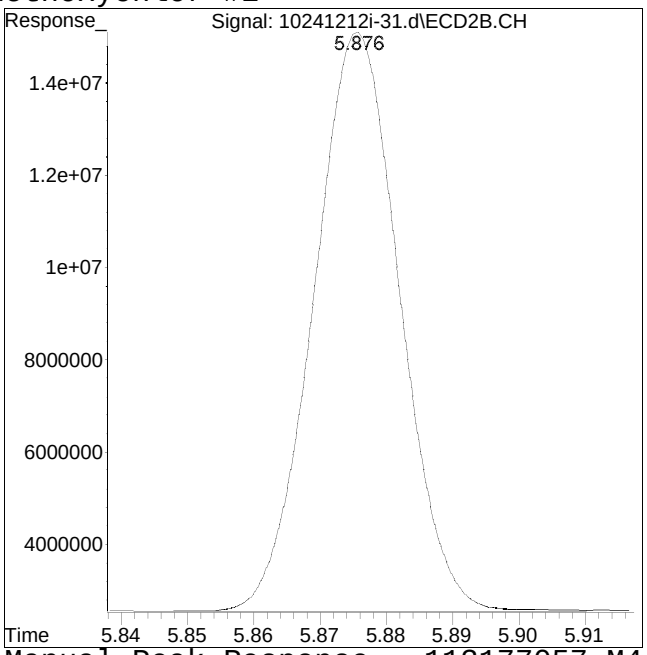
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-31.d Operator : PEST10:ejl
Date Inj'd : 12/13/2024 16:11 Instrument : Pest 10
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 12/13/2024 4:22 pm

Compound #61: Methoxychlor #2



Original Peak Response = 114472375



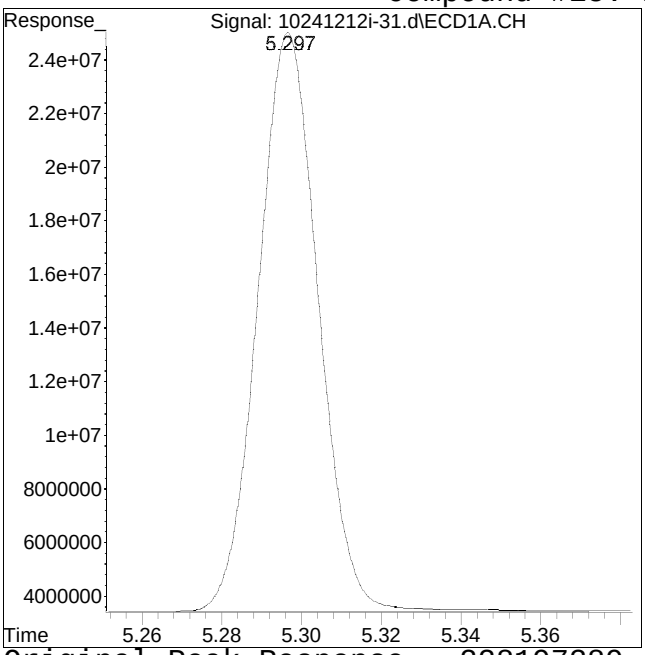
Manual Peak Response = 113177057 M4

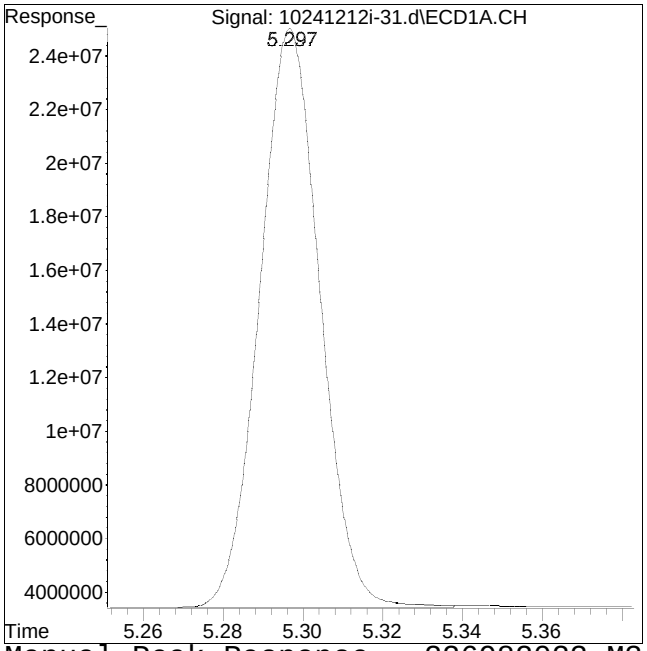
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-31.d Operator : PEST10:ejl
Date Inj'd : 12/13/2024 16:11 Instrument : Pest 10
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 12/13/2024 4:22 pm

Compound #25: Endosulfan Sulfate



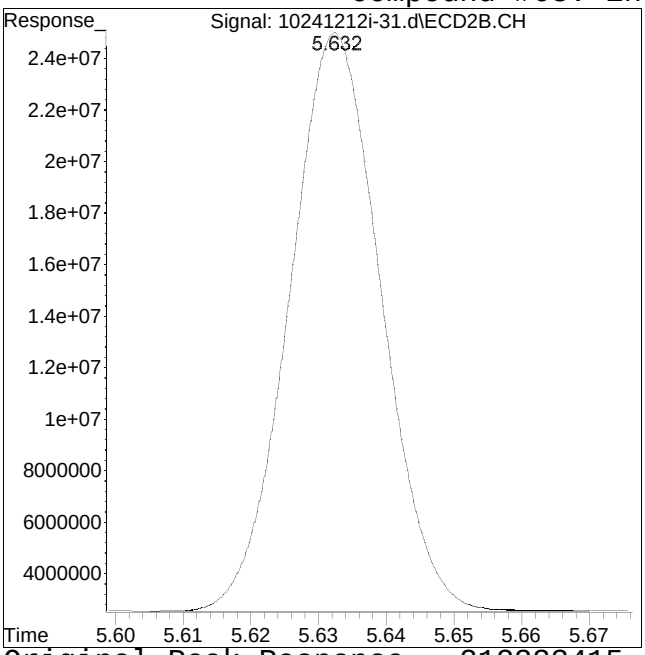


Original Peak Response = 228197389 Manual Peak Response = 226982023 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

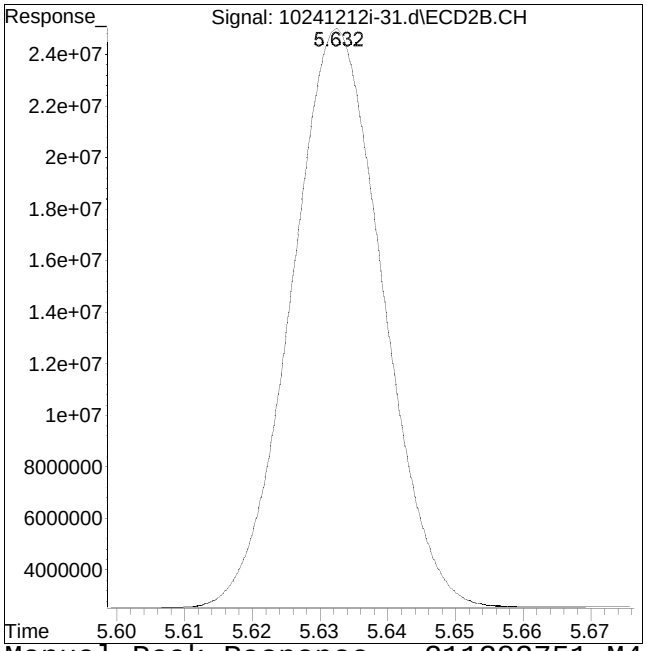
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-31.d Operator : PEST10:ejl
Date Inj'd : 12/13/2024 16:11 Instrument : Pest 10
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 12/13/2024 4:22 pm

Compound #63: Endosulfan Sulfate #2



Original Peak Response = 212333415



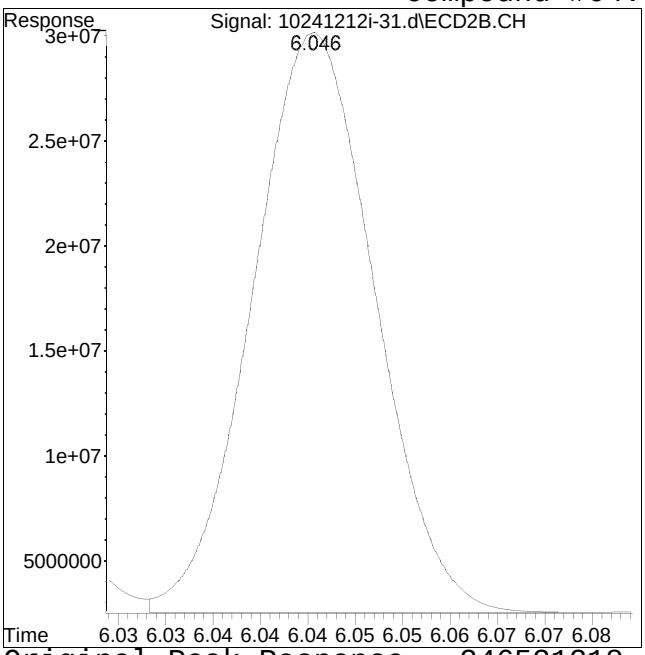
Manual Peak Response = 211383751 M4

M4 = Poor automated baseline construction.

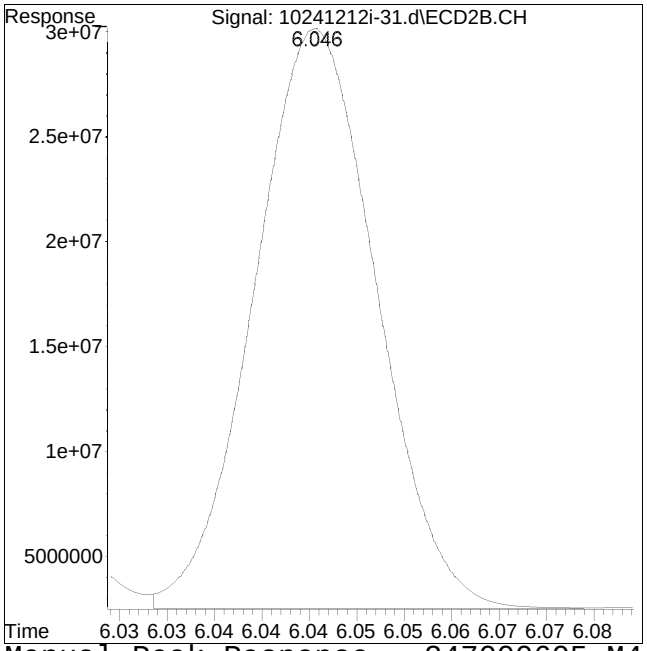
Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-31.d Operator : PEST10:ejl
Date Inj'd : 12/13/2024 16:11 Instrument : Pest 10
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 12/13/2024 4:22 pm

Compound #64: Endrin Ketone #2



Original Peak Response = 246531218



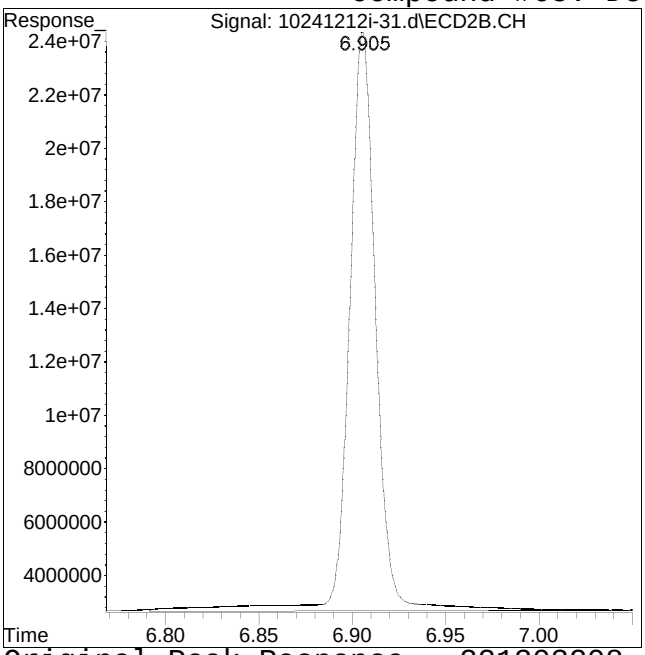
Manual Peak Response = 247000605 M4

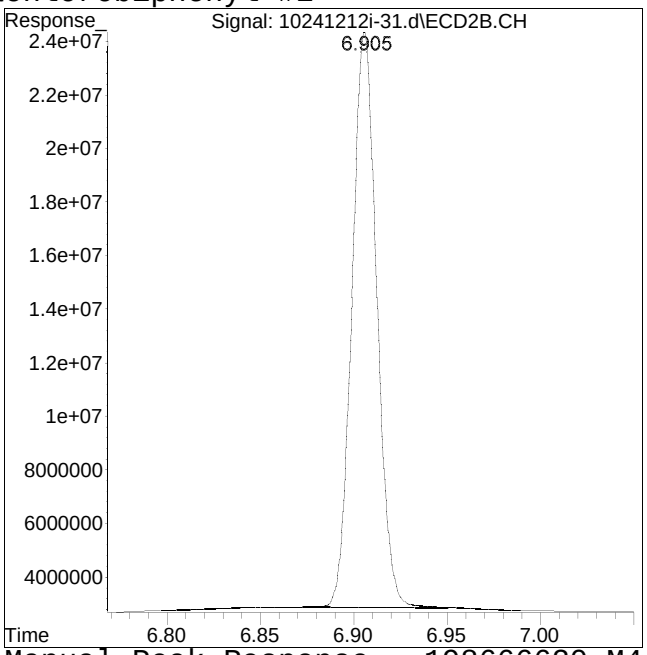
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2024\241212QMethod : pest10_2024_12_12_ugL_ic
Data File : 10241212i-31.d Operator : PEST10:ejl
Date Inj'd : 12/13/2024 16:11 Instrument : Pest 10
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 12/13/2024 4:22 pm

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 221303208 Manual Peak Response = 198666620 M4
M4 = Poor automated baseline construction.

Evaluate Relative Error Report Pest 10

Method Path : I:\PEST\Pest10\2024\241212ICAL\
Method File : pest10_2024_12_12_ugL_ical.m
Title : pest
Last Update : Fri Dec 13 16:21:42 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
6	T beta-BHC	L	ug/l	50.0	54.344	8.7	2.00	1.488	-25.6
14	T alpha-Chlordane (cis)	L	ug/l	50.0	55.405	10.8	2.00	1.475	-26.2
23	T Methoxychlor	L	ug/l	50.0	52.854	5.7	3.00	2.686	-10.5
24	T Mirex	L	ug/l	50.0	53.249	6.5	2.00	1.587	-20.7
27	S Decachlorobiphenyl	L	ug/l	50.0	53.937	7.9	2.00	1.609	-19.6
29	L1 chlordane-1	L	ug/l	1000.0	996.523	-0.3	10.00	8.341	-16.6
30	L1 chlordane-3	L	ug/l	1000.0	1002.191	0.2	10.00	6.874	-31.3
31	L1 chlordane-4	L	ug/l	1000.0	1018.820	1.9	10.00	8.147	-18.5
32	L1 chlordane-5	L	ug/l	1000.0	1024.195	2.4	10.00	7.455	-25.4
34	L2 toxaphene-1	L	ug/l	2000.0	2108.032	5.4	20.00	14.966	-25.2
35	L2 toxaphene-2	L	ug/l	2000.0	2101.237	5.1	20.00	15.863	-20.7
36	L2 toxaphene-4	L	ug/l	2000.0	2092.045	4.6	20.00	14.179	-29.1
37	L2 toxaphene-5	L	ug/l	2000.0	2110.601	5.5	20.00	13.903	-30.5
65	S Decachlorobiphenyl #2	L	ug/l	50.0	52.103	4.2	2.00	1.749	-12.5
67	L1 chlordane-1 #2	L	ug/l	1000.0	1002.242	0.2	10.00	10.064	0.6
68	L1 chlordane-3 #2	L	ug/l	1000.0	1016.051	1.6	10.00	8.455	-15.4
69	L1 chlordane-4 #2	L	ug/l	1000.0	1014.587	1.5	10.00	10.530	5.3
70	L1 chlordane-5 #2	L	ug/l	1000.0	1011.805	1.2	10.00	10.154	1.5
72	L2 toxaphene-1 #2	L	ug/l	2000.0	2001.336	0.1	20.00	20.429	2.1
73	L2 toxaphene-2 #2	L	ug/l	2000.0	2025.098	1.3	20.00	20.248	1.2
74	L2 toxaphene-4 #2	L	ug/l	2000.0	2021.580	1.1	20.00	20.575	2.9
75	L2 toxaphene-5 #2	L	ug/l	2000.0	2018.899	0.9	20.00	20.413	2.1

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
6	T beta-BHC	Linear	0.997209	0.000000	0.629967	0.0405282
14	T alpha-Chlordane (cis)	Linear	0.996340	0.000000	1.48063	0.0816971
23	T Methoxychlor	Linear	0.998269	0.000000	0.513111	0.0330486
24	T Mirex	Linear	0.997739	0.000000	1.0281	0.0546552
27	S Decachlorobiphenyl	Linear	0.996565	0.000000	1.39237	0.078936
29	L1 chlordane-1	Linear	0.999509	0.000000	0.0531505	0.017414
30	L1 chlordane-3	Linear	0.997910	0.000000	0.057587	0.0262366
31	L1 chlordane-4	Linear	0.998616	0.000000	0.202248	0.0719454
32	L1 chlordane-5	Linear	0.998104	0.000000	0.304184	0.119814
34	L2 toxaphene-1	Linear	0.995005	0.000000	0.0633451	0.0509898
35	L2 toxaphene-2	Linear	0.995699	0.000000	0.0485965	0.0271145
36	L2 toxaphene-4	Linear	0.995494	0.000000	0.0358185	0.0255458
37	L2 toxaphene-5	Linear	0.994714	0.000000	0.0407986	0.0350356
65	S Decachlorobiphenyl #2	Linear	0.999210	0.000000	1.3357	0.0472931
67	L1 chlordane-1 #2	Linear	0.999792	0.000000	0.0464513	0.0064681
68	L1 chlordane-3 #2	Linear	0.999268	0.000000	0.0533802	0.0158973
69	L1 chlordane-4 #2	Linear	0.999880	0.000000	0.195664	0.0237335
70	L1 chlordane-5 #2	Linear	0.999911	0.000000	0.155769	0.0221079
72	L2 toxaphene-1 #2	Linear	0.999924	0.000000	0.0286427	-0.00107288
73	L2 toxaphene-2 #2	Linear	0.999908	0.000000	0.0422438	0.00461231
74	L2 toxaphene-4 #2	Linear	0.999922	0.000000	0.0511328	0.00162114
75	L2 toxaphene-5 #2	Linear	0.999939	0.000000	0.046391	0.0169819

Response Factor Report PEST 20

Method Path : I:\PEST\Pest20\2025\250103ical\
Method File : pest20_2025_01_03_ugL_ICAL.m
Title : pest
Last Update : Mon Jan 06 12:10:30 2025
Response Via : Initial Calibration

Calibration Files
1 =20250103i-03.D 2 =20250103i-14.D 3 =20250103i-23.D 4 =20250103i-24.D 5 =20250103i-17.D
7 =20250103i-25.D 8 =20250103i-26.D 9 =20250103i-27.D 10 =20250103i-21.D 11 =20250103i-12.D

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
1)	i	1-br-2-nb_Pesticides	----------ISTD----------											
2)	s	2,4,5,6-Tetra...		1.383	1.244	1.253	1.231	1.160	1.098	1.086	1.065	1.039	1.173	9.62
3)		Hexachloroben...		1.593	1.425	1.405	1.368	1.254	1.136	1.118	1.099	1.077	1.275	14.24
4)		alpha-BHC		1.572	1.445	1.461	1.447	1.409	1.432	1.441	1.448	1.450	1.456	3.15
5)		gamma-BHC (li...	1.780	1.514	1.388	1.394	1.372	1.320	1.299	1.311	1.309	1.307	1.399	10.64
6)		beta-BHC		0.830	0.759	0.751	0.721	0.665	0.593	0.583	0.579	0.575	0.673	14.24
7)		delta-BHC		1.504	1.372	1.374	1.358	1.318	1.314	1.337	1.356	1.375	1.367	4.10
8)		Heptachlor		1.630	1.473	1.443	1.420	1.332	1.259	1.253	1.239	1.199	1.361	10.36
9)		Aldrin		1.471	1.348	1.321	1.325	1.260	1.222	1.231	1.230	1.198	1.290	6.69
10)		Alachlor		0.269	0.250	0.254	0.253	0.242	0.207	0.194	0.182		0.231	13.84
11)		Chlorpyrifos			0.816	0.797	0.776	0.702	0.574	0.541	0.516		*L	0.997
6														
12)		Heptachlor Ep...		1.486	1.357	1.325	1.303	1.236	1.147	1.147	1.137	1.100	1.249	10.30
13)		gamma-Chlorda...		1.358	1.233	1.195	1.178	1.109	1.048	1.043	1.055	1.044	1.140	9.61
14)		alpha-Chlorda...		1.559	1.405	1.369	1.357	1.277	1.196	1.182	1.189	1.169	1.300	10.21
15)		4,4'-DDE		1.390	1.293	1.265	1.267	1.221	1.212	1.213	1.232	1.211	1.256	4.65
16)		Endosulfan I		1.435	1.311	1.278	1.250	1.188	1.106	1.094	1.094	1.065	1.202	10.42

Response Factor Report PEST 20

Method Path : I:\PEST\Pest20\2025\250103ical\
Method File : pest20_2025_01_03_ugL_ICAL.m
Title : pest
Last Update : Mon Jan 06 12:10:30 2025
Response Via : Initial Calibration

Calibration Files
1 =20250103i-03.D 2 =20250103i-14.D 3 =20250103i-23.D 4 =20250103i-24.D 5 =20250103i-17.D
7 =20250103i-25.D 8 =20250103i-26.D 9 =20250103i-27.D 10 =20250103i-21.D 11 =20250103i-12.D

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
17)		Dieldrin		1.427	1.304	1.282	1.265	1.213	1.164	1.167	1.176	1.149	1.238	7.32
18)		Endrin		1.474	1.343	1.320	1.302	1.251	1.194	1.195	1.195	1.161	1.270	7.85
19)		4,4'-DDD		1.130	1.043	1.025	1.029	0.989	0.966	0.965	0.984	0.962	1.010	5.37
20)		Endosulfan II		1.312	1.203	1.179	1.160	1.098	1.030	1.017	1.020	0.987	1.112	9.81
21)		4,4'-DDT		1.225	1.115	1.130	1.130	1.069	1.044	1.052	1.065	1.020	1.094	5.72
22)		Endrin Aldehyde		1.033	0.942	0.922	0.889	0.886	0.877	0.874	0.872	0.822	*L	0.999
1														
23)		Methoxychlor			0.731	0.738	0.724	0.669	0.585	0.560	0.545	0.506	0.632	14.85
24)		Mirex			1.269	1.224	1.198	1.084	0.928	0.894	0.884	0.842	*L	0.998
9														
25)		Endosulfan Su...		1.304	1.180	1.154	1.133	1.059	0.965	0.947	0.944	0.905	1.066	12.73
26)		Endrin Ketone		1.464	1.319	1.293	1.287	1.218	1.124	1.104	1.096	1.039	1.216	11.24
27)	s	Decachlorobip...			1.353	1.315	1.294	1.177	1.033	1.007	0.988	0.928	*L	0.998
5														
28)	i	1-br-2-nb_Chlordane	----------ISTD----------											
29)	l1	chlordane-1			0.062	0.053	0.046	0.044	0.040	0.039	0.039		*L	0.999
8														
30)	l1	chlordane-3			0.085	0.071	0.060	0.057	0.050	0.048	0.046		*L	0.999
0														
31)	l1	chlordane-4			0.266	0.229	0.192	0.182	0.171	0.172	0.170		*L	0.999
9														
32)	l1	chlordane-5			0.414	0.355	0.298	0.284	0.264	0.267	0.261		*L	0.999
9														

Method Path : I:\PEST\Pest20\2025\250103ical\
Method File : pest20_2025_01_03_ugL_ICAL.m
Title : pest
Last Update : Mon Jan 06 12:10:30 2025
Response Via : Initial Calibration

Calibration Files
1 =20250103i-03.D 2 =20250103i-14.D 3 =20250103i-23.D 4 =20250103i-24.D 5 =20250103i-17.D
7 =20250103i-25.D 8 =20250103i-26.D 9 =20250103i-27.D 10 =20250103i-21.D 11 =20250103i-12.D

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
33)	i	1-br-2-nb_Toxaphene	----------ISTD----------											
34)	l2	toxaphene-1			0.068	0.069		0.065	0.064	0.060			0.065	5.14
35)	l2	toxaphene-2			0.039	0.039		0.038	0.038	0.036			0.038	3.06
36)	l2	toxaphene-4			0.058	0.056		0.055	0.054	0.051			0.055	4.80
37)	l2	toxaphene-5			0.053	0.047		0.044	0.044	0.041			0.046	10.08

Signal #2 Calibration Files
1 =20250103i-03.D 2 =20250103i-14.D 3 =20250103i-23.D 4 =20250103i-24.D 5 =20250103i-17.D
7 =20250103i-25.D 8 =20250103i-26.D 9 =20250103i-27.D 10 =20250103i-21.D 11 =20250103i-12.D

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
1)	i	1-br-2-nb_Pesticides	----------ISTD----------											
2)	s	2,4,5,6-Tetra...		1.273	1.172	1.181	1.167	1.115	1.062	1.044	1.021	0.992	1.114	8.23
3)		Hexachloroben...		1.415	1.300	1.302	1.270	1.185	1.086	1.066	1.048	1.027	1.189	11.68
4)		alpha-BHC		1.427	1.349	1.386	1.378	1.384	1.423	1.437	1.452	1.459	1.411	2.66
5)		gamma-BHC (li...	1.581	1.370	1.309	1.325	1.314	1.294	1.299	1.306	1.313	1.314	1.343	6.44
6)		beta-BHC		0.718	0.687	0.691	0.679	0.635	0.589	0.582	0.578	0.575	0.637	9.02
7)		delta-BHC		1.318	1.253	1.277	1.278	1.268	1.302	1.326	1.356	1.382	1.307	3.26
8)		Heptachlor		1.408	1.336	1.348	1.325	1.289	1.222	1.231	1.211	1.160	1.281	6.24
9)		Aldrin		1.260	1.210	1.216	1.209	1.186	1.180	1.183	1.180	1.145	1.197	2.68

Response Factor Report PEST 20

Method Path : I:\PEST\Pest20\2025\250103ical\
Method File : pest20_2025_01_03_ugL_ICAL.m
Title : pest
Last Update : Mon Jan 06 12:10:30 2025
Response Via : Initial Calibration

Calibration Files
1 =20250103i-03.D 2 =20250103i-14.D 3 =20250103i-23.D 4 =20250103i-24.D 5 =20250103i-17.D
7 =20250103i-25.D 8 =20250103i-26.D 9 =20250103i-27.D 10 =20250103i-21.D 11 =20250103i-12.D

	Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
10)	Alachlor		0.203	0.200	0.207	0.204	0.205	0.184	0.172	0.162		0.192	8.93
11)	Chlorpyrifos			0.723	0.724	0.715	0.656	0.568	0.539	0.516		0.634	14.46
12)	Heptachlor Ep...		1.251	1.183	1.217	1.187	1.167	1.122	1.132	1.129	1.088	1.164	4.41
13)	gamma-Chlorda...		1.149	1.100	1.093	1.084	1.049	1.016	1.015	1.023	1.012	1.060	4.60
14)	alpha-Chlorda...		1.315	1.239	1.248	1.233	1.186	1.130	1.127	1.133	1.111	1.191	5.95
15)	4,4'-DDE		1.133	1.097	1.103	1.103	1.095	1.110	1.114	1.122	1.084	1.107	1.34
16)	Endosulfan I		1.215	1.159	1.164	1.159	1.115	1.072	1.067	1.065	1.031	1.116	5.48
17)	Dieldrin		1.198	1.157	1.152	1.153	1.127	1.122	1.124	1.134	1.105	1.141	2.38
18)	Endrin		1.313	1.304	1.239	1.216	1.194	1.157	1.150	1.156	1.120	1.205	5.70
19)	4,4'-DDD		0.851	0.863	0.873	0.881	0.872	0.882	0.883	0.904	0.889	0.878	1.73
20)	Endosulfan II		1.124	1.065	1.082	1.079	1.038	0.994	0.981	0.984	0.954	1.033	5.57
21)	4,4'-DDT		1.083	1.040	1.046	1.051	1.027	1.019	1.007	1.022	0.990	1.032	2.63
22)	Endrin Aldehyde		0.839	0.813	0.810	0.790	0.801	0.830	0.837	0.835	0.791	0.816	2.42
23)	Methoxychlor			0.601	0.605	0.606	0.587	0.537	0.522	0.508	0.474	0.555	9.23
24)	Mirex			1.057	1.054	1.025	0.952	0.838	0.812	0.803	0.776	0.915	13.17
25)	Endosulfan Su...		1.098	1.041	1.038	1.031	0.979	0.929	0.912	0.922	0.893	0.983	7.33

Method Path : I:\PEST\Pest20\2025\250103ical\
Method File : pest20_2025_01_03_ugL_ICAL.m
Title : pest
Last Update : Mon Jan 06 12:10:30 2025
Response Via : Initial Calibration

Calibration Files
1 =20250103i-03.D 2 =20250103i-14.D 3 =20250103i-23.D 4 =20250103i-24.D 5 =20250103i-17.D
7 =20250103i-25.D 8 =20250103i-26.D 9 =20250103i-27.D 10 =20250103i-21.D 11 =20250103i-12.D

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
26)		Endrin Ketone	1.230	1.167	1.180	1.175	1.140	1.084	1.079	1.064	1.008		1.125	6.26
27)	s	Decachlorobip...			1.061	1.051	1.037	0.961	0.861	0.848	0.826	0.772	0.927	12.32
28)	i	1-br-2-nb_Chlordane	----------ISTD----------											
29)	l1	chlordane-1	0.054	0.047	0.042	0.041	0.038	0.037	0.034				*L	0.998
3														
30)	l1	chlordane-3	0.066	0.058	0.051	0.049	0.043	0.041	0.037				*L	0.995
3														
31)	l1	chlordane-4	0.221	0.184	0.163	0.161	0.152	0.150	0.139				*L	0.998
4														
32)	l1	chlordane-5	0.183	0.154	0.134	0.131	0.122	0.119	0.110				*L	0.998
0														
33)	i	1-br-2-nb_Toxaphene	----------ISTD----------											
34)	l2	toxaphene-1			0.022	0.024		0.024	0.024	0.023			0.024	4.06
35)	l2	toxaphene-2			0.038	0.037		0.035	0.035	0.034			0.036	4.21
36)	l2	toxaphene-4			0.042	0.042		0.042	0.042	0.041			0.042	1.49
37)	l2	toxaphene-5			0.043	0.040		0.039	0.039	0.037			0.040	5.86

(#) = Out of Range ### Number of calibration levels exceeded format ###

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-02.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 11:52
Operator : pest20:ejl
Sample : pem20250103i-01,42e,,pp 11667 -
Misc : WG2016937,ical
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 12:13:09 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 12:10:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.804	1.853	82549732	151.5E6	25.000M3	25.000M4
	System Monitoring Compounds						
	Target Compounds						
15)	4,4'-DDE	4.518	5.211	446952	1106426	0.108M2	0.165
D							
18)	Endrin	5.082	5.658	204.8E6	365.7E6	48.808M4	50.081
19)	4,4'-DDD	5.189	5.787	490747	1068178	0.147M2	0.201M4
21)	4,4'-DDT	5.475	6.064	357.4E6	637.6E6	98.908M4	102.030M4
22)	Endrin Aldeh	5.729	6.155	187175	431761	N.D. M2	0.087M4
26)	Endrin Keton	6.344	6.806	663184	1487477	0.165M2	0.218M4
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-02.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 11:52
Operator : pest20:ejl
Sample : pem20250103i-01,42e,,pp 11667 -
Misc : WG2016937,ical
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 12:13:09 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 12:10:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

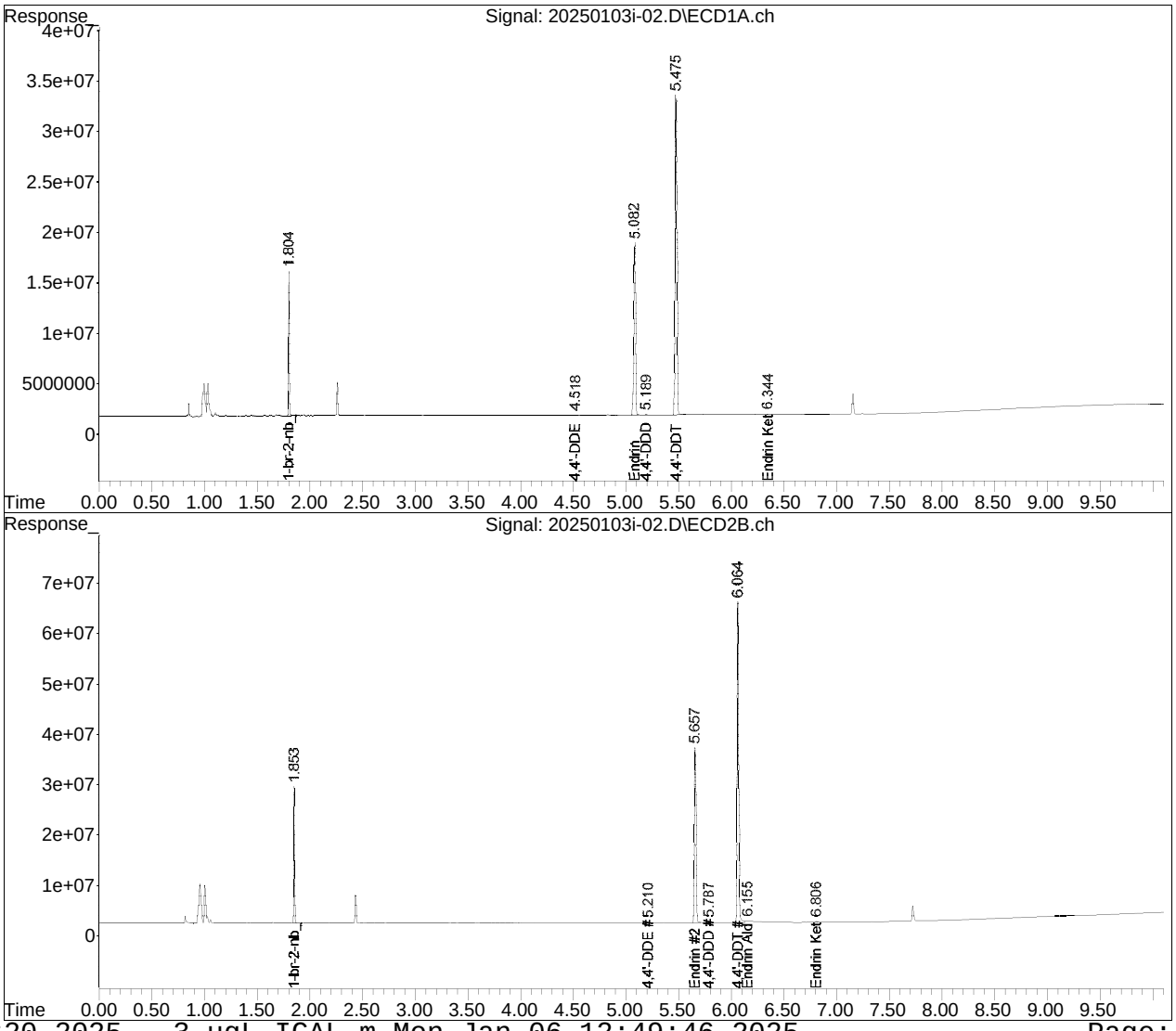
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : DEG - DDT/Endrin degradation checkiewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-02.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 11:52
Operator : pest20:ejl
Sample : pem20250103i-01,42e,,pp 11667 -
Misc : WG2016937,ical
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 12:13:09 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 12:10:30 2025
Response via : Initial Calibration
Integrator: ChemStation

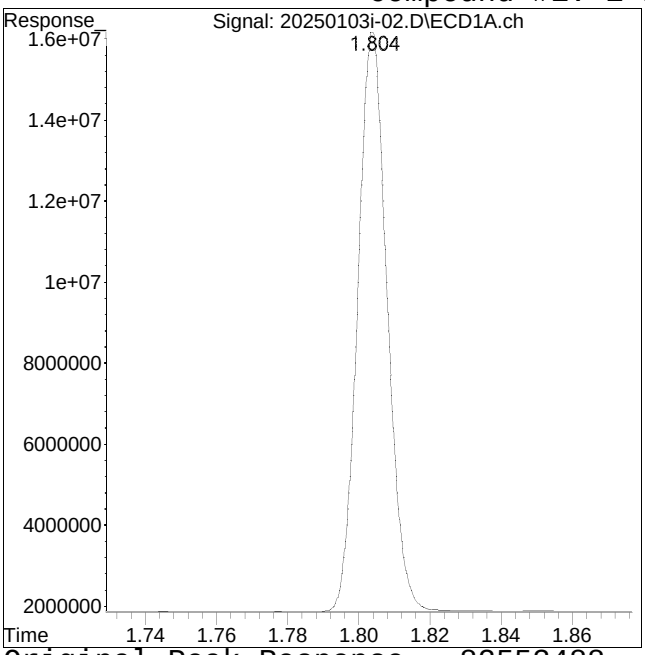
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

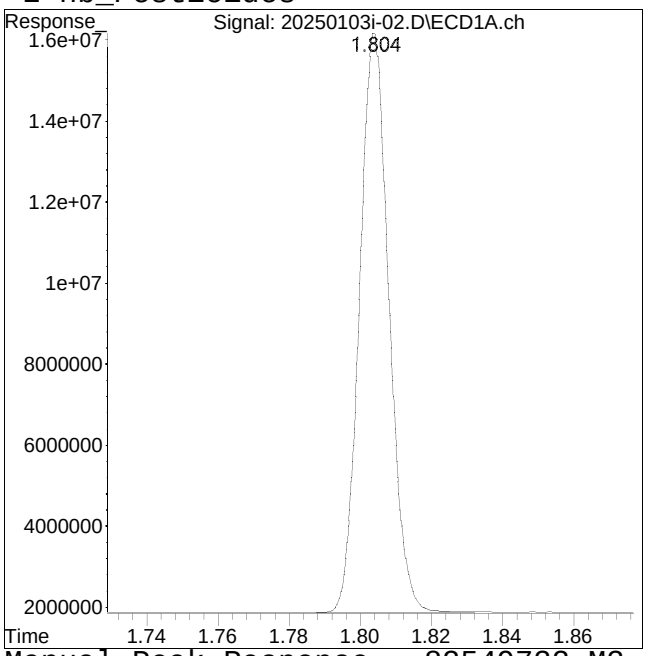


Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-02.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 11:52 Instrument : PEST 20
Sample : pem20250103i-01,42e,,pp 11Quant Date : 1/6/2025 12:13 pm

Compound #1: 1-br-2-nb_Pesticides



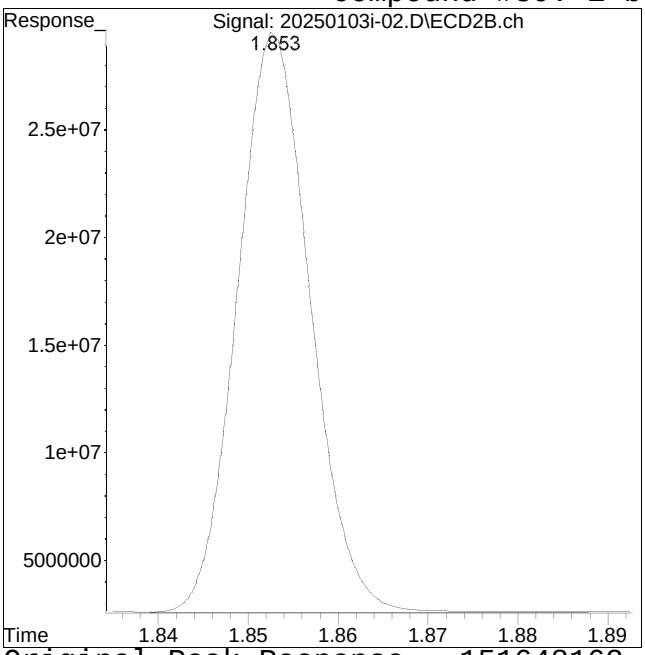


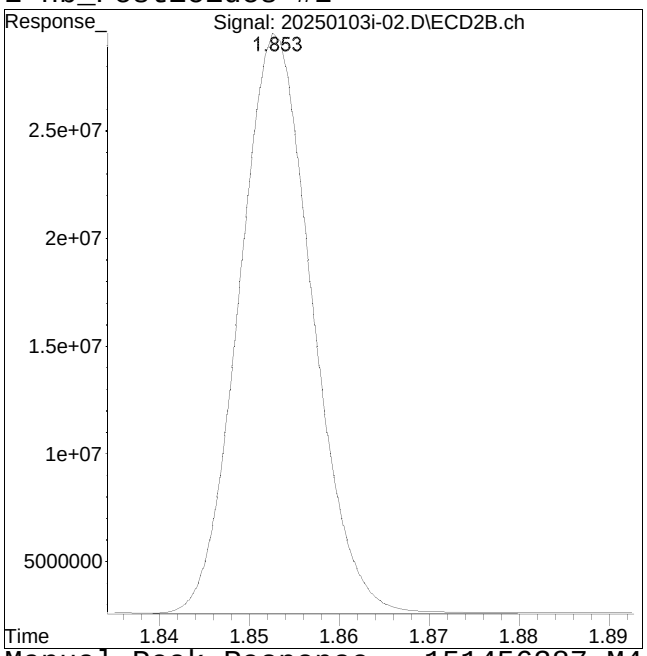
Original Peak Response = 82553488 Manual Peak Response = 82549732 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-02.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 11:52 Instrument : PEST 20
Sample : pem20250103i-01,42e,,pp 11Quant Date : 1/6/2025 12:13 pm

Compound #39: 1-br-2-nb_Pesticides #2





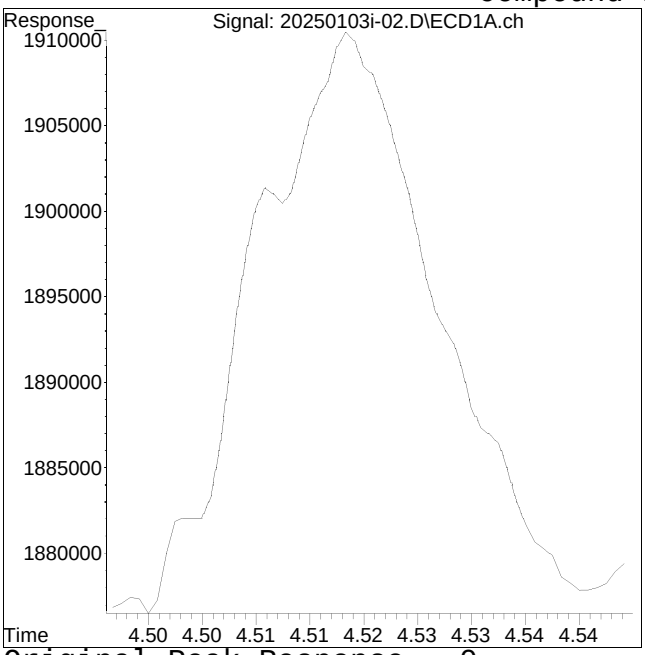
Original Peak Response = 151648162 Manual Peak Response = 151456387 M4
M4 = Poor automated baseline construction.

Manual Integration Report

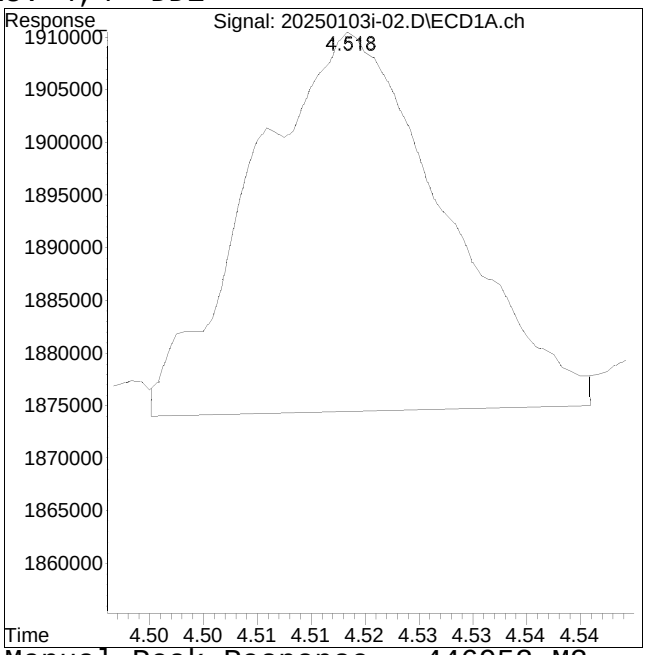
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-02.D
Date Inj'd : 1/3/2025 11:52
Sample : pem20250103i-01,42e,,pp 11

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 12:13 pm

Compound #15: 4,4'-DDE



Original Peak Response = 0



Manual Peak Response = 446952 M2

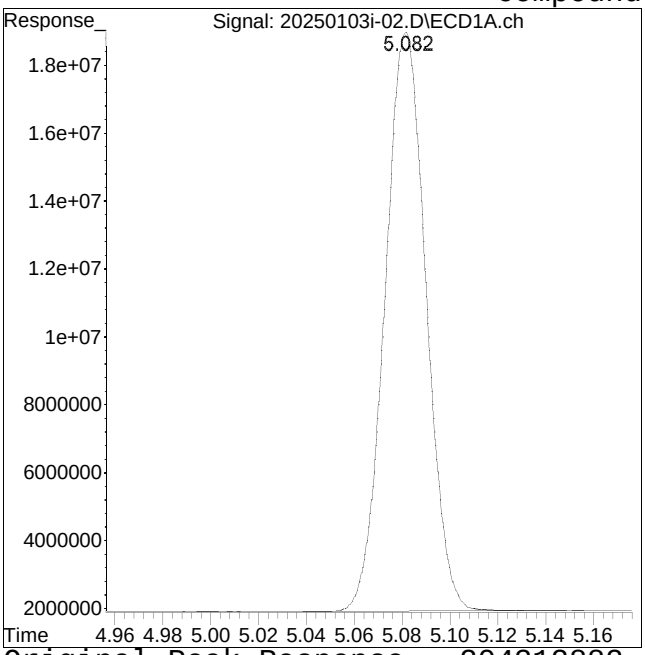
M2 = Peak not found by automatic integration algorithm.

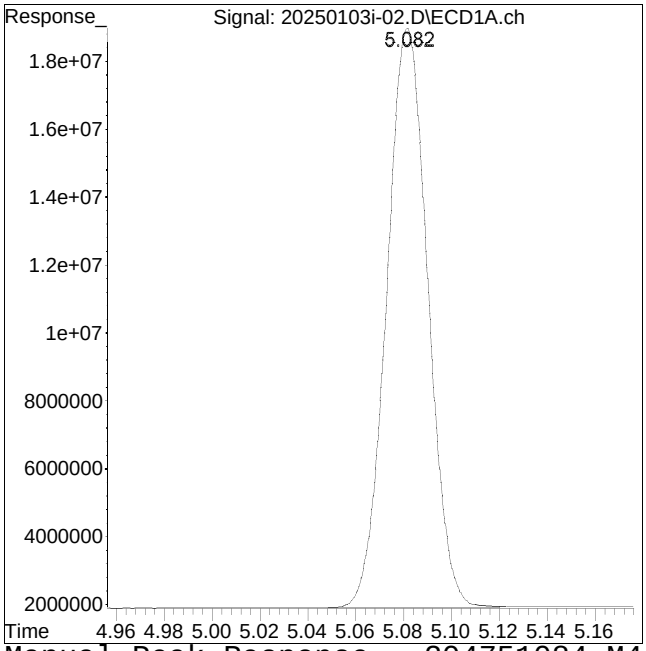
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-02.D
Date Inj'd : 1/3/2025 11:52
Sample : pem20250103i-01,42e,,pp 11

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 12:13 pm

Compound #18: Endrin





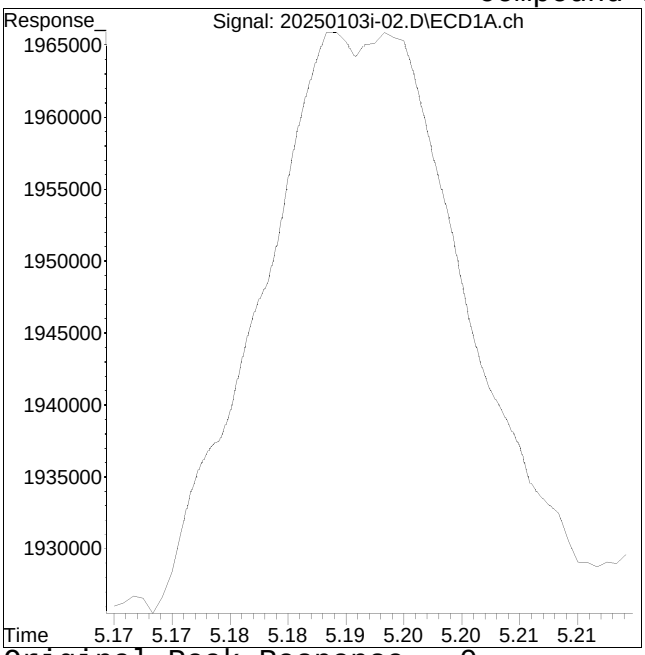
Original Peak Response = 204312882 Manual Peak Response = 204751084 M4
M4 = Poor automated baseline construction.

Manual Integration Report

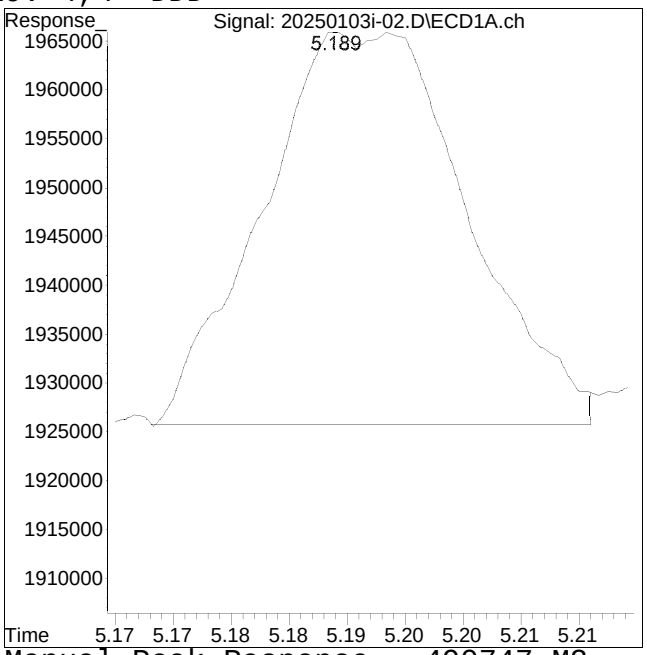
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-02.D
Date Inj'd : 1/3/2025 11:52
Sample : pem20250103i-01,42e,,pp 11

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 12:13 pm

Compound #19: 4,4'-DDD



Original Peak Response = 0



Manual Peak Response = 490747 M2

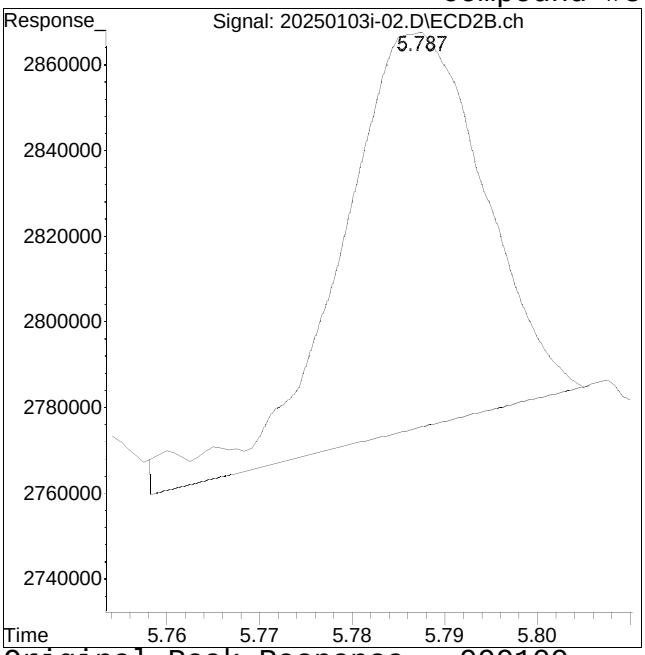
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

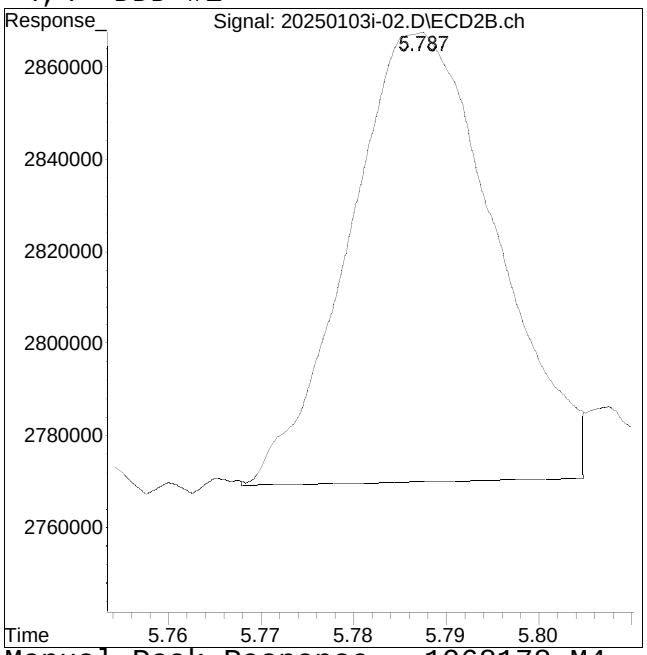
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-02.D
Date Inj'd : 1/3/2025 11:52
Sample : pem20250103i-01,42e,,pp 11

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 12:13 pm

Compound #57: 4,4'-DDD #2



Original Peak Response = 999109



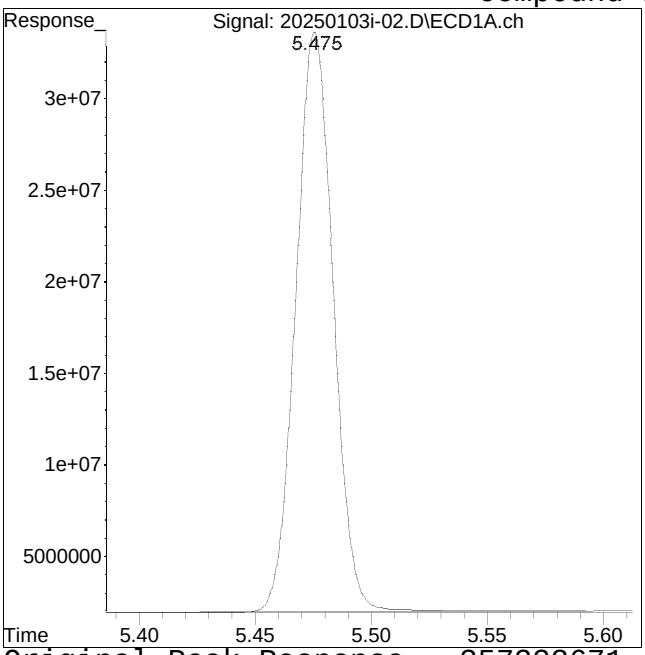
Manual Peak Response = 1068178 M4

M4 = Poor automated baseline construction.

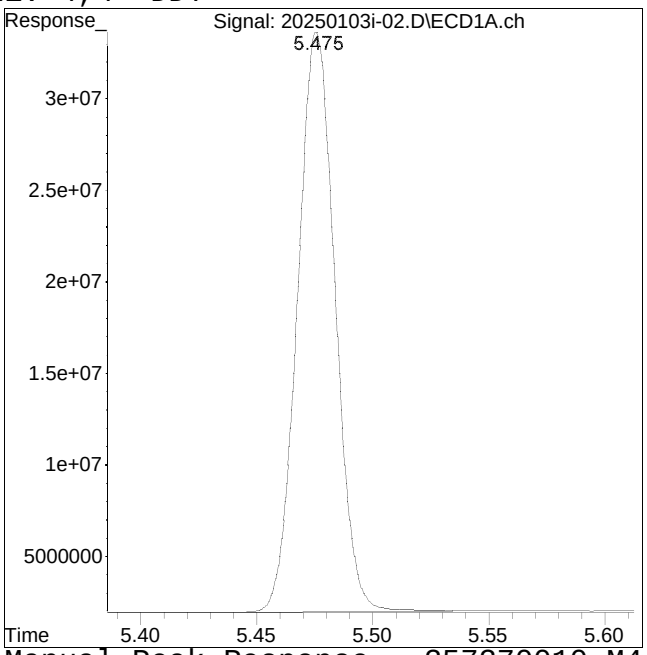
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-02.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 11:52 Instrument : PEST 20
Sample : pem20250103i-01,42e,,pp 11Quant Date : 1/6/2025 12:13 pm

Compound #21: 4,4'-DDT



Original Peak Response = 357333671



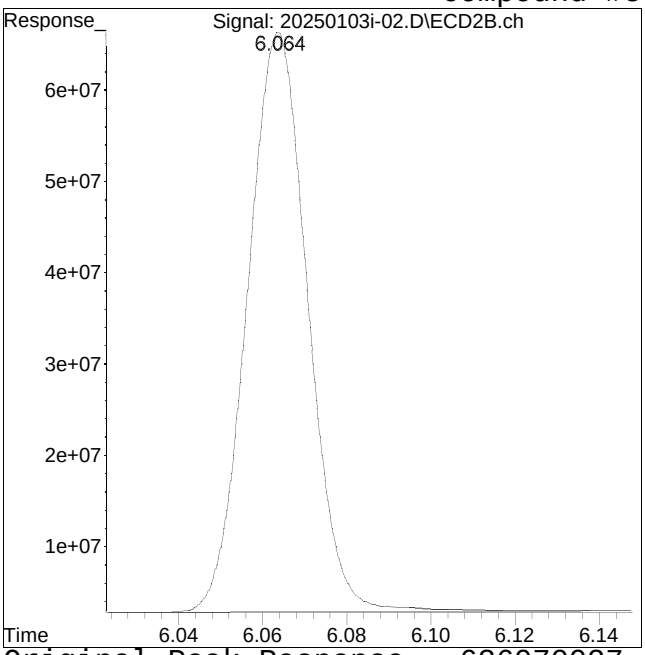
Manual Peak Response = 357370010 M4

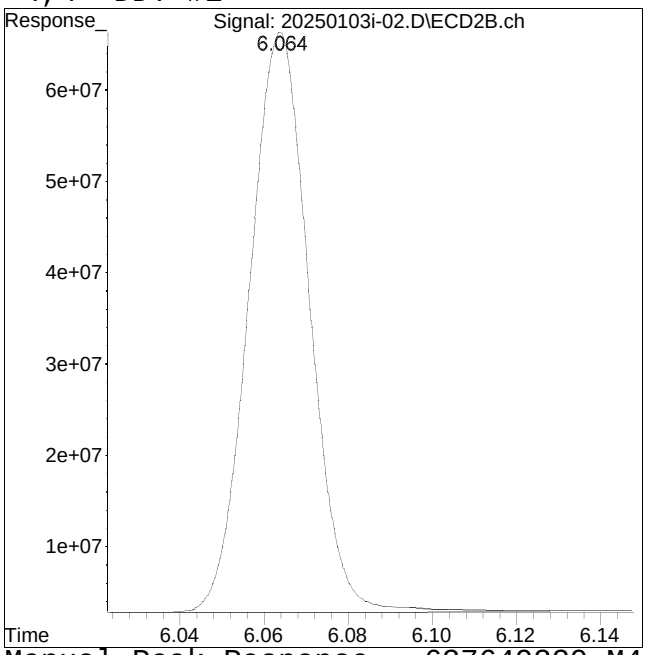
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-02.D
Date Inj'd : 1/3/2025 11:52
Sample : pem20250103i-01,42e,,pp 11
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 12:13 pm

Compound #59: 4,4'-DDT #2



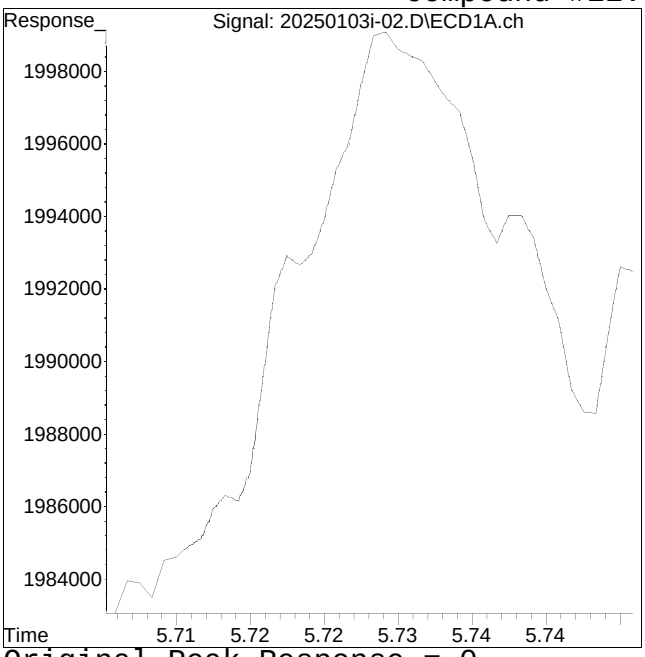


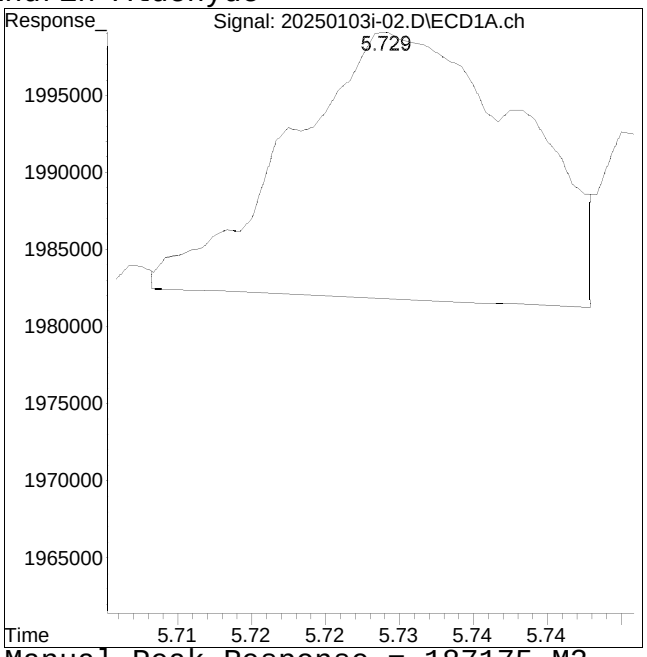
Original Peak Response = 636070927 Manual Peak Response = 637649320 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-02.D
Date Inj'd : 1/3/2025 11:52
Sample : pem20250103i-01,42e,,pp 11
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 12:13 pm

Compound #22: Endrin Aldehyde





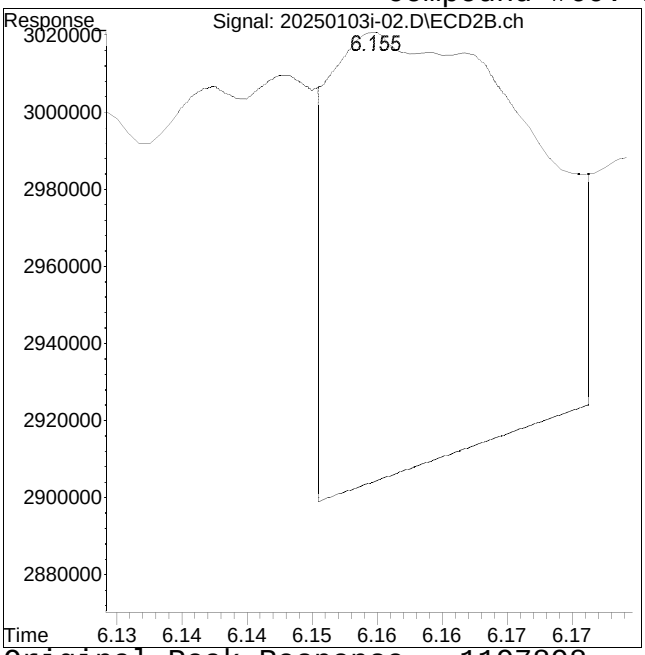
Original Peak Response = 0
Manual Peak Response = 187175 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

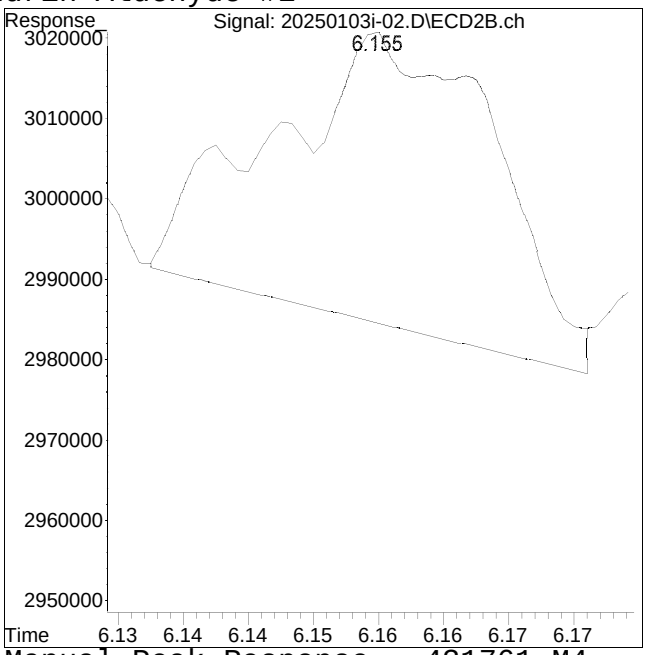
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-02.D
Date Inj'd : 1/3/2025 11:52
Sample : pem20250103i-01,42e,,pp 11

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 12:13 pm

Compound #60: Endrin Aldehyde #2



Original Peak Response = 1197898



Manual Peak Response = 431761 M4

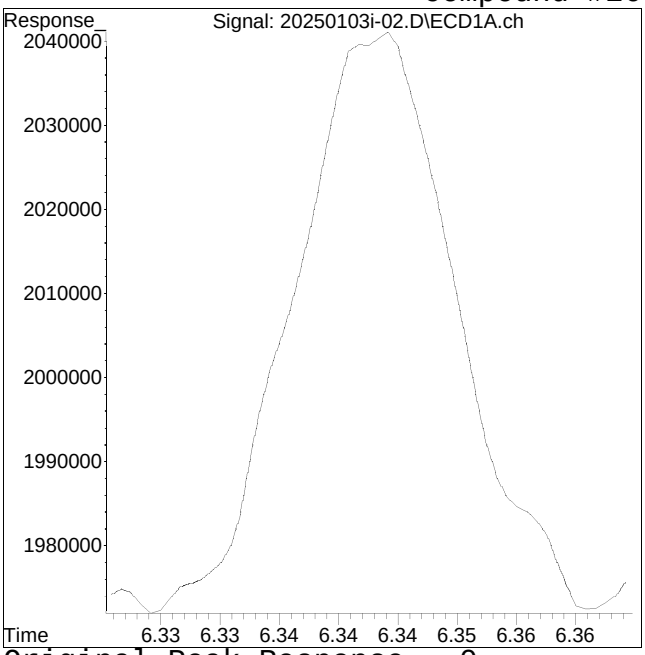
M4 = Poor automated baseline construction.

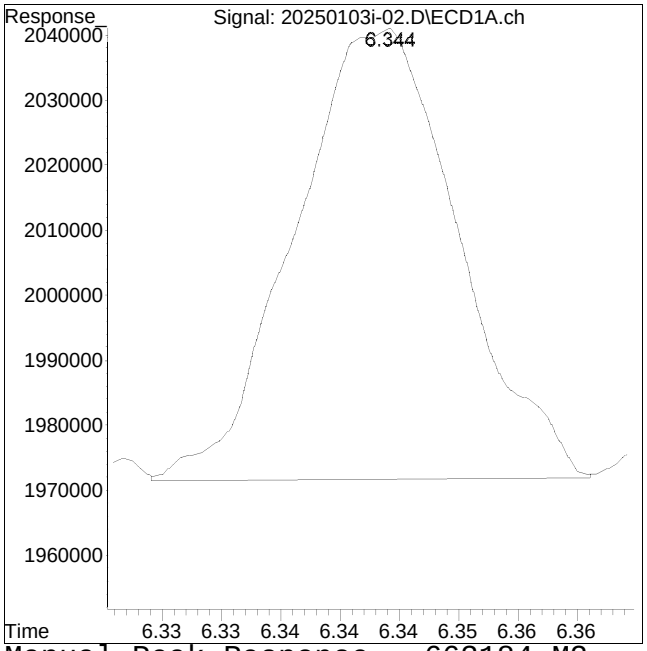
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-02.D
Date Inj'd : 1/3/2025 11:52
Sample : pem20250103i-01,42e,,pp 11

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 12:13 pm

Compound #26: Endrin Ketone





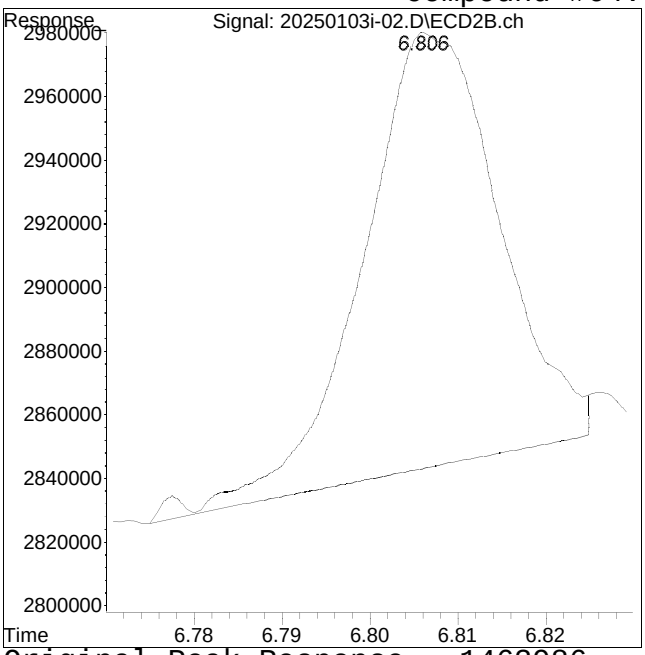
Original Peak Response = 0
Manual Peak Response = 663184 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

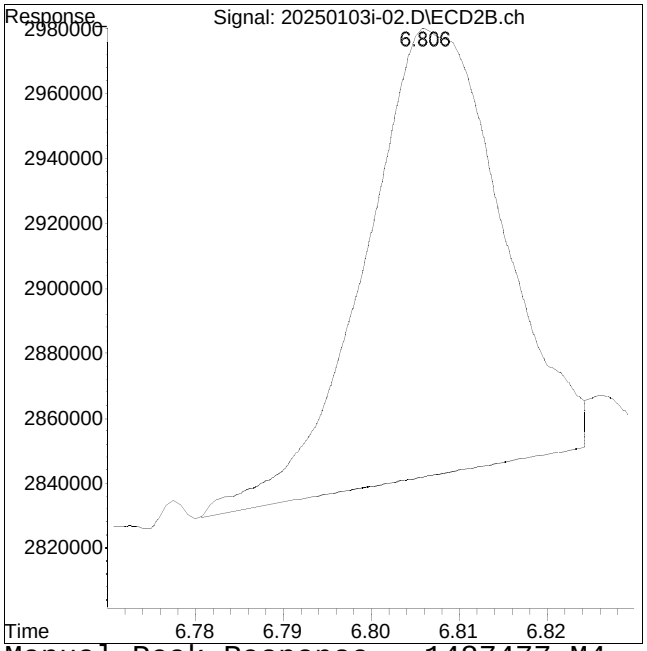
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-02.D
Date Inj'd : 1/3/2025 11:52
Sample : pem20250103i-01,42e,,pp 11

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 12:13 pm

Compound #64: Endrin Ketone #2



Original Peak Response = 1463986



Manual Peak Response = 1487477 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-03.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 12:04
Operator : pest20:ejl
Sample : il1pest,42e,,pp 11941 L0.0005
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 11:37:33 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 11:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.802	1.853	83154283	154.3E6	25.000M3	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	2.873	3.213	2960284	4878216	0.656M3	0.601M4
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-03.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 12:04
Operator : pest20:ejl
Sample : il1pest,42e,,pp 11941 L0.0005
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 11:37:33 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 11:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D.	N.D.
30) l1	chlordane-3	0.000	0.000	0	0	N.D.	N.D.
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

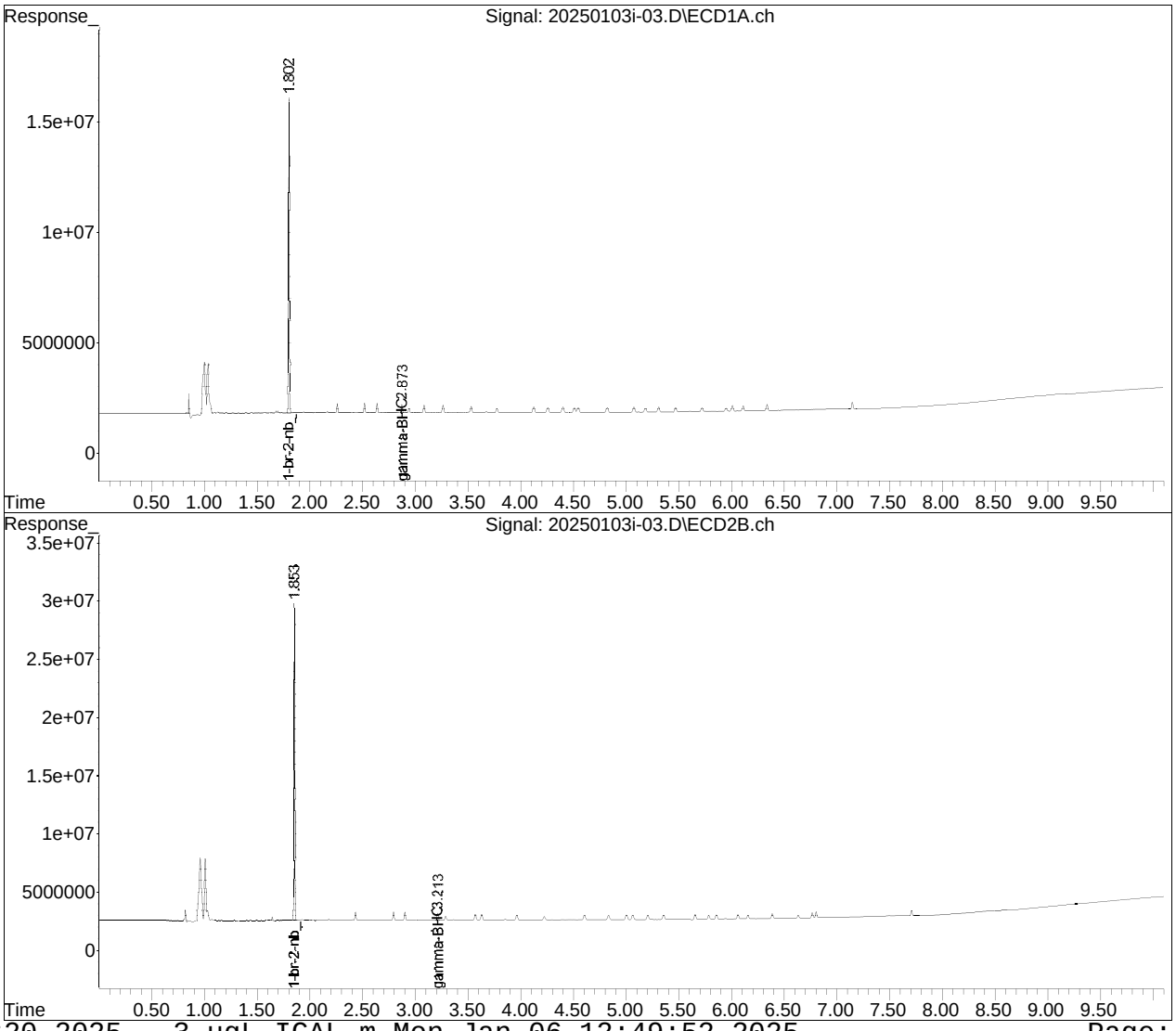
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-03.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 12:04
Operator : pest20:ejl
Sample : il1pest,42e,,pp 11941 L0.0005
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 11:37:33 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 11:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation

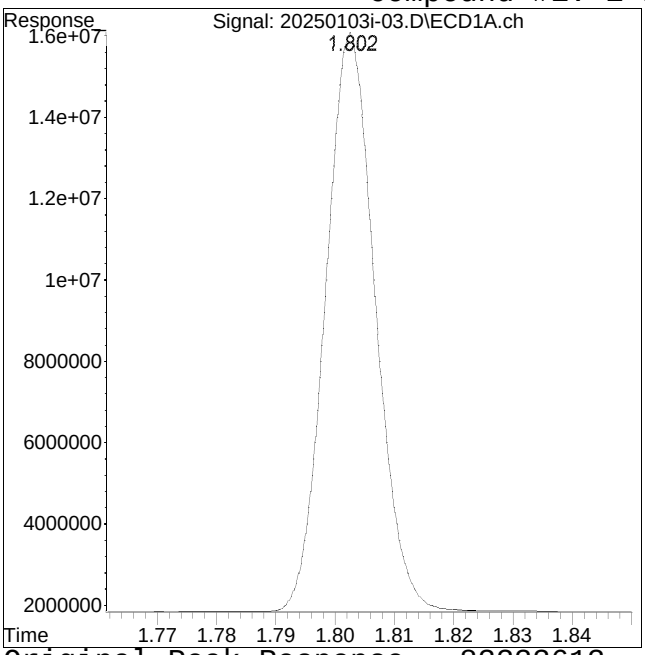
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

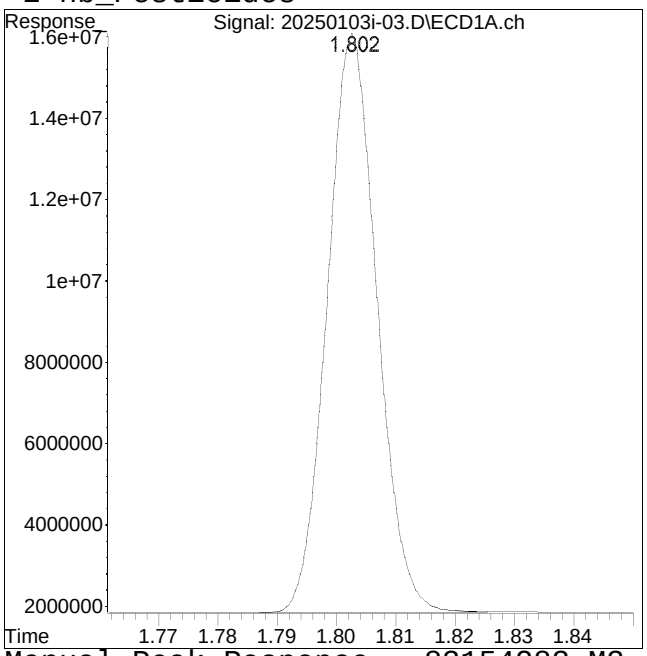


Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-03.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:04 Instrument : PEST 20
Sample : il1pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 11:37 am

Compound #1: 1-br-2-nb_Pesticides



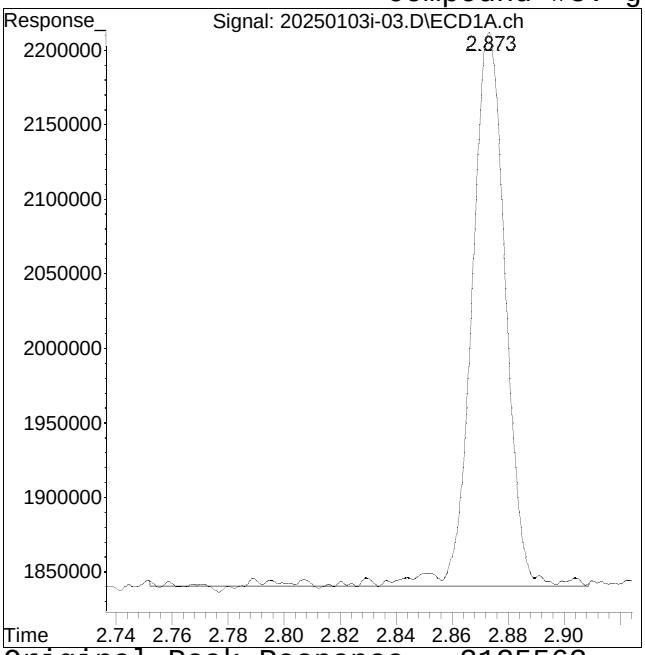


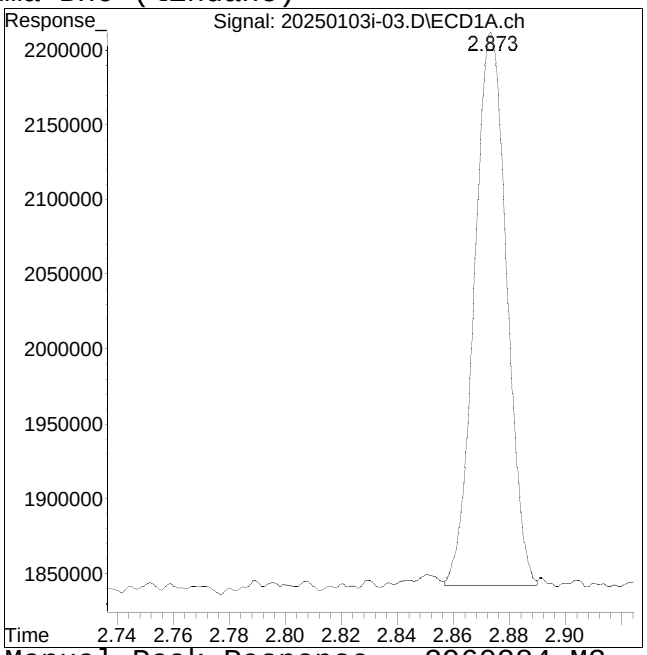
Original Peak Response = 83333613 Manual Peak Response = 83154283 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-03.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:04 Instrument : PEST 20
Sample : il1pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 11:37 am

Compound #5: gamma-BHC (lindane)



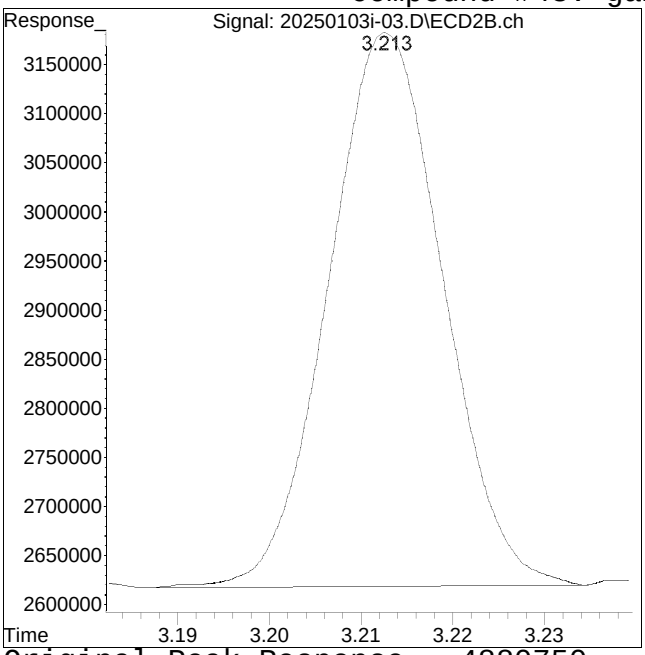


Original Peak Response = 3125563 Manual Peak Response = 2960284 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

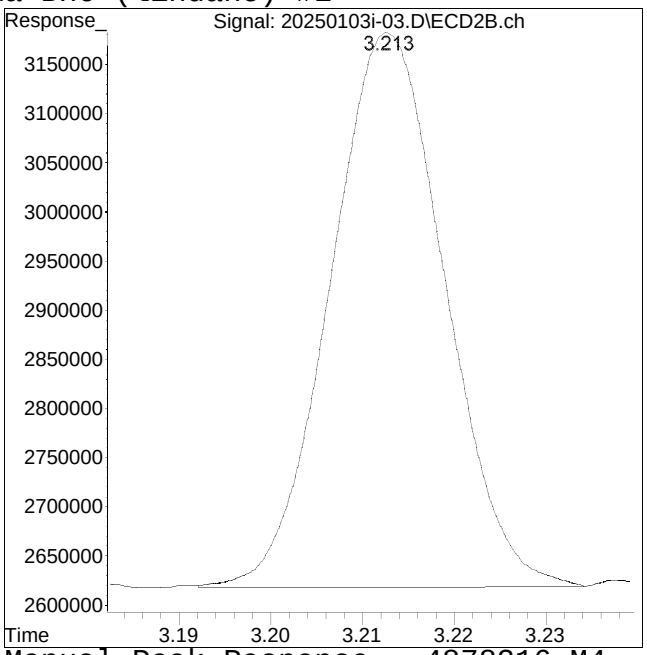
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-03.D
Date Inj'd : 1/3/2025 12:04
Sample : il1pest,42e,,pp 11941 L0.0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:37 am

Compound #43: gamma-BHC (lindane) #2



Original Peak Response = 4880750



Manual Peak Response = 4878216 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-04.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 12:17
Operator : pest20:ejl
Sample : il2pest,42e,,pp 11941 L0.001
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 11:13:32 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 11:13:22 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
		Internal Standards						
1)	i	1-br-2-nb_Pe	1.801	1.852	81663803	151.7E6	25.000M3	25.000M3
28)	i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33)	i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
		System Monitoring Compounds						
2)	s	2,4,5,6-Tetr	2.260	2.434	4517425	7725941	1.206M3	1.164M4
		Spiked Amount 50.000	Range 30 - 150		Recovery =		2.41%#	2.33%#
27)	s	Decachlorobi	7.142	7.703	4878779	6879979	1.314M4	1.223M4
		Spiked Amount 50.000	Range 30 - 150		Recovery =		2.63%#	2.45%#
		Target Compounds						
3)		Hexachlorobe	2.518	2.795	5202762	8583422	1.290M3	1.219M4
4)		alpha-BHC	2.637	2.903	5136085	8656369	1.091M4	1.013
5)		gamma-BHC (l	2.872	3.213	4945609	8314329	1.132M3	1.047
6)		beta-BHC	2.940	3.289	2710545	4354783	1.271M3	1.144M4
7)		delta-BHC	3.083	3.570	4911404	7995950	1.113M4	1.010M4
8)		Heptachlor	3.263	3.631	5325278	8541352	1.228M4	1.113M4
9)		Aldrin	3.530	3.963	4806490	7646288	1.161M3	1.060M4
10)		Alachlor	3.674	3.856	880051	1234077	1.192M2	1.067
11)		Chlorpyrifos	3.773	4.224	2947214	4591549	1.338M3	1.193M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-04.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 12:17
Operator : pest20:ejl
Sample : il2pest,42e,,pp 11941 L0.001
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 11:13:32 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 11:13:22 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)		Heptachlor E	4.123	4.605	4854348	7588840	1.219M4	1.085
13)		gamma-Chlord	4.256	4.834	4436498	6974020	1.220M4	1.096
14)		alpha-Chlord	4.399	5.004	5093774	7978814	1.230M3	1.118
15)		4,4'-DDE	4.507	5.206	4541772	6873698	1.122M3	1.026
16)		Endosulfan I	4.543	5.062	4687867	7371087	1.223M4	1.100M4
17)		Dieldrin	4.819	5.356	4662104	7266512	1.175M4	1.056M4
18)		Endrin	5.072	5.655	4814286	7965875	1.184M4	1.101M3
19)		4,4'-DDD	5.182	5.783	3692389	5162464	1.136M4	0.966M3
20)		Endosulfan I	5.308	5.857	4286883	6817719	1.208M3	1.099M4
21)		4,4'-DDT	5.467	6.061	3999942	6570975	1.136M3	1.056M4
22)		Endrin Aldeh	5.719	6.156	3373951	5090379	1.167M3	1.031
23)		Methoxychlor	5.948	6.632	2587685	3595992	1.253M3	1.068M4
24)		Mirex	6.007	6.765	4600460	6967979	1.354M4	1.255
25)		Endosulfan S	6.109	6.386	4258937	6660045	1.259M3	1.134M4
26)		Endrin Keton	6.335	6.802	4781490	7463070	1.235M4	1.106
29)	l1	chlordane-1	0.000	0.000	0	0	N.D.	N.D.
30)	l1	chlordane-3	0.000	0.000	0	0	N.D.	N.D.
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-04.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 12:17
Operator : pest20:ejl
Sample : il2pest,42e,,pp 11941 L0.001
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 11:13:32 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 11:13:22 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

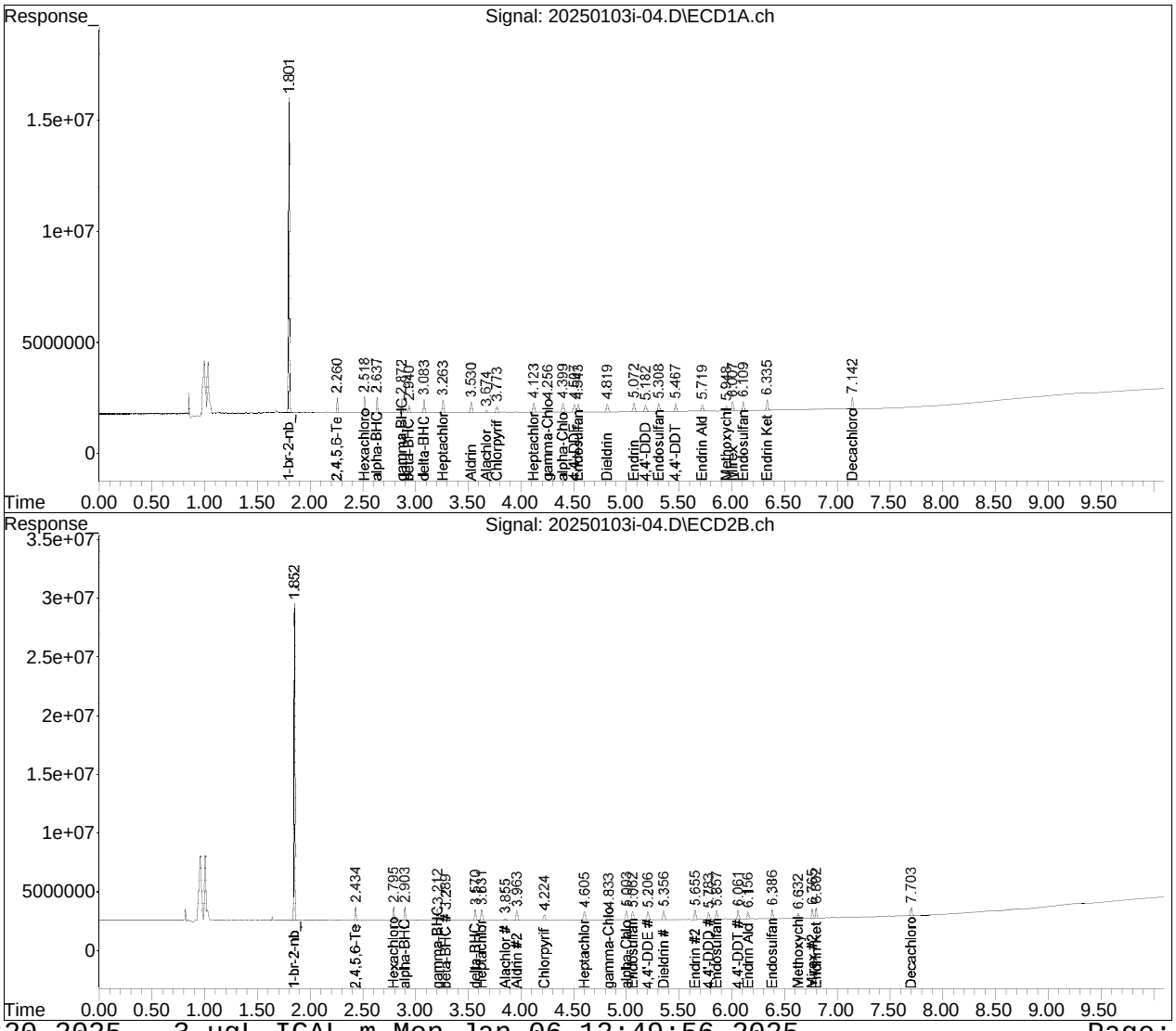
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-04.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 12:17
Operator : pest20:ejl
Sample : il2pest,42e,,pp 11941 L0.001
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 11:13:32 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 11:13:22 2025
Response via : Initial Calibration
Integrator: ChemStation

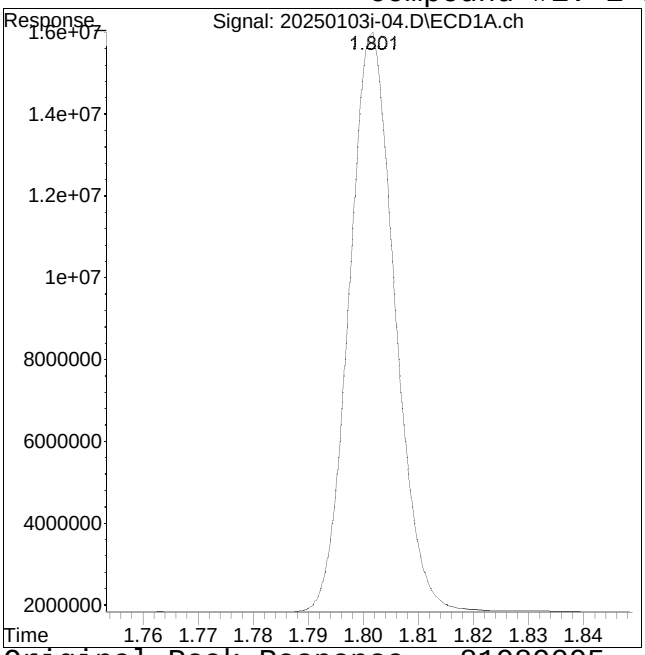
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

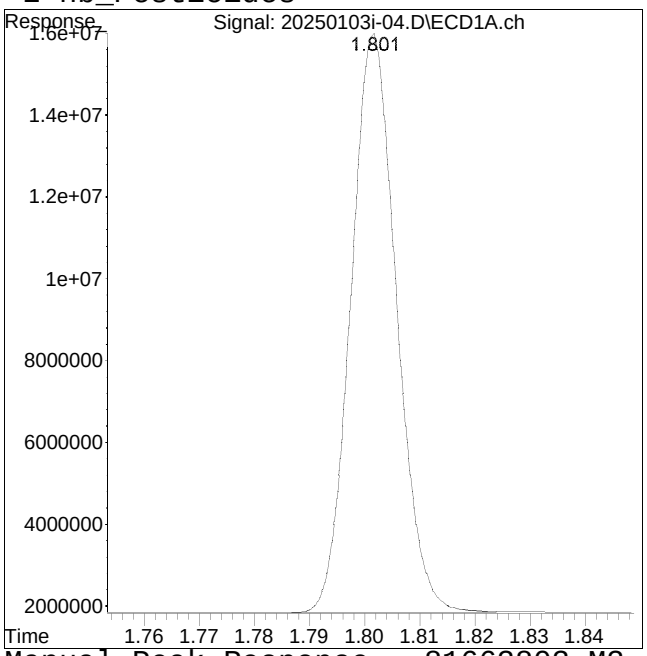


Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-04.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:17 Instrument : PEST 20
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 11:13 am

Compound #1: 1-br-2-nb_Pesticides



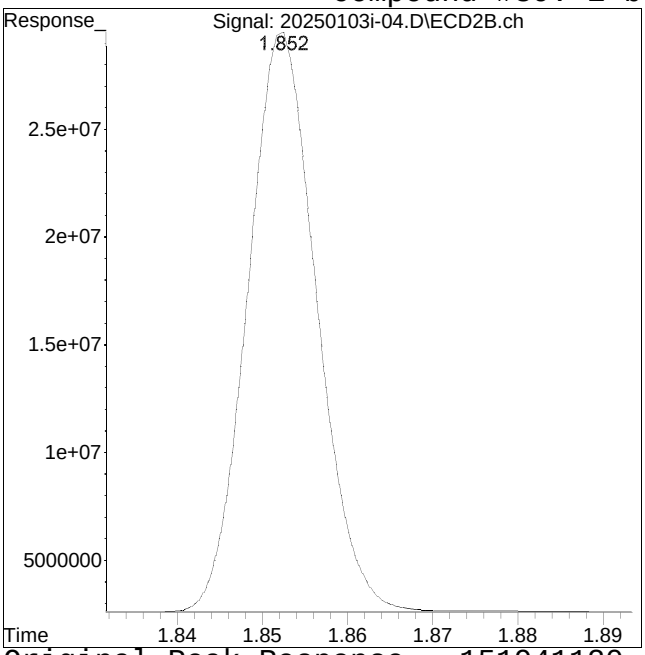


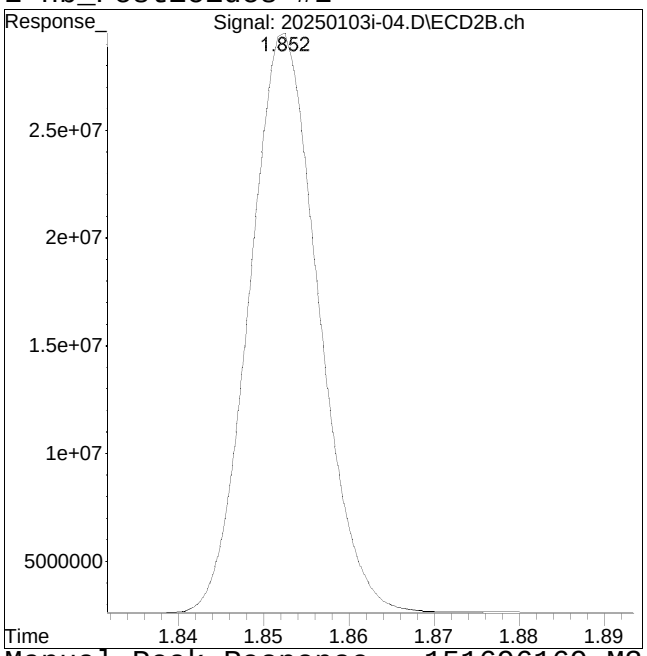
Original Peak Response = 81989095 Manual Peak Response = 81663803 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-04.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:17 Instrument : PEST 20
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 11:13 am

Compound #39: 1-br-2-nb_Pesticides #2





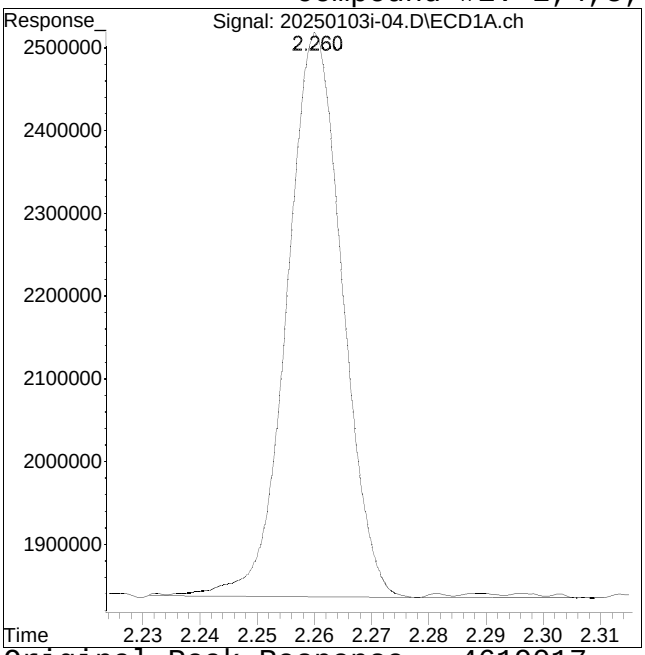
Original Peak Response = 151941120 Manual Peak Response = 151696169 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

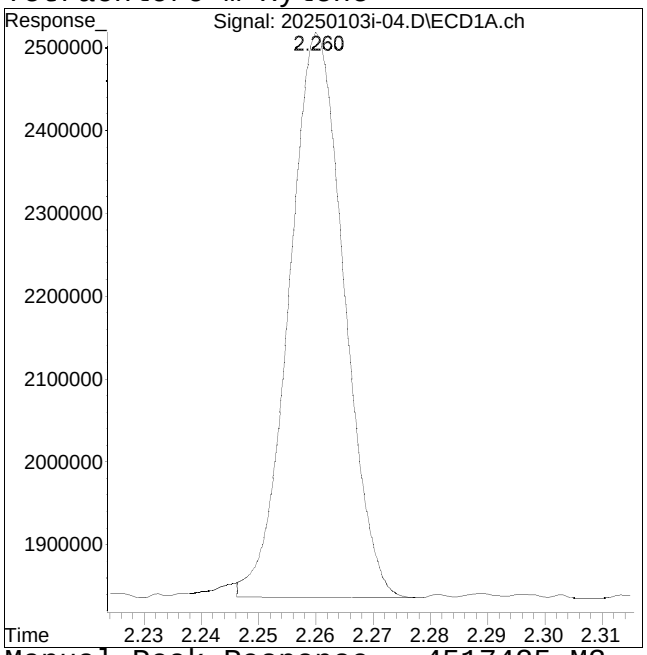
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-04.D
Date Inj'd : 1/3/2025 12:17
Sample : il2pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:13 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene





Original Peak Response = 4619017 Manual Peak Response = 4517425 M3

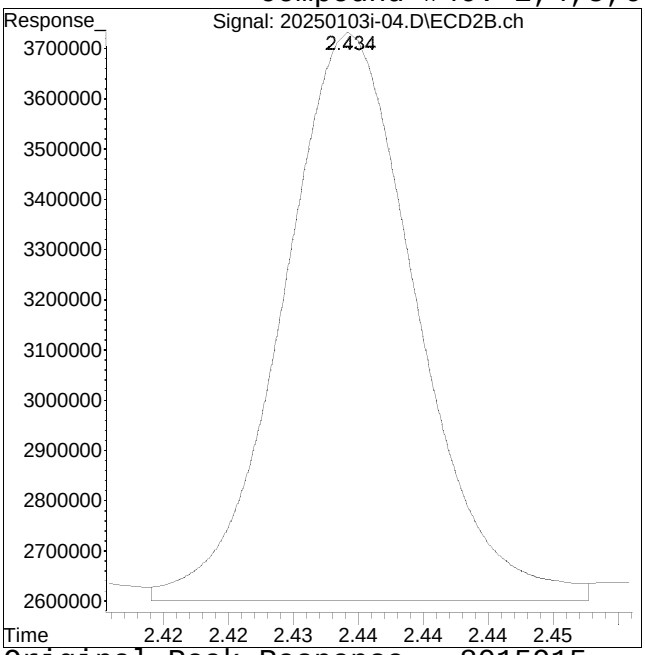
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

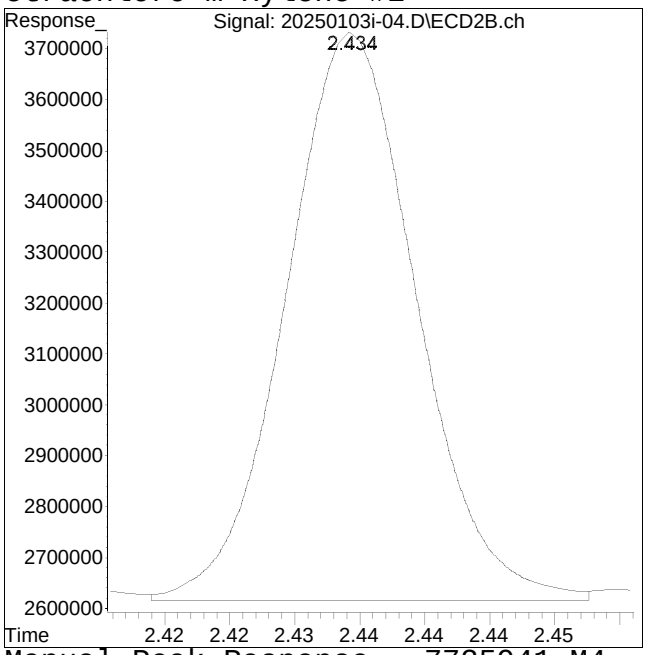
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-04.D
Date Inj'd : 1/3/2025 12:17
Sample : il2pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:13 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 8015915



Manual Peak Response = 7725941 M4

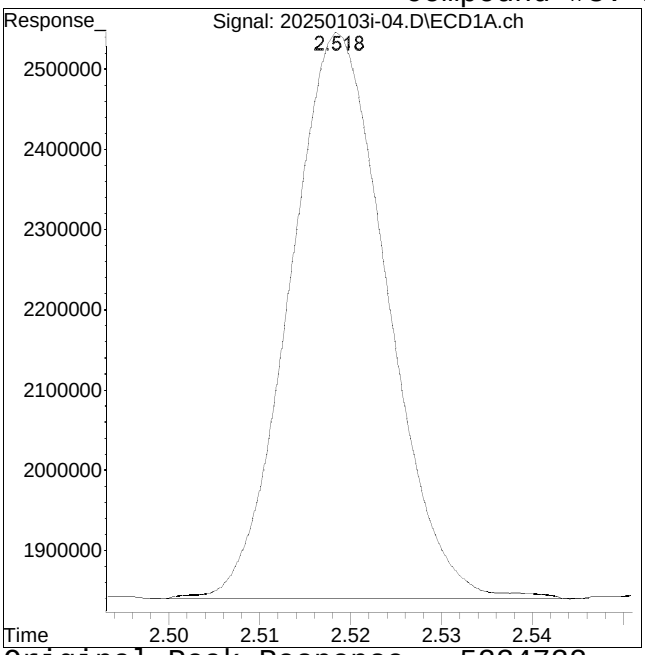
M4 = Poor automated baseline construction.

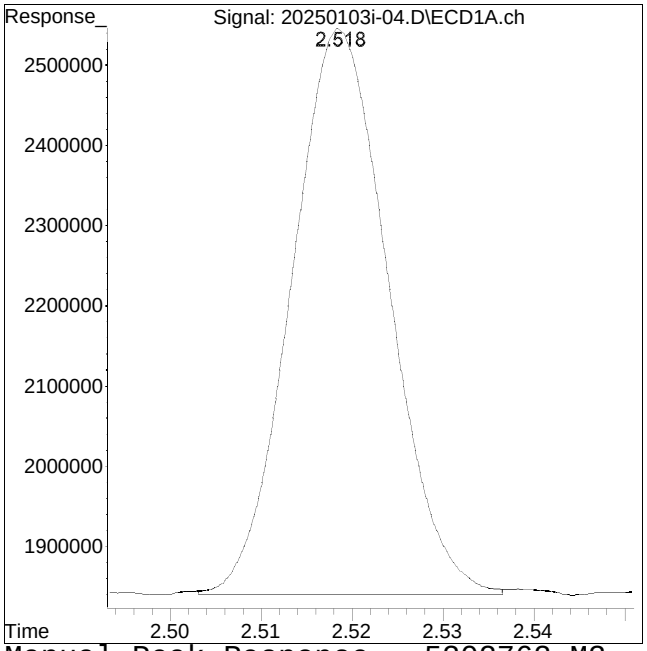
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-04.D
Date Inj'd : 1/3/2025 12:17
Sample : il2pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:13 am

Compound #3: Hexachlorobenzene





Original Peak Response = 5234732 Manual Peak Response = 5202762 M3

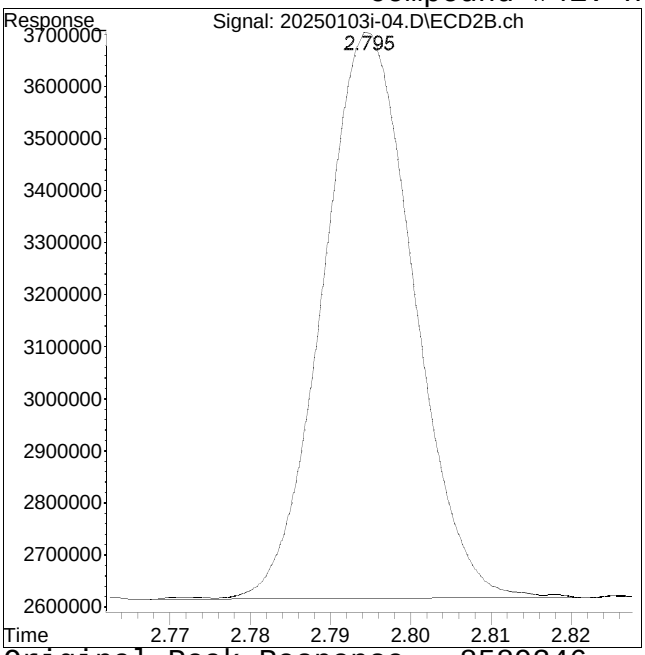
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

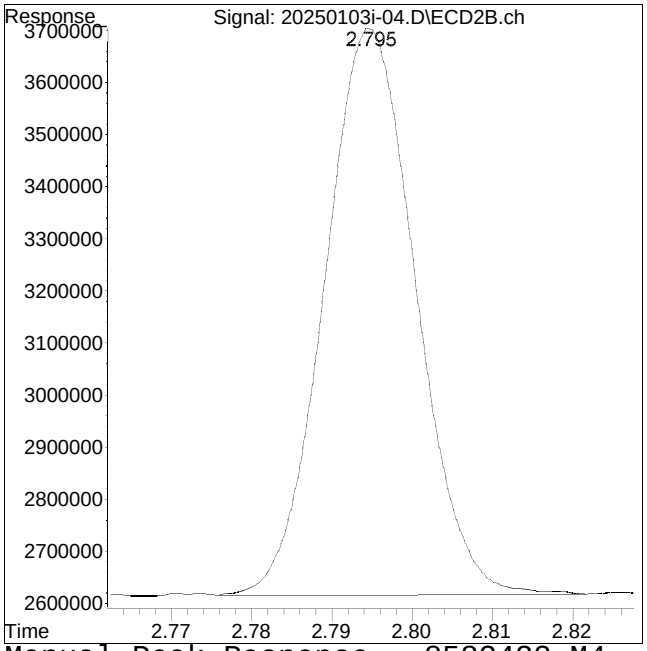
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-04.D
Date Inj'd : 1/3/2025 12:17
Sample : il2pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:13 am

Compound #41: Hexachlorobenzene #2



Original Peak Response = 8589346



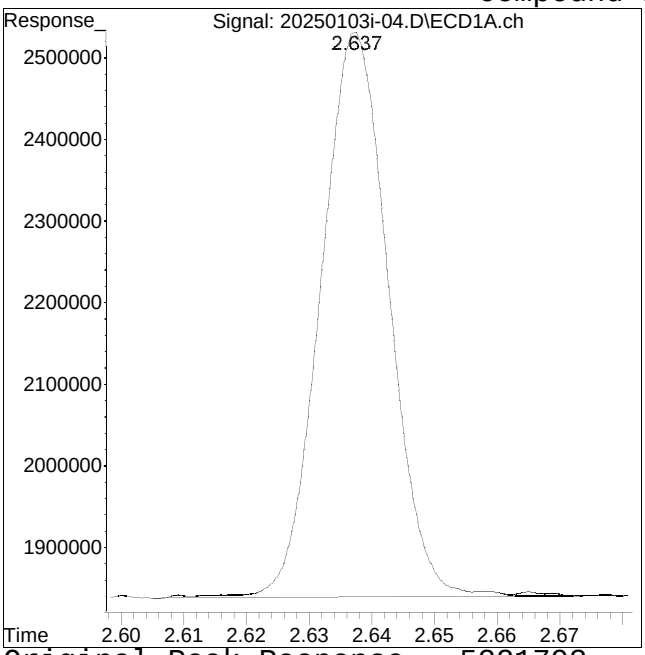
Manual Peak Response = 8583422 M4

M4 = Poor automated baseline construction.

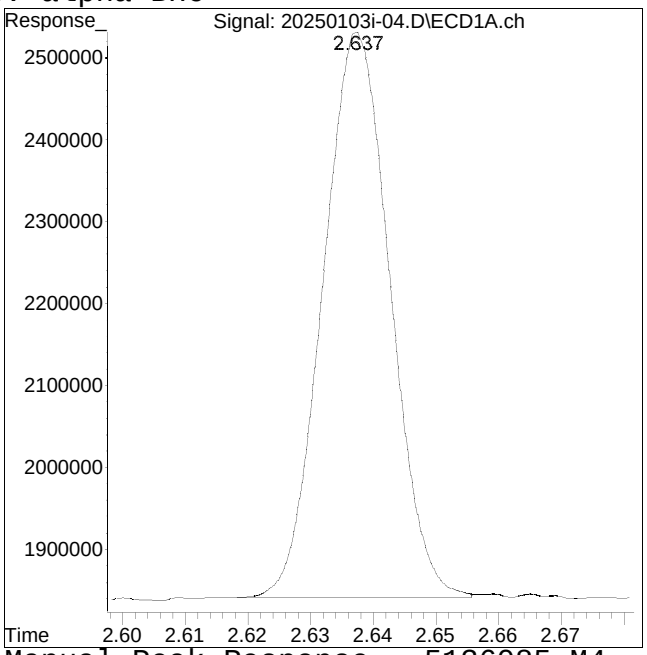
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q Method : pest20_2025_01_03_ugL_IC
Data File : 20250103i-04.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:17 Instrument : PEST 20
Sample : il2pest,42e,,pp 11941 L0.0 Quant Date : 1/6/2025 11:13 am

Compound #4: alpha-BHC



Original Peak Response = 5221793



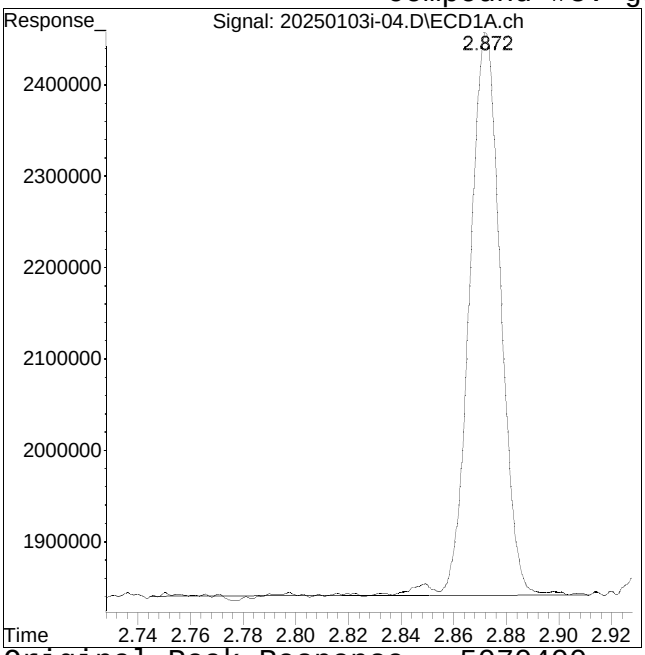
Manual Peak Response = 5136085 M4

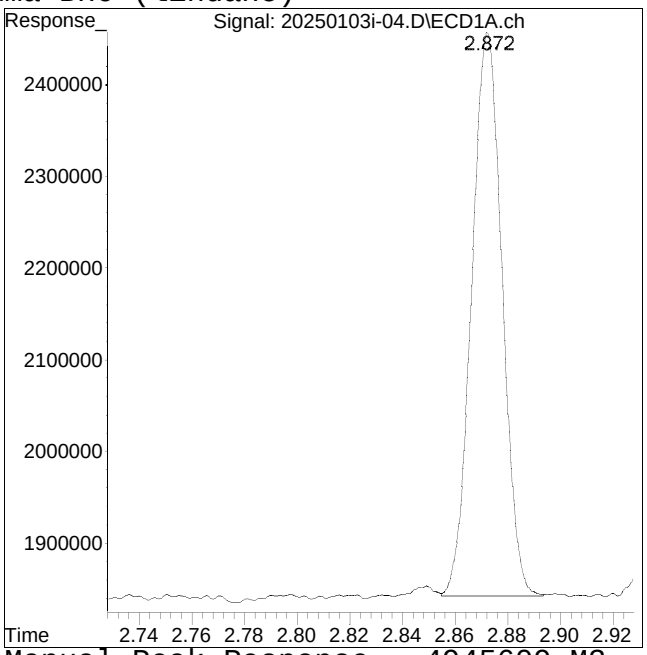
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-04.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:17 Instrument : PEST 20
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 11:13 am

Compound #5: gamma-BHC (lindane)





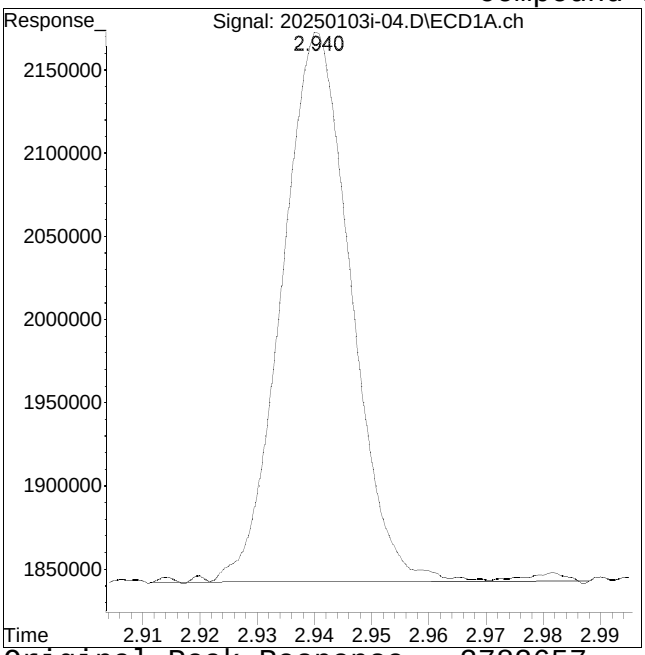
Original Peak Response = 5070400 Manual Peak Response = 4945609 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

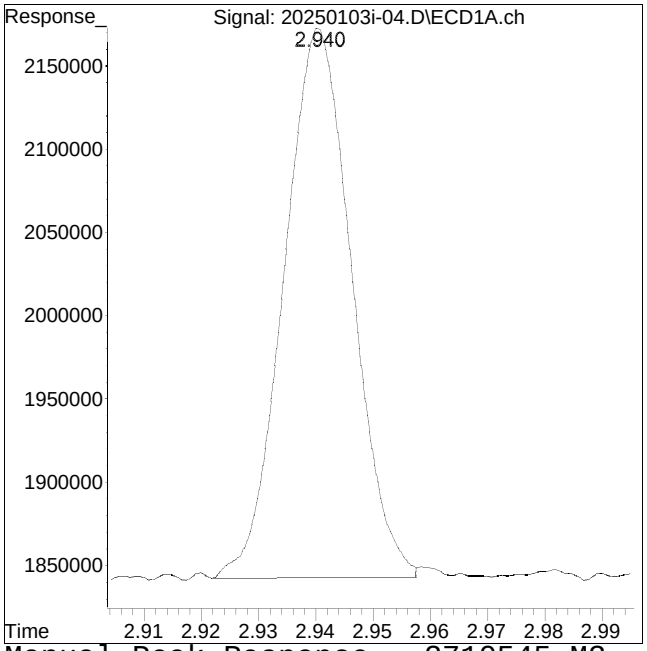
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-04.D
Date Inj'd : 1/3/2025 12:17
Sample : il2pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:13 am

Compound #6: beta-BHC





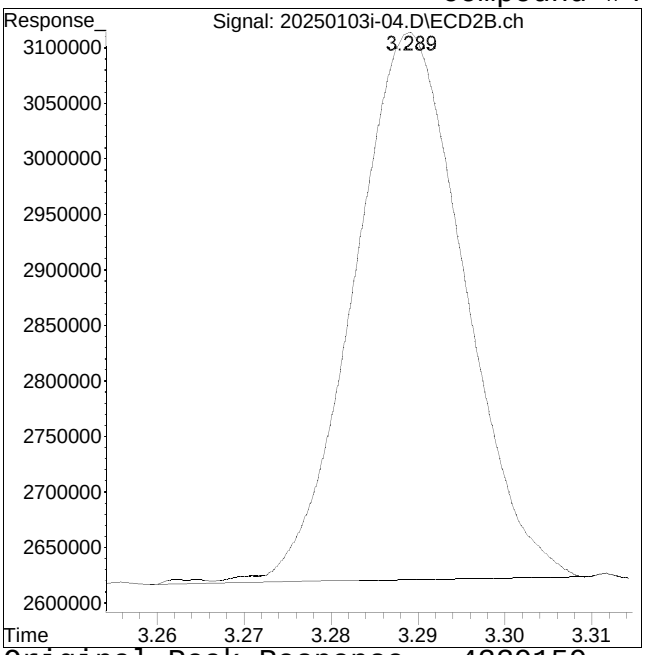
Original Peak Response = 2782657 Manual Peak Response = 2710545 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

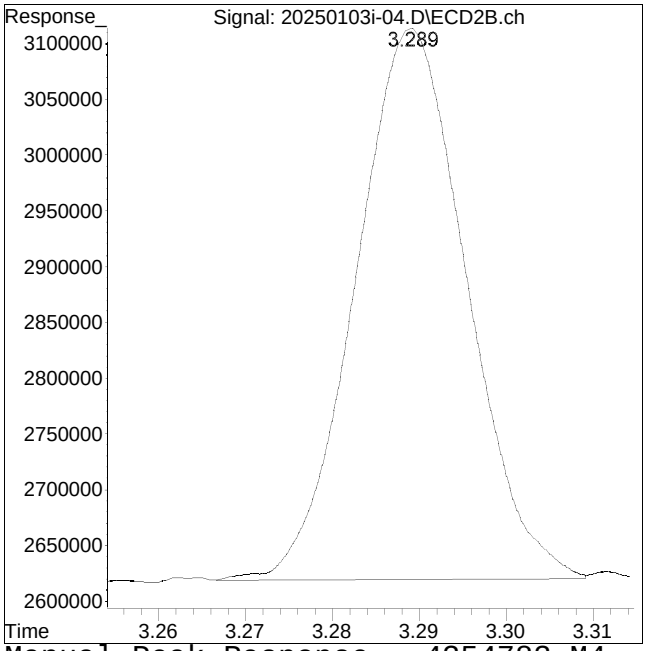
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-04.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:17 Instrument : PEST 20
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 11:13 am

Compound #44: beta-BHC #2



Original Peak Response = 4339159



Manual Peak Response = 4354783 M4

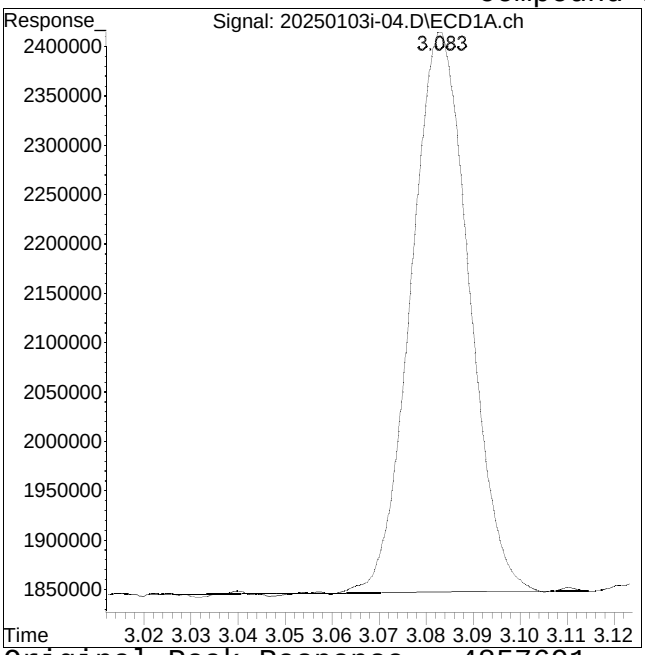
M4 = Poor automated baseline construction.

Manual Integration Report

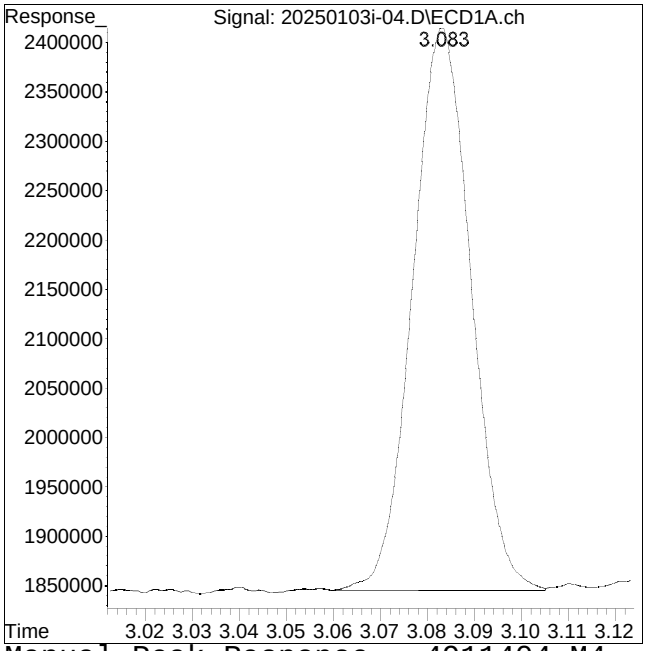
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-04.D
Date Inj'd : 1/3/2025 12:17
Sample : il2pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:13 am

Compound #7: delta-BHC



Original Peak Response = 4857691



Manual Peak Response = 4911404 M4

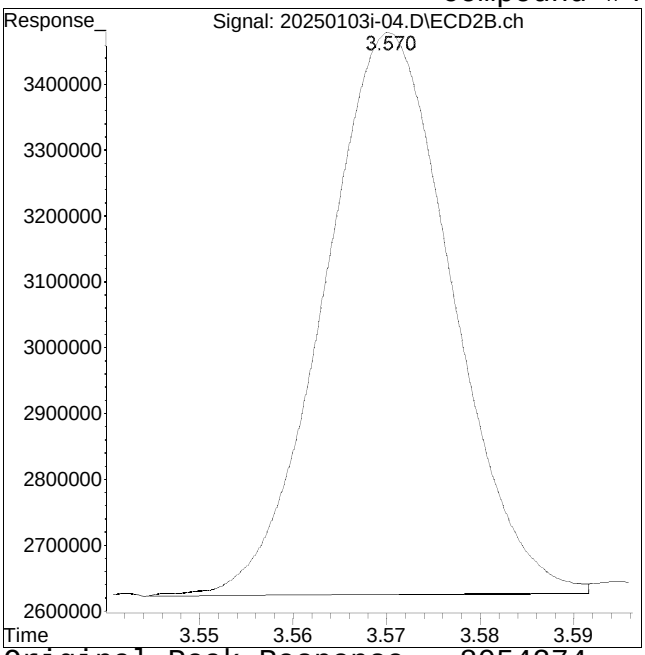
M4 = Poor automated baseline construction.

Manual Integration Report

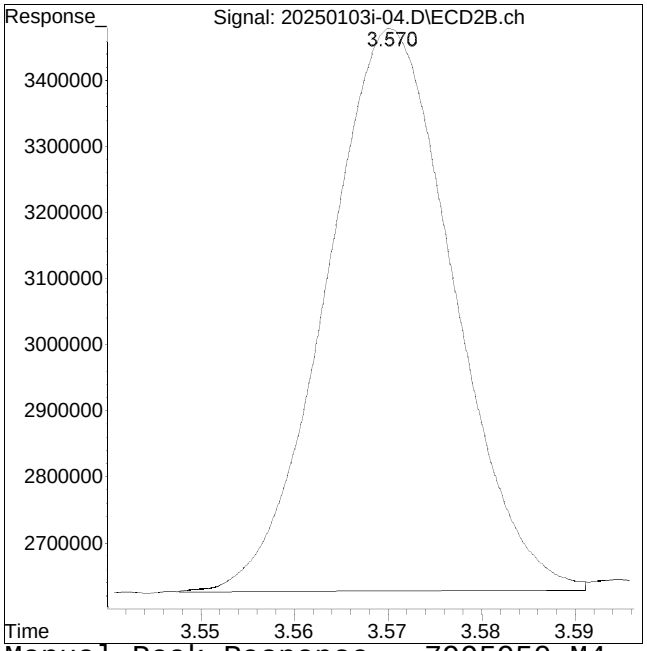
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-04.D
Date Inj'd : 1/3/2025 12:17
Sample : il2pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:13 am

Compound #45: delta-BHC #2



Original Peak Response = 8054274



Manual Peak Response = 7995950 M4

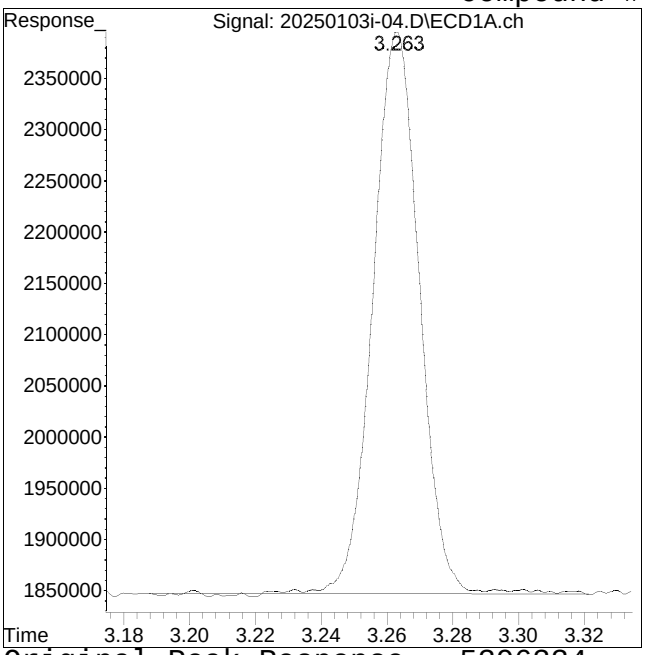
M4 = Poor automated baseline construction.

Manual Integration Report

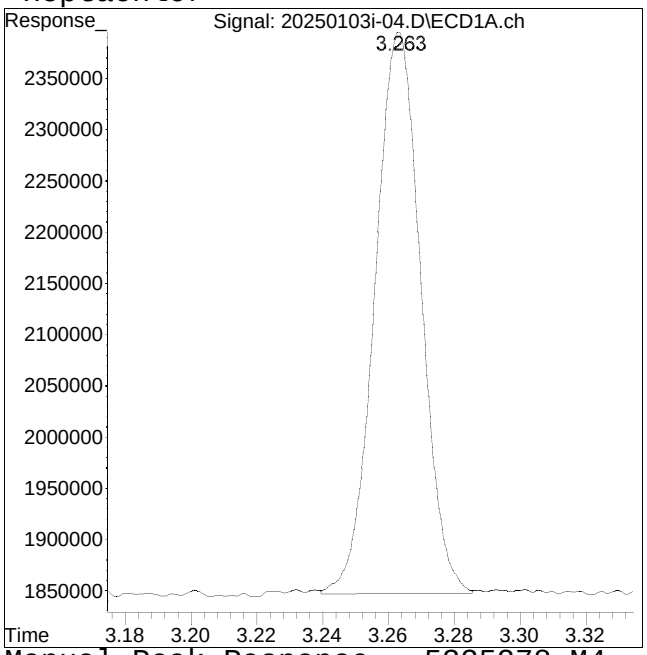
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-04.D
Date Inj'd : 1/3/2025 12:17
Sample : il2pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:13 am

Compound #8: Heptachlor



Original Peak Response = 5396334



Manual Peak Response = 5325278 M4

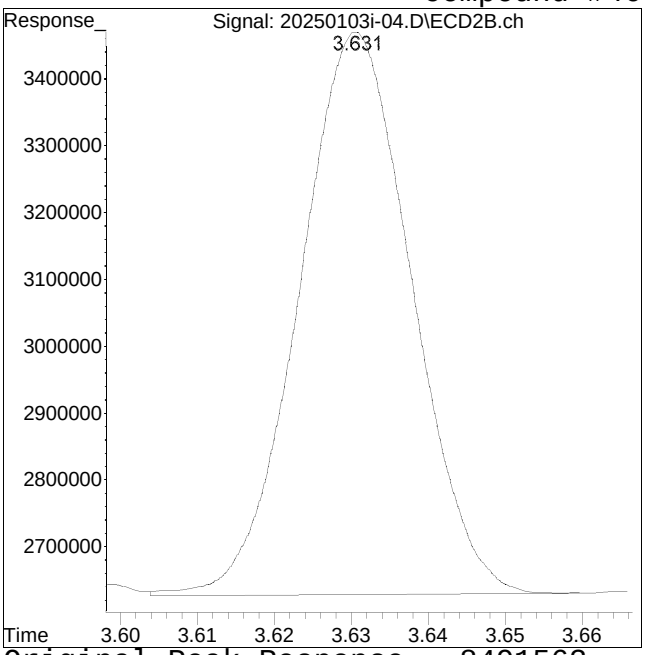
M4 = Poor automated baseline construction.

Manual Integration Report

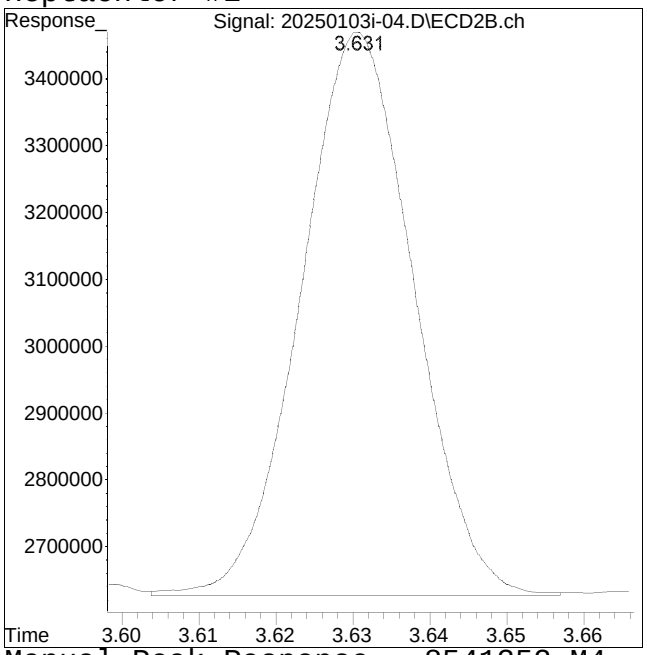
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-04.D
Date Inj'd : 1/3/2025 12:17
Sample : il2pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:13 am

Compound #46: Heptachlor #2



Original Peak Response = 8491563



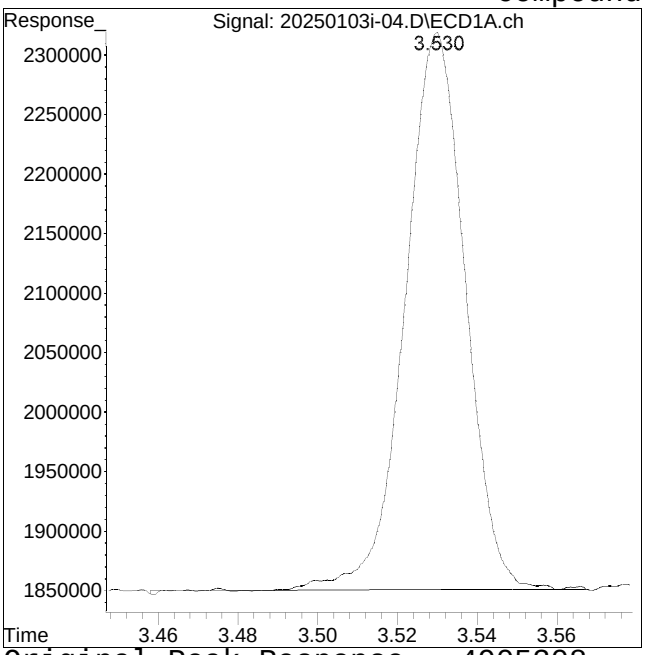
Manual Peak Response = 8541352 M4

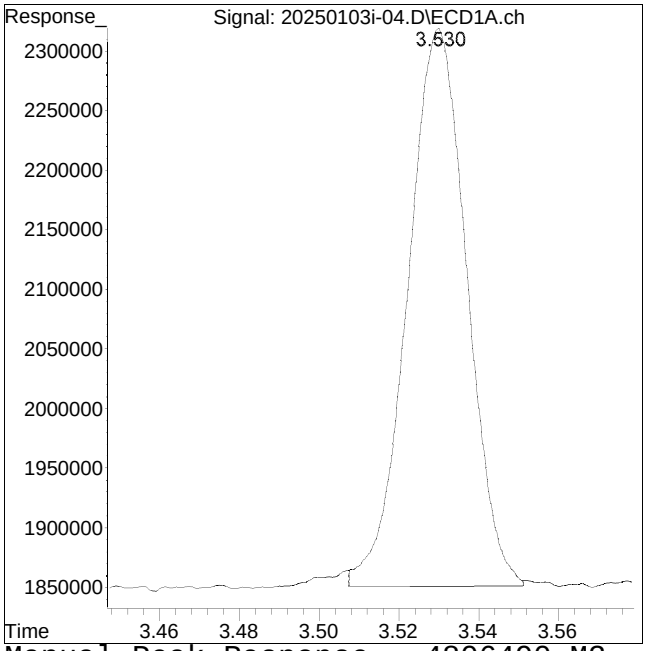
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-04.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:17 Instrument : PEST 20
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 11:13 am

Compound #9: Aldrin





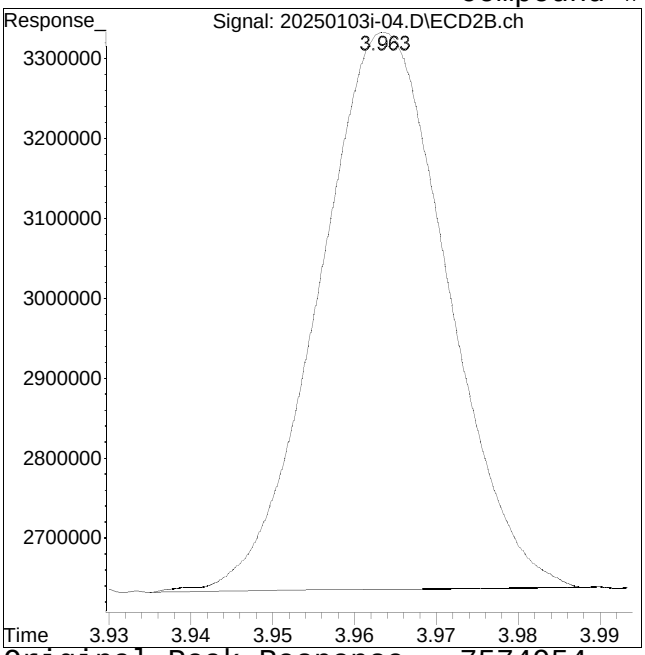
Original Peak Response = 4905308 Manual Peak Response = 4806490 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

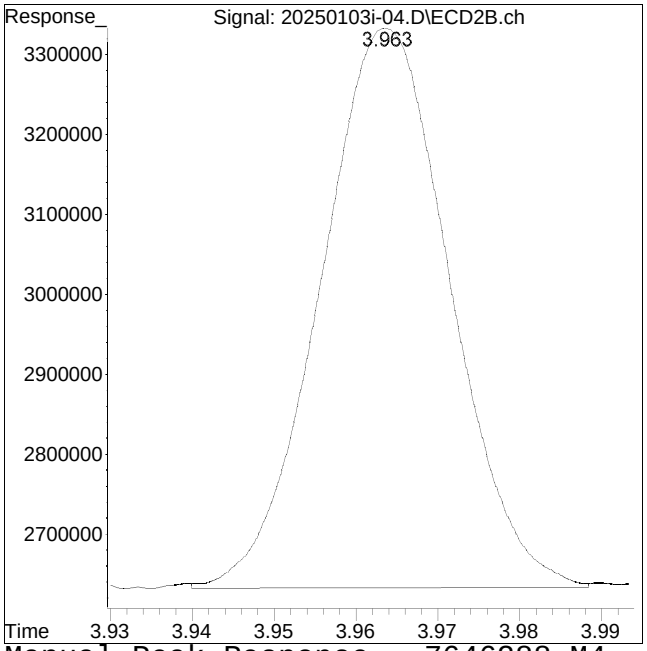
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-04.D
Date Inj'd : 1/3/2025 12:17
Sample : il2pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:13 am

Compound #47: Aldrin #2



Original Peak Response = 7574954



Manual Peak Response = 7646288 M4

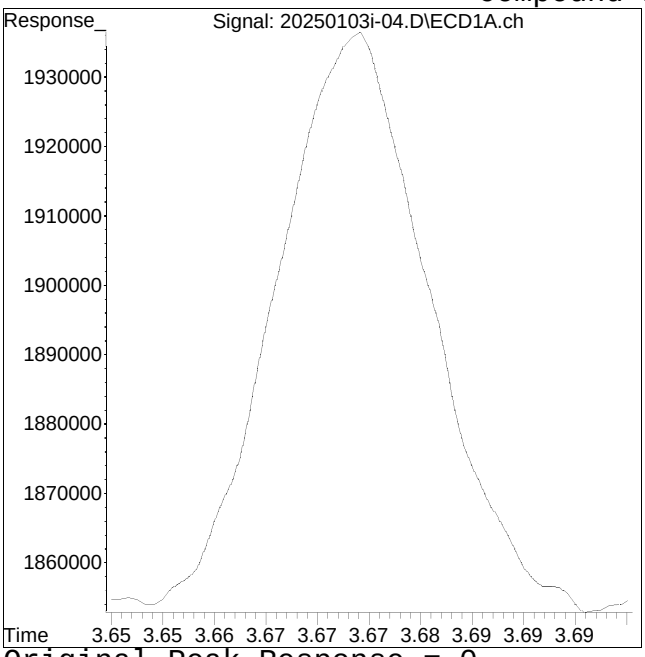
M4 = Poor automated baseline construction.

Manual Integration Report

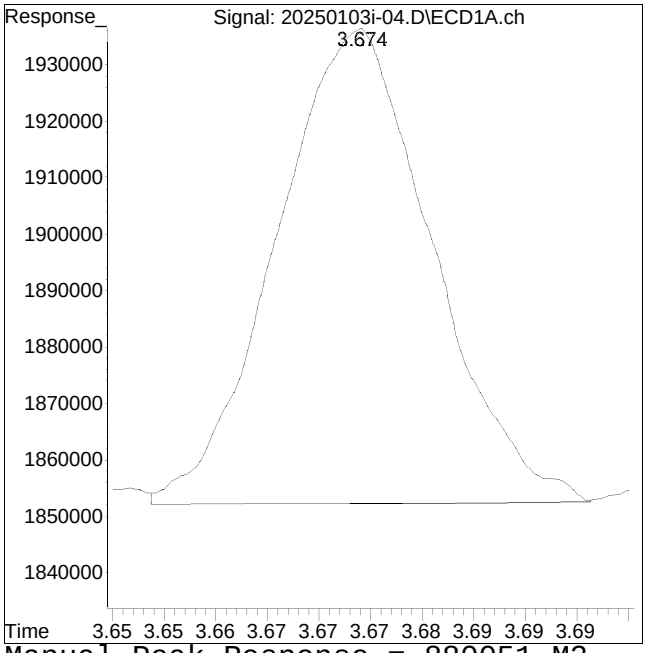
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-04.D
Date Inj'd : 1/3/2025 12:17
Sample : il2pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:13 am

Compound #10: Alachlor



Original Peak Response = 0



Manual Peak Response = 880051 M2

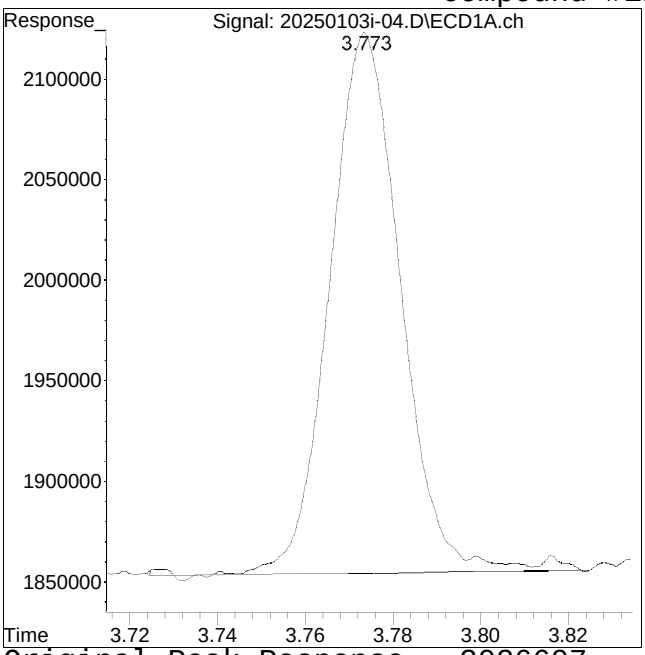
M2 = Peak not found by automatic integration algorithm.

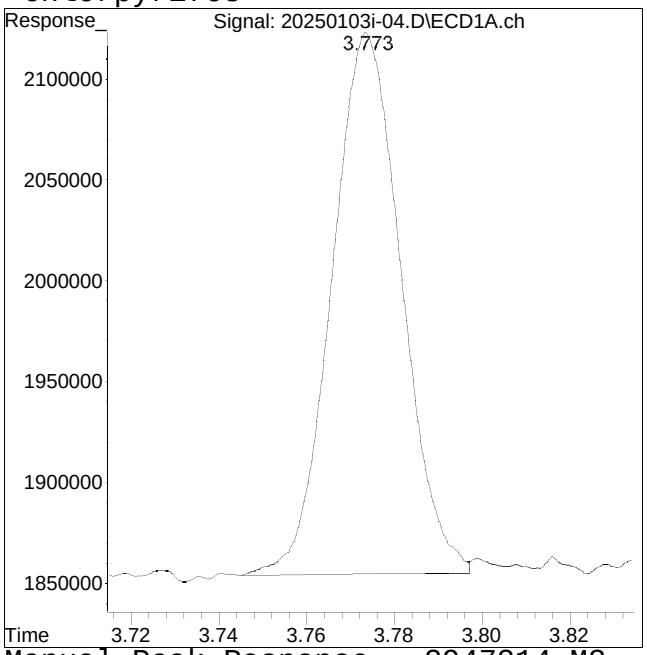
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-04.D
Date Inj'd : 1/3/2025 12:17
Sample : il2pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:13 am

Compound #11: Chlorpyrifos





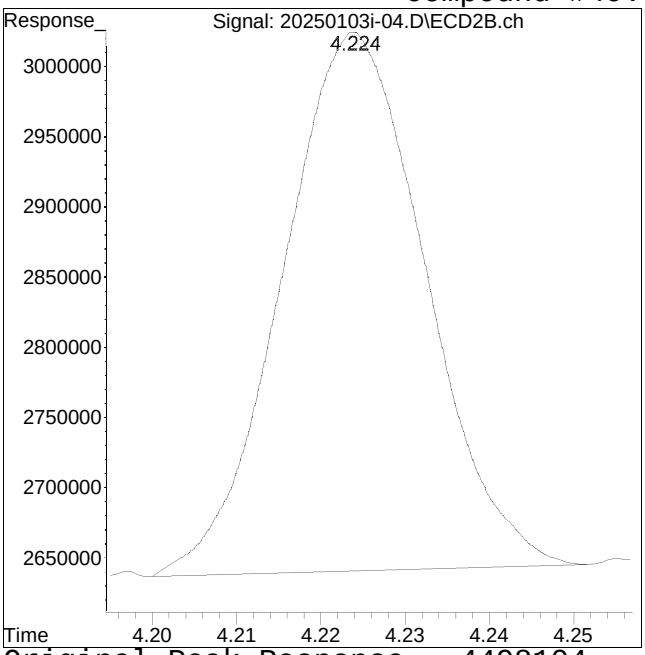
Original Peak Response = 3026607 Manual Peak Response = 2947214 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

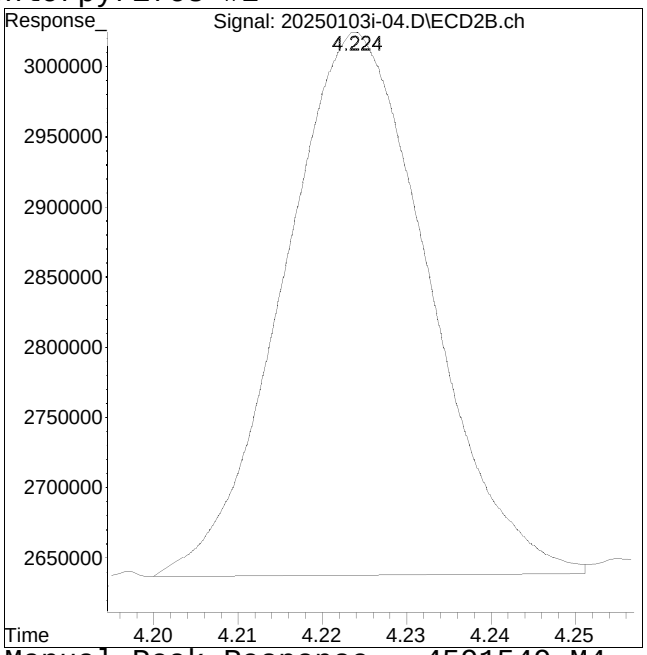
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-04.D
Date Inj'd : 1/3/2025 12:17
Sample : il2pest,42e,,pp 11941 L0.0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:13 am

Compound #49: Chlorpyrifos #2



Original Peak Response = 4498104



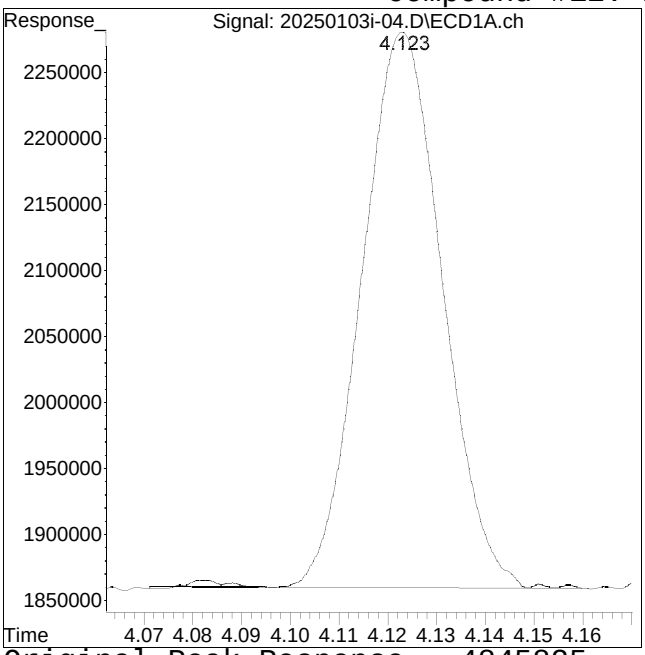
Manual Peak Response = 4591549 M4

M4 = Poor automated baseline construction.

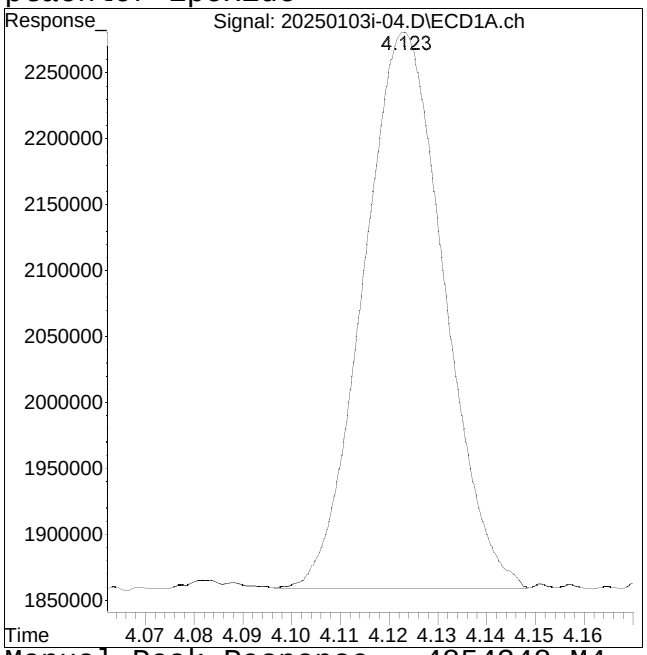
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-04.D
Date Inj'd : 1/3/2025 12:17
Sample : il2pest,42e,,pp 11941 L0.0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:13 am

Compound #12: Heptachlor Epoxide



Original Peak Response = 4845825



Manual Peak Response = 4854348 M4

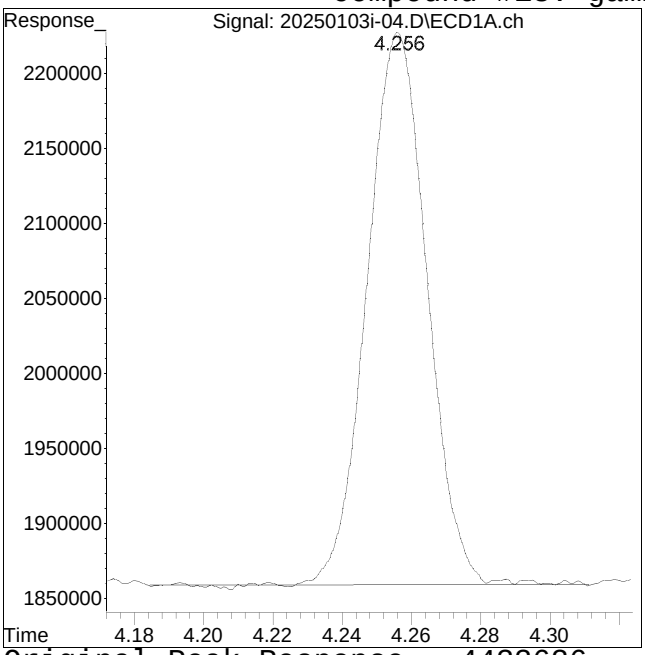
M4 = Poor automated baseline construction.

Manual Integration Report

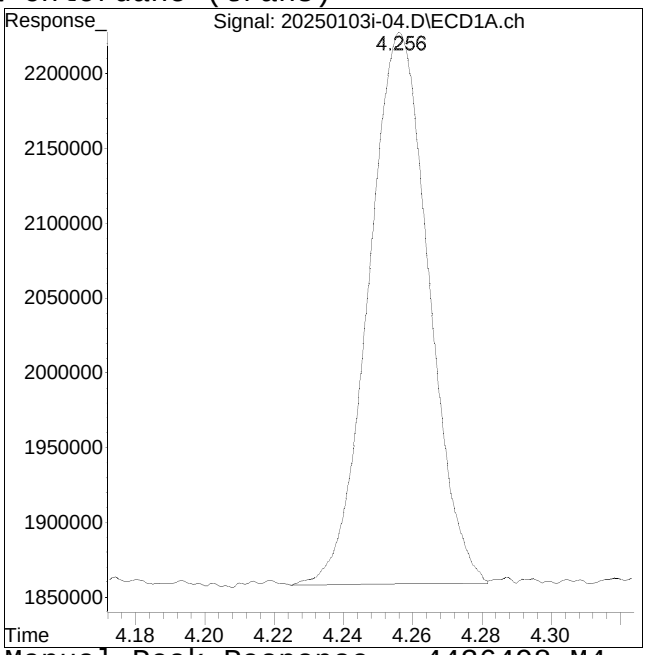
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-04.D
Date Inj'd : 1/3/2025 12:17
Sample : il2pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:13 am

Compound #13: gamma-Chlordane (trans)



Original Peak Response = 4433626



Manual Peak Response = 4436498 M4

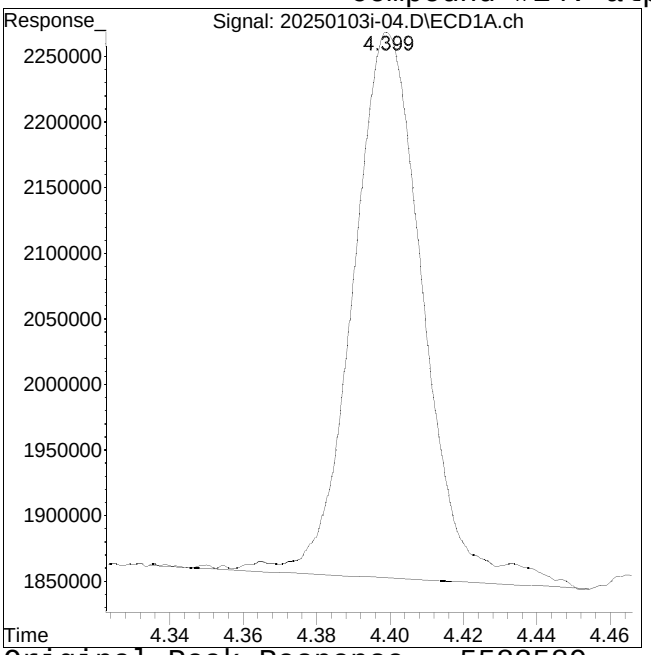
M4 = Poor automated baseline construction.

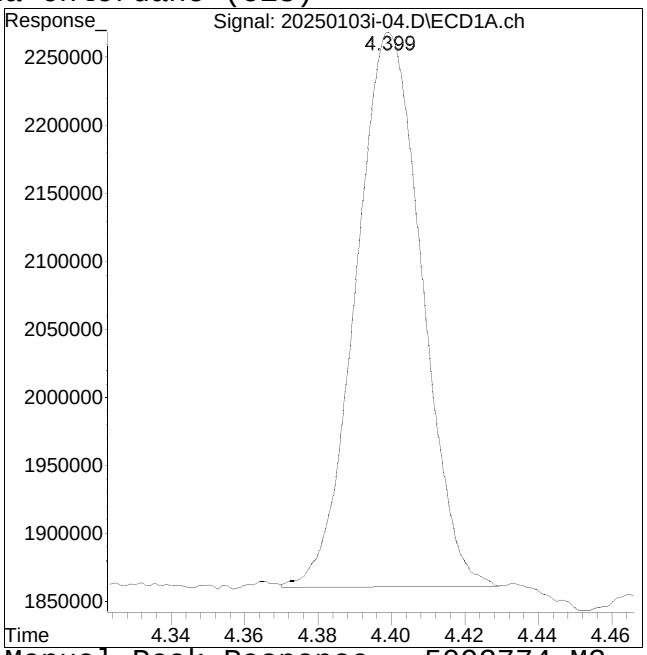
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-04.D
Date Inj'd : 1/3/2025 12:17
Sample : il2pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:13 am

Compound #14: alpha-Chlordane (cis)





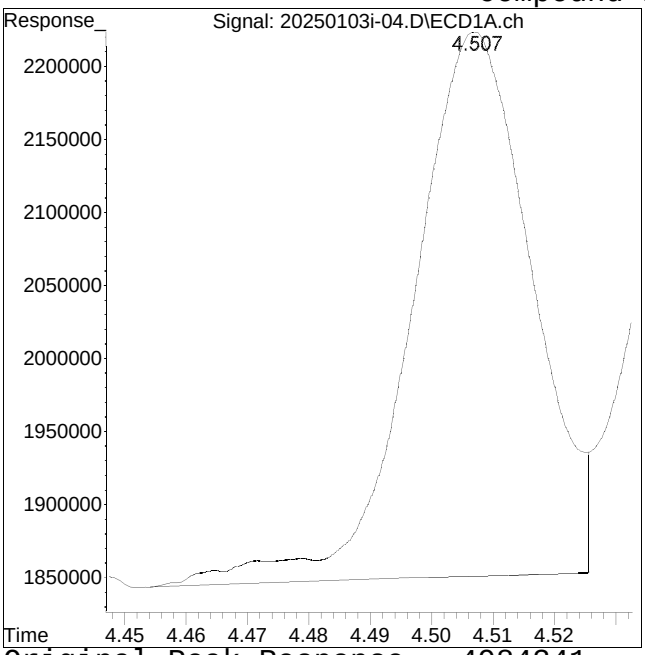
Original Peak Response = 5583589 Manual Peak Response = 5093774 M3

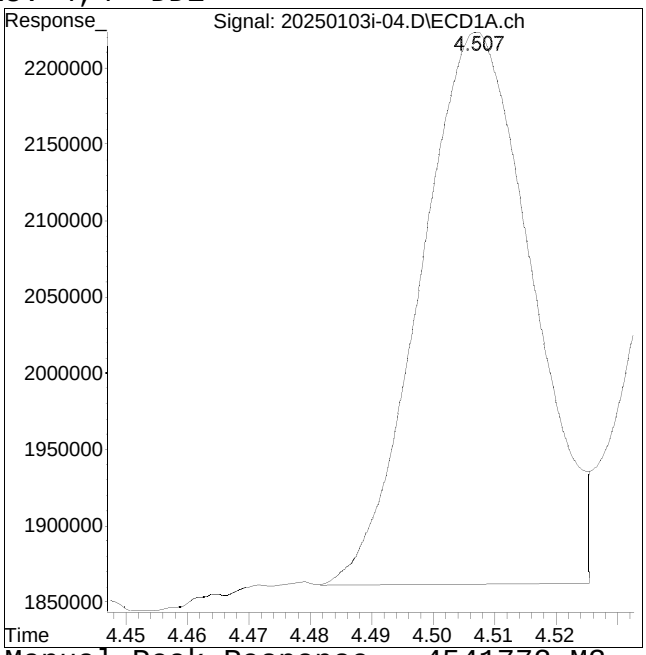
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-04.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:17 Instrument : PEST 20
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 11:13 am

Compound #15: 4,4'-DDE





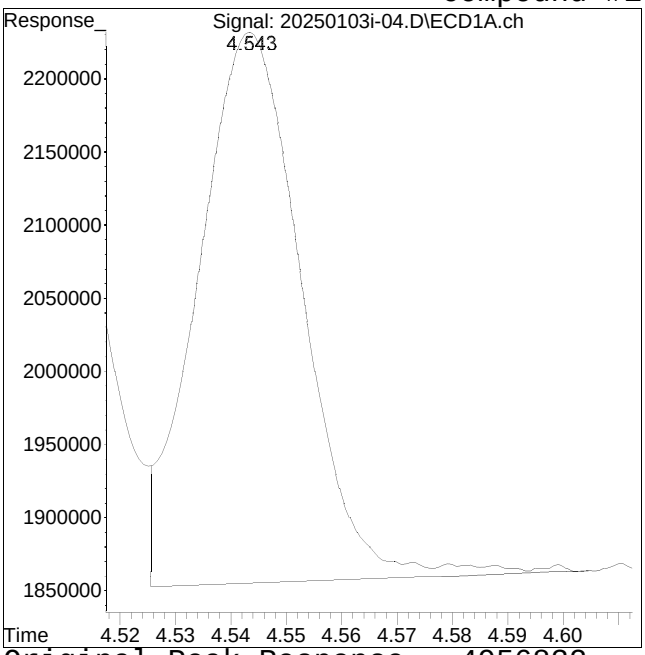
Original Peak Response = 4984341 Manual Peak Response = 4541772 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

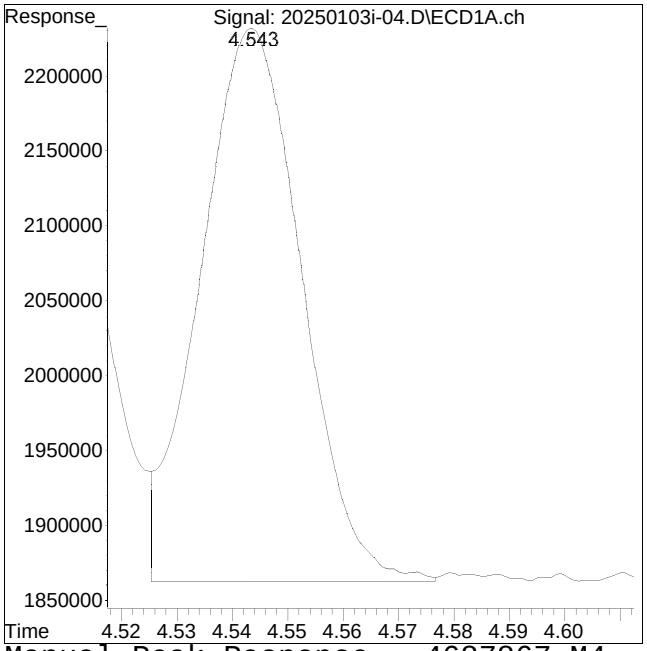
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-04.D
Date Inj'd : 1/3/2025 12:17
Sample : il2pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:13 am

Compound #16: Endosulfan I



Original Peak Response = 4956832



Manual Peak Response = 4687867 M4

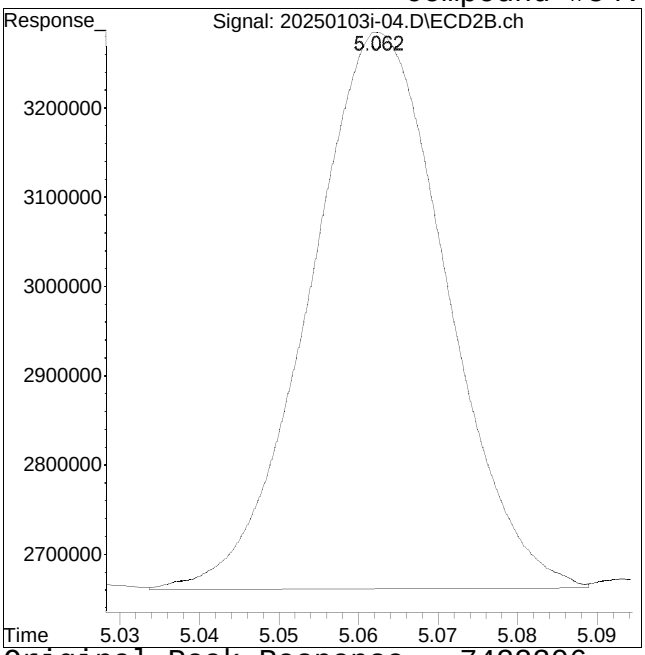
M4 = Poor automated baseline construction.

Manual Integration Report

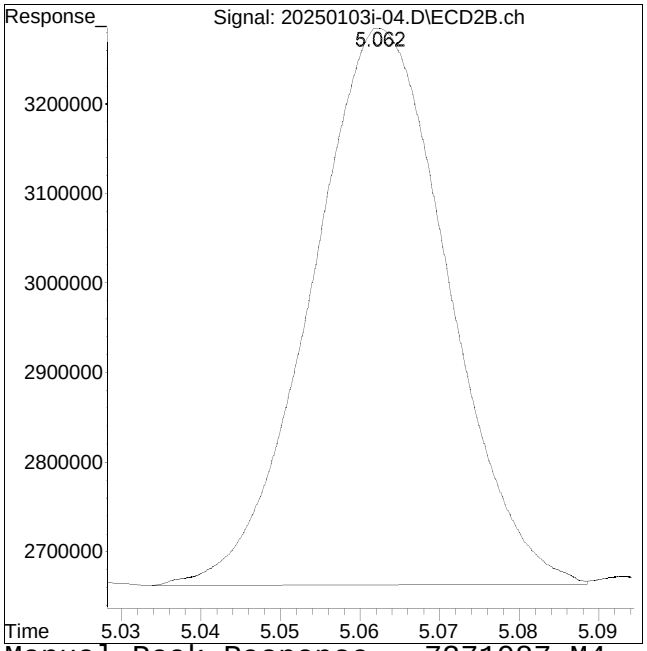
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-04.D
Date Inj'd : 1/3/2025 12:17
Sample : il2pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:13 am

Compound #54: Endosulfan I #2



Original Peak Response = 7422306



Manual Peak Response = 7371087 M4

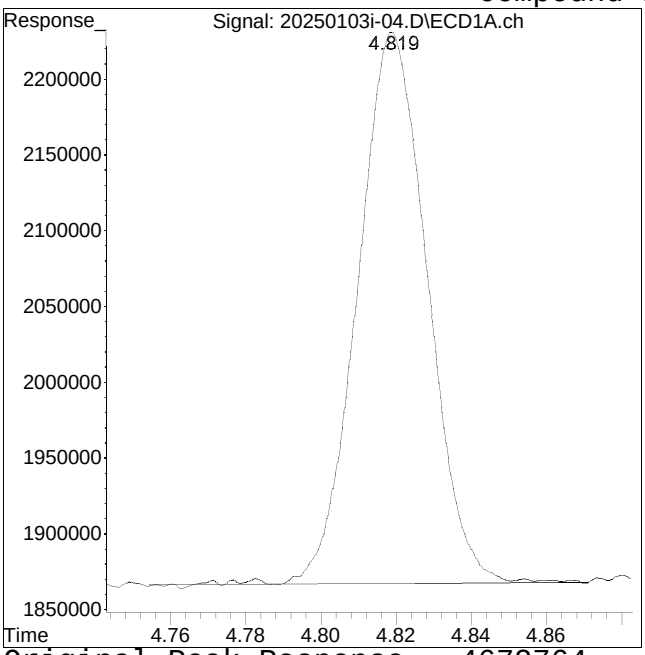
M4 = Poor automated baseline construction.

Manual Integration Report

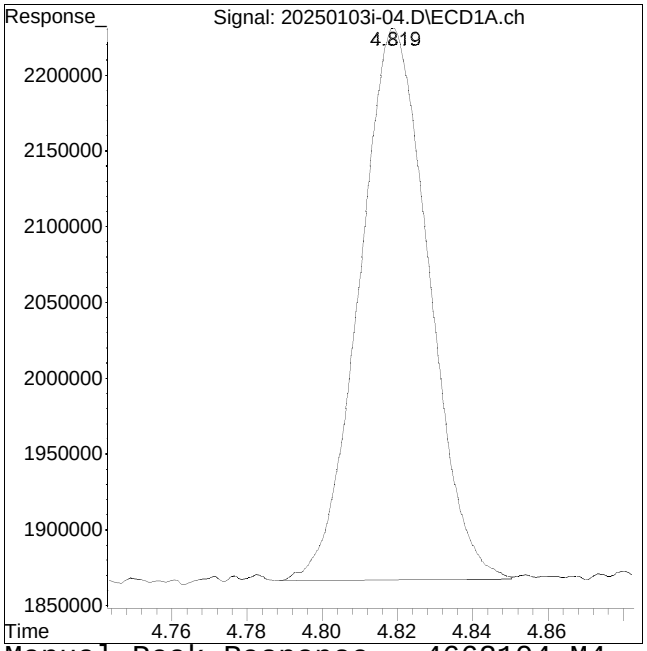
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-04.D
Date Inj'd : 1/3/2025 12:17
Sample : il2pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:13 am

Compound #17: Dieldrin



Original Peak Response = 4672764



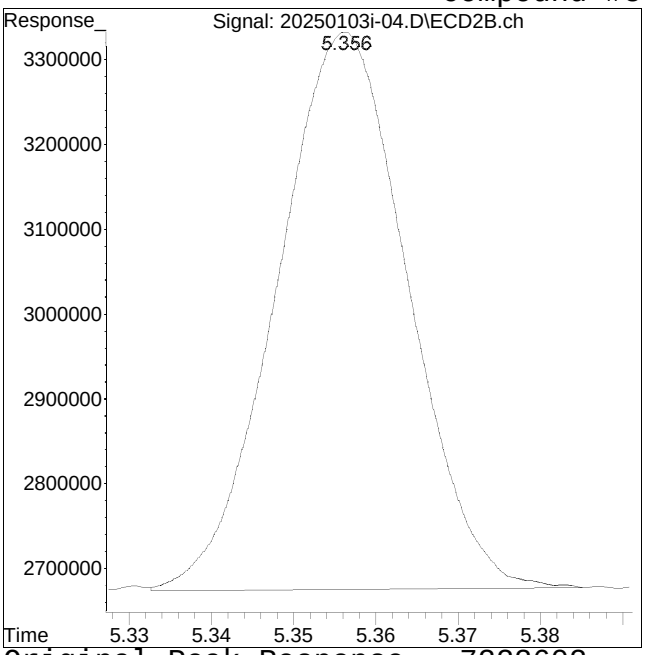
Manual Peak Response = 4662104 M4

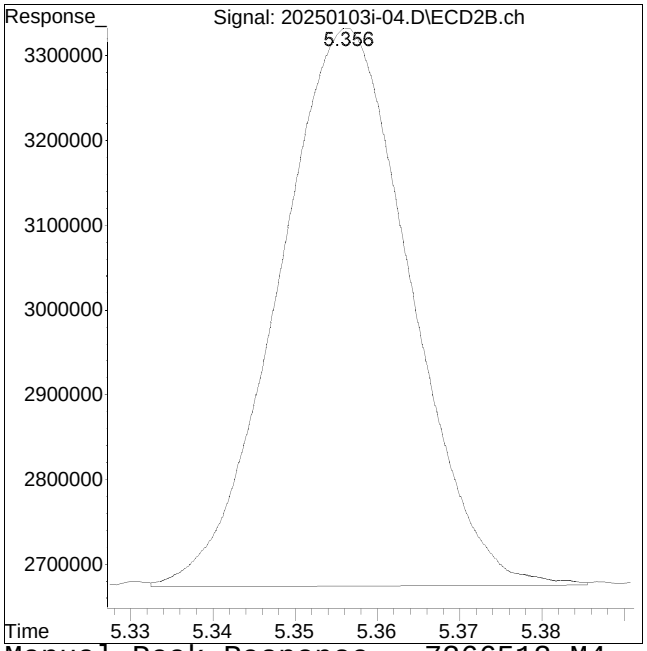
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q Method : pest20_2025_01_03_ugL_IC
Data File : 20250103i-04.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:17 Instrument : PEST 20
Sample : il2pest,42e,,pp 11941 L0.0 Quant Date : 1/6/2025 11:13 am

Compound #55: Dieldrin #2





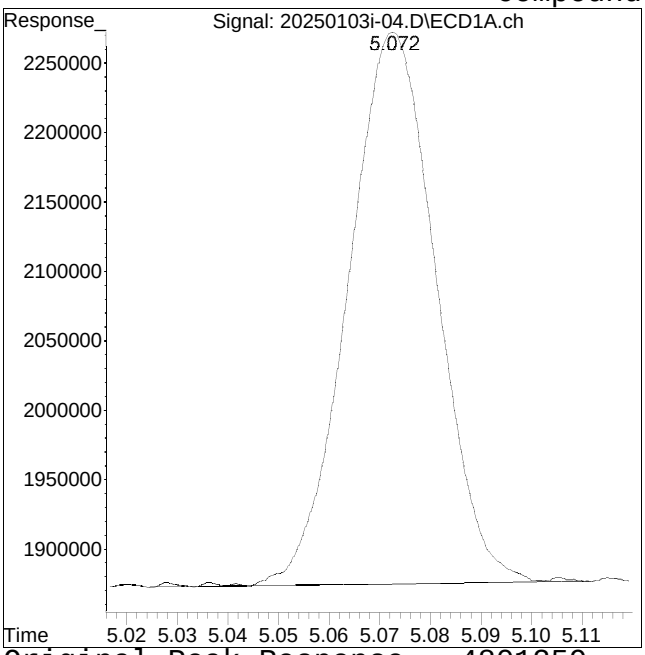
Original Peak Response = 7222602 Manual Peak Response = 7266512 M4
M4 = Poor automated baseline construction.

Manual Integration Report

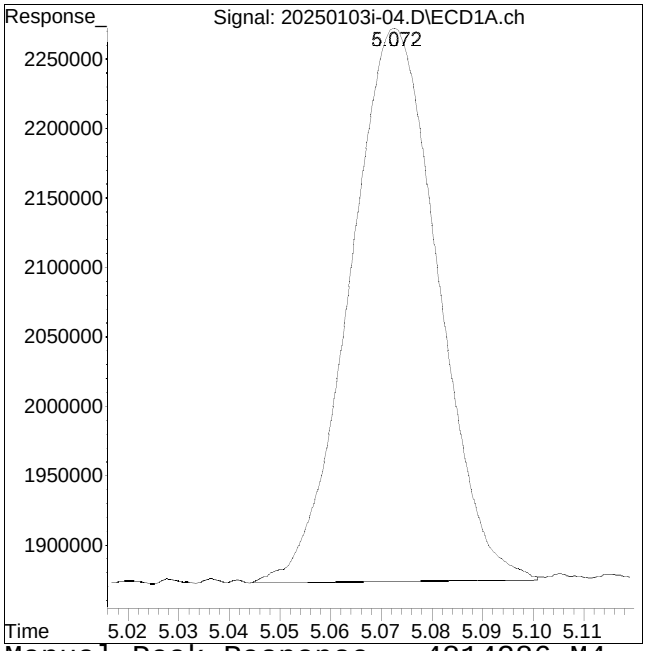
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-04.D
Date Inj'd : 1/3/2025 12:17
Sample : il2pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:13 am

Compound #18: Endrin



Original Peak Response = 4801259



Manual Peak Response = 4814286 M4

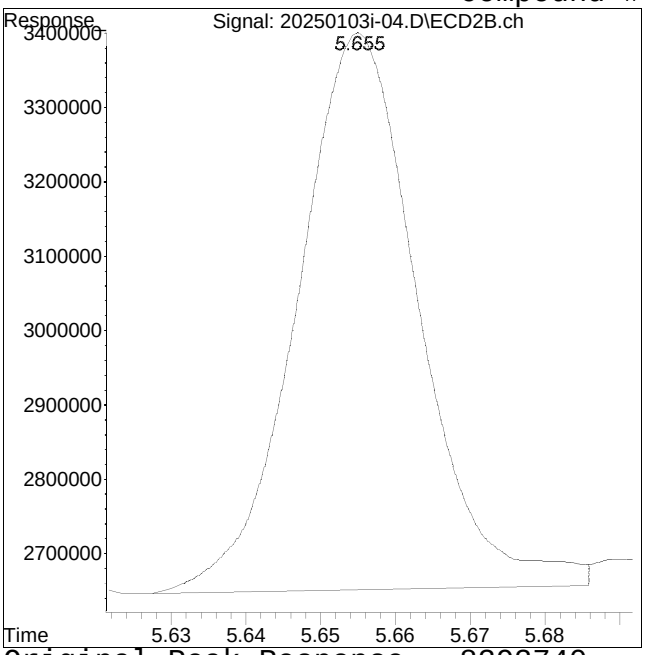
M4 = Poor automated baseline construction.

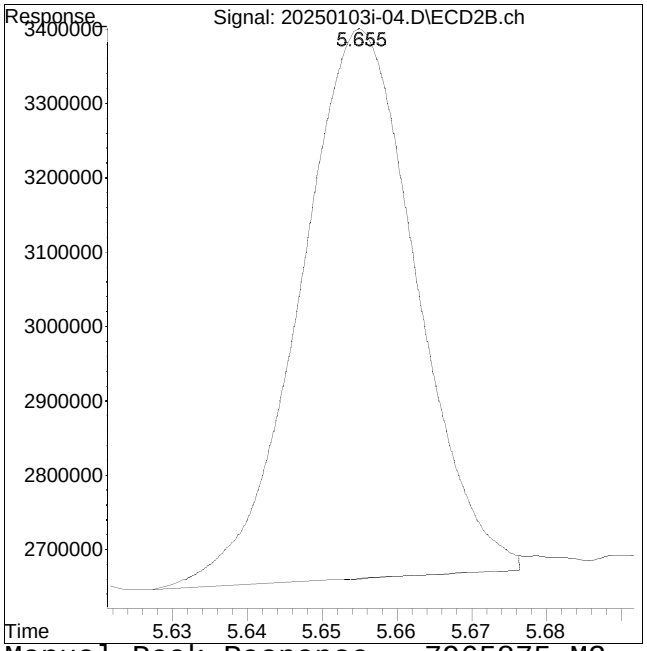
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-04.D
Date Inj'd : 1/3/2025 12:17
Sample : il2pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:13 am

Compound #56: Endrin #2





Original Peak Response = 8393740 Manual Peak Response = 7965875 M3

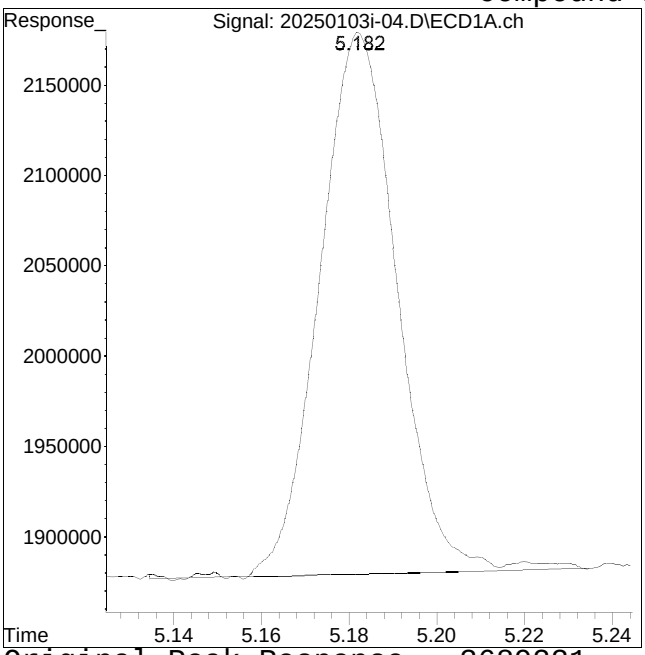
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

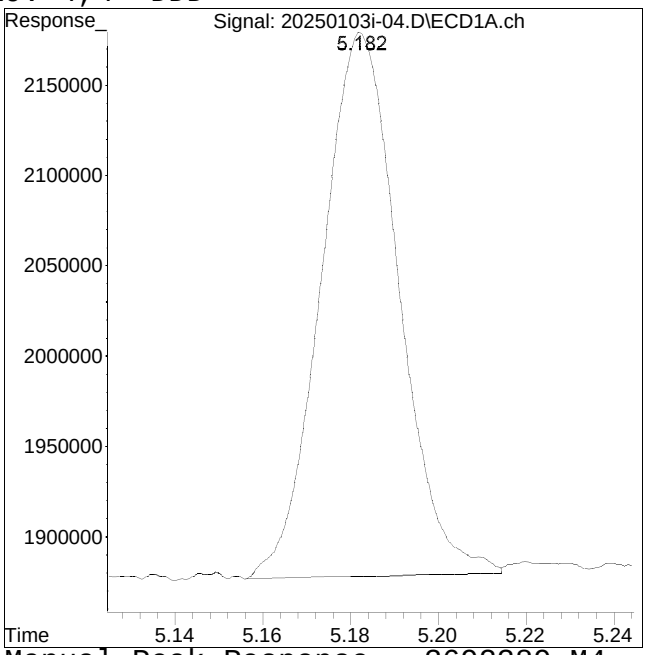
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-04.D
Date Inj'd : 1/3/2025 12:17
Sample : il2pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:13 am

Compound #19: 4,4'-DDD



Original Peak Response = 3689221



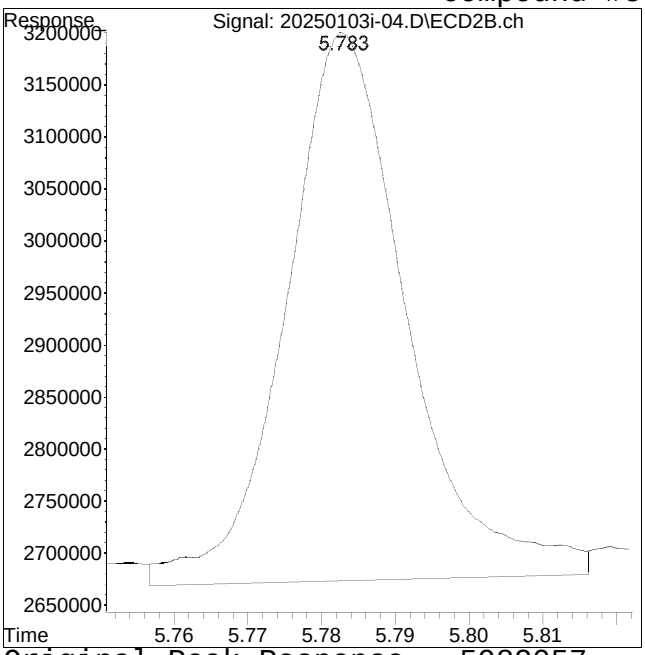
Manual Peak Response = 3692389 M4

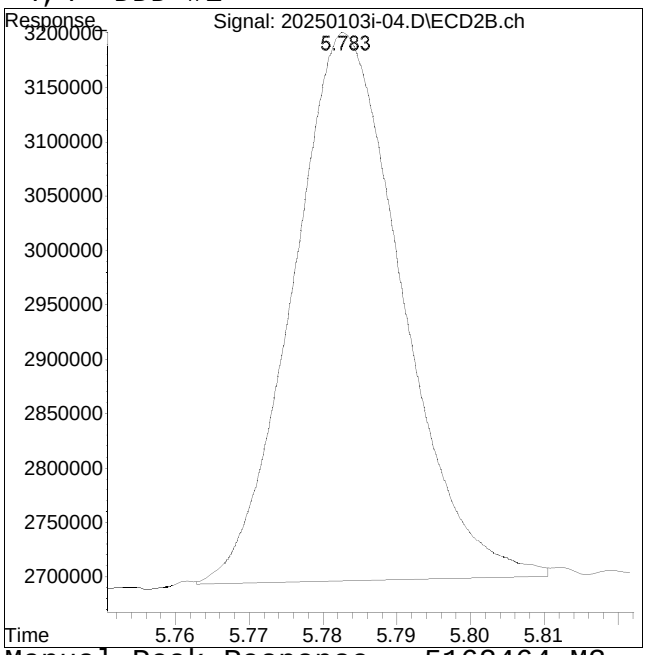
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-04.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:17 Instrument : PEST 20
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 11:13 am

Compound #57: 4,4'-DDD #2



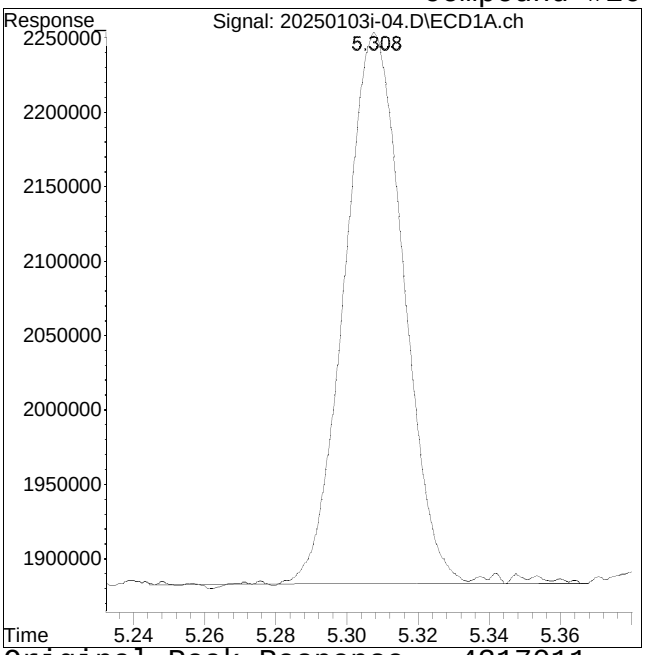


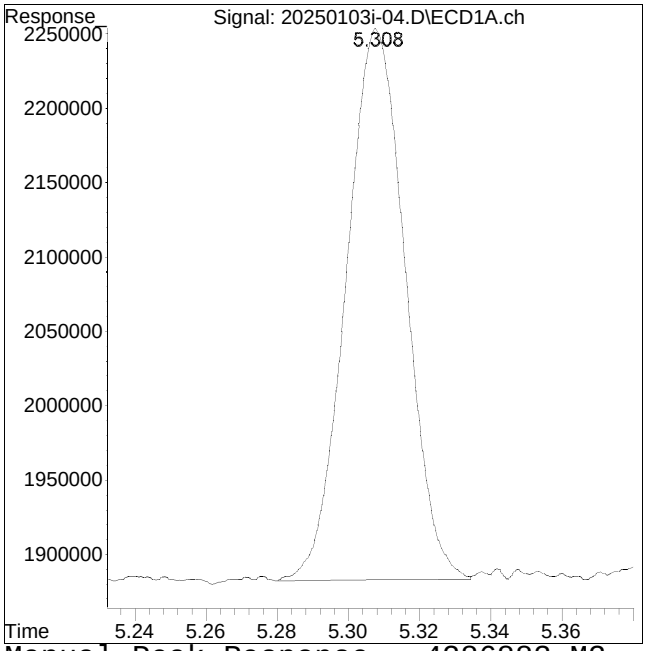
Original Peak Response = 5982057 Manual Peak Response = 5162464 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-04.D
Date Inj'd : 1/3/2025 12:17
Sample : il2pest,42e,,pp 11941 L0.0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:13 am

Compound #20: Endosulfan II



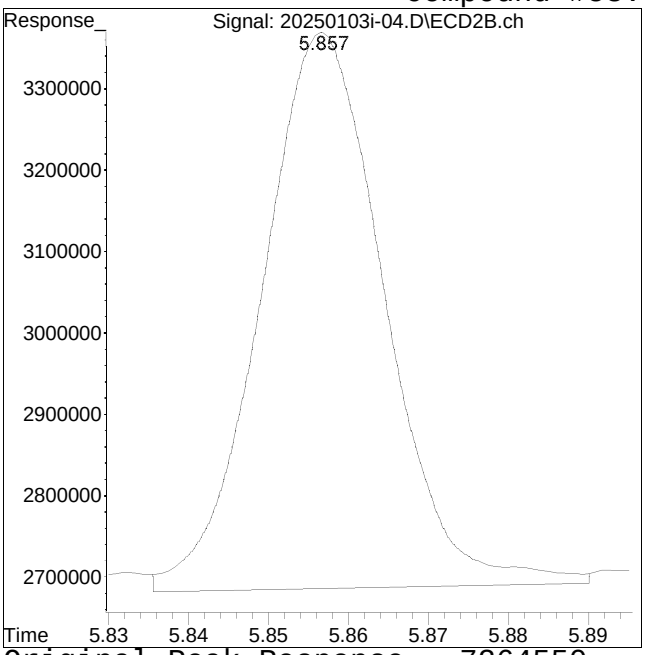


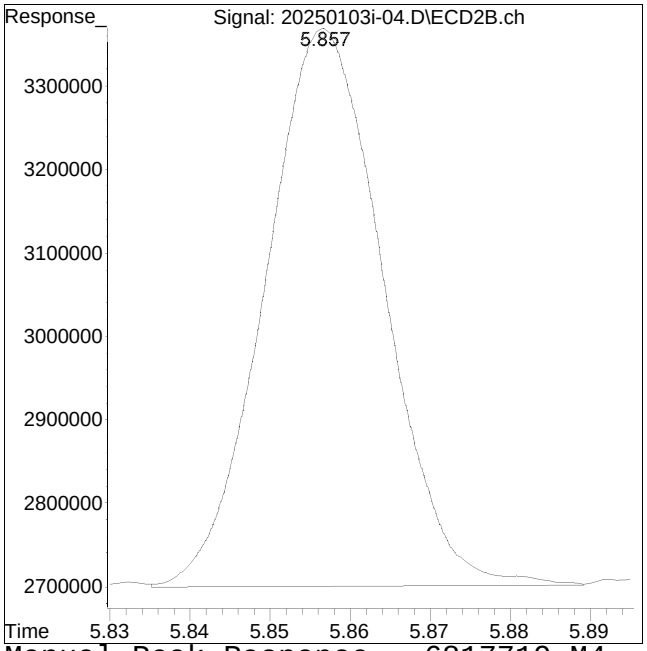
Original Peak Response = 4317011 Manual Peak Response = 4286883 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-04.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:17 Instrument : PEST 20
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 11:13 am

Compound #58: Endosulfan II #2





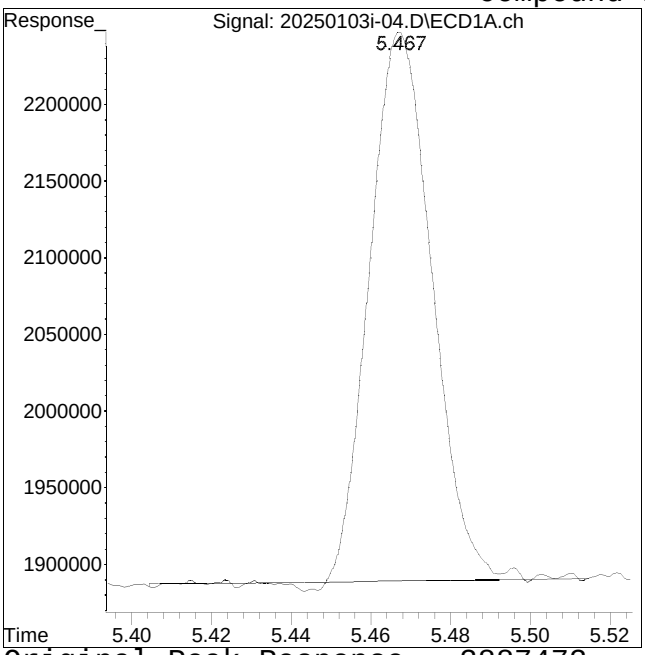
Original Peak Response = 7264550 Manual Peak Response = 6817719 M4
M4 = Poor automated baseline construction.

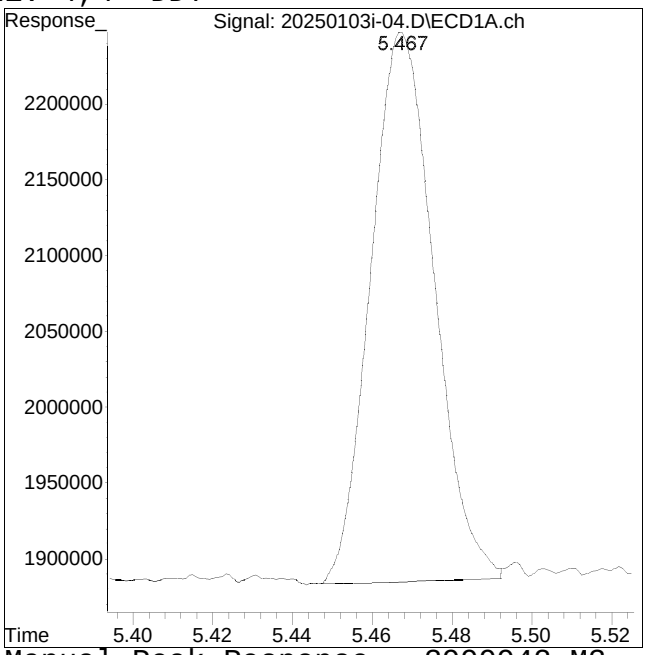
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-04.D
Date Inj'd : 1/3/2025 12:17
Sample : il2pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:13 am

Compound #21: 4,4'-DDT





Original Peak Response = 3887473 Manual Peak Response = 3999942 M3

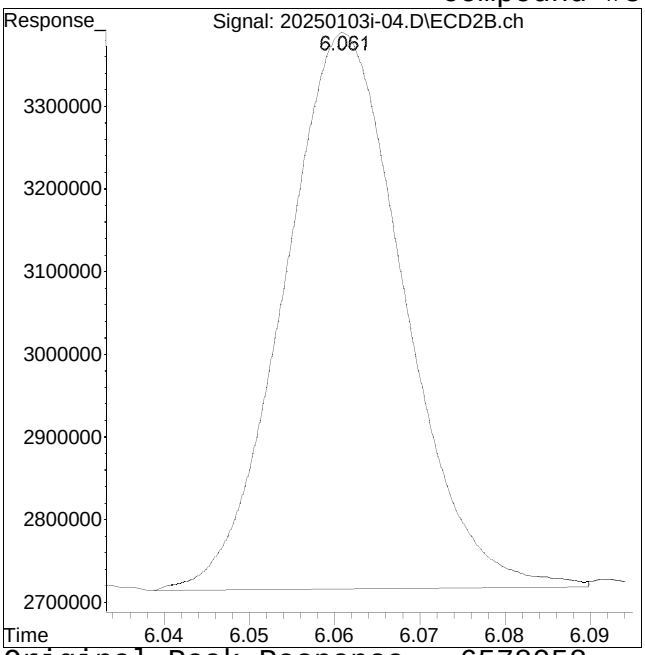
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

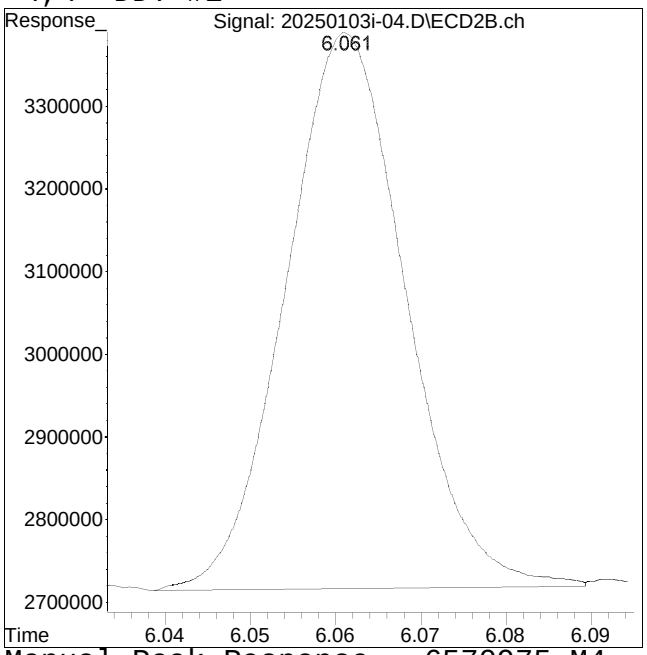
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-04.D
Date Inj'd : 1/3/2025 12:17
Sample : il2pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:13 am

Compound #59: 4,4'-DDT #2



Original Peak Response = 6578058



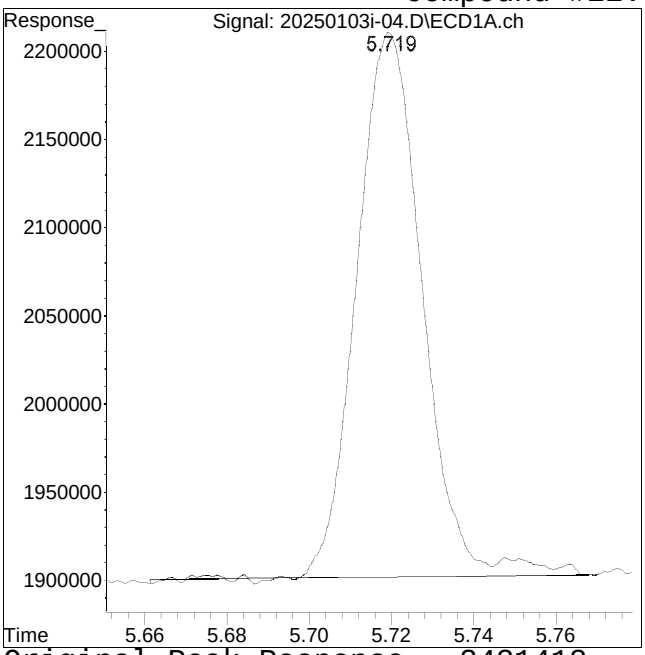
Manual Peak Response = 6570975 M4

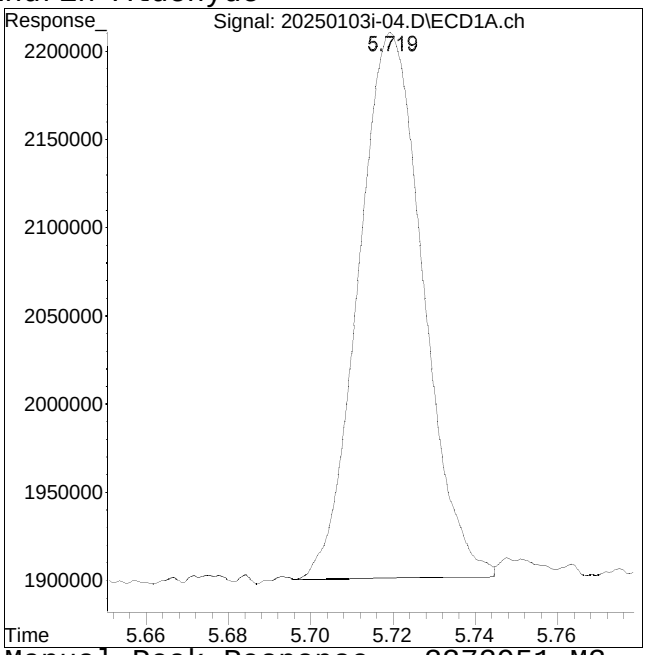
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-04.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:17 Instrument : PEST 20
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 11:13 am

Compound #22: Endrin Aldehyde



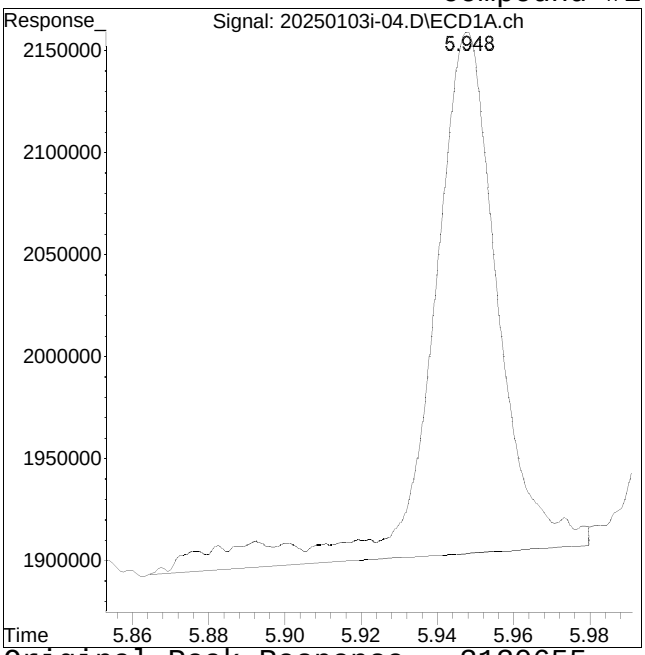


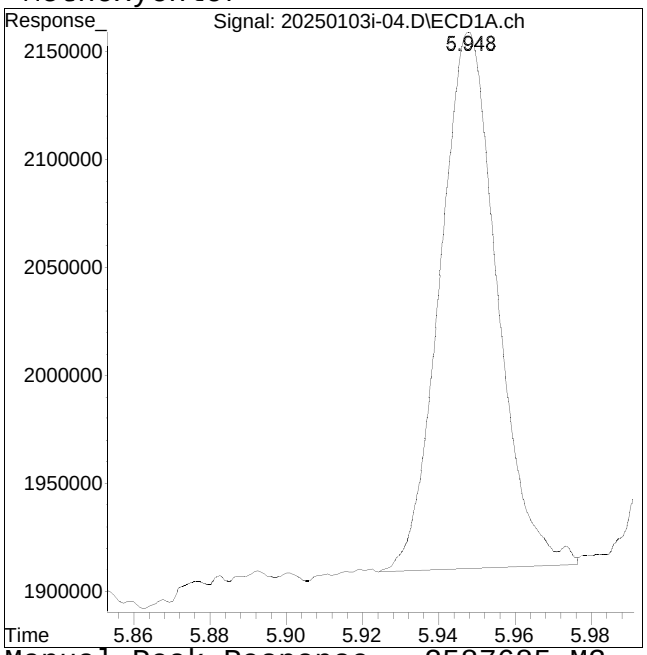
Original Peak Response = 3431412 Manual Peak Response = 3373951 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-04.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:17 Instrument : PEST 20
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 11:13 am

Compound #23: Methoxychlor





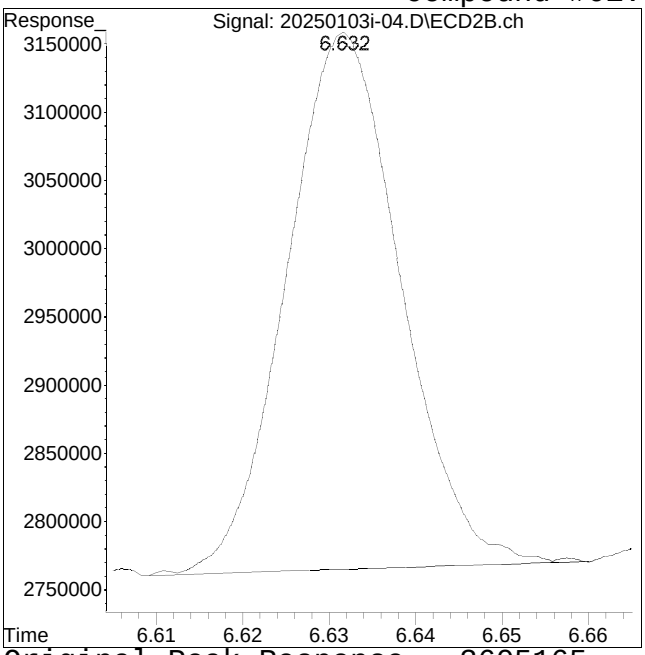
Original Peak Response = 3130655 Manual Peak Response = 2587685 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

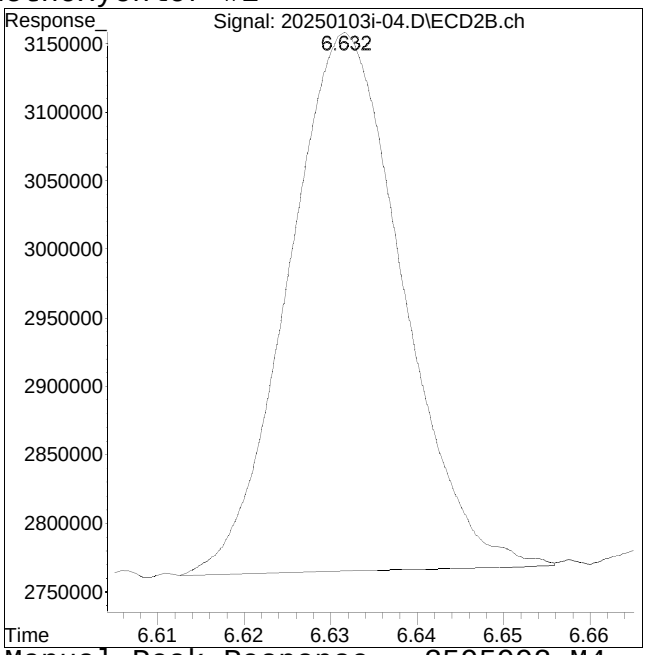
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-04.D
Date Inj'd : 1/3/2025 12:17
Sample : il2pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:13 am

Compound #61: Methoxychlor #2



Original Peak Response = 3605165



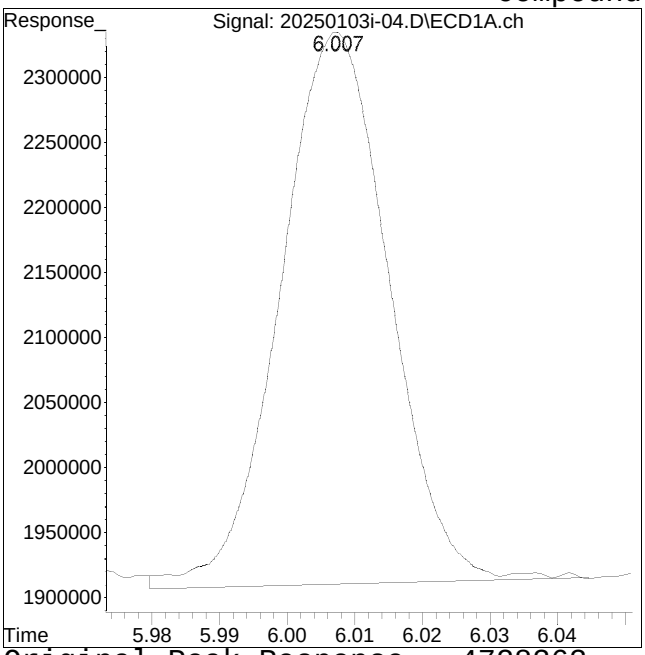
Manual Peak Response = 3595992 M4

M4 = Poor automated baseline construction.

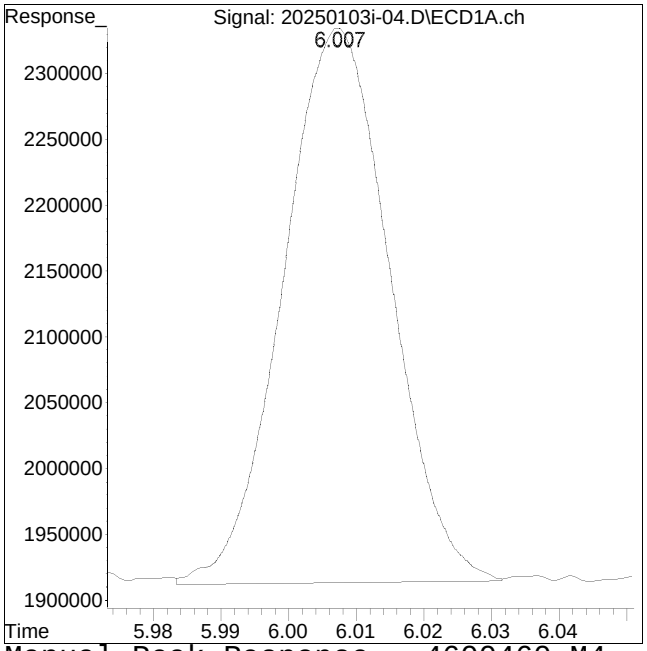
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-04.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:17 Instrument : PEST 20
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 11:13 am

Compound #24: Mirex



Original Peak Response = 4728363



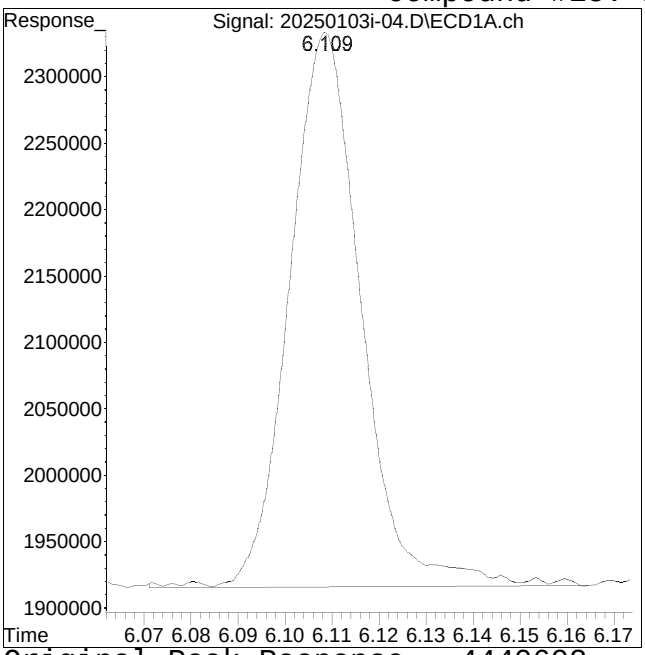
Manual Peak Response = 4600460 M4

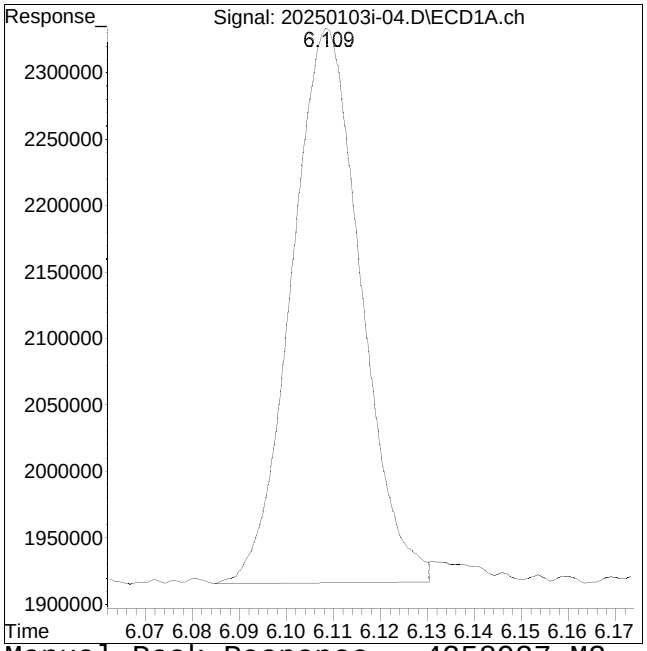
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-04.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:17 Instrument : PEST 20
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 11:13 am

Compound #25: Endosulfan Sulfate



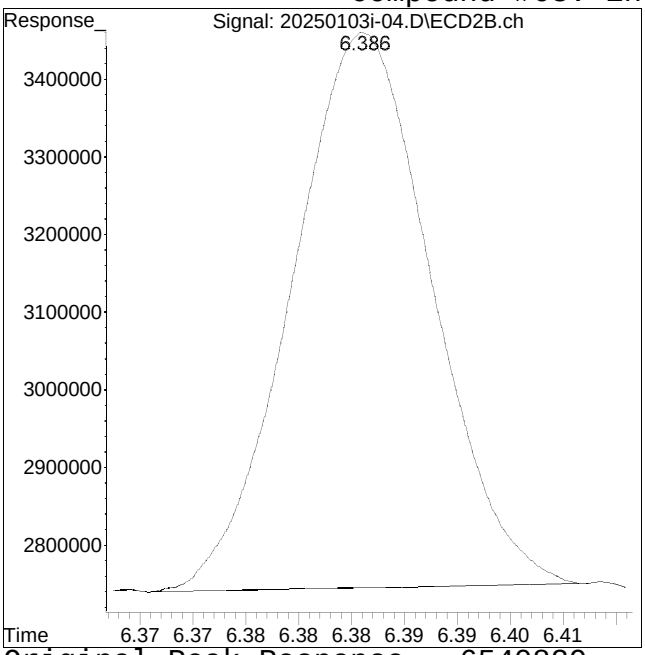


Original Peak Response = 4440602 Manual Peak Response = 4258937 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

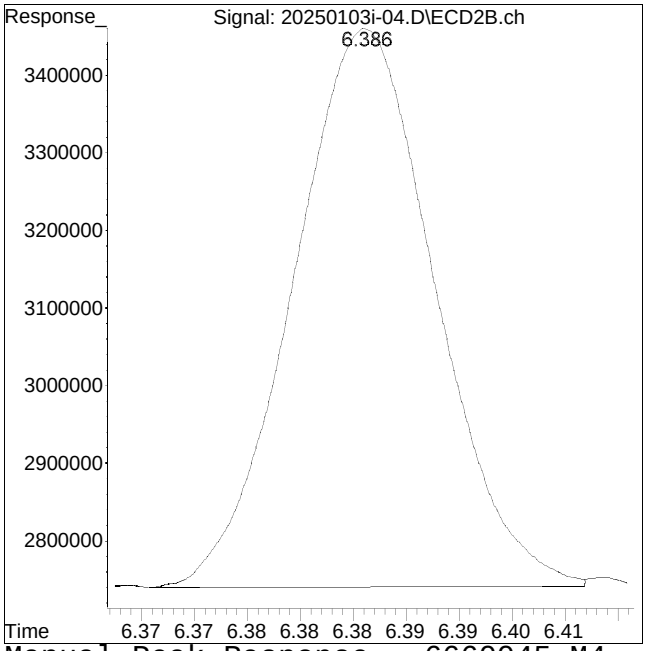
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-04.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:17 Instrument : PEST 20
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 11:13 am

Compound #63: Endosulfan Sulfate #2



Original Peak Response = 6540829



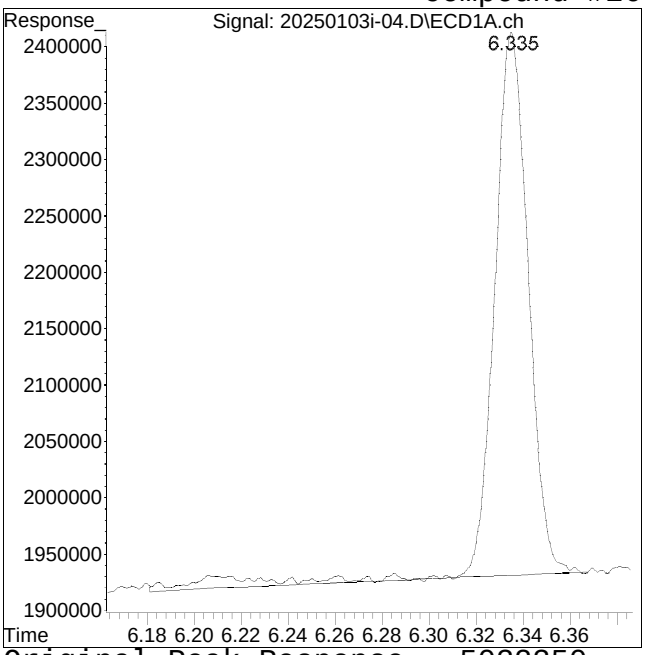
Manual Peak Response = 6660045 M4

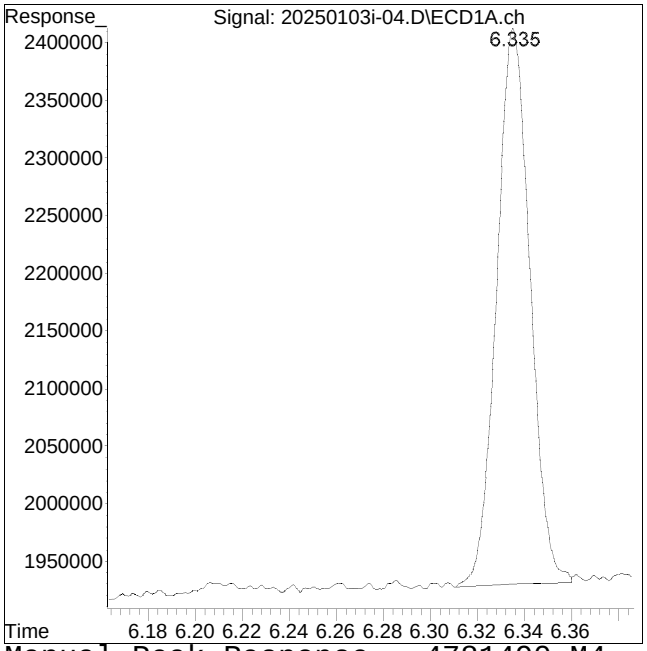
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-04.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:17 Instrument : PEST 20
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 11:13 am

Compound #26: Endrin Ketone



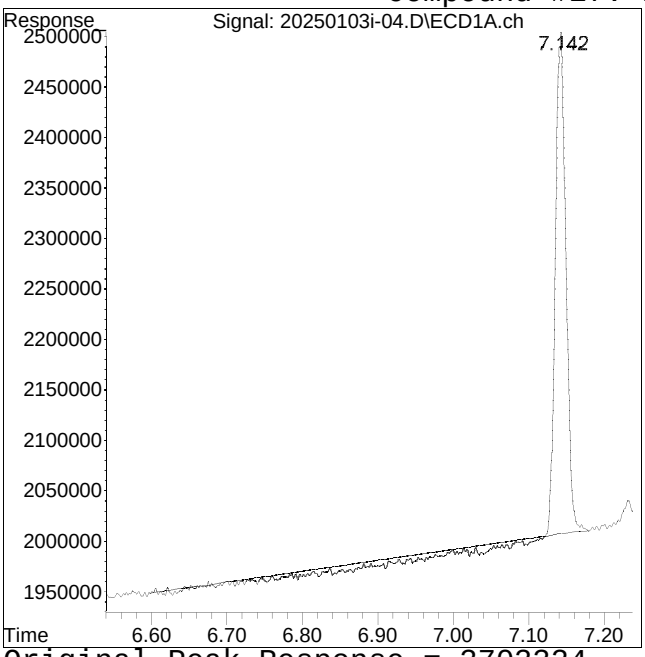


Original Peak Response = 5032350 Manual Peak Response = 4781490 M4
M4 = Poor automated baseline construction.

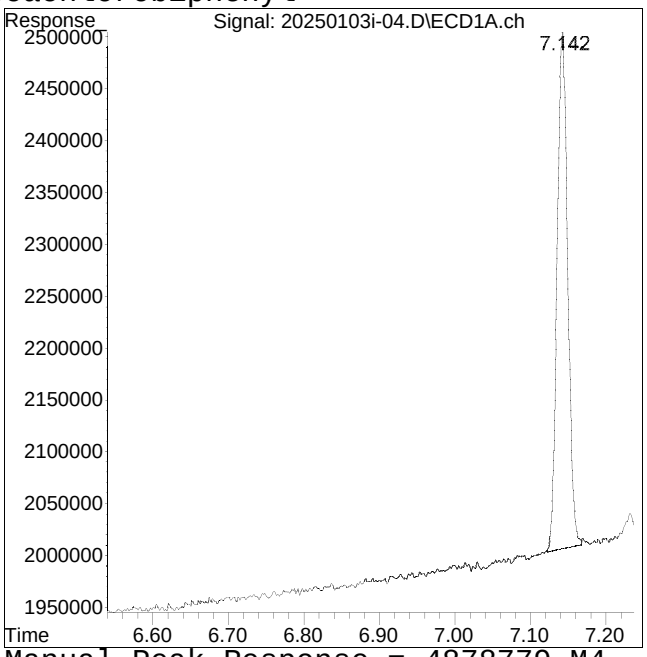
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-04.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:17 Instrument : PEST 20
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 11:13 am

Compound #27: Decachlorobiphenyl



Original Peak Response = 3703324



Manual Peak Response = 4878779 M4

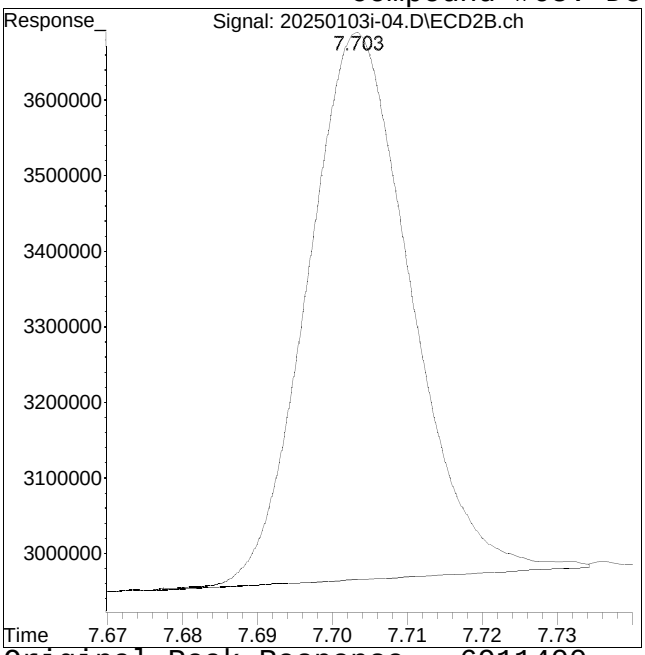
M4 = Poor automated baseline construction.

Manual Integration Report

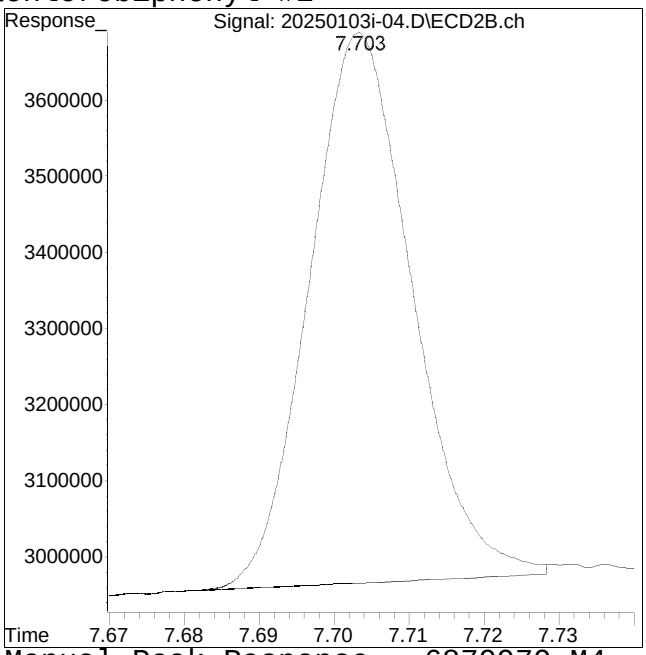
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-04.D
Date Inj'd : 1/3/2025 12:17
Sample : il2pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:13 am

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 6911400



Manual Peak Response = 6879979 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-05.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 12:29
Operator : pest20:ejl
Sample : il3pest,42e,,pp 11941 L0.002
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 10:49:13 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 10:49:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
		Internal Standards						
1)	i	1-br-2-nb_Pe	1.802	1.853	82959147	154.1E6	25.000M3	25.000M3
28)	i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33)	i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
		System Monitoring Compounds						
2)	s	2,4,5,6-Tetr	2.260	2.435	8253642	14448174	2.195M3	2.165M4
		Spiked Amount 50.000	Range 30 - 150		Recovery =		4.39%#	4.33%#
27)	s	Decachlorobi	7.140	7.701	8982803	13077136	2.448M4	2.337M4
		Spiked Amount 50.000	Range 30 - 150		Recovery =		4.90%#	4.67%#
		Target Compounds						
3)		Hexachlorobe	2.518	2.795	9457519	16020968	2.359M4	2.279M4
4)		alpha-BHC	2.637	2.903	9587015	16634222	2.005M3	1.905M4
5)		gamma-BHC (l	2.871	3.212	9211038	16131245	2.087M3	1.999M4
6)		beta-BHC	2.939	3.289	5034671	8473989	2.378M3	2.223M4
7)		delta-BHC	3.082	3.570	9103354	15449361	2.036M4	1.910M3
8)		Heptachlor	3.262	3.630	9775230	16465728	2.255M3	2.129M4
9)		Aldrin	3.529	3.964	8946618	14915751	2.148M3	2.041
10)		Alachlor	3.673	3.854	1657808	2465059	2.249M3	2.115M3
11)		Chlorpyrifos	3.773	4.223	5413678	8912870	2.507M3	2.334M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-05.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 12:29
Operator : pest20:ejl
Sample : il3pest,42e,,pp 11941 L0.002
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 10:49:13 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 10:49:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)		Heptachlor E	4.122	4.605	9003745	14584005	2.262M3	2.060M4
13)		gamma-Chlord	4.255	4.833	8181960	13557277	2.250M4	2.112
14)		alpha-Chlord	4.398	5.003	9326684	15272065	2.251M3	2.124
15)		4,4'-DDE	4.506	5.205	8581919	13525138	2.100M3	1.987M4
16)		Endosulfan I	4.542	5.062	8699270	14282307	2.273M4	2.114M4
17)		Dieldrin	4.818	5.355	8653286	14257314	2.169M3	2.045M4
18)		Endrin	5.071	5.654	8912105	16068309	2.182M4	2.217
19)		4,4'-DDD	5.181	5.783	6923375	10643260	2.111M4	1.955M4
20)		Endosulfan I	5.307	5.856	7983976	13133230	2.248M4	2.097M4
21)		4,4'-DDT	5.467	6.061	7401106	12823935	2.079M4	2.034M4
22)		Endrin Aldeh	5.718	6.155	6249557	10018713	2.147M3	1.998M4
23)		Methoxychlor	5.946	6.631	4849617	7413871	2.364M3	2.193M4
24)		Mirex	6.006	6.764	8419328	13034791	2.517M4	2.365
25)		Endosulfan S	6.108	6.385	7831126	12837100	2.324M3	2.175M4
26)		Endrin Keton	6.334	6.801	8755818	14385713	2.263M4	2.113M4
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-05.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 12:29
Operator : pest20:ejl
Sample : il3pest,42e,,pp 11941 L0.002
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 10:49:13 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 10:49:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

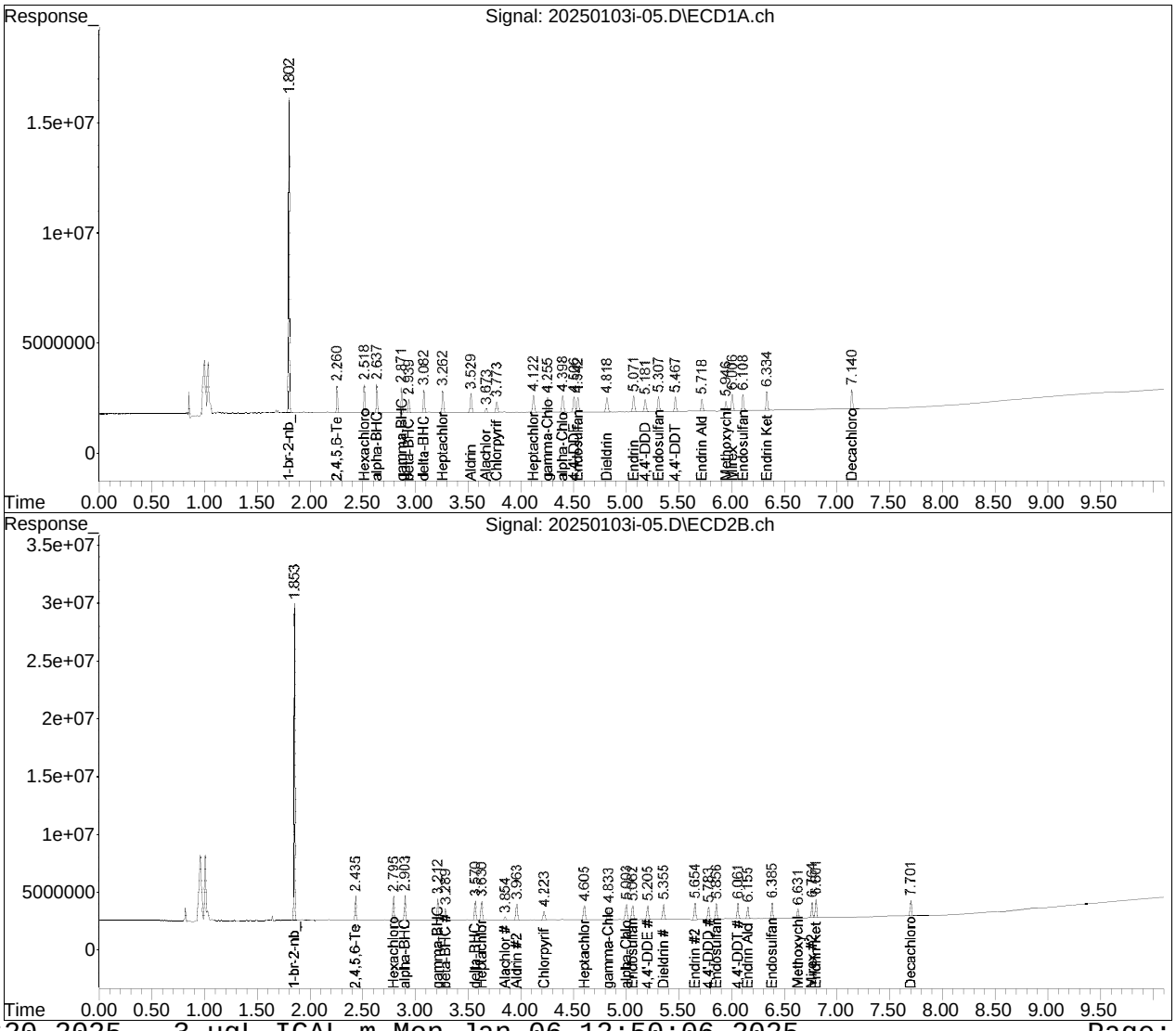
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-05.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 12:29
Operator : pest20:ejl
Sample : il3pest,42e,,pp 11941 L0.002
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 10:49:13 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 10:49:04 2025
Response via : Initial Calibration
Integrator: ChemStation

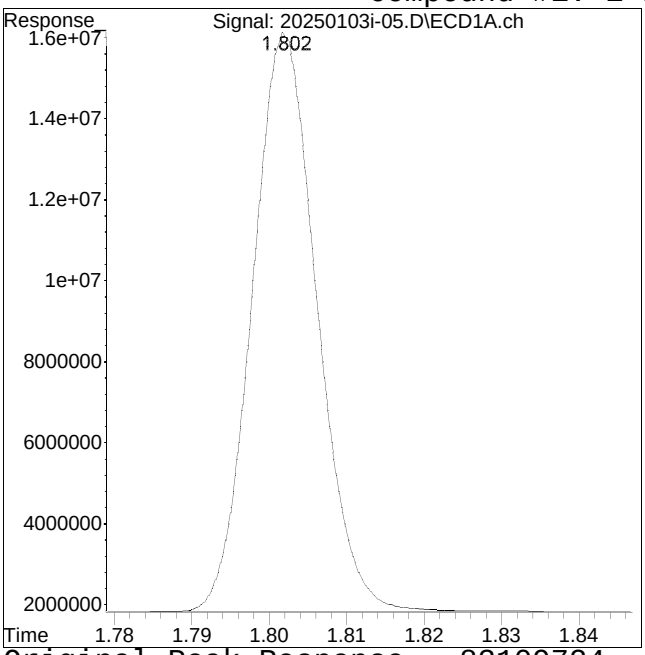
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

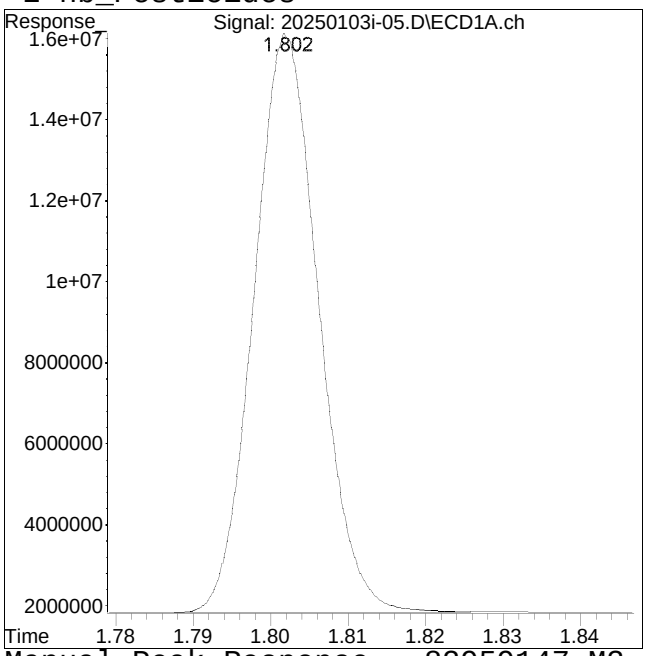


Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-05.D
Date Inj'd : 1/3/2025 12:29
Sample : il3pest,42e,,pp 11941 L0.0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:49 am

Compound #1: 1-br-2-nb_Pesticides





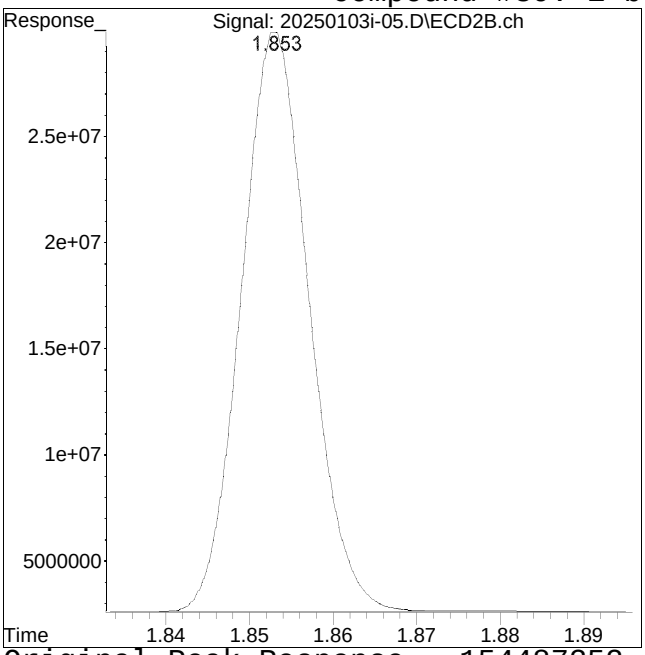
Original Peak Response = 83109724 Manual Peak Response = 82959147 M3

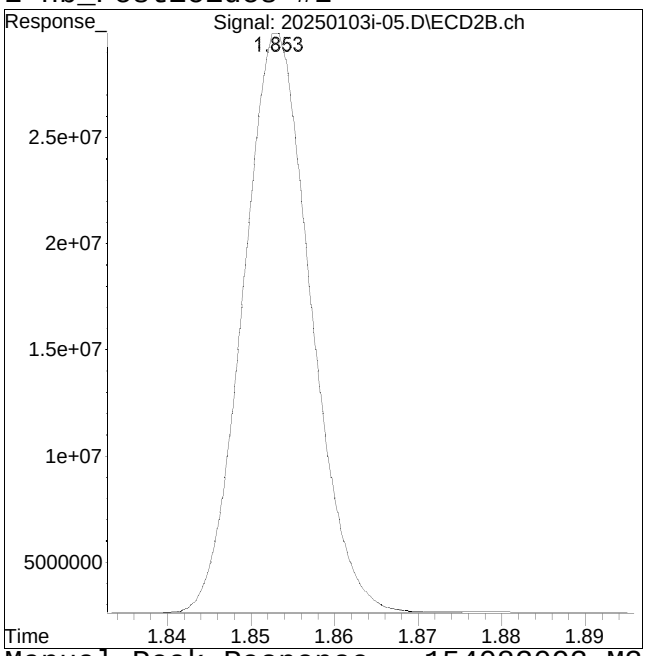
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-05.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:29 Instrument : PEST 20
Sample : il3pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:49 am

Compound #39: 1-br-2-nb_Pesticides #2





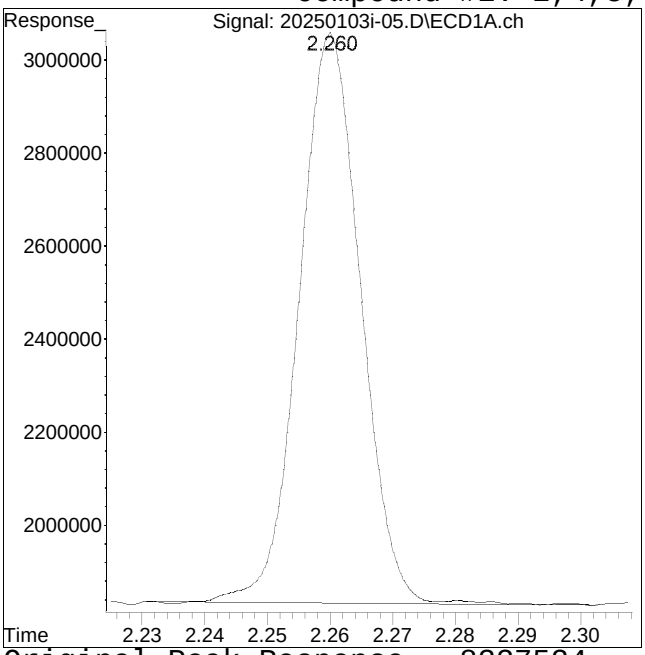
Original Peak Response = 154487352 Manual Peak Response = 154083093 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

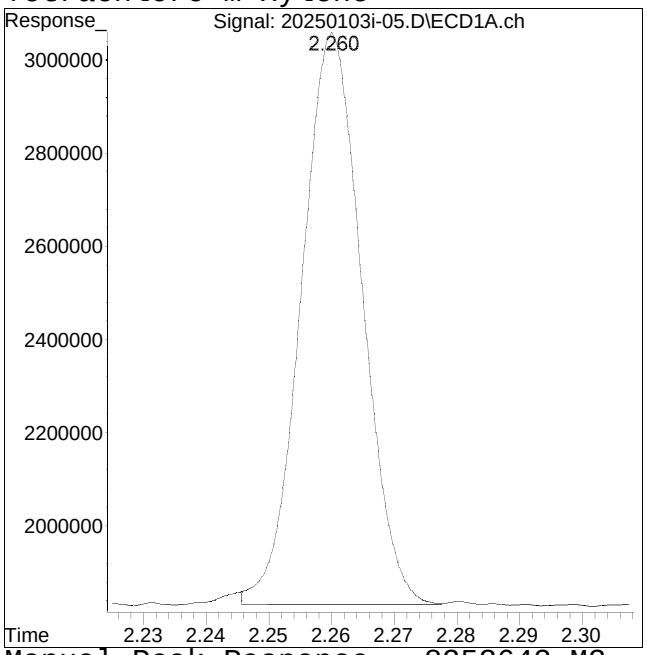
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-05.D
Date Inj'd : 1/3/2025 12:29
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:49 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene





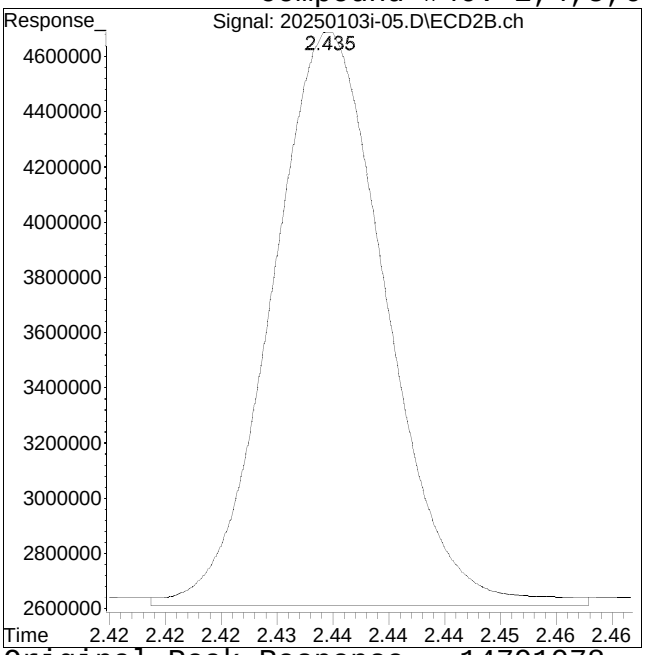
Original Peak Response = 8337524 Manual Peak Response = 8253642 M3

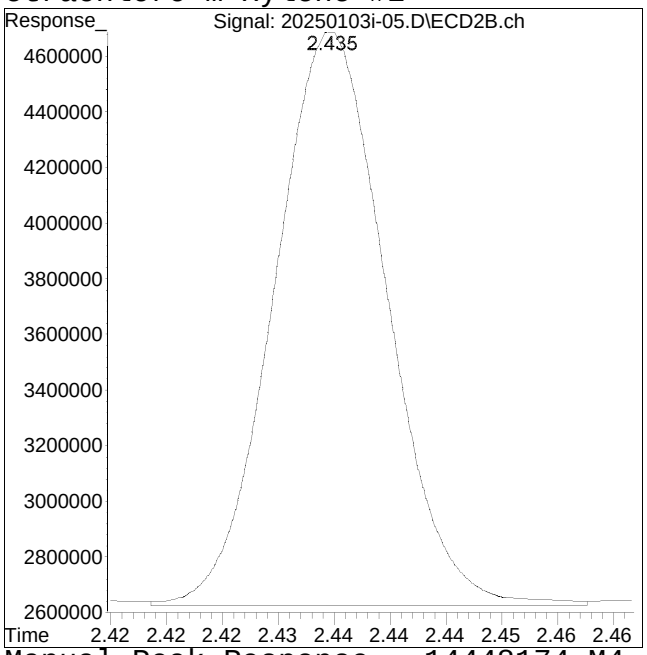
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-05.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:29 Instrument : PEST 20
Sample : il3pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:49 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



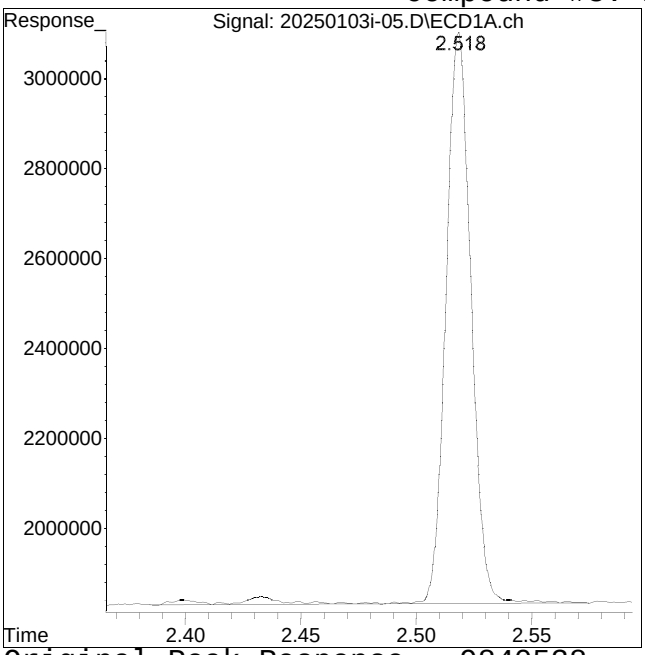


Original Peak Response = 14791078 Manual Peak Response = 14448174 M4
M4 = Poor automated baseline construction.

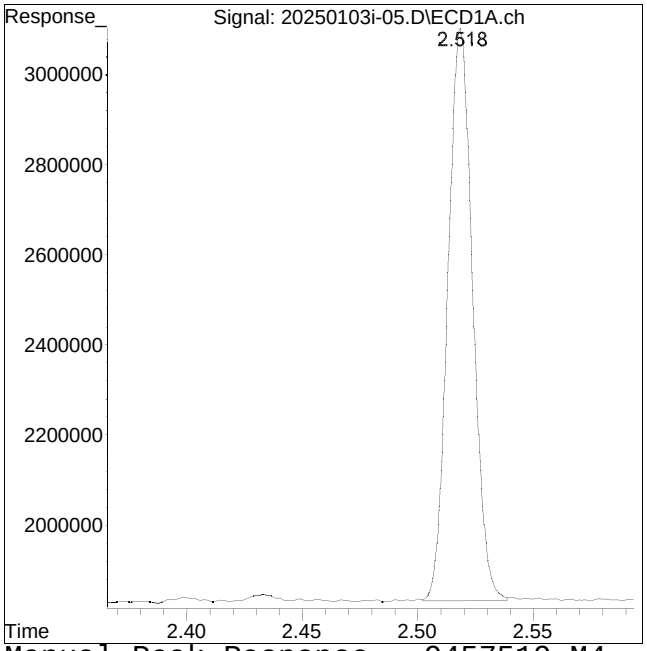
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-05.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:29 Instrument : PEST 20
Sample : il3pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:49 am

Compound #3: Hexachlorobenzene



Original Peak Response = 9840538



Manual Peak Response = 9457519 M4

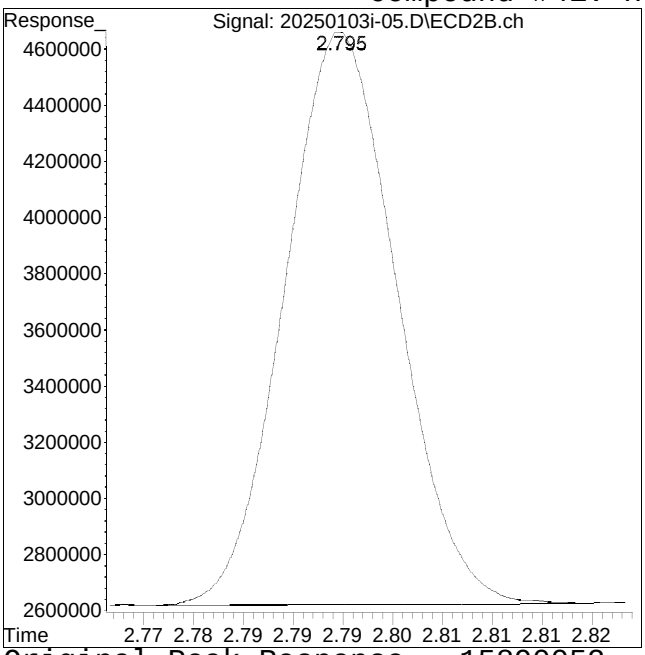
M4 = Poor automated baseline construction.

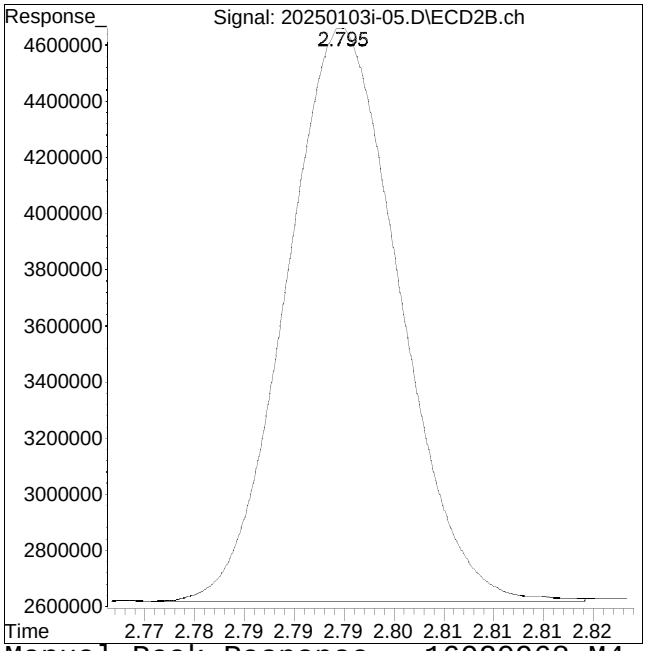
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-05.D
Date Inj'd : 1/3/2025 12:29
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:49 am

Compound #41: Hexachlorobenzene #2





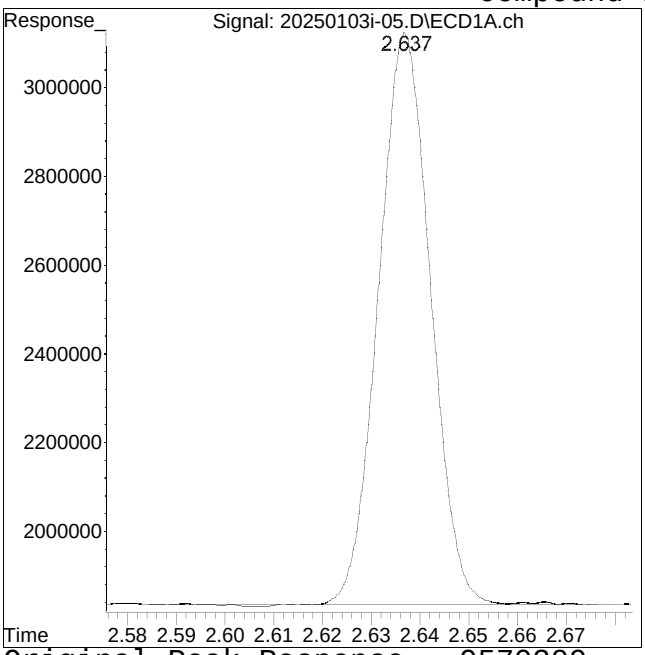
Original Peak Response = 15890052 Manual Peak Response = 16020968 M4
M4 = Poor automated baseline construction.

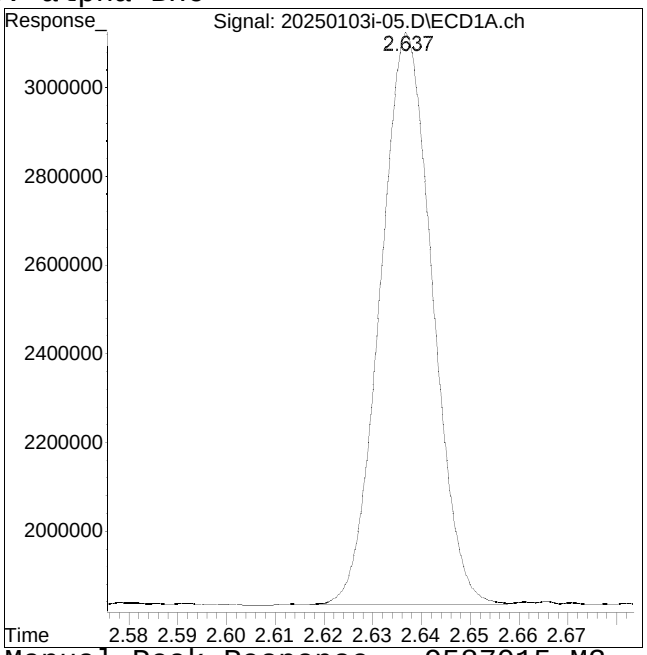
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-05.D
Date Inj'd : 1/3/2025 12:29
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:49 am

Compound #4: alpha-BHC





Original Peak Response = 9570209 Manual Peak Response = 9587015 M3

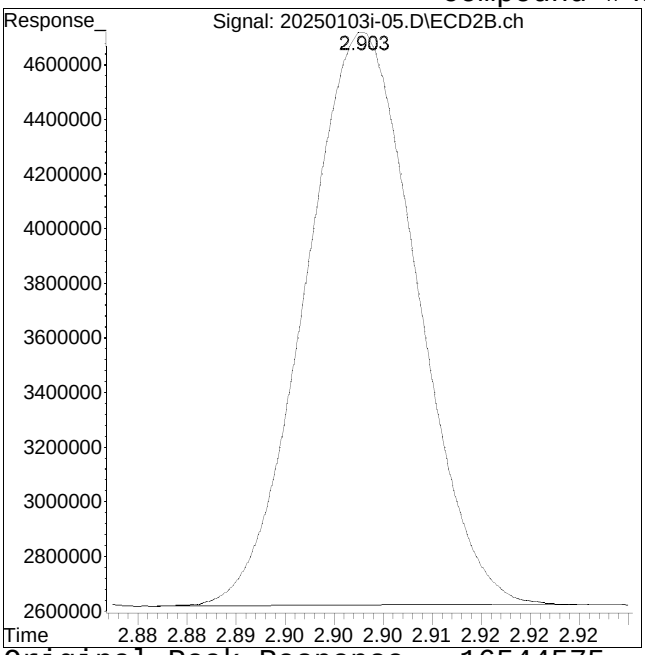
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

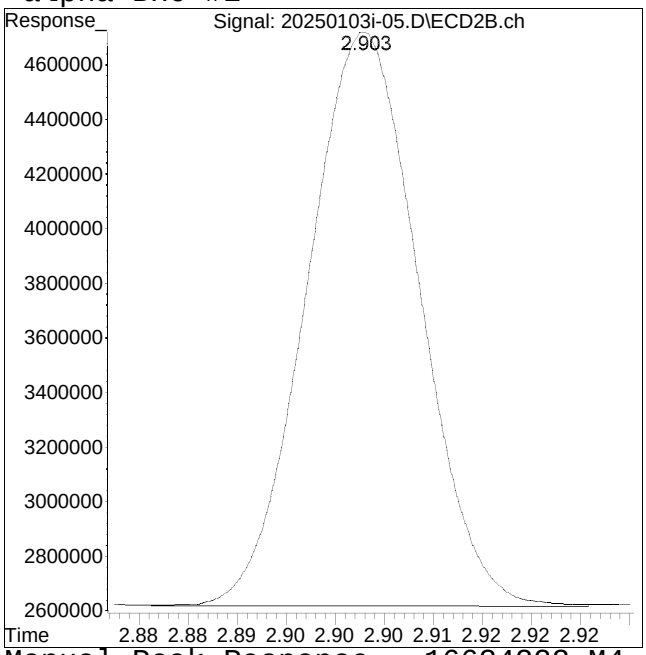
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-05.D
Date Inj'd : 1/3/2025 12:29
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:49 am

Compound #42: alpha-BHC #2



Original Peak Response = 16544575



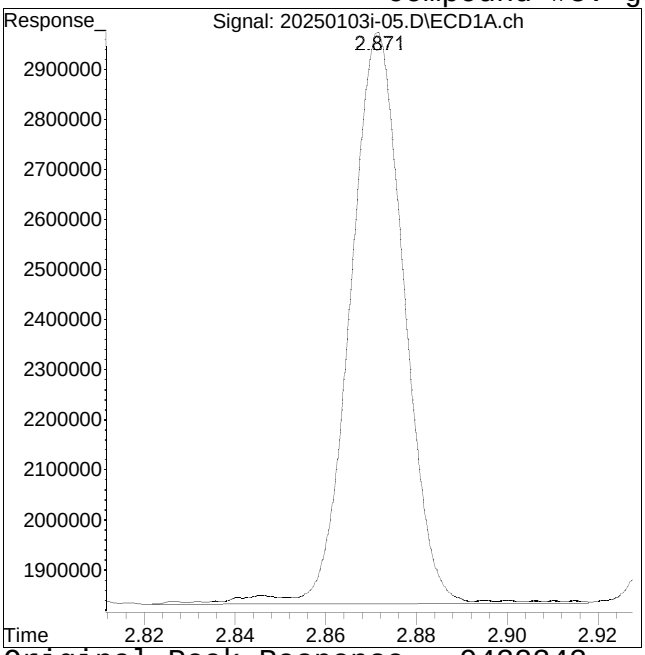
Manual Peak Response = 16634222 M4

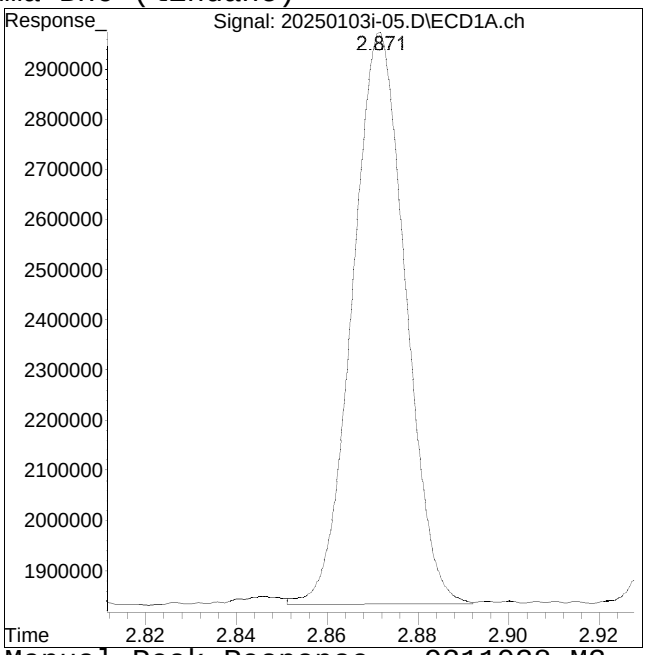
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-05.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:29 Instrument : PEST 20
Sample : il3pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:49 am

Compound #5: gamma-BHC (lindane)





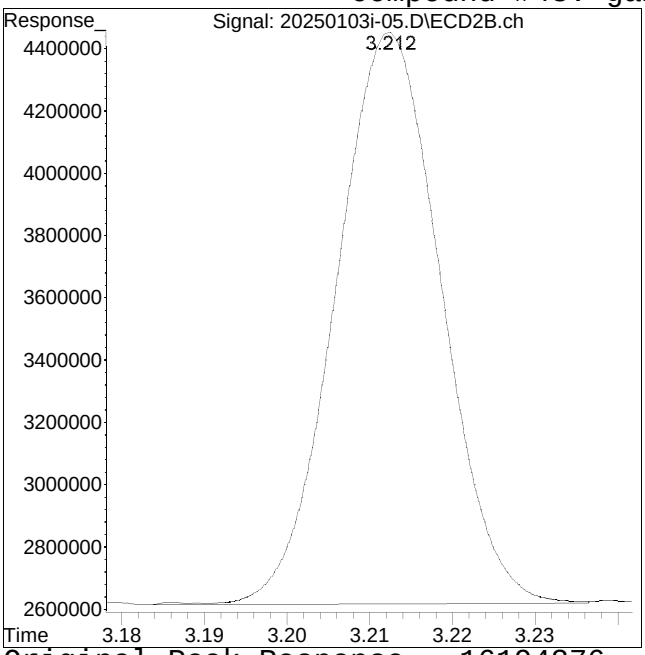
Original Peak Response = 9432343 Manual Peak Response = 9211038 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

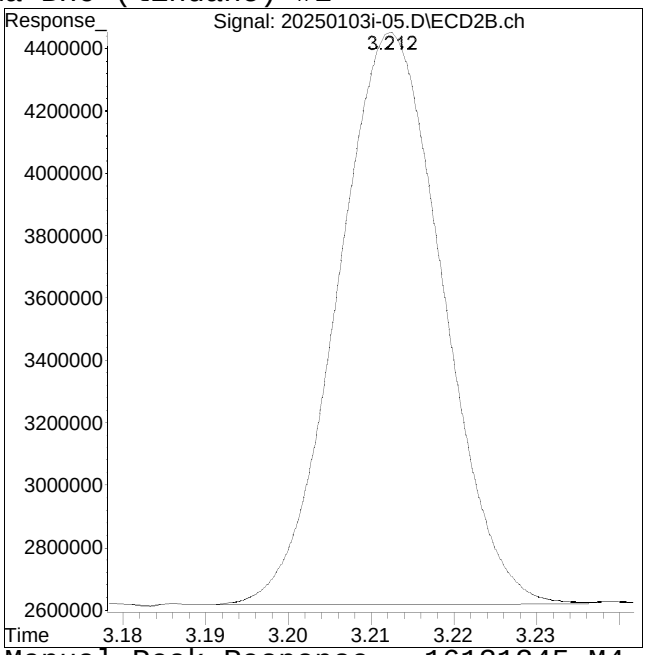
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-05.D
Date Inj'd : 1/3/2025 12:29
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:49 am

Compound #43: gamma-BHC (lindane) #2



Original Peak Response = 16194276



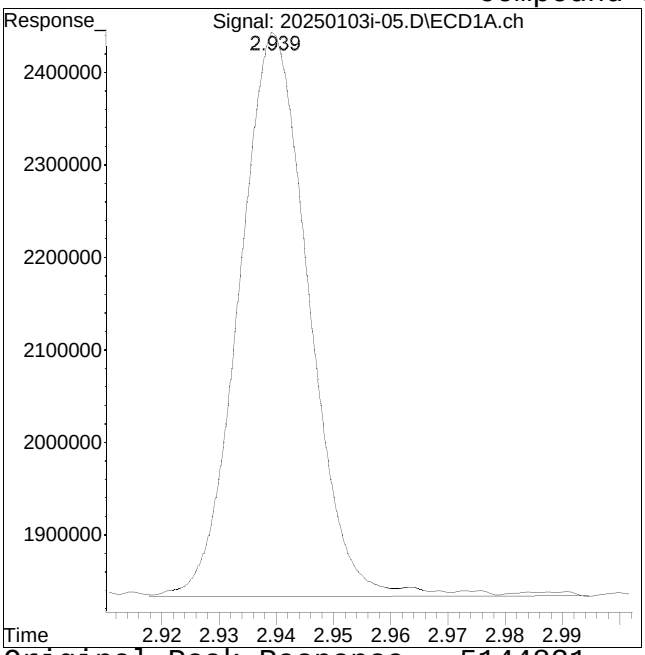
Manual Peak Response = 16131245 M4

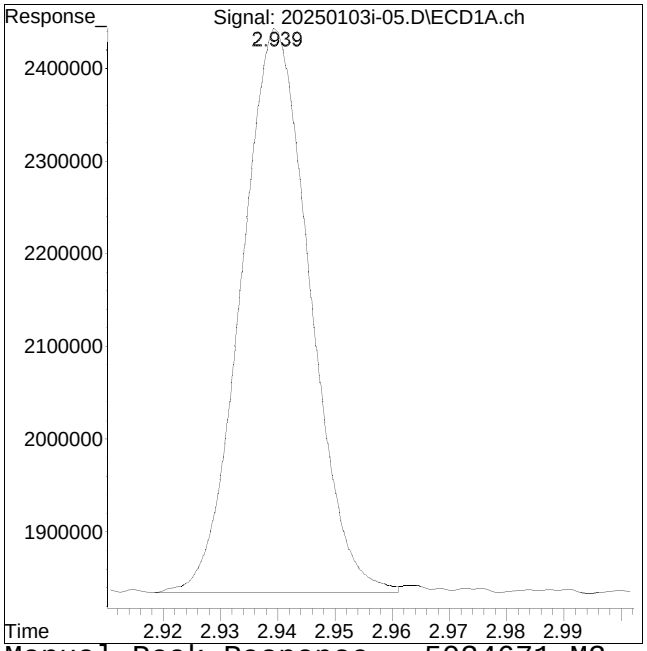
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-05.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:29 Instrument : PEST 20
Sample : il3pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:49 am

Compound #6: beta-BHC



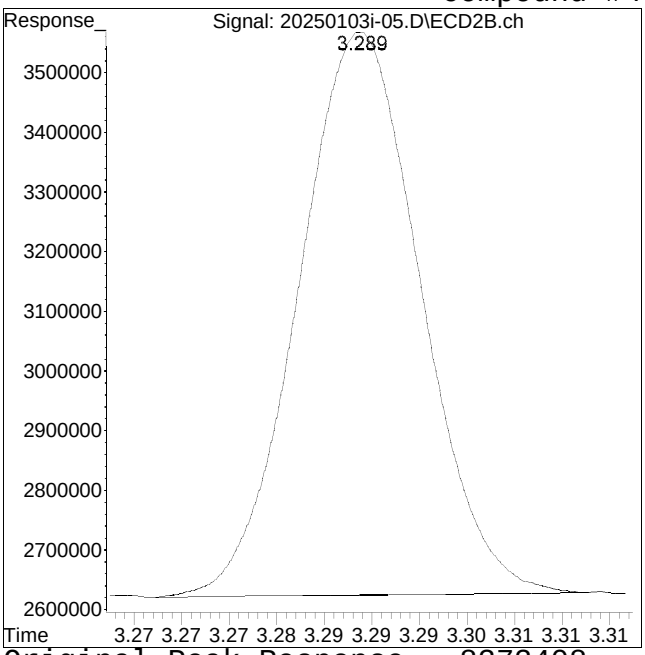


Original Peak Response = 5144821 Manual Peak Response = 5034671 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

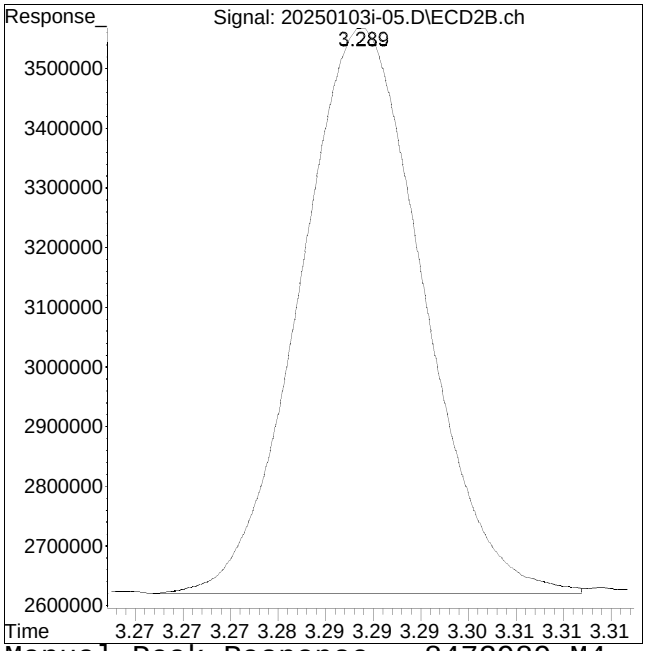
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-05.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:29 Instrument : PEST 20
Sample : il3pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:49 am

Compound #44: beta-BHC #2



Original Peak Response = 8373408



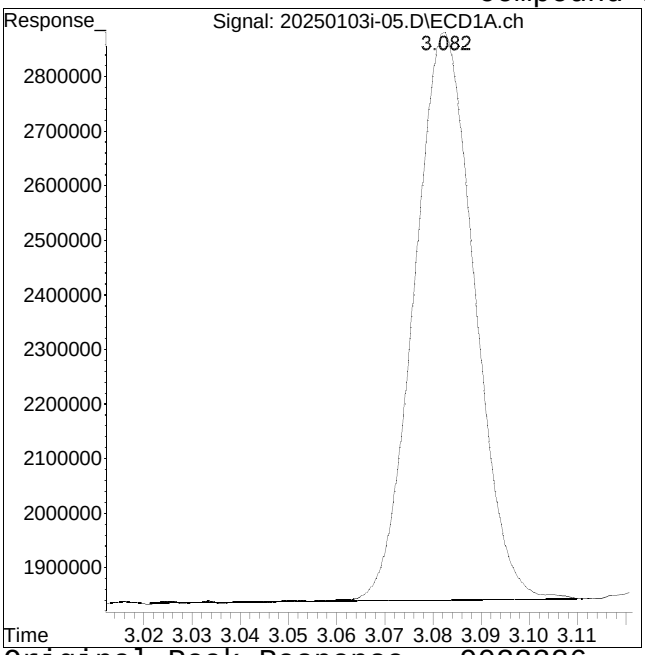
Manual Peak Response = 8473989 M4

M4 = Poor automated baseline construction.

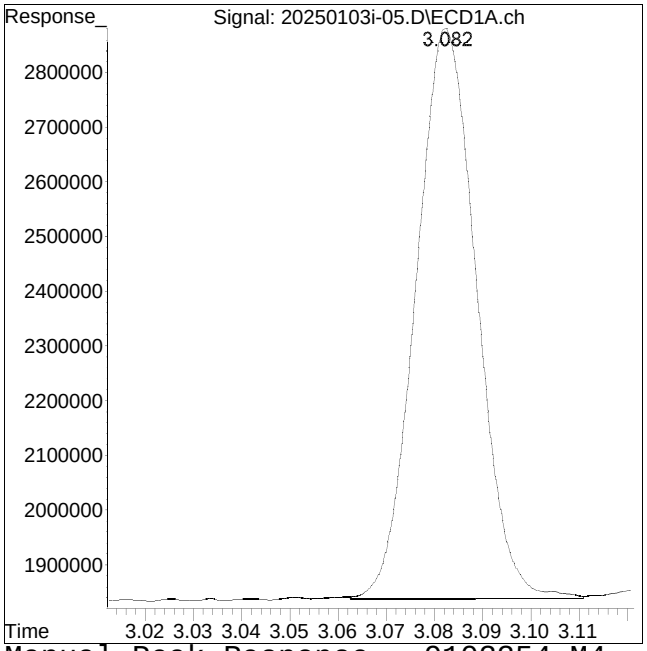
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-05.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:29 Instrument : PEST 20
Sample : il3pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:49 am

Compound #7: delta-BHC



Original Peak Response = 9022326



Manual Peak Response = 9103354 M4

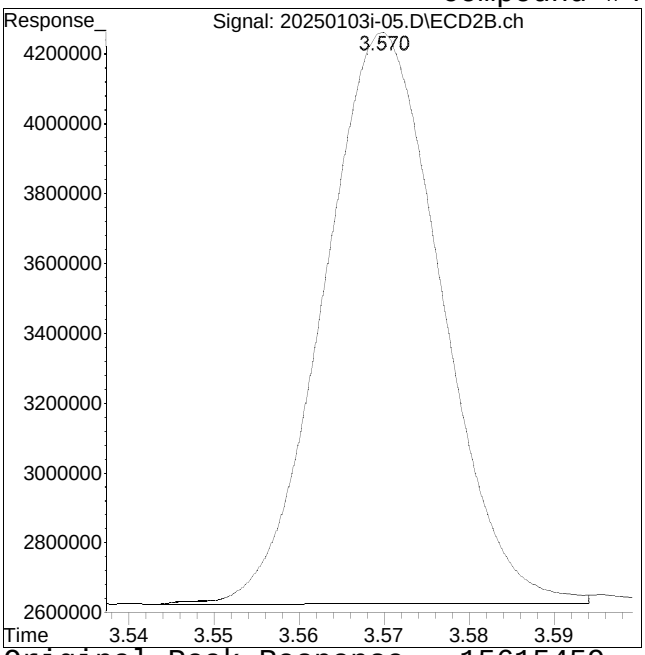
M4 = Poor automated baseline construction.

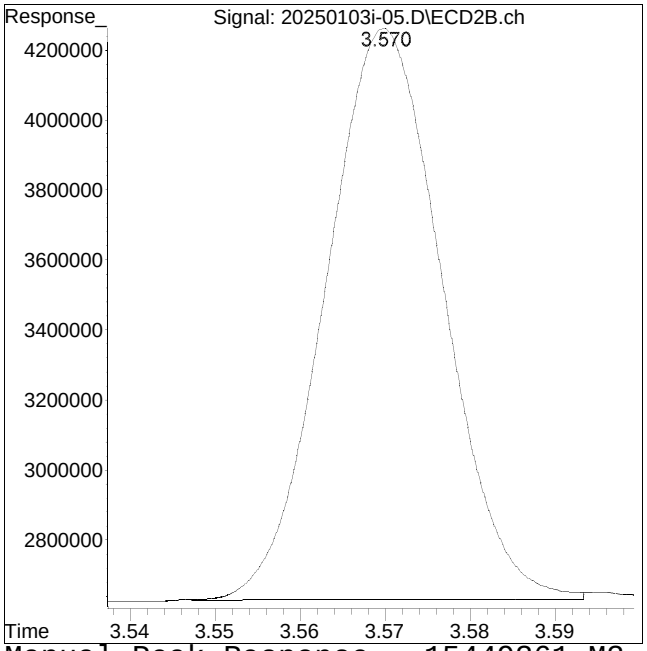
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-05.D
Date Inj'd : 1/3/2025 12:29
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:49 am

Compound #45: delta-BHC #2





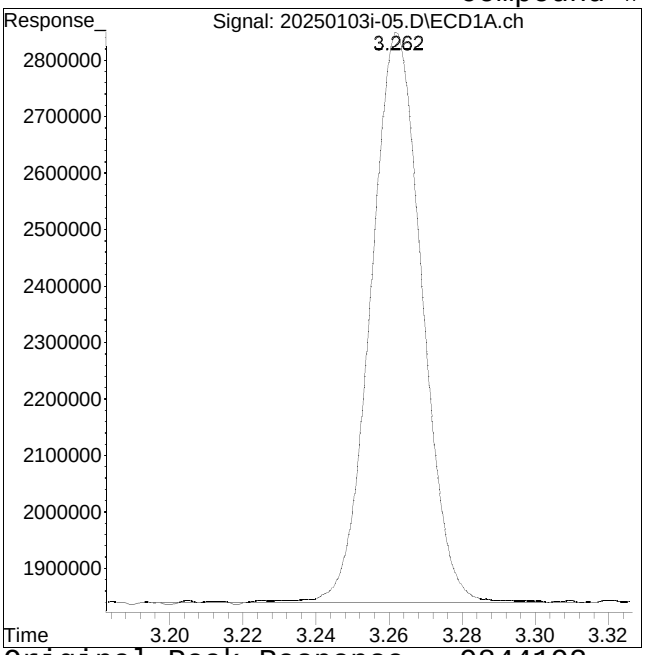
Original Peak Response = 15615459 Manual Peak Response = 15449361 M3

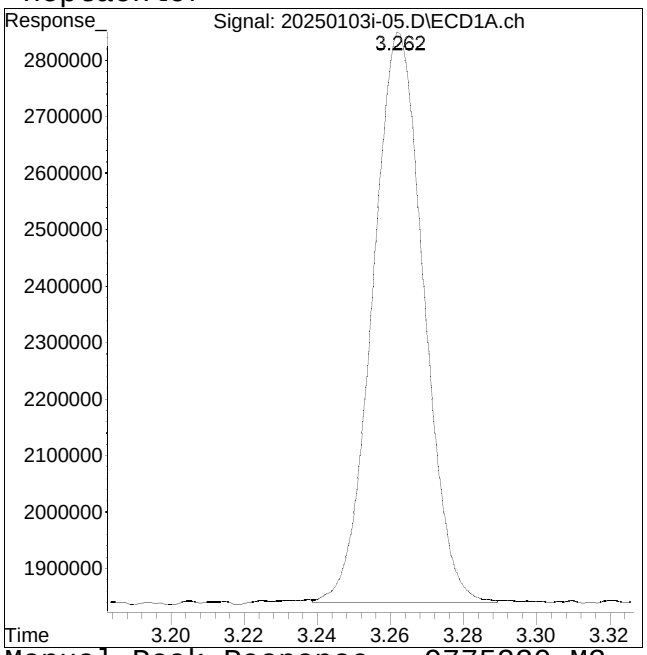
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-05.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:29 Instrument : PEST 20
Sample : il3pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:49 am

Compound #8: Heptachlor





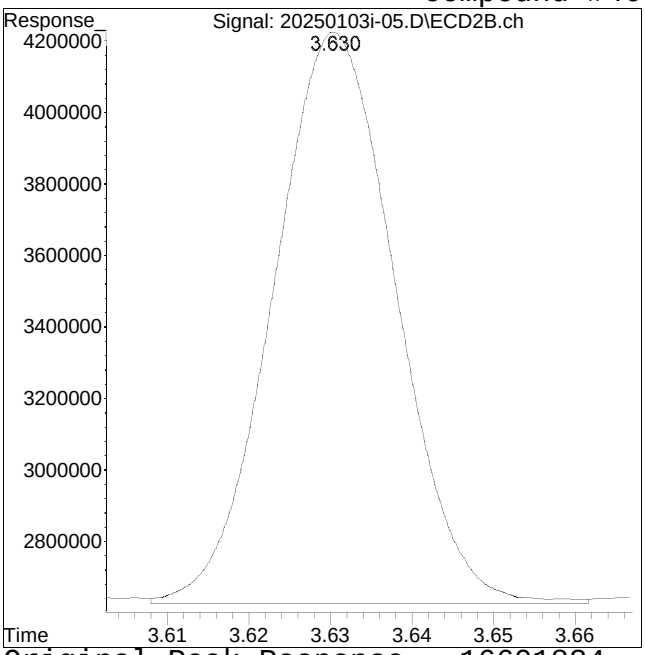
Original Peak Response = 9844192 Manual Peak Response = 9775230 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

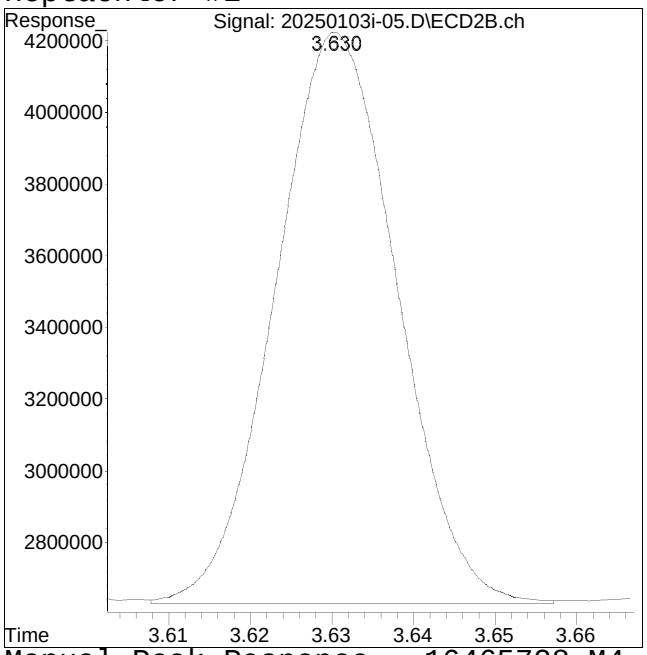
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-05.D
Date Inj'd : 1/3/2025 12:29
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:49 am

Compound #46: Heptachlor #2



Original Peak Response = 16601834



Manual Peak Response = 16465728 M4

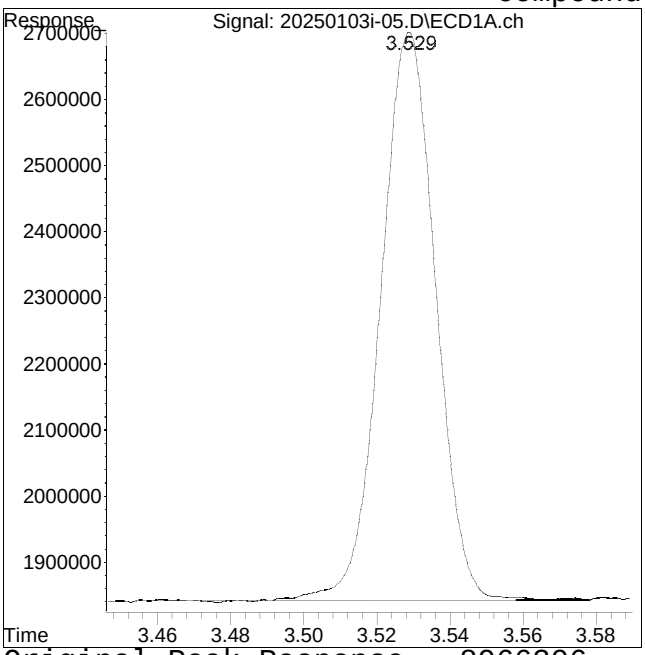
M4 = Poor automated baseline construction.

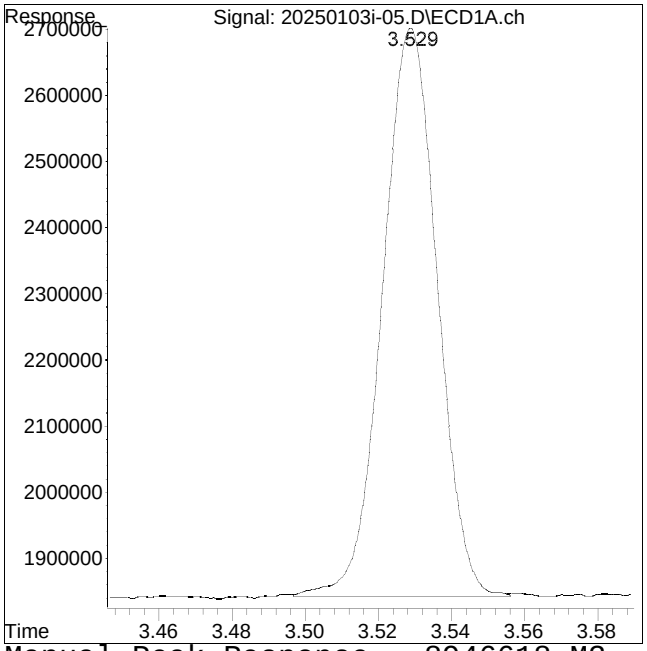
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-05.D
Date Inj'd : 1/3/2025 12:29
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:49 am

Compound #9: Aldrin





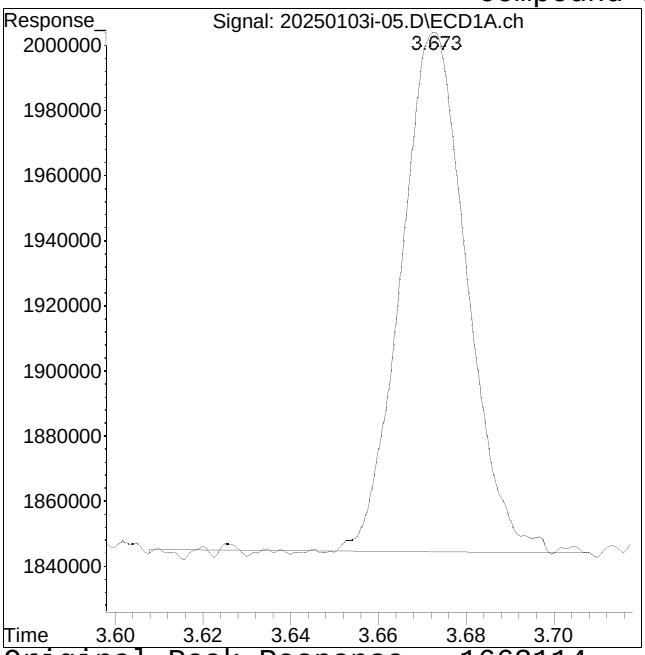
Original Peak Response = 8966306 Manual Peak Response = 8946618 M3

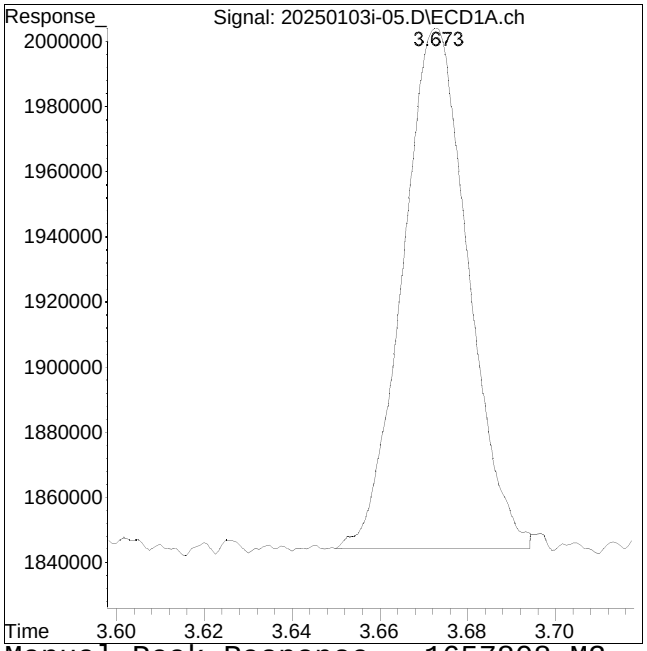
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-05.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:29 Instrument : PEST 20
Sample : il3pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:49 am

Compound #10: Alachlor



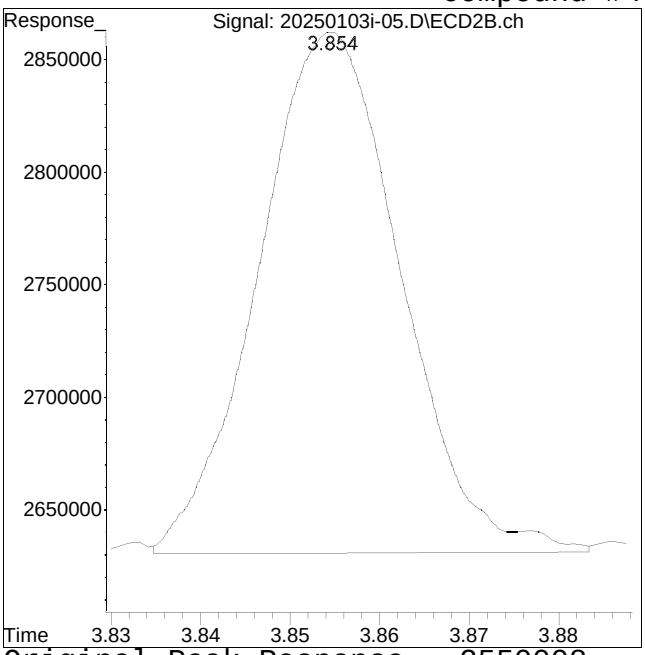


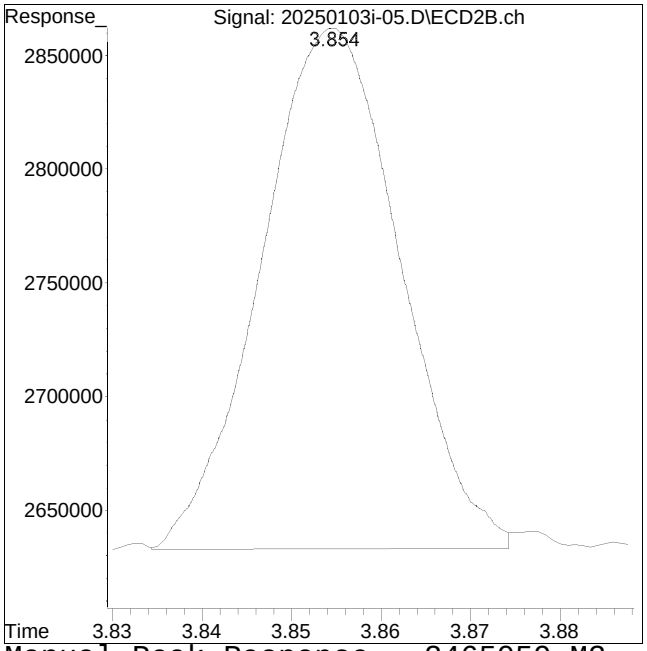
Original Peak Response = 1663114 Manual Peak Response = 1657808 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-05.D
Date Inj'd : 1/3/2025 12:29
Sample : il3pest,42e,,pp 11941 L0.0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:49 am

Compound #48: Alachlor #2



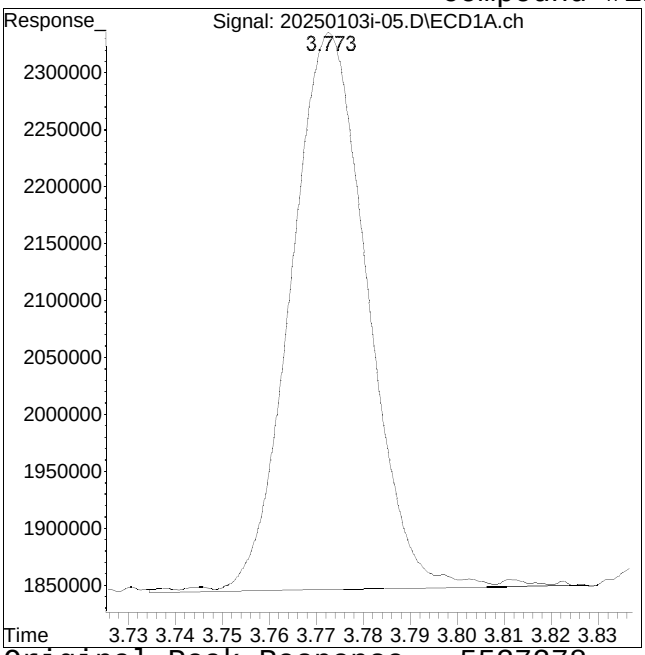


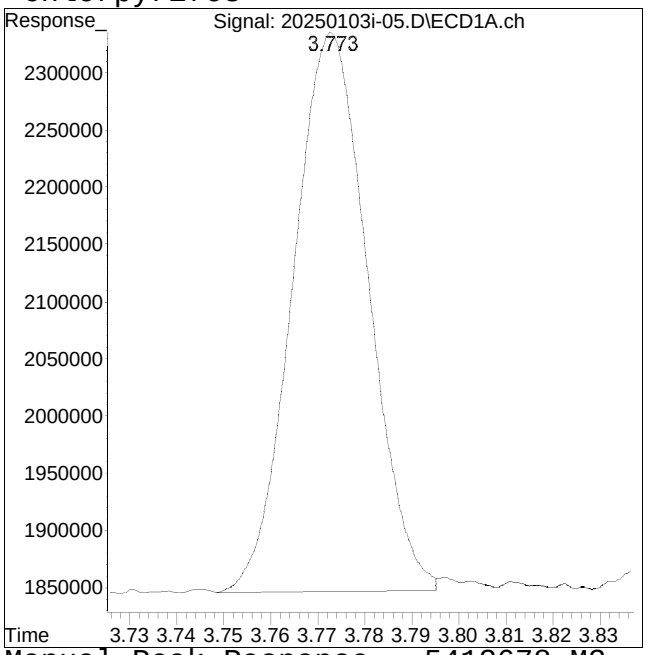
Original Peak Response = 2550008 Manual Peak Response = 2465059 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-05.D
Date Inj'd : 1/3/2025 12:29
Sample : il3pest,42e,,pp 11941 L0.0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:49 am

Compound #11: Chlorpyrifos





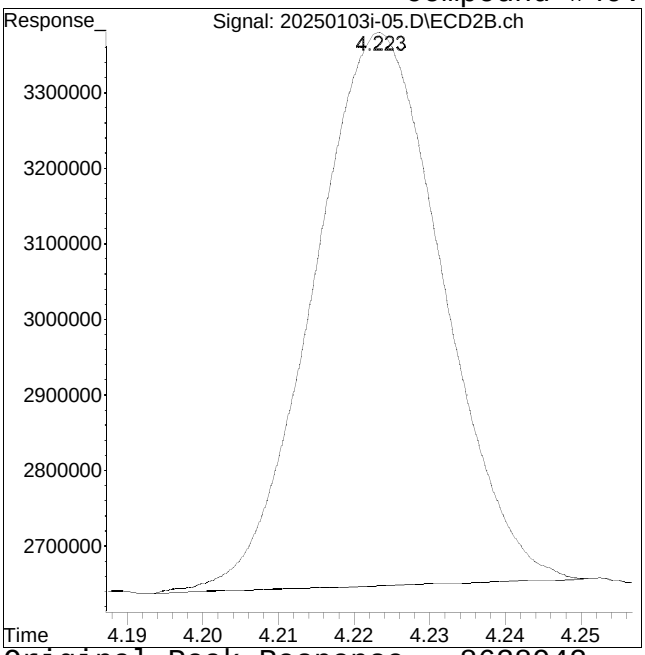
Original Peak Response = 5537278 Manual Peak Response = 5413678 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

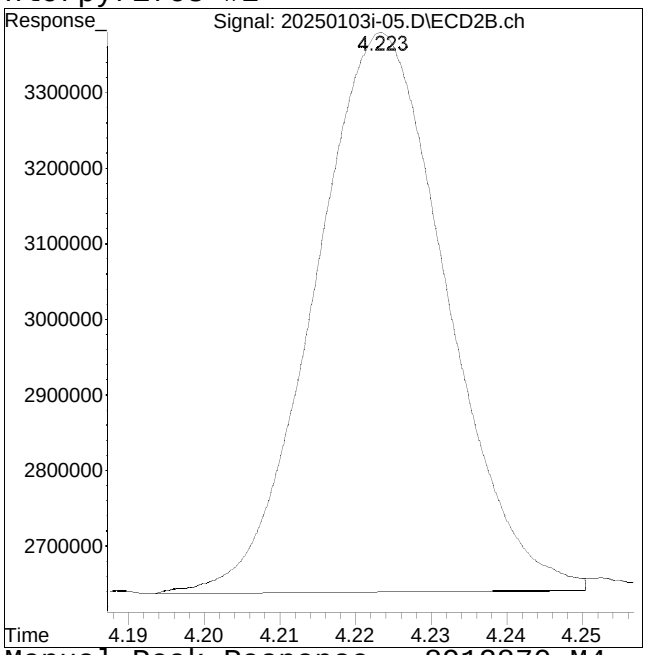
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-05.D
Date Inj'd : 1/3/2025 12:29
Sample : il3pest,42e,,pp 11941 L0.0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:49 am

Compound #49: Chlorpyrifos #2



Original Peak Response = 8638942



Manual Peak Response = 8912870 M4

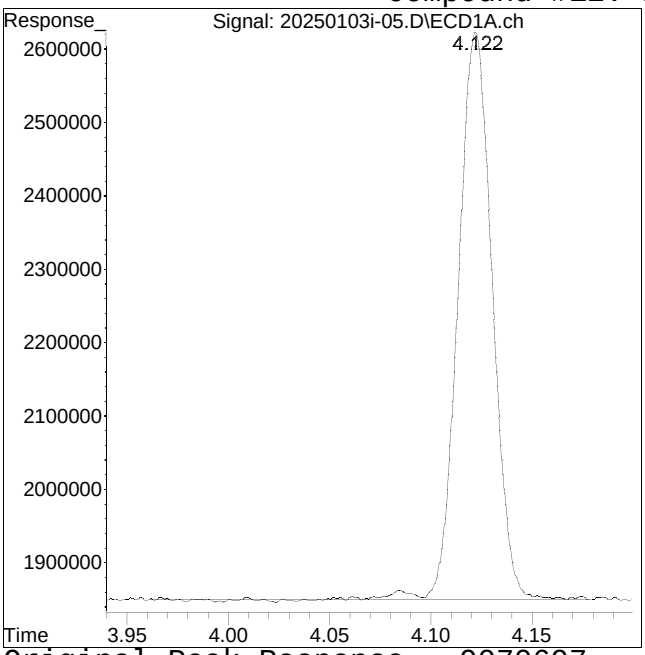
M4 = Poor automated baseline construction.

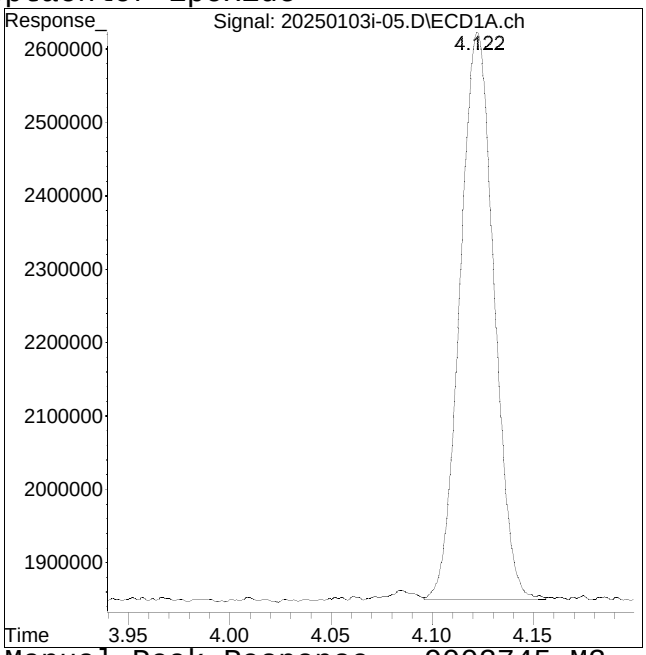
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-05.D
Date Inj'd : 1/3/2025 12:29
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:49 am

Compound #12: Heptachlor Epoxide





Original Peak Response = 9070697 Manual Peak Response = 9003745 M3

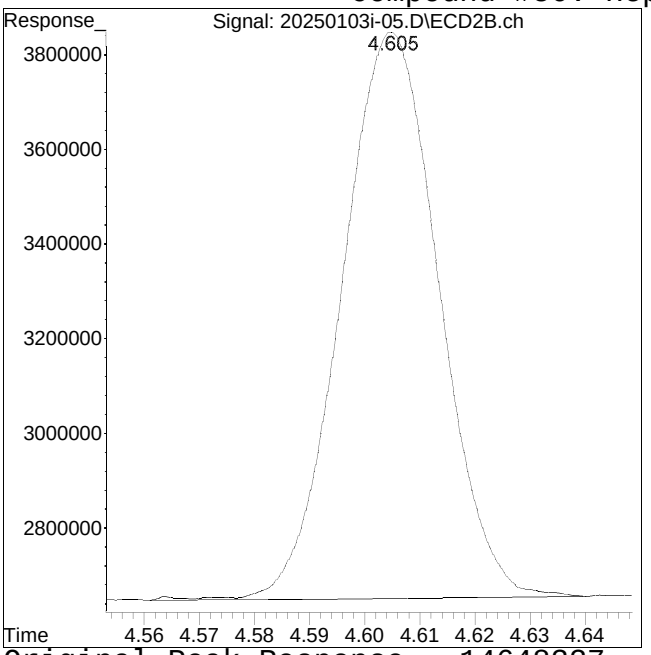
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

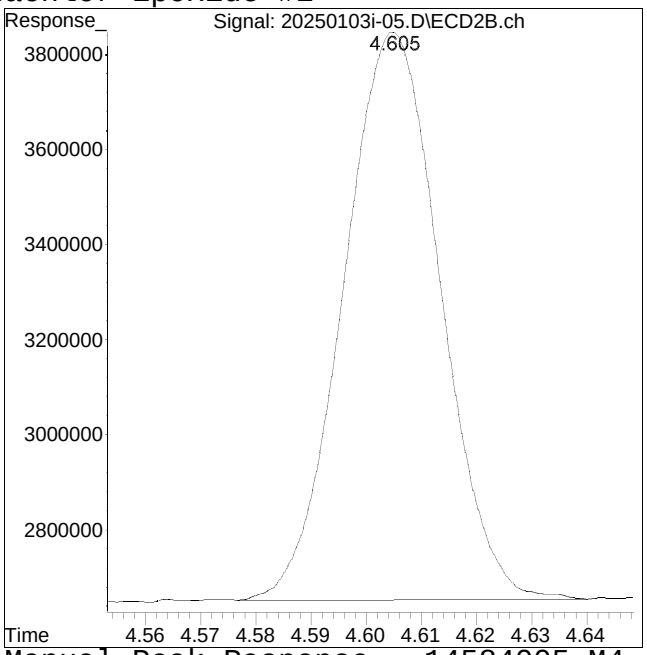
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-05.D
Date Inj'd : 1/3/2025 12:29
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:49 am

Compound #50: Heptachlor Epoxide #2



Original Peak Response = 14648337



Manual Peak Response = 14584005 M4

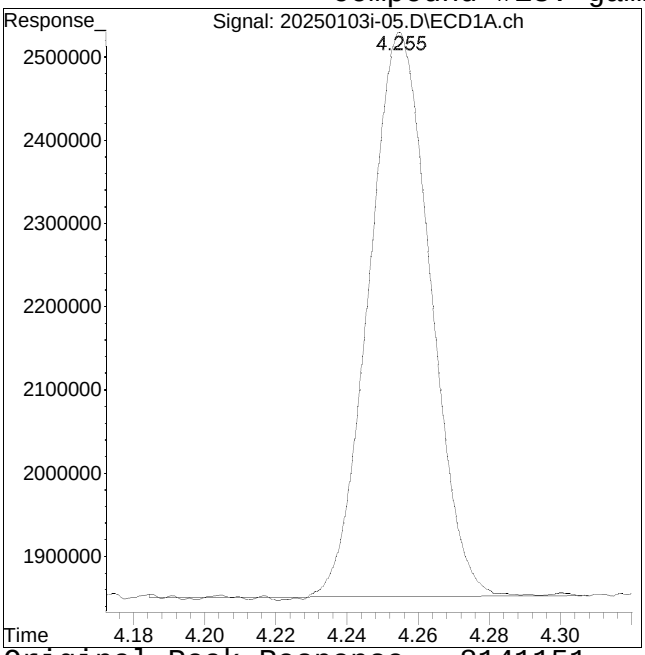
M4 = Poor automated baseline construction.

Manual Integration Report

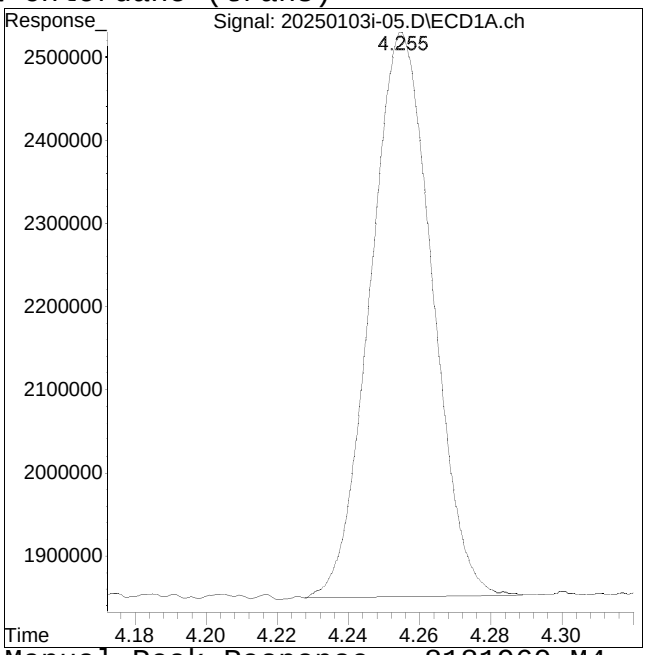
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-05.D
Date Inj'd : 1/3/2025 12:29
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:49 am

Compound #13: gamma-Chlordane (trans)



Original Peak Response = 8141151



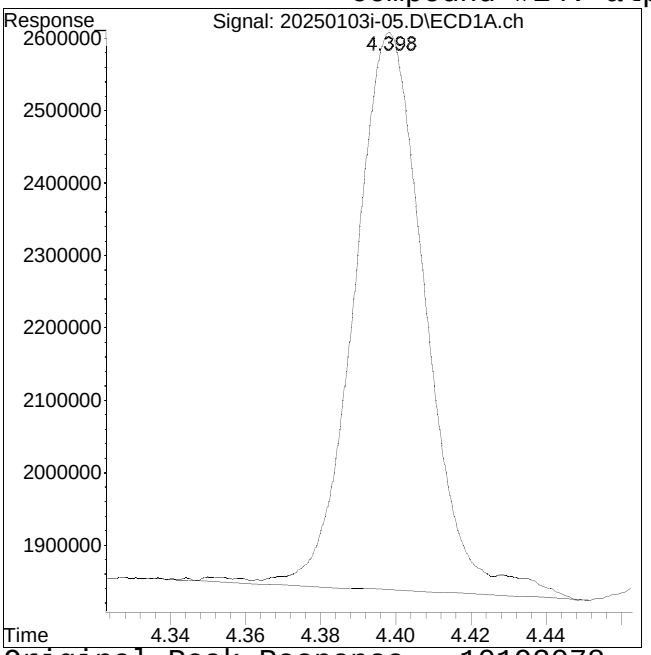
Manual Peak Response = 8181960 M4

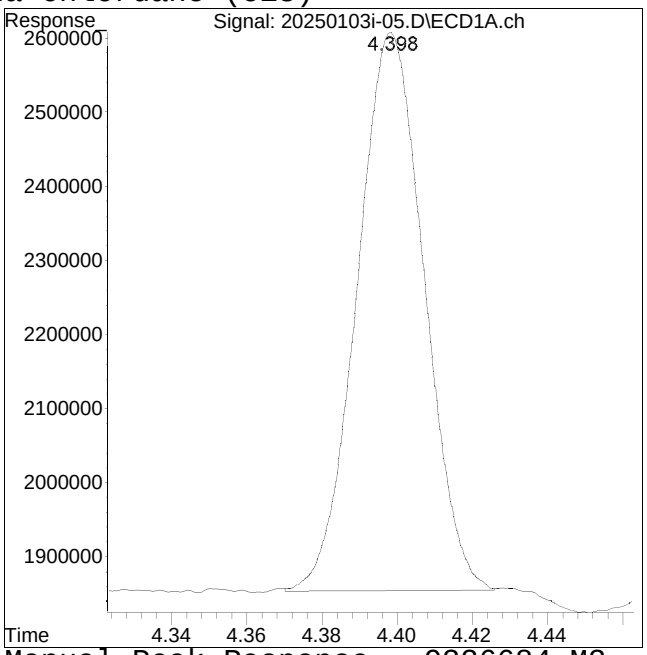
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-05.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:29 Instrument : PEST 20
Sample : il3pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:49 am

Compound #14: alpha-Chlordane (cis)





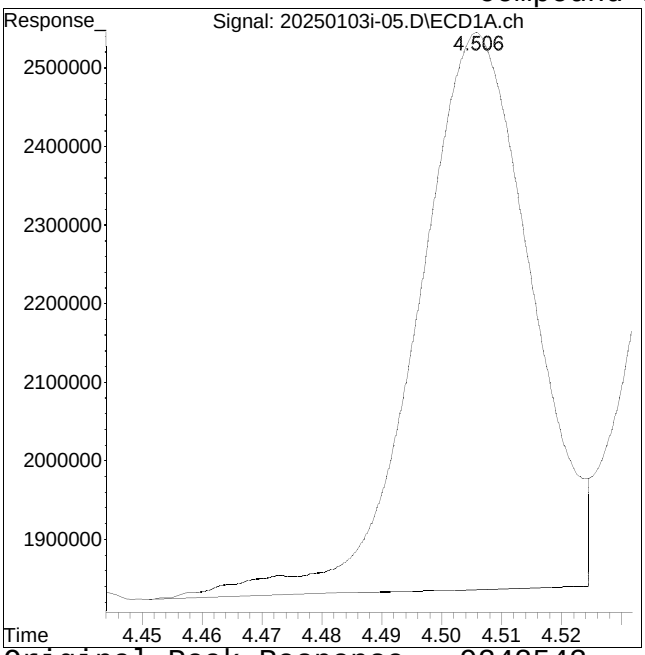
Original Peak Response = 10193078 Manual Peak Response = 9326684 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

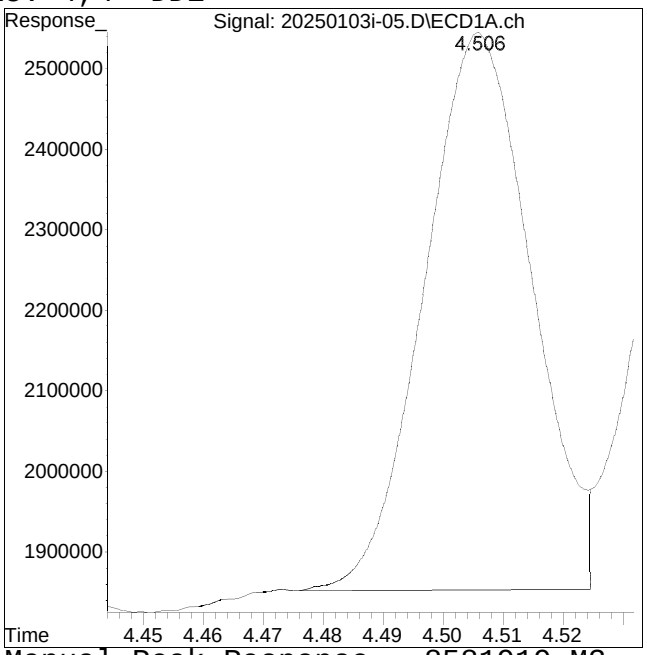
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-05.D
Date Inj'd : 1/3/2025 12:29
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:49 am

Compound #15: 4,4'-DDE





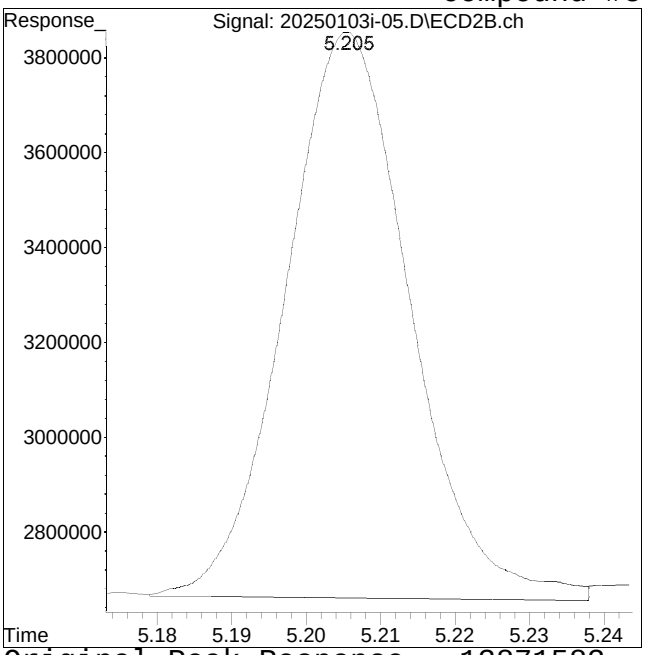
Original Peak Response = 9242543 Manual Peak Response = 8581919 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

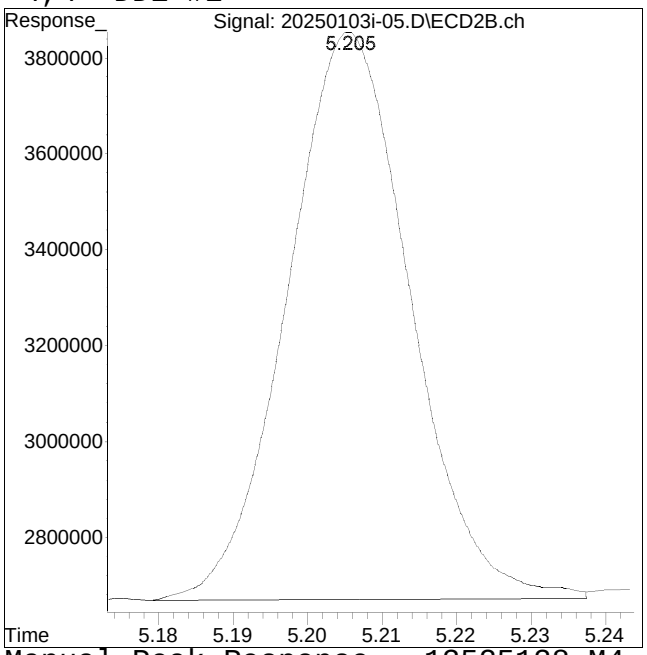
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-05.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:29 Instrument : PEST 20
Sample : il3pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:49 am

Compound #53: 4,4'-DDE #2



Original Peak Response = 13871583



Manual Peak Response = 13525138 M4

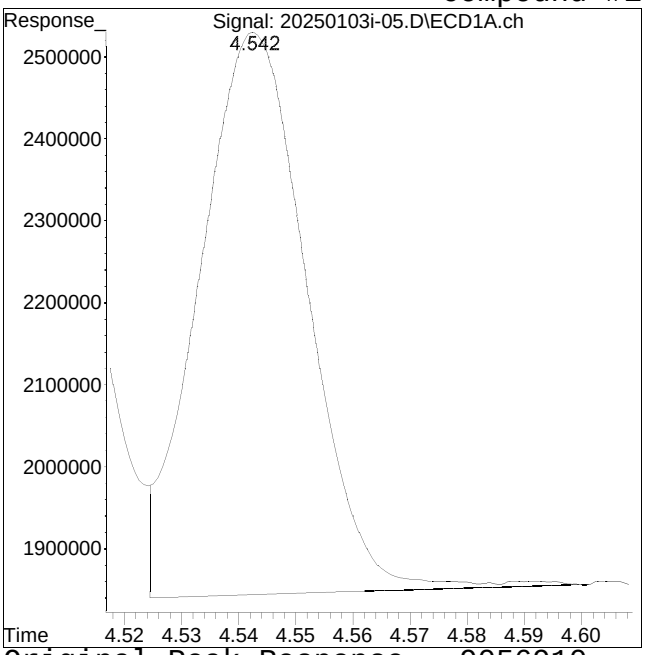
M4 = Poor automated baseline construction.

Manual Integration Report

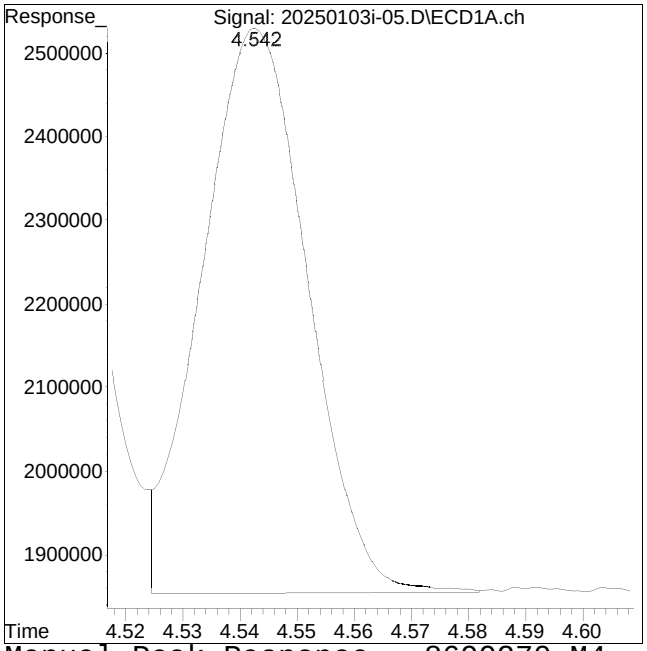
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-05.D
Date Inj'd : 1/3/2025 12:29
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:49 am

Compound #16: Endosulfan I



Original Peak Response = 9056910



Manual Peak Response = 8699270 M4

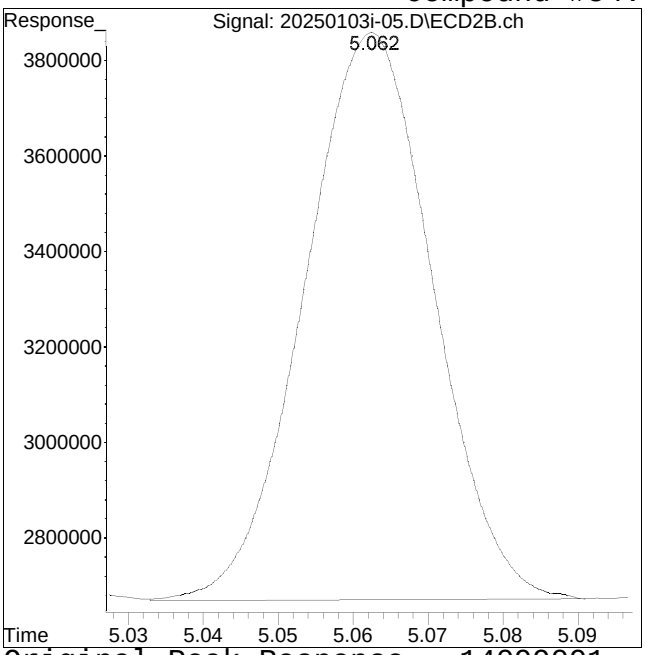
M4 = Poor automated baseline construction.

Manual Integration Report

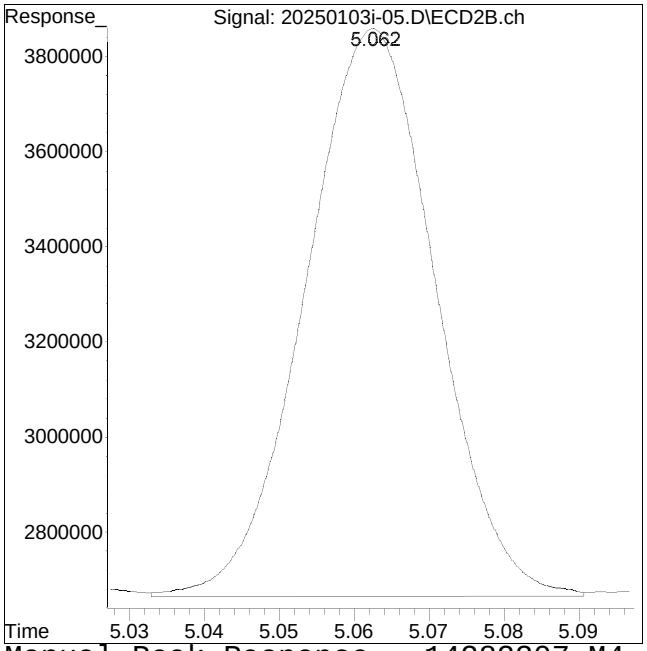
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-05.D
Date Inj'd : 1/3/2025 12:29
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:49 am

Compound #54: Endosulfan I #2



Original Peak Response = 14099091



Manual Peak Response = 14282307 M4

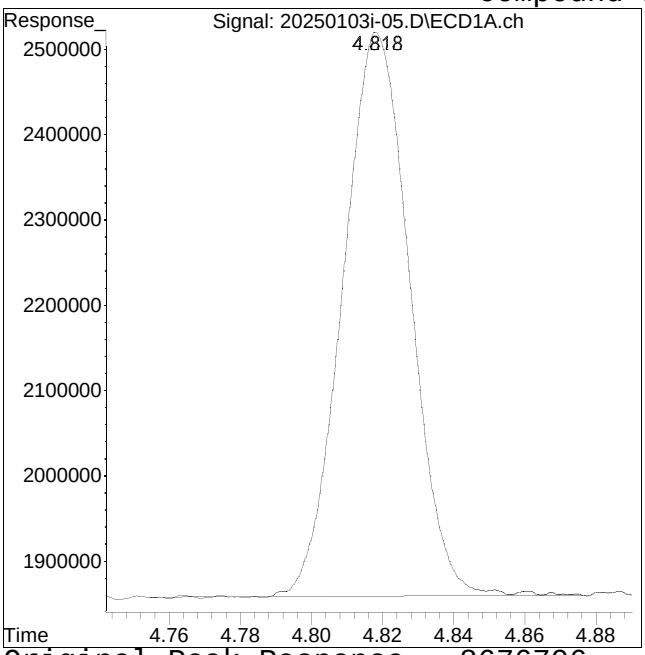
M4 = Poor automated baseline construction.

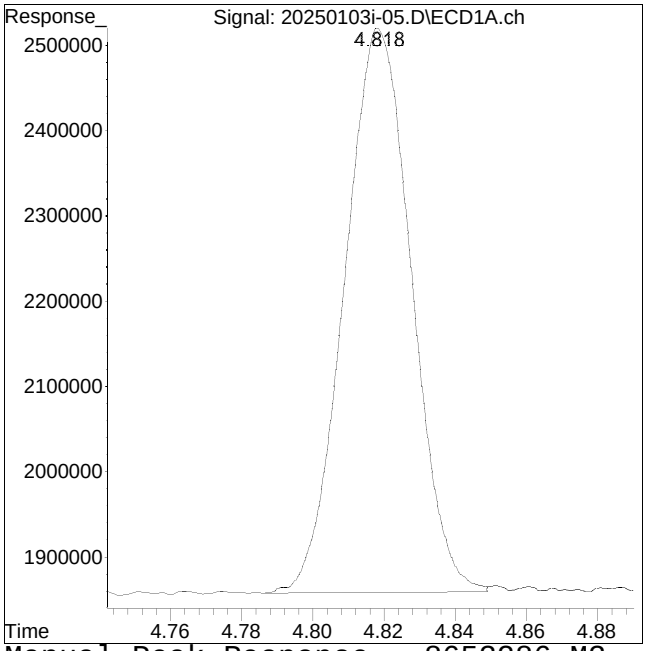
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-05.D
Date Inj'd : 1/3/2025 12:29
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:49 am

Compound #17: Dieldrin





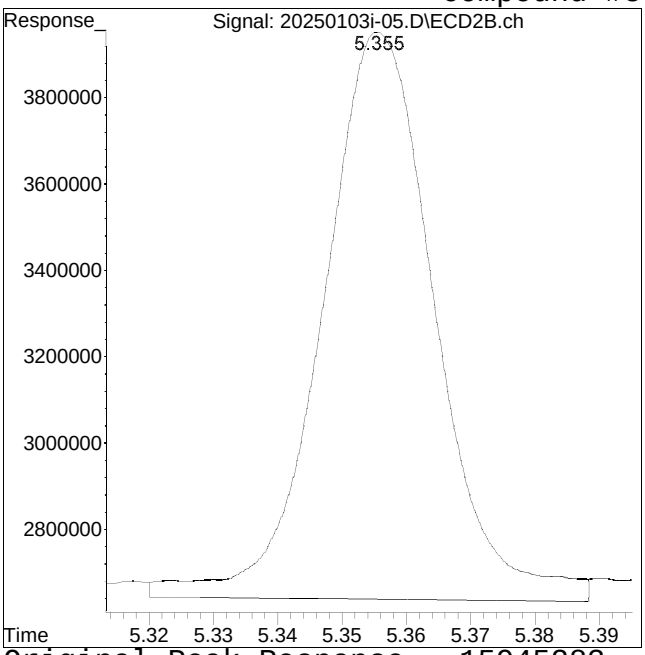
Original Peak Response = 8676706 Manual Peak Response = 8653286 M3

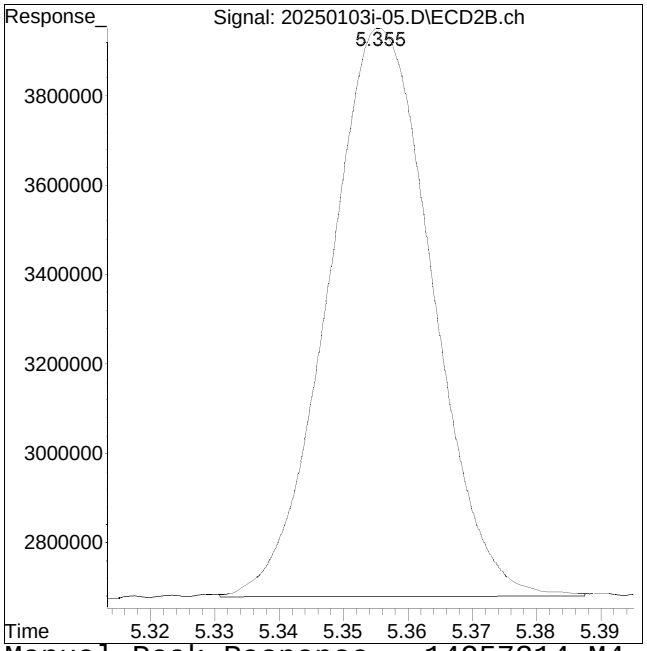
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-05.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:29 Instrument : PEST 20
Sample : il3pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:49 am

Compound #55: Dieldrin #2





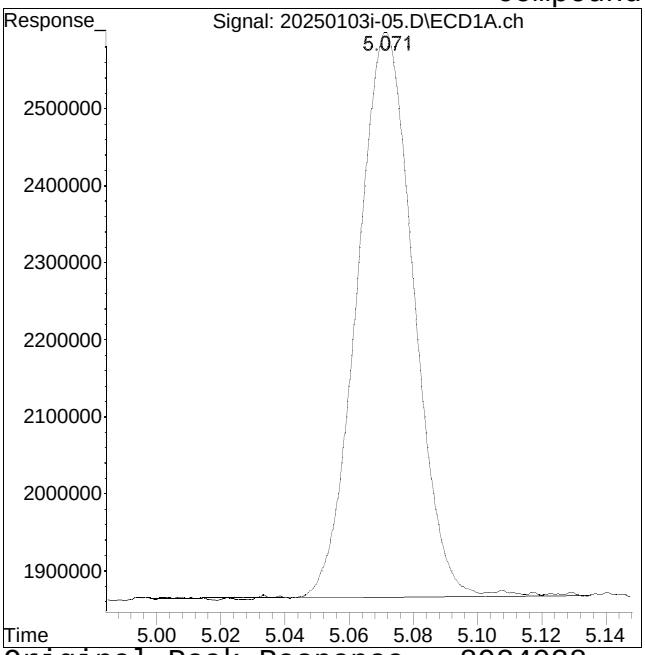
Original Peak Response = 15945283 Manual Peak Response = 14257314 M4
M4 = Poor automated baseline construction.

Manual Integration Report

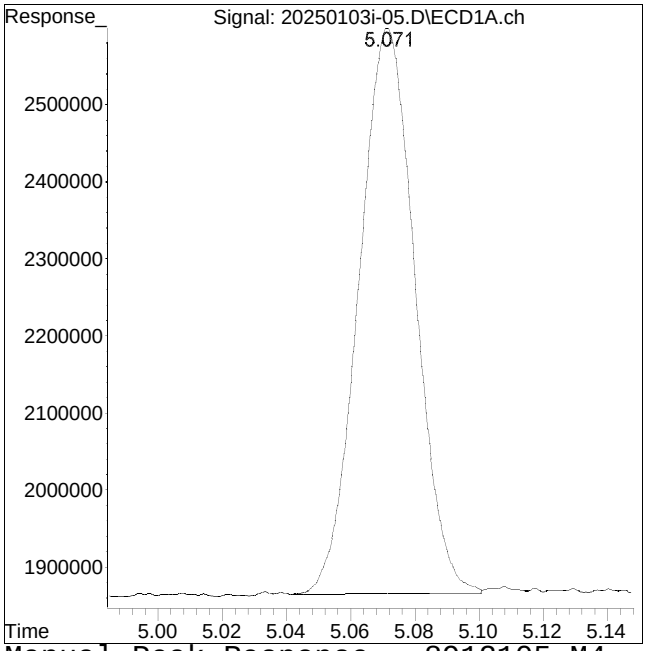
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-05.D
Date Inj'd : 1/3/2025 12:29
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:49 am

Compound #18: Endrin



Original Peak Response = 8924038



Manual Peak Response = 8912105 M4

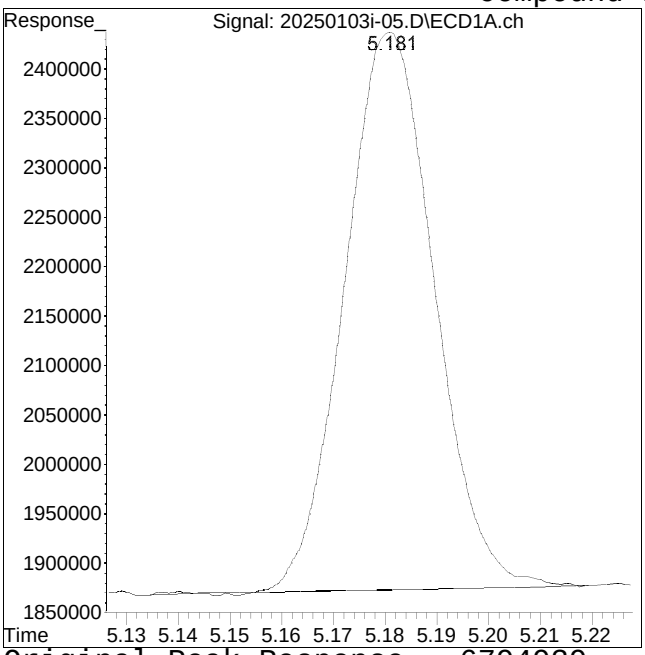
M4 = Poor automated baseline construction.

Manual Integration Report

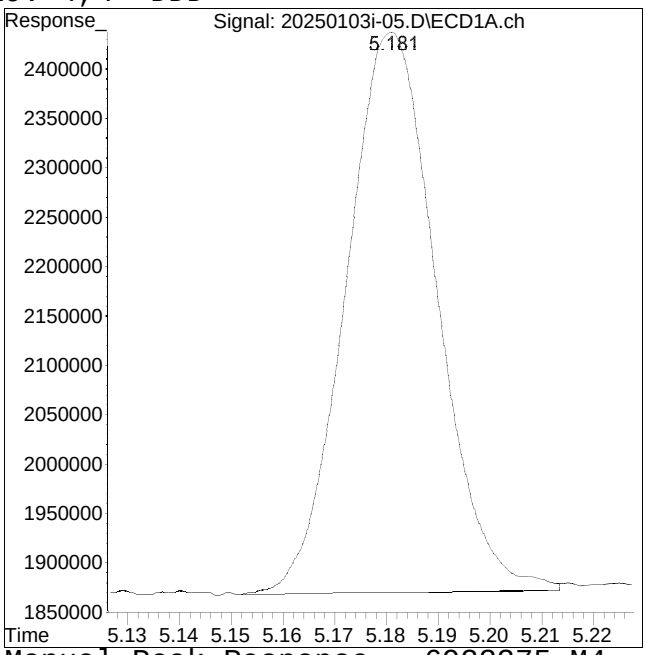
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-05.D
Date Inj'd : 1/3/2025 12:29
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:49 am

Compound #19: 4,4'-DDD



Original Peak Response = 6794939



Manual Peak Response = 6923375 M4

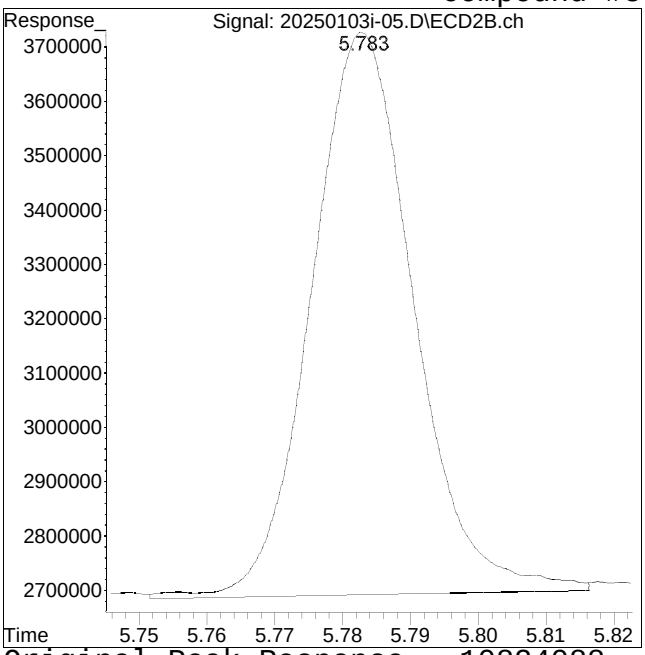
M4 = Poor automated baseline construction.

Manual Integration Report

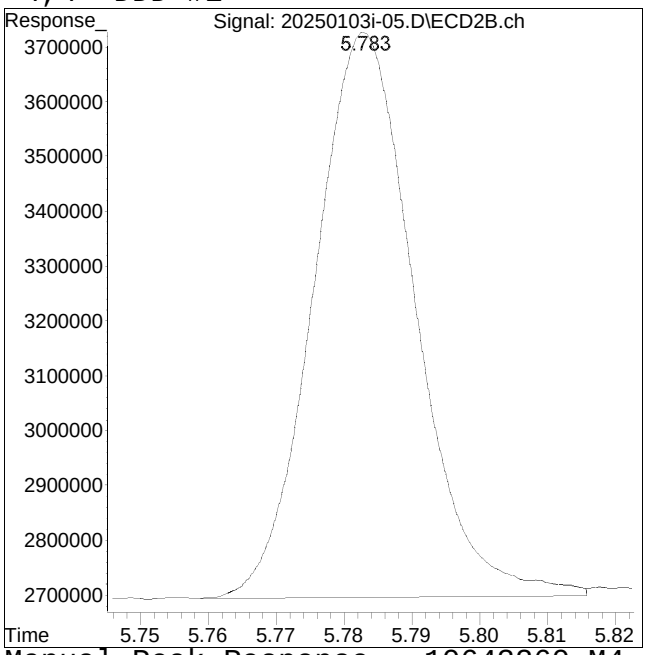
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-05.D
Date Inj'd : 1/3/2025 12:29
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:49 am

Compound #57: 4,4'-DDD #2



Original Peak Response = 10824088



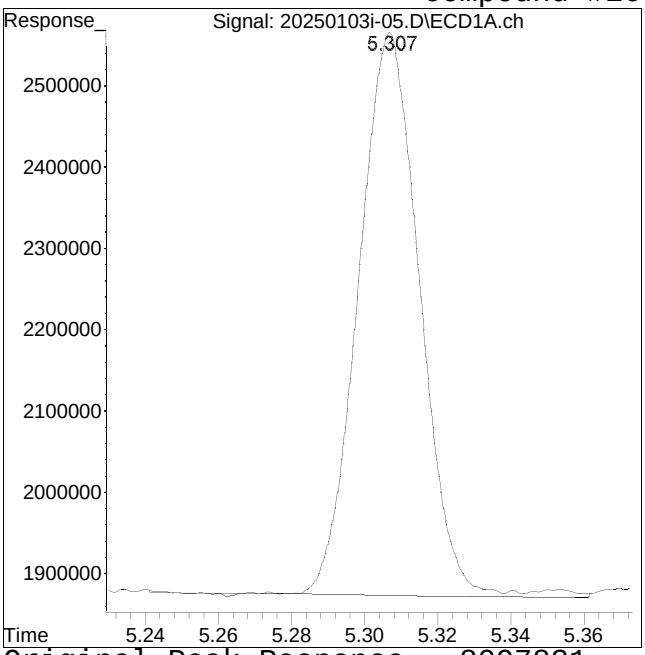
Manual Peak Response = 10643260 M4

M4 = Poor automated baseline construction.

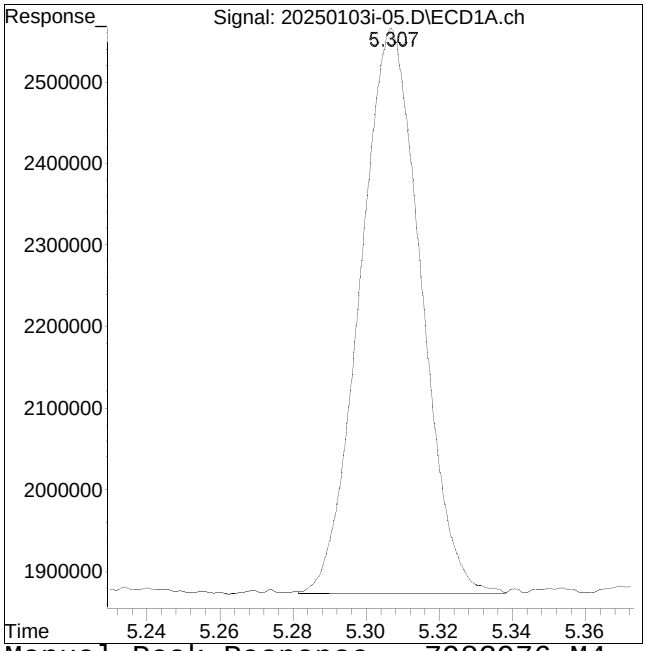
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-05.D
Date Inj'd : 1/3/2025 12:29
Sample : il3pest,42e,,pp 11941 L0.0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:49 am

Compound #20: Endosulfan II



Original Peak Response = 8097831



Manual Peak Response = 7983976 M4

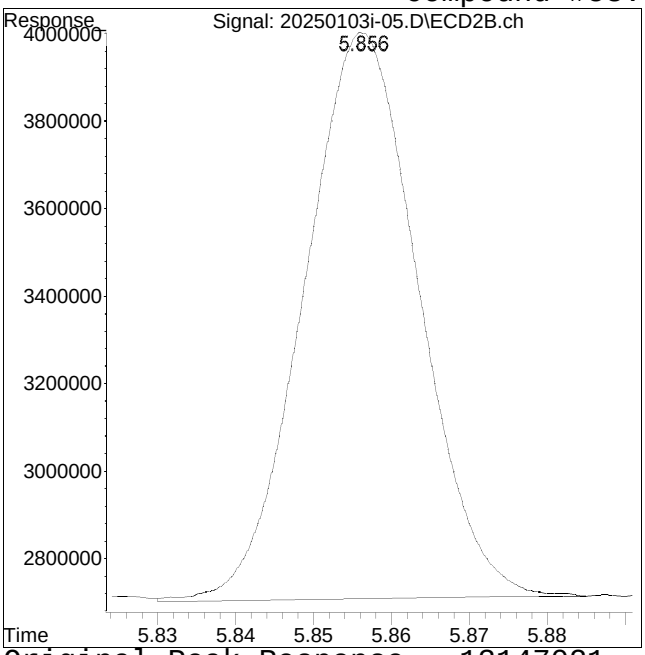
M4 = Poor automated baseline construction.

Manual Integration Report

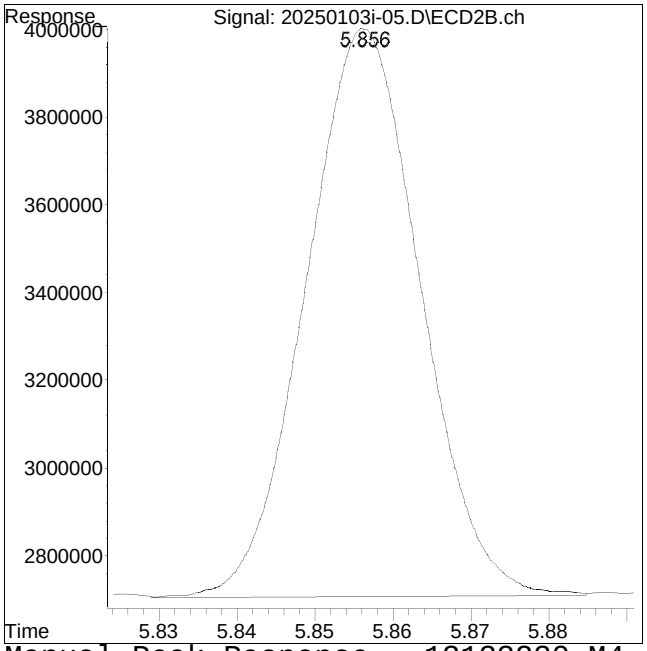
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-05.D
Date Inj'd : 1/3/2025 12:29
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:49 am

Compound #58: Endosulfan II #2



Original Peak Response = 13147021



Manual Peak Response = 13133230 M4

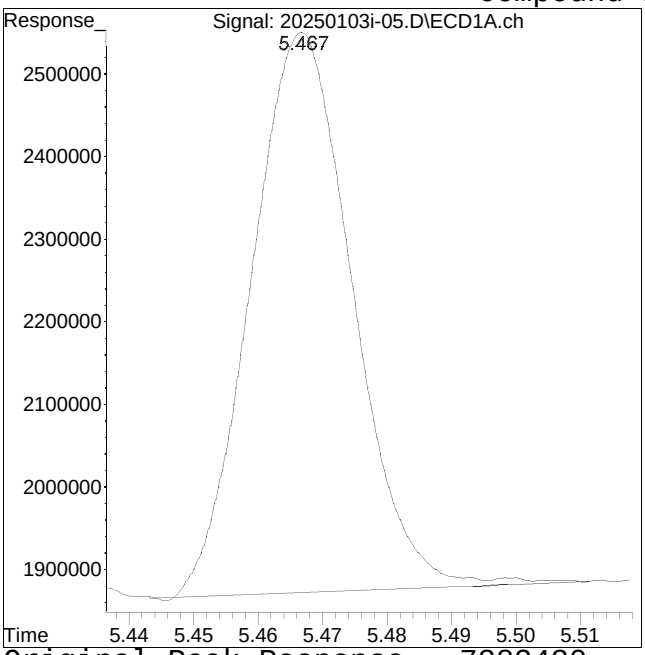
M4 = Poor automated baseline construction.

Manual Integration Report

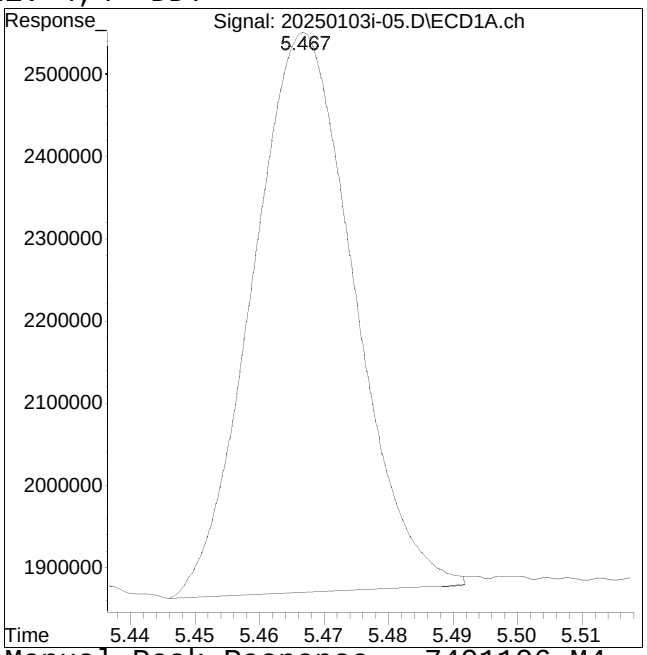
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-05.D
Date Inj'd : 1/3/2025 12:29
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:49 am

Compound #21: 4,4'-DDT



Original Peak Response = 7383430



Manual Peak Response = 7401106 M4

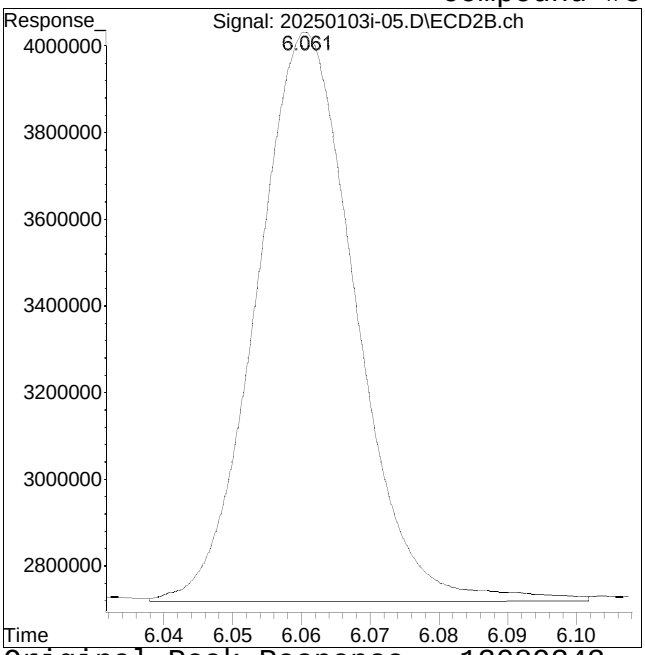
M4 = Poor automated baseline construction.

Manual Integration Report

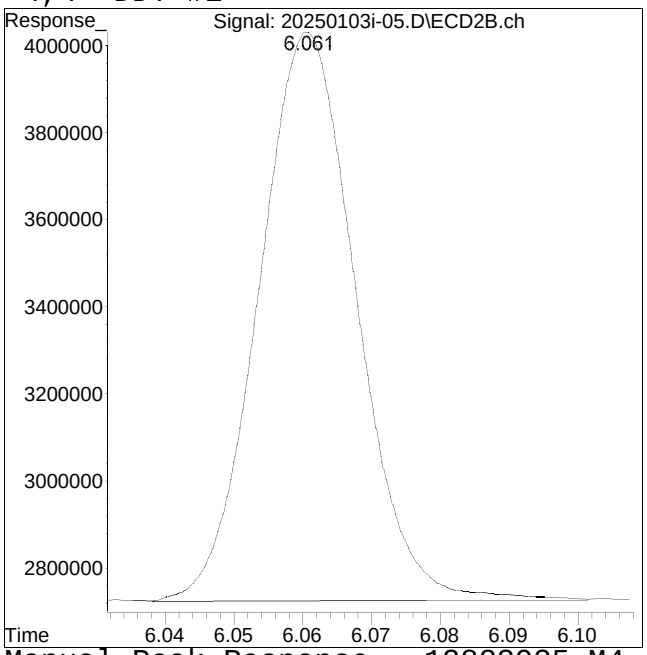
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-05.D
Date Inj'd : 1/3/2025 12:29
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:49 am

Compound #59: 4,4'-DDT #2



Original Peak Response = 13089343



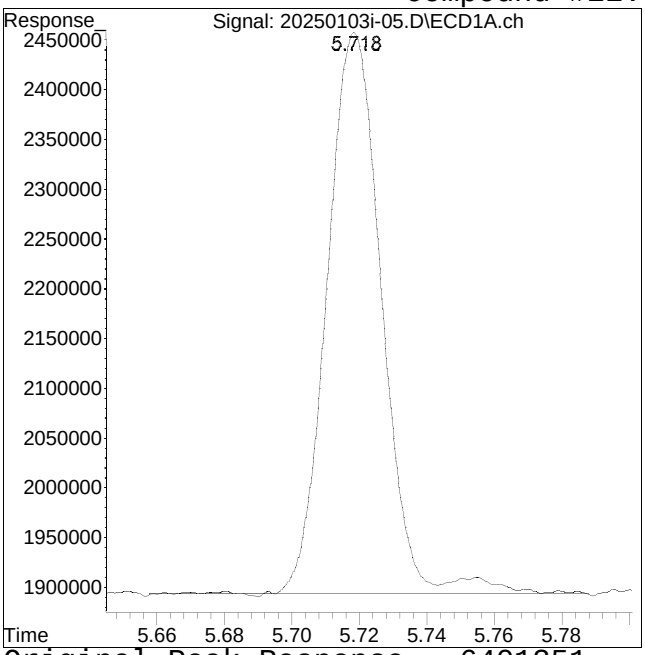
Manual Peak Response = 12823935 M4

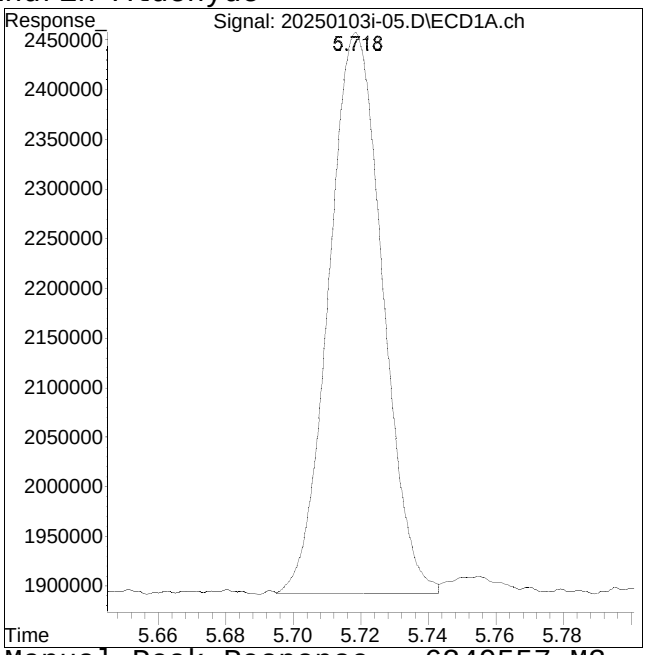
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-05.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:29 Instrument : PEST 20
Sample : il3pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:49 am

Compound #22: Endrin Aldehyde





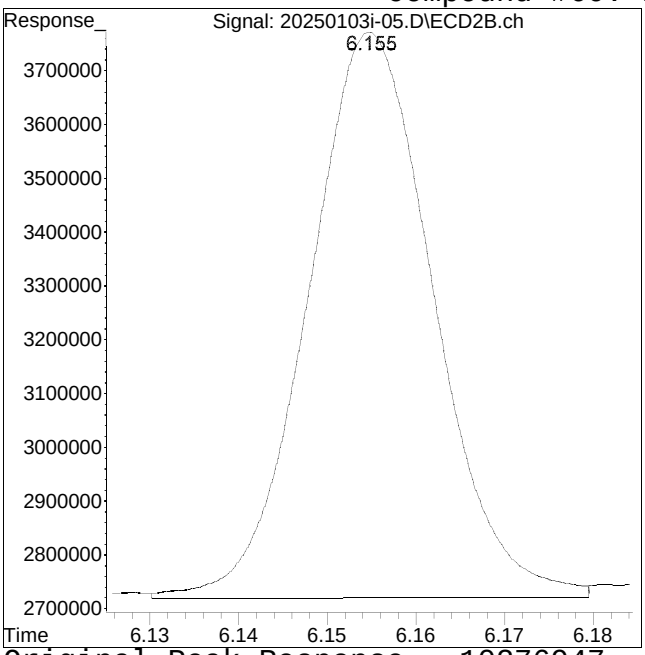
Original Peak Response = 6401351 Manual Peak Response = 6249557 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

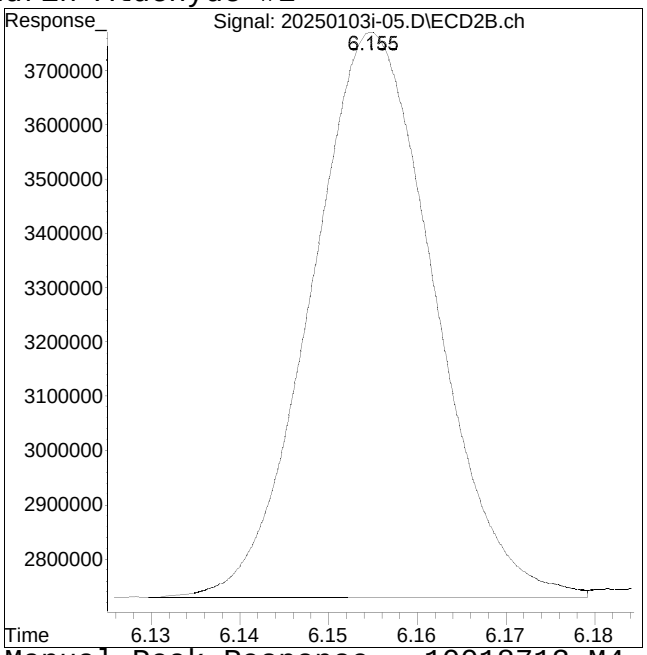
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-05.D
Date Inj'd : 1/3/2025 12:29
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:49 am

Compound #60: Endrin Aldehyde #2



Original Peak Response = 10276947



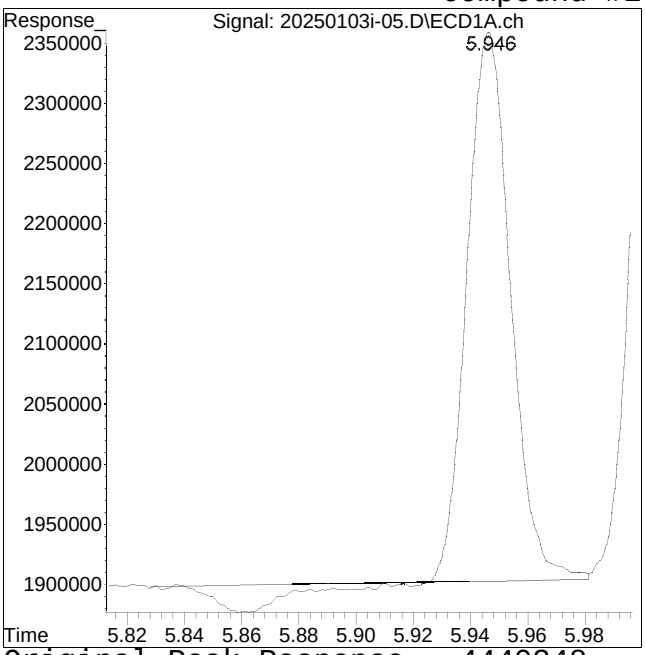
Manual Peak Response = 10018713 M4

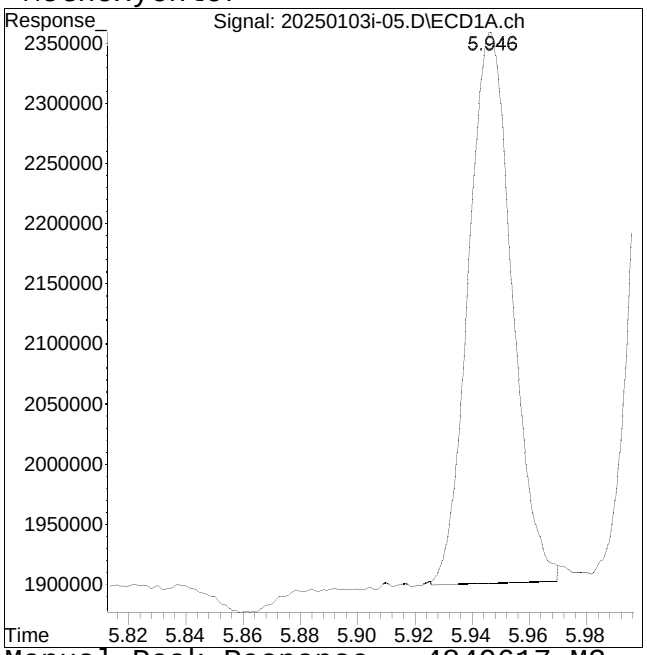
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-05.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:29 Instrument : PEST 20
Sample : il3pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:49 am

Compound #23: Methoxychlor



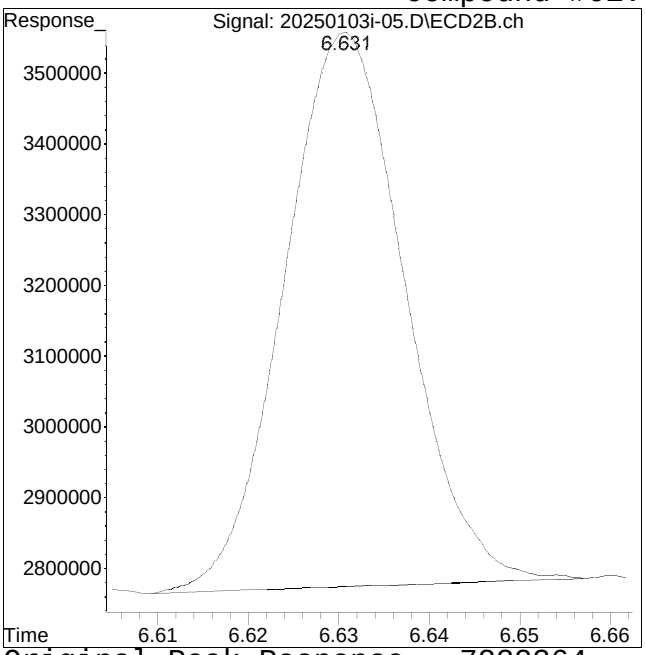


Original Peak Response = 4440348 Manual Peak Response = 4849617 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

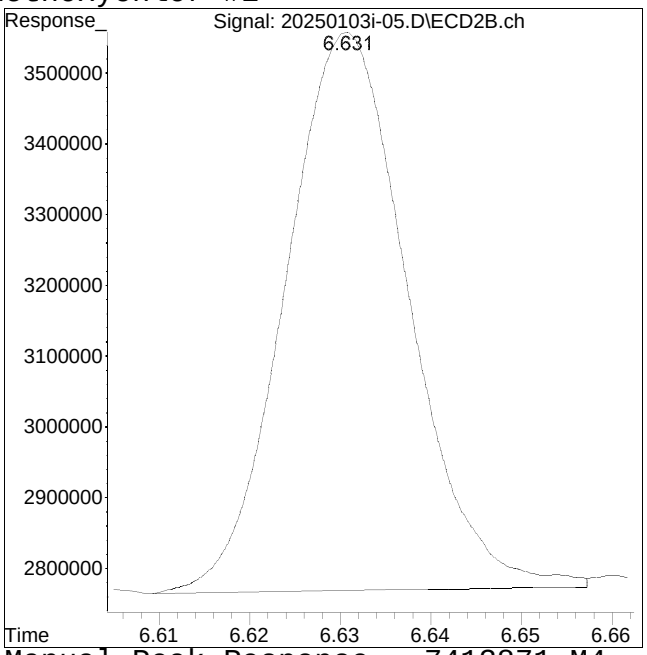
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-05.D
Date Inj'd : 1/3/2025 12:29
Sample : il3pest,42e,,pp 11941 L0.0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:49 am

Compound #61: Methoxychlor #2



Original Peak Response = 7232364



Manual Peak Response = 7413871 M4

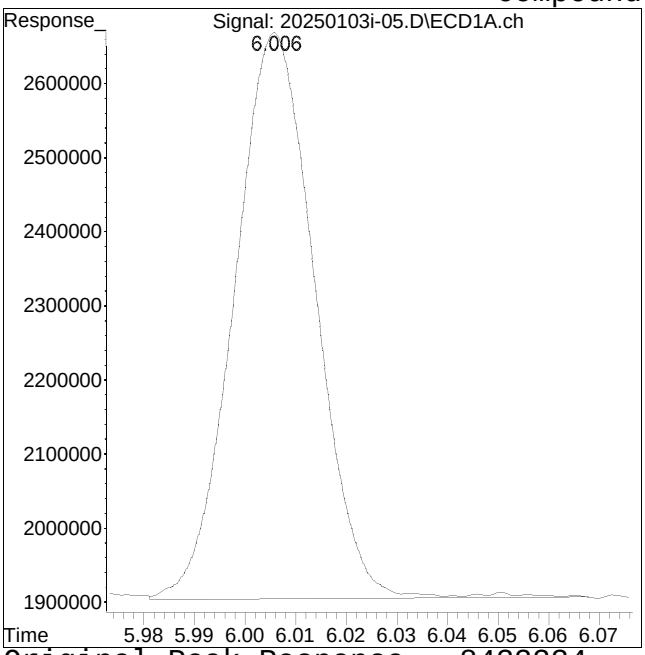
M4 = Poor automated baseline construction.

Manual Integration Report

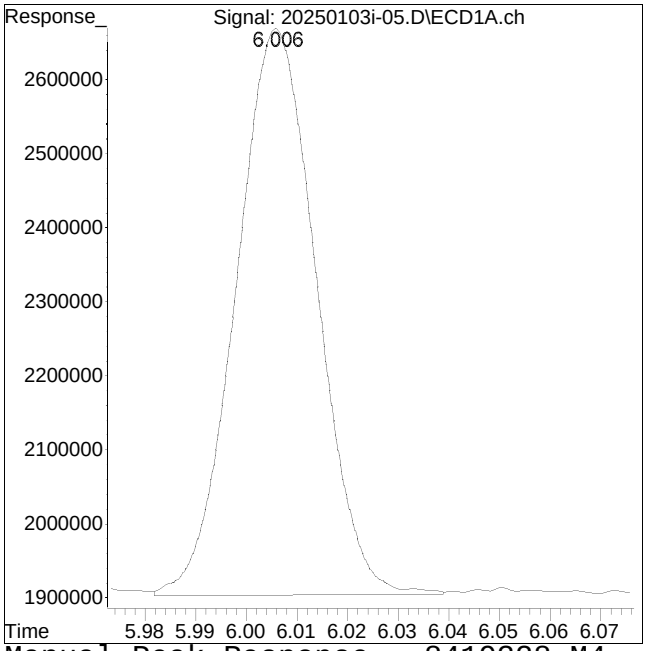
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-05.D
Date Inj'd : 1/3/2025 12:29
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:49 am

Compound #24: Mirex



Original Peak Response = 8433334



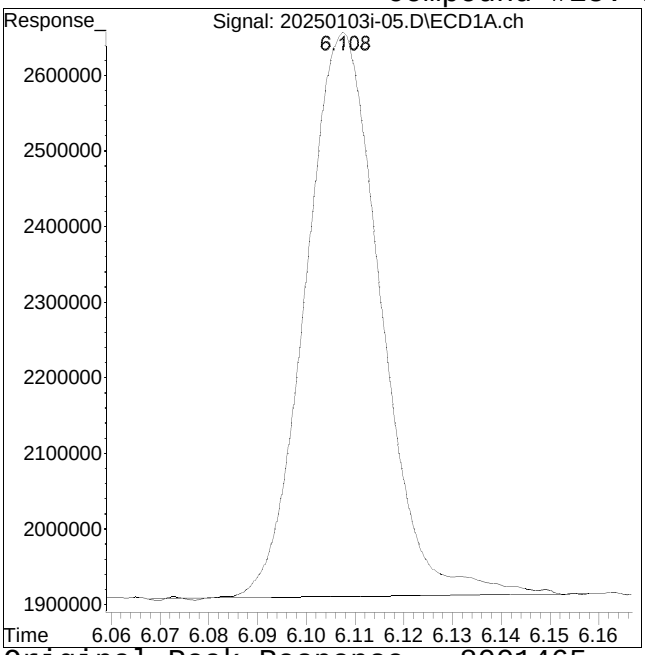
Manual Peak Response = 8419328 M4

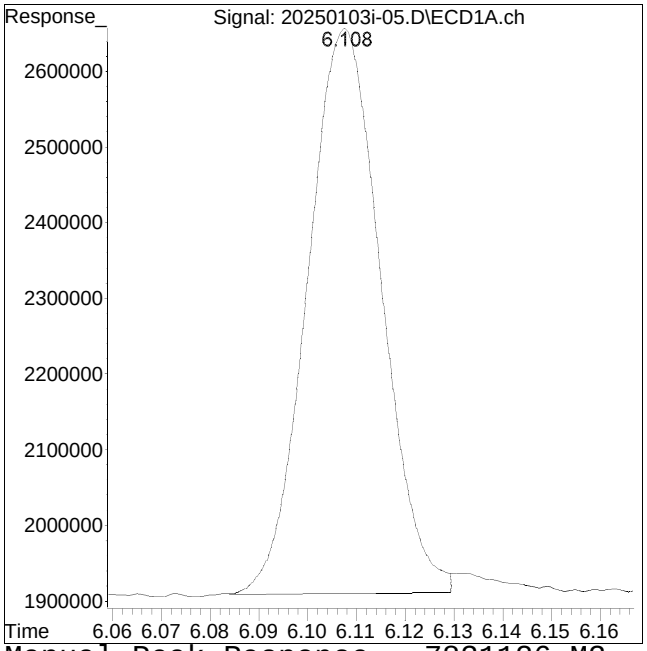
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-05.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:29 Instrument : PEST 20
Sample : il3pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:49 am

Compound #25: Endosulfan Sulfate





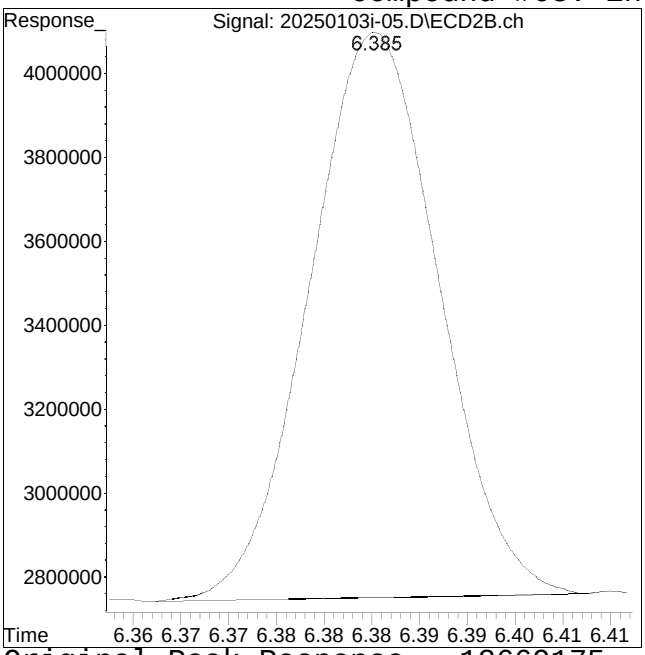
Original Peak Response = 8001465 Manual Peak Response = 7831126 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

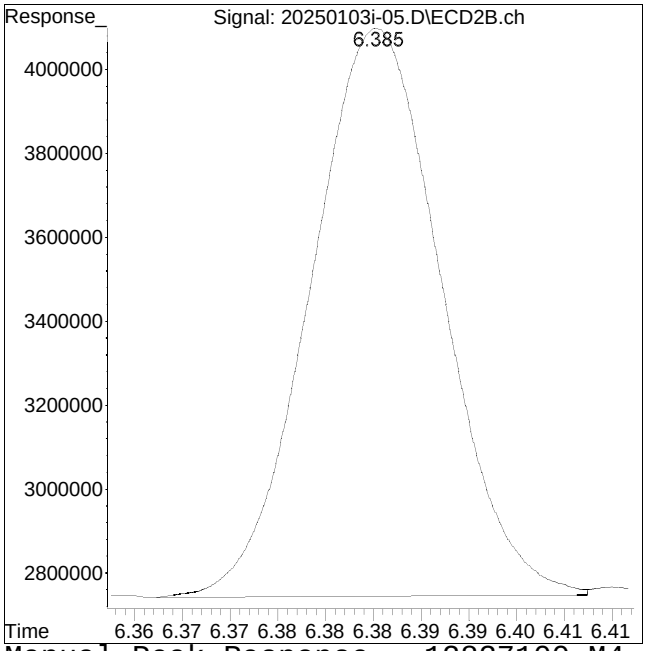
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-05.D
Date Inj'd : 1/3/2025 12:29
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:49 am

Compound #63: Endosulfan Sulfate #2



Original Peak Response = 12669175



Manual Peak Response = 12837100 M4

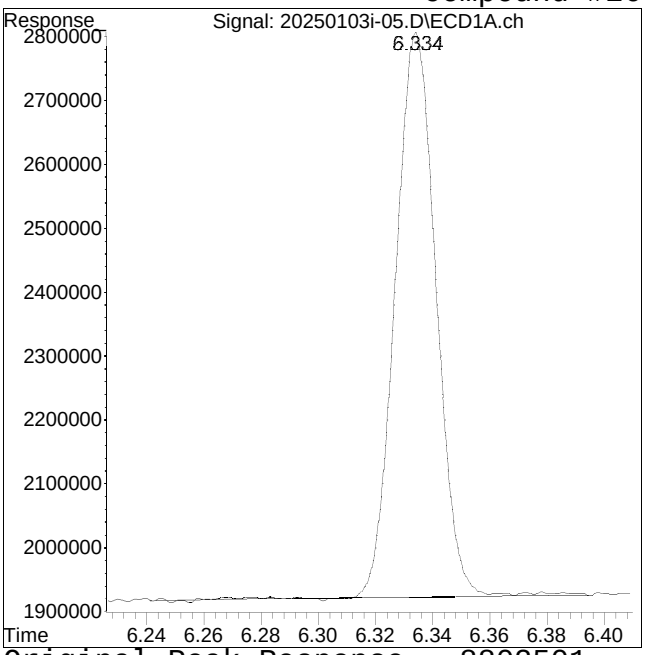
M4 = Poor automated baseline construction.

Manual Integration Report

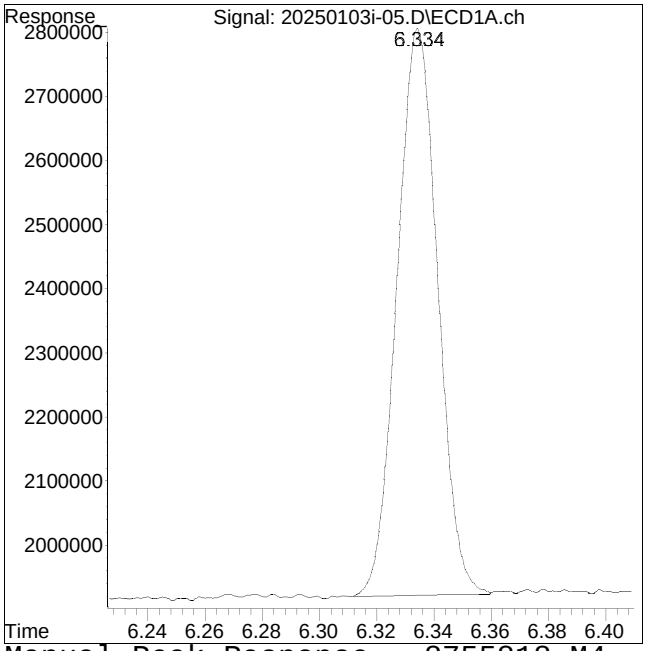
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-05.D
Date Inj'd : 1/3/2025 12:29
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:49 am

Compound #26: Endrin Ketone



Original Peak Response = 8802501



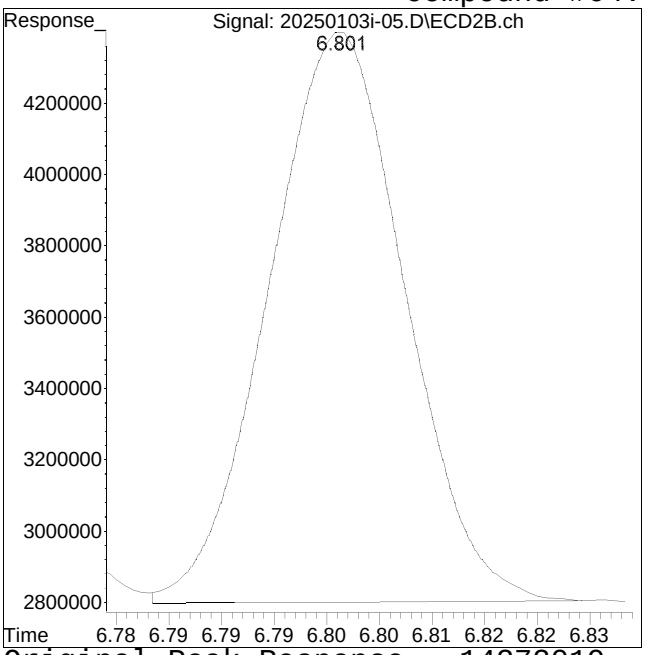
Manual Peak Response = 8755818 M4

M4 = Poor automated baseline construction.

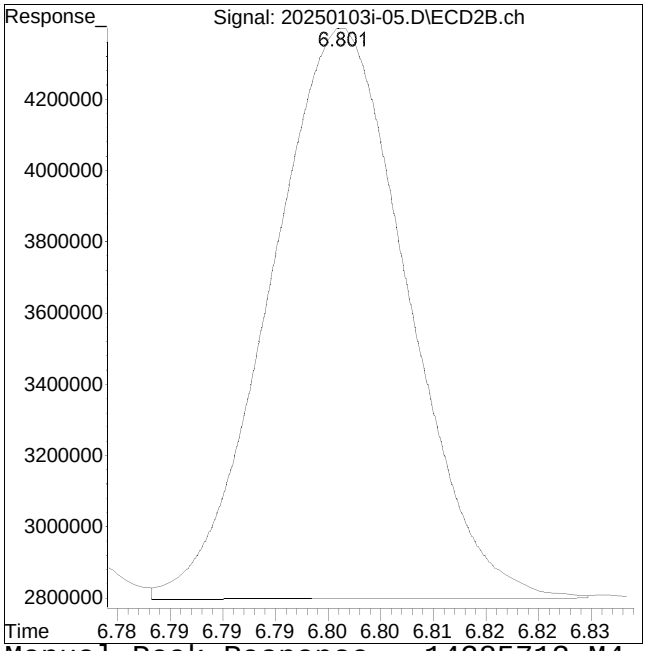
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-05.D
Date Inj'd : 1/3/2025 12:29
Sample : il3pest,42e,,pp 11941 L0.0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:49 am

Compound #64: Endrin Ketone #2



Original Peak Response = 14272019



Manual Peak Response = 14385713 M4

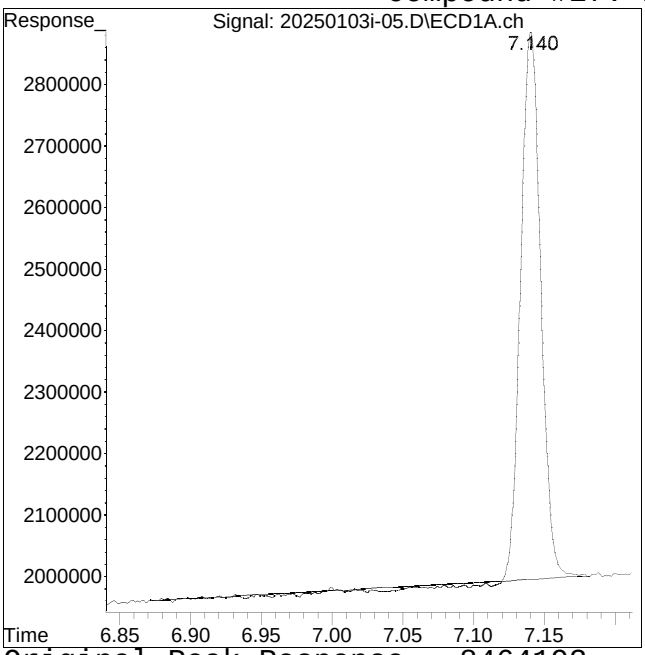
M4 = Poor automated baseline construction.

Manual Integration Report

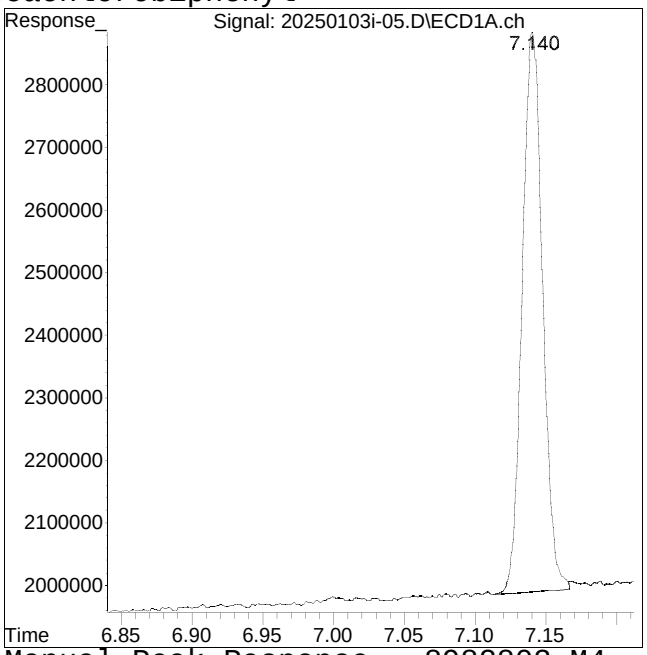
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-05.D
Date Inj'd : 1/3/2025 12:29
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:49 am

Compound #27: Decachlorobiphenyl



Original Peak Response = 8464193



Manual Peak Response = 8982803 M4

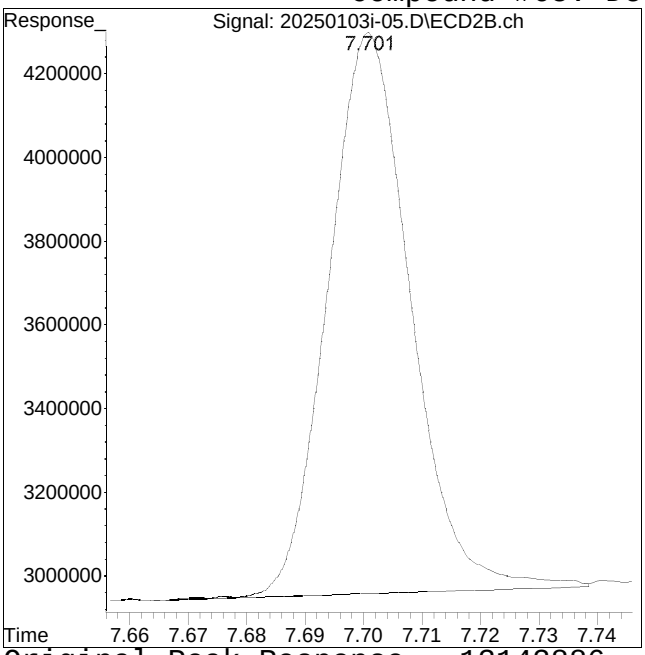
M4 = Poor automated baseline construction.

Manual Integration Report

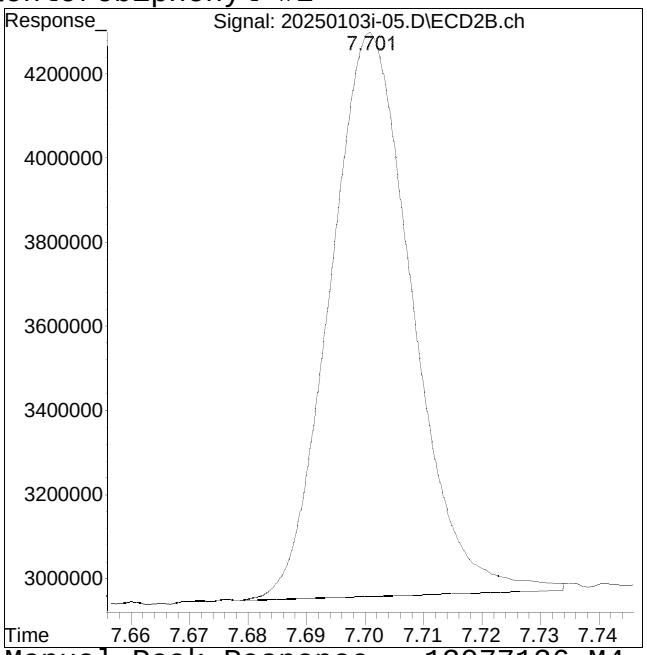
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-05.D
Date Inj'd : 1/3/2025 12:29
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:49 am

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 13143886



Manual Peak Response = 13077136 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-06.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 12:41
Operator : pest20:ejl
Sample : il4pest,42e,,pp 11941 L0.003
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 10:13:52 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 10:13:46 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
		Internal Standards						
1)	i	1-br-2-nb_Pe	1.803	1.853	85175622	157.4E6	25.000M3	25.000M3
28)	i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33)	i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
		System Monitoring Compounds						
2)	s	2,4,5,6-Tetr	2.261	2.435	12804905	22297741	3.376M4	3.321M4
		Spiked Amount 50.000	Range 30 - 150		Recovery =		6.75%#	6.64%#
27)	s	Decachlorobi	7.141	7.700	13438447	19845207	3.682M3	3.566M4
		Spiked Amount 50.000	Range 30 - 150		Recovery =		7.36%#	7.13%#
		Target Compounds						
3)		Hexachlorobe	2.519	2.796	14362706	24595152	3.587M3	3.508
4)		alpha-BHC	2.638	2.903	14936403	26180168	3.049M3	2.924M4
5)		gamma-BHC (l	2.872	3.213	14243889	25027173	3.168M3	3.042
6)		beta-BHC	2.941	3.289	7677336	13054961	3.640M4	3.420M4
7)		delta-BHC	3.083	3.570	14047678	24122966	3.070M4	2.906M3
8)		Heptachlor	3.263	3.630	14744739	25454956	3.371M4	3.262M4
9)		Aldrin	3.530	3.964	13497549	22960144	3.184M4	3.089M4
10)		Alachlor	3.674	3.854	2591498	3901830	3.524M3	3.340M4
11)		Chlorpyrifos	3.774	4.224	8144917	13672556	3.846M3	3.628M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-06.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 12:41
Operator : pest20:ejl
Sample : il4pest,42e,,pp 11941 L0.003
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 10:13:52 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 10:13:46 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)		Heptachlor E	4.123	4.605	13547024	22987315	3.375M3	3.211
13)		gamma-Chlord	4.256	4.834	12219047	20645920	3.322M3	3.175
14)		alpha-Chlord	4.399	5.003	13996546	23567345	3.344M3	3.246
15)		4,4'-DDE	4.507	5.205	12925934	20831178	3.095M3	2.995M4
16)		Endosulfan I	4.543	5.062	13057710	21990756	3.383M4	3.220M4
17)		Dieldrin	4.819	5.356	13103311	21757772	3.235M4	3.065
18)		Endrin	5.072	5.654	13490026	23402294	3.255M4	3.190M4
19)		4,4'-DDD	5.181	5.783	10472387	16492144	3.128M3	2.960M4
20)		Endosulfan I	5.307	5.856	12049988	20429816	3.362M4	3.229M4
21)		4,4'-DDT	5.466	6.060	11544740	19751720	3.187M3	3.079M4
22)		Endrin Aldeh	5.718	6.155	9426518	15289264	3.181M3	2.983M4
23)		Methoxychlor	5.946	6.631	7547117	11423053	3.704M3	3.366M3
24)		Mirex	6.006	6.764	12514802	19908343	3.780M3	3.644M4
25)		Endosulfan S	6.108	6.386	11794299	19598791	3.489M3	3.297
26)		Endrin Keton	6.335	6.801	13217353	22286267	3.389M4	3.243M3
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-06.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 12:41
Operator : pest20:ejl
Sample : il4pest,42e,,pp 11941 L0.003
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 10:13:52 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 10:13:46 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

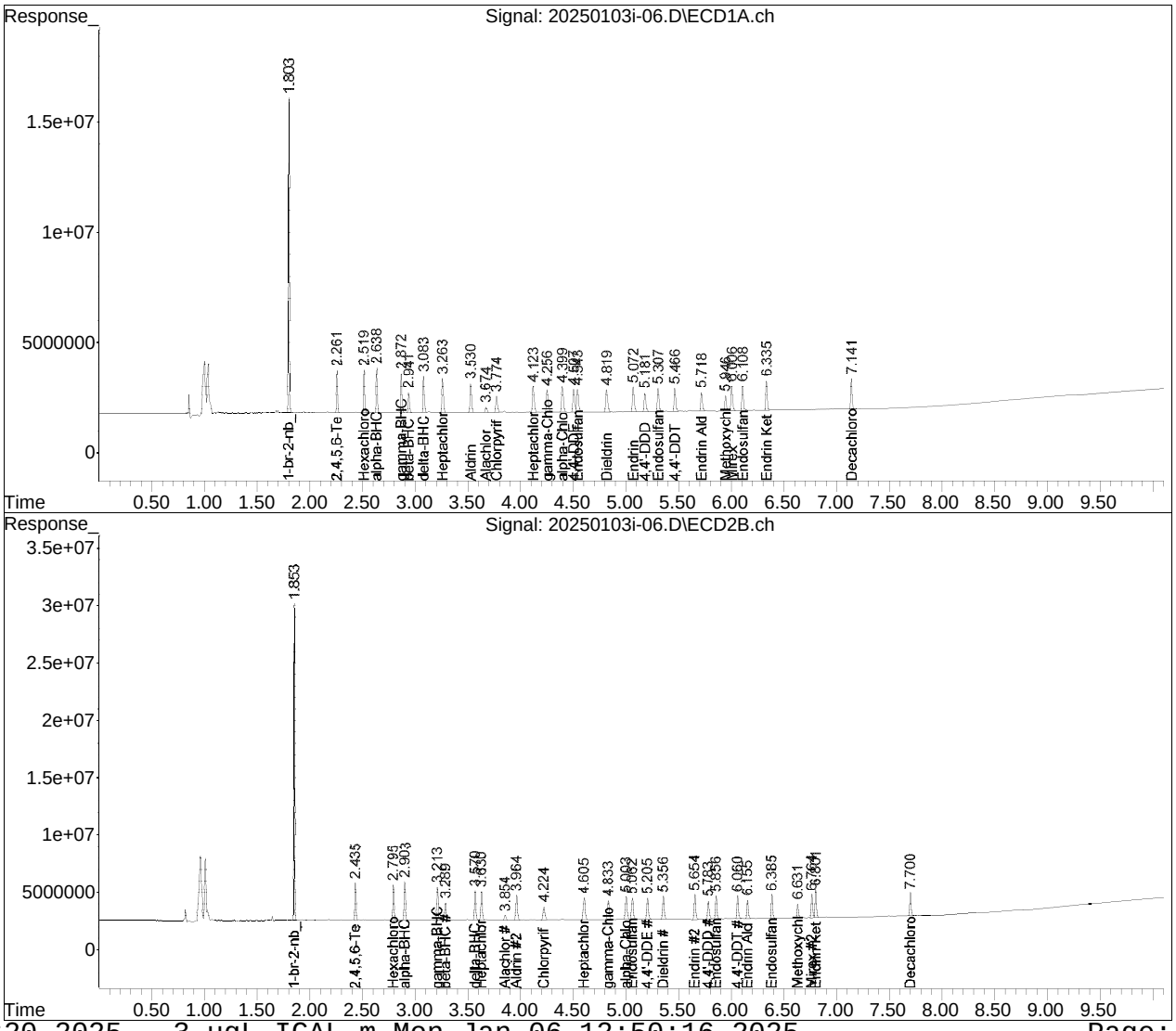
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-06.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 12:41
Operator : pest20:ejl
Sample : il4pest,42e,,pp 11941 L0.003
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 10:13:52 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 10:13:46 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

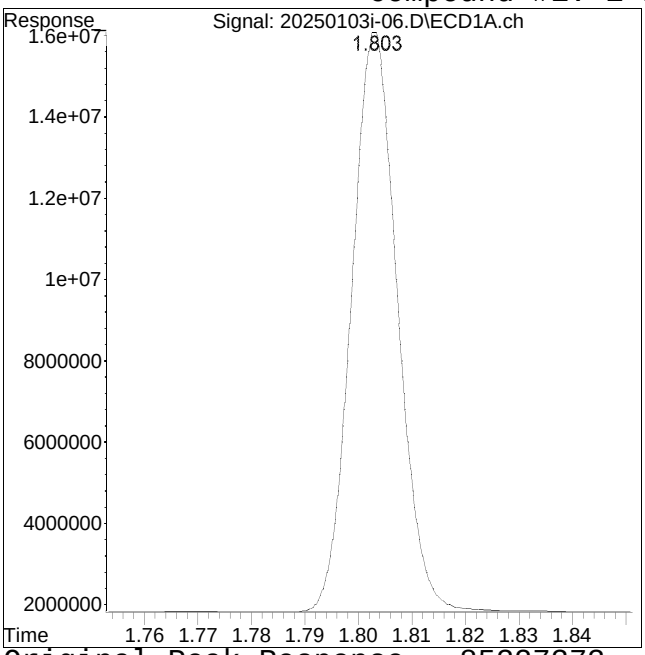


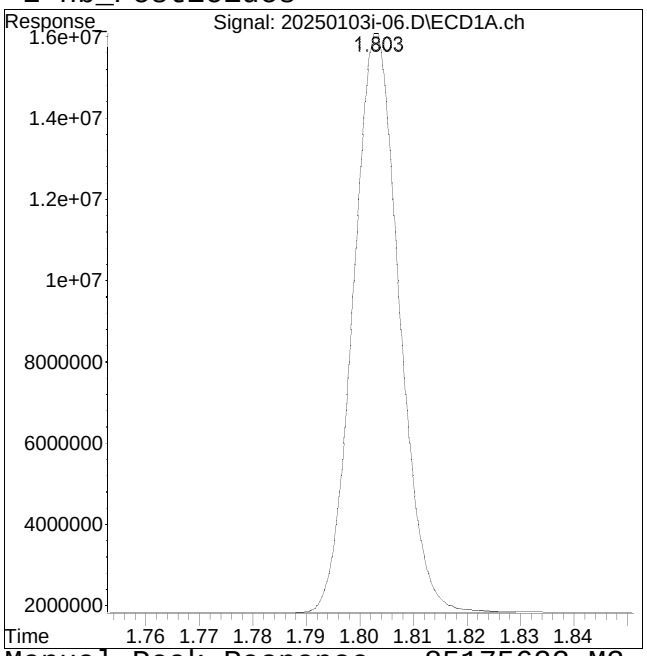
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-06.D
Date Inj'd : 1/3/2025 12:41
Sample : il4pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:13 am

Compound #1: 1-br-2-nb_Pesticides





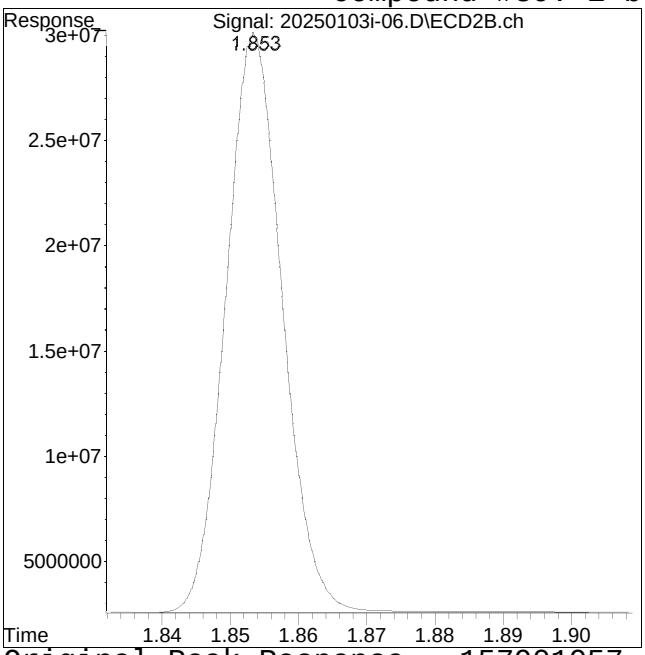
Original Peak Response = 85327373 Manual Peak Response = 85175622 M3

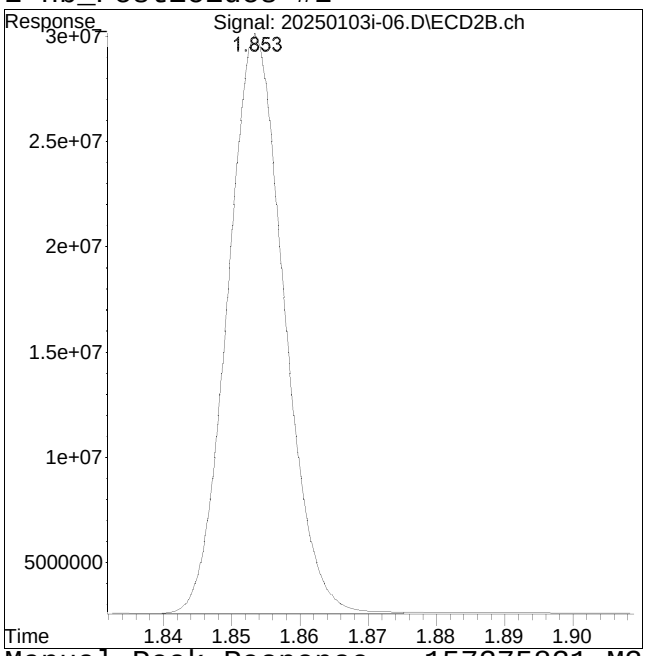
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-06.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:41 Instrument : PEST 20
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:13 am

Compound #39: 1-br-2-nb_Pesticides #2



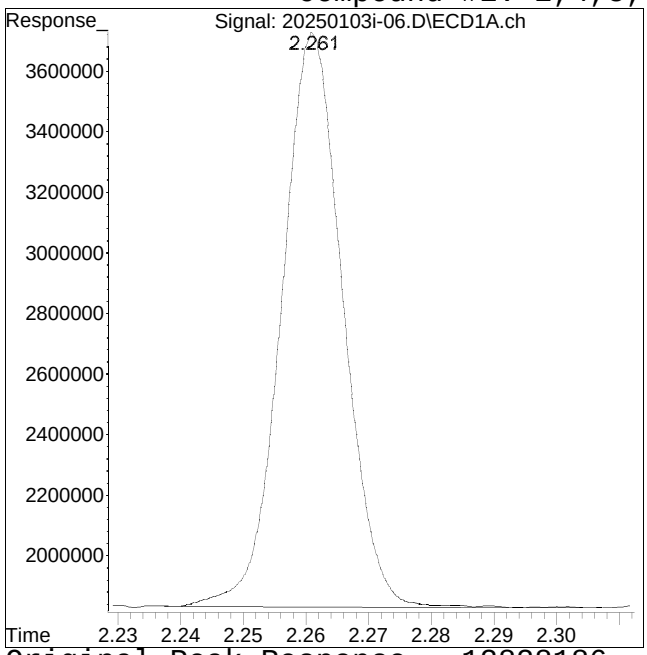


Original Peak Response = 157901957 Manual Peak Response = 157375831 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

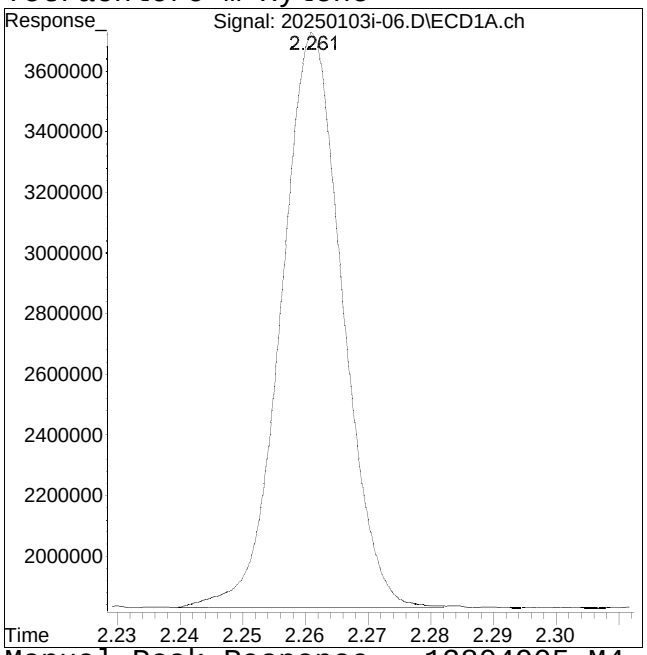
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-06.D
Date Inj'd : 1/3/2025 12:41
Sample : il4pest,42e,,pp 11941 L0.0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:13 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 12828186



Manual Peak Response = 12804905 M4

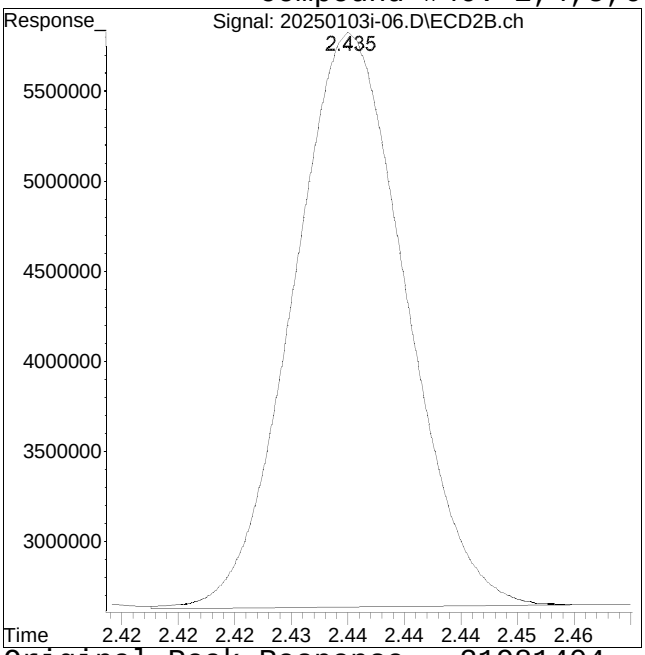
M4 = Poor automated baseline construction.

Manual Integration Report

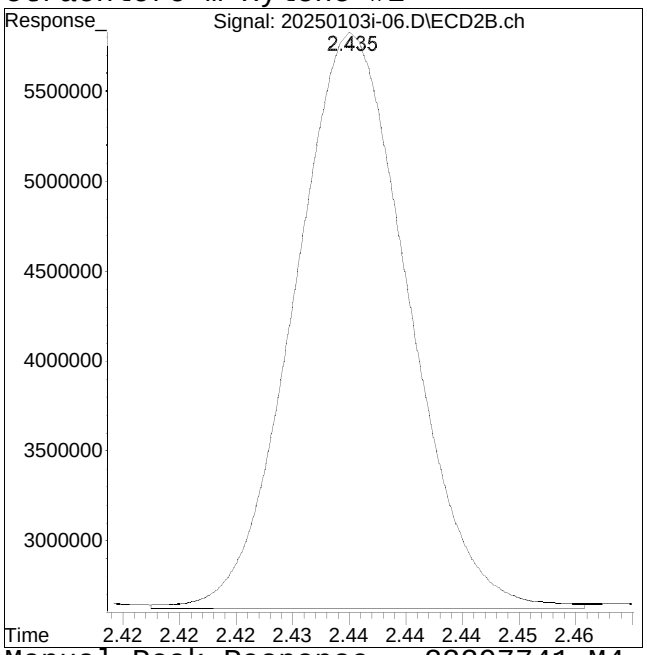
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-06.D
Date Inj'd : 1/3/2025 12:41
Sample : il4pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:13 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 21981404



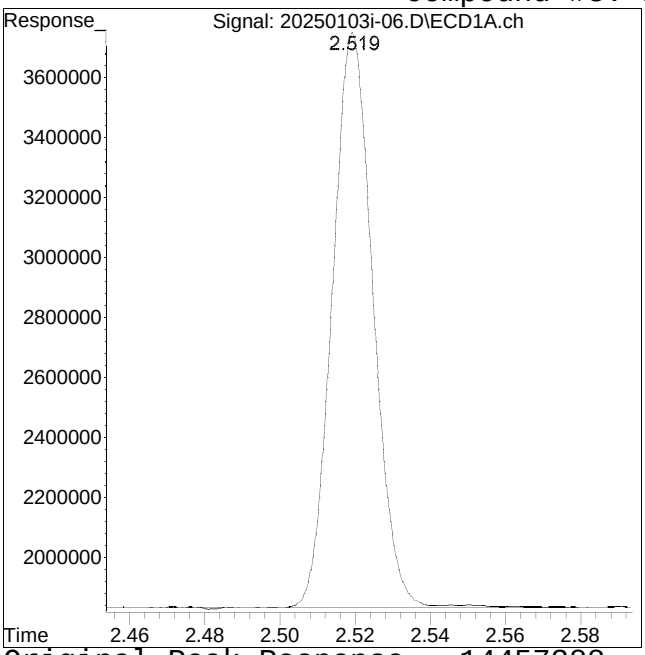
Manual Peak Response = 22297741 M4

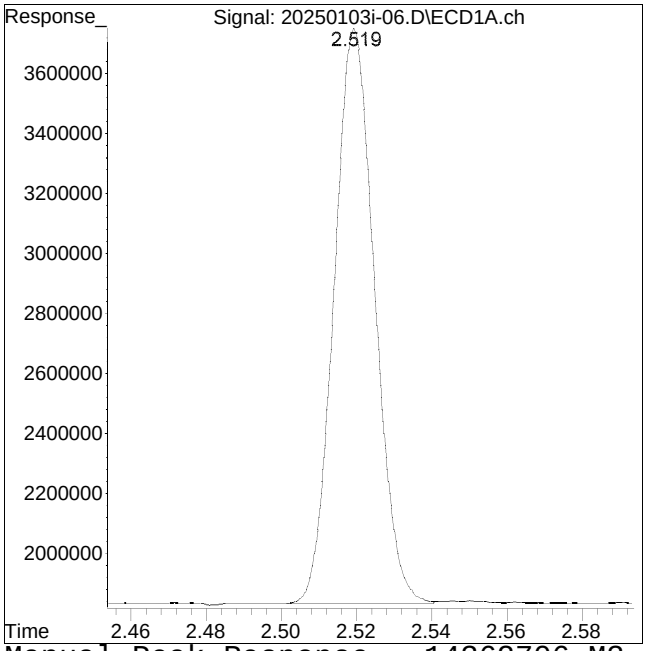
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-06.D
Date Inj'd : 1/3/2025 12:41
Sample : il4pest,42e,,pp 11941 L0.0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:13 am

Compound #3: Hexachlorobenzene



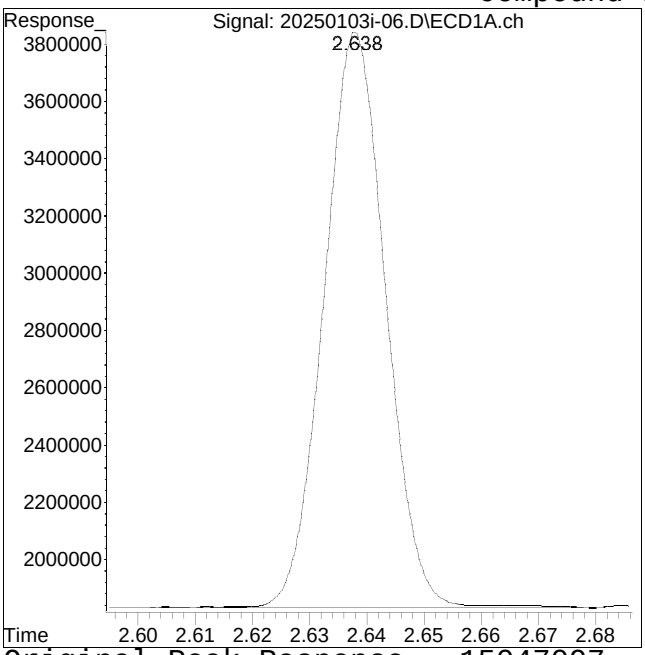


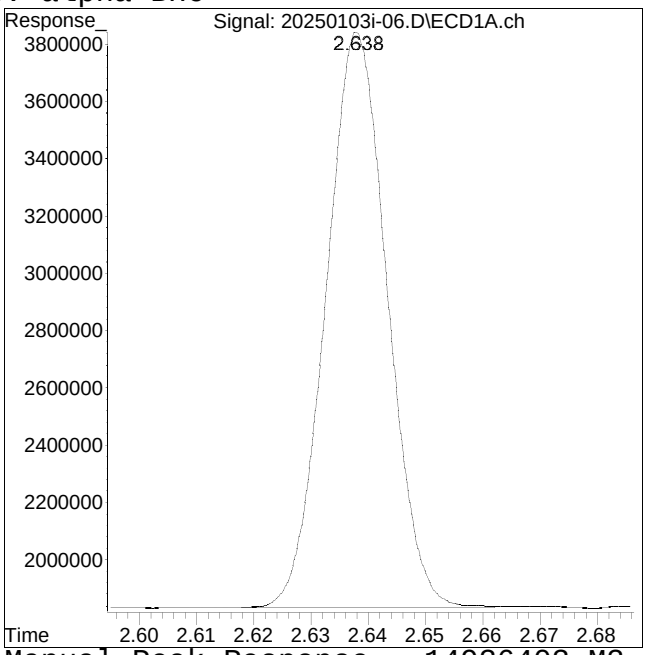
Original Peak Response = 14457388 Manual Peak Response = 14362706 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-06.D
Date Inj'd : 1/3/2025 12:41
Sample : il4pest,42e,,pp 11941 L0.0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:13 am

Compound #4: alpha-BHC



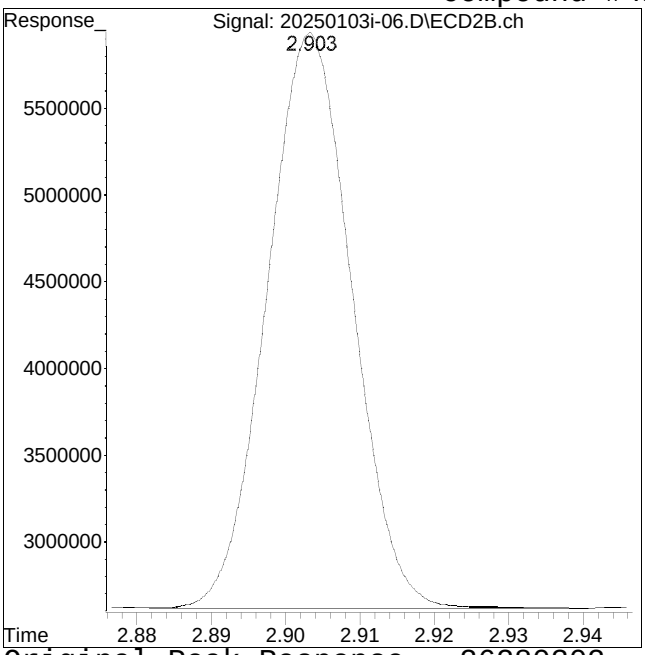


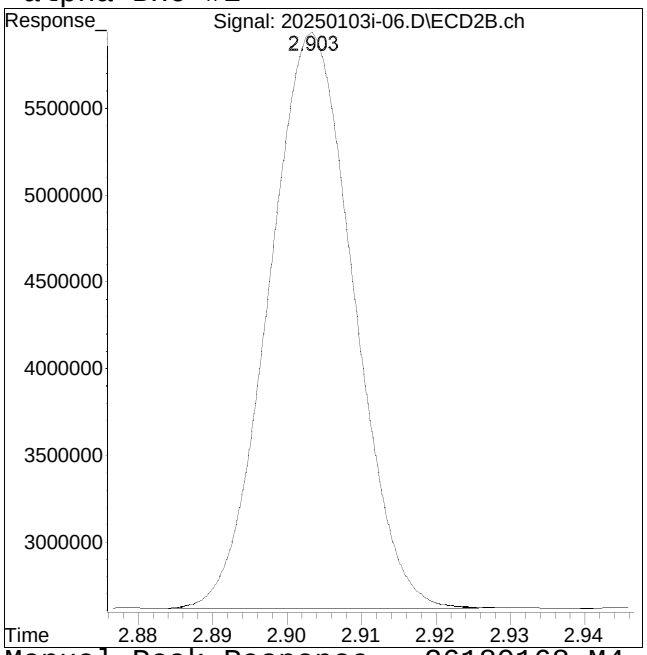
Original Peak Response = 15047097 Manual Peak Response = 14936403 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-06.D
Date Inj'd : 1/3/2025 12:41
Sample : il4pest,42e,,pp 11941 L0.0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:13 am

Compound #42: alpha-BHC #2



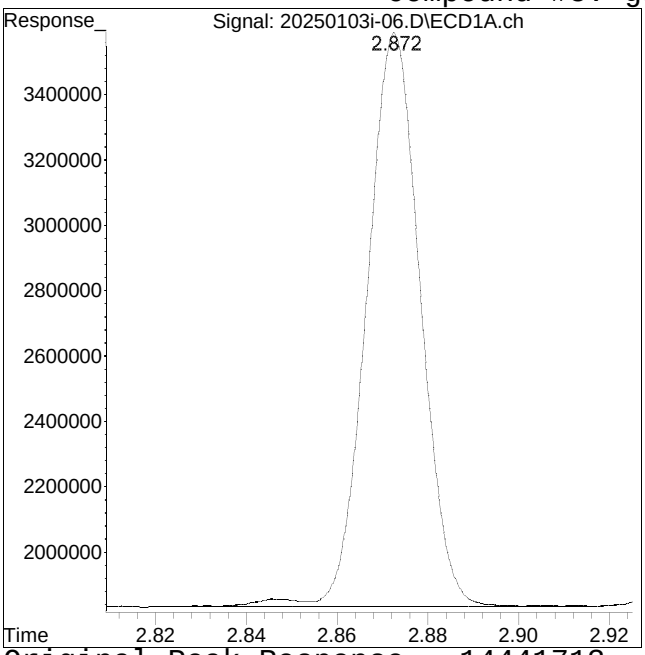


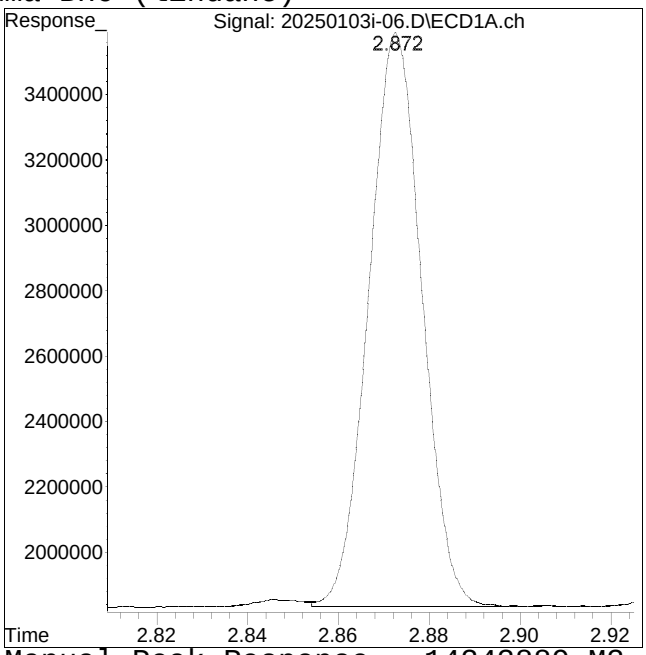
Original Peak Response = 26280302 Manual Peak Response = 26180168 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-06.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:41 Instrument : PEST 20
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:13 am

Compound #5: gamma-BHC (lindane)



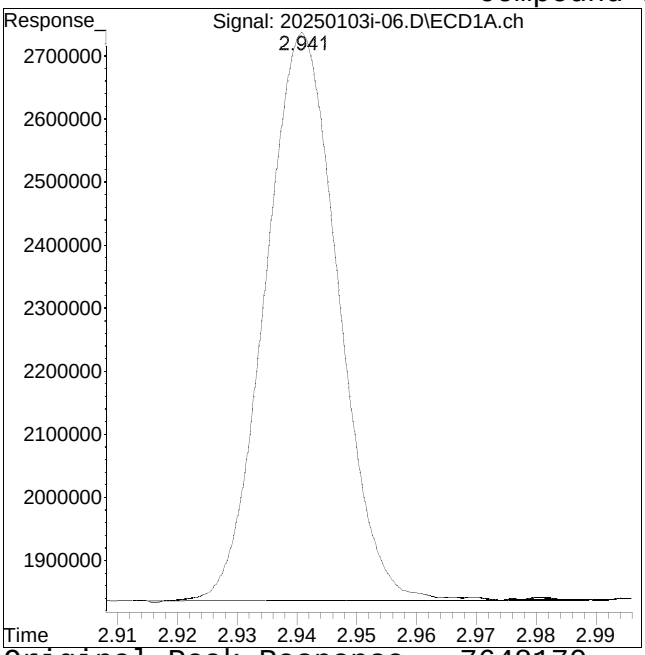


Original Peak Response = 14441713 Manual Peak Response = 14243889 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

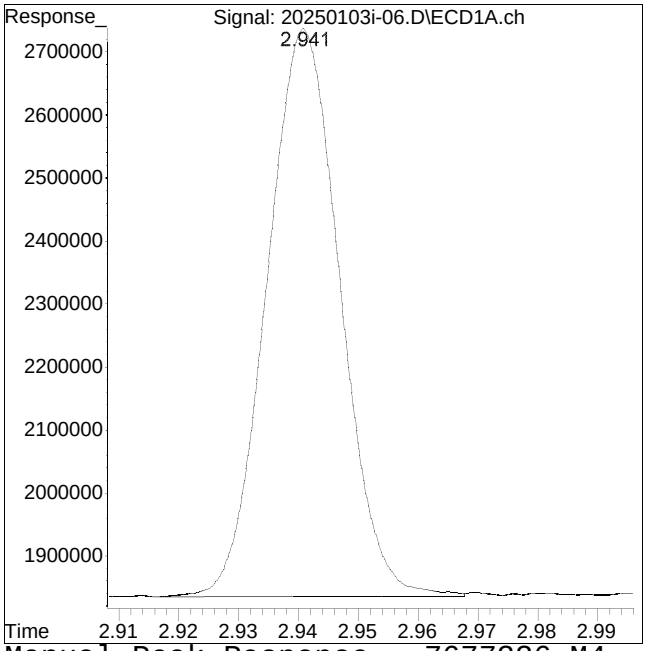
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-06.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:41 Instrument : PEST 20
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:13 am

Compound #6: beta-BHC



Original Peak Response = 7648170



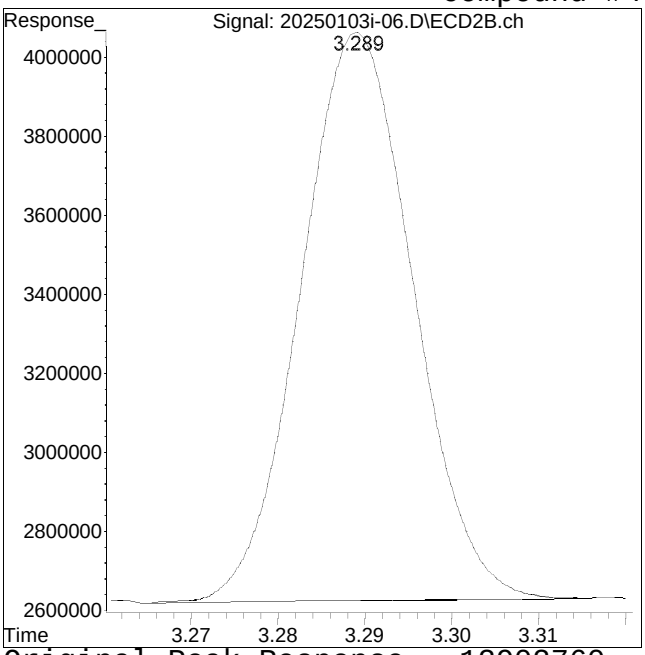
Manual Peak Response = 7677336 M4

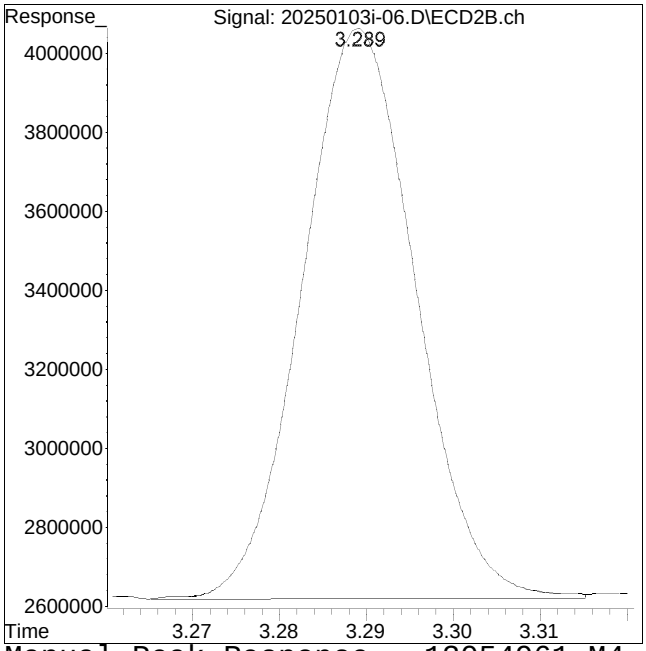
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-06.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:41 Instrument : PEST 20
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:13 am

Compound #44: beta-BHC #2



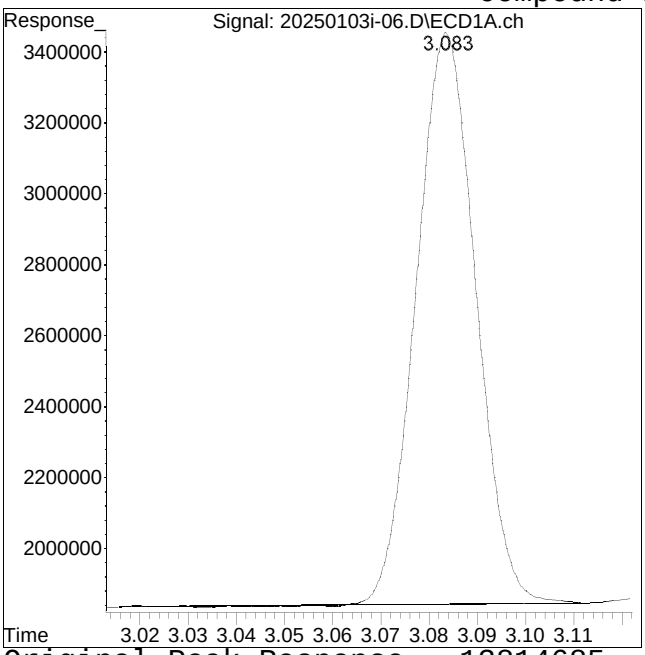


Original Peak Response = 12902760 Manual Peak Response = 13054961 M4
M4 = Poor automated baseline construction.

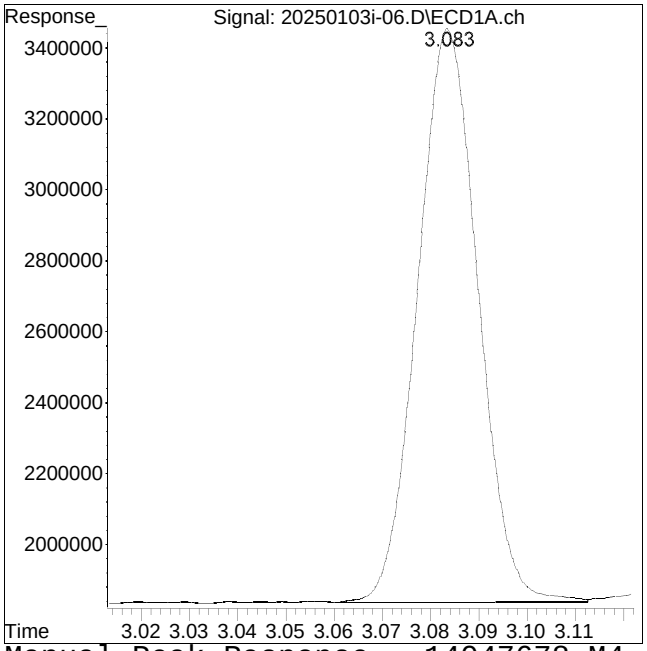
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-06.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:41 Instrument : PEST 20
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:13 am

Compound #7: delta-BHC



Original Peak Response = 13814685



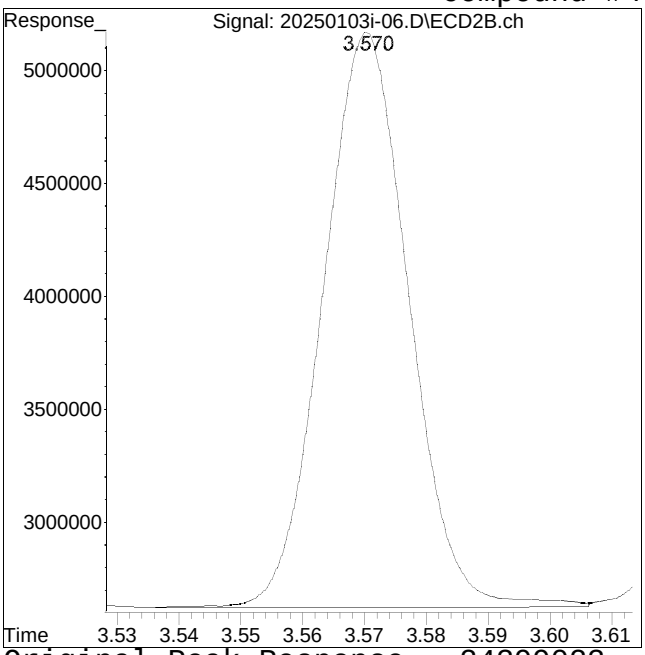
Manual Peak Response = 14047678 M4

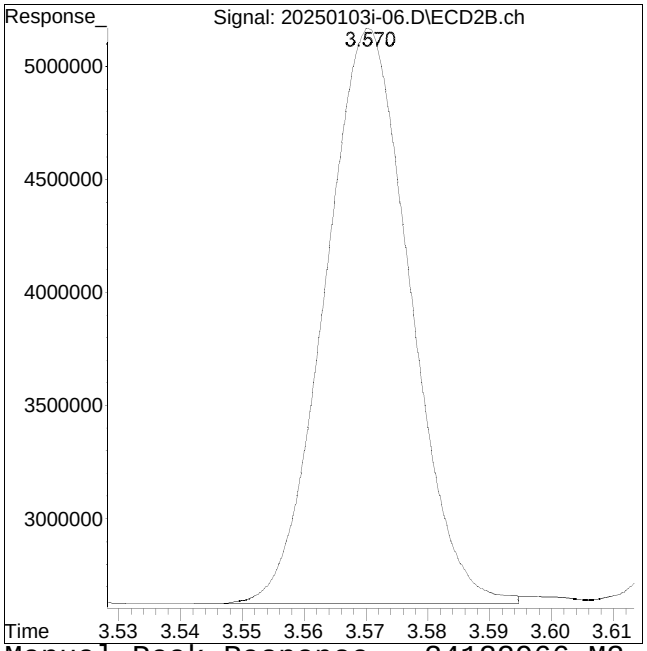
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-06.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:41 Instrument : PEST 20
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:13 am

Compound #45: delta-BHC #2



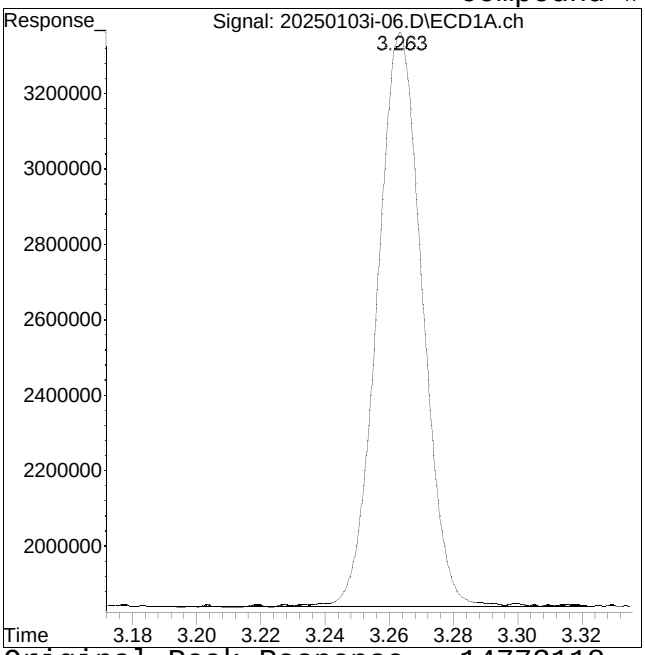


Original Peak Response = 24399023 Manual Peak Response = 24122966 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

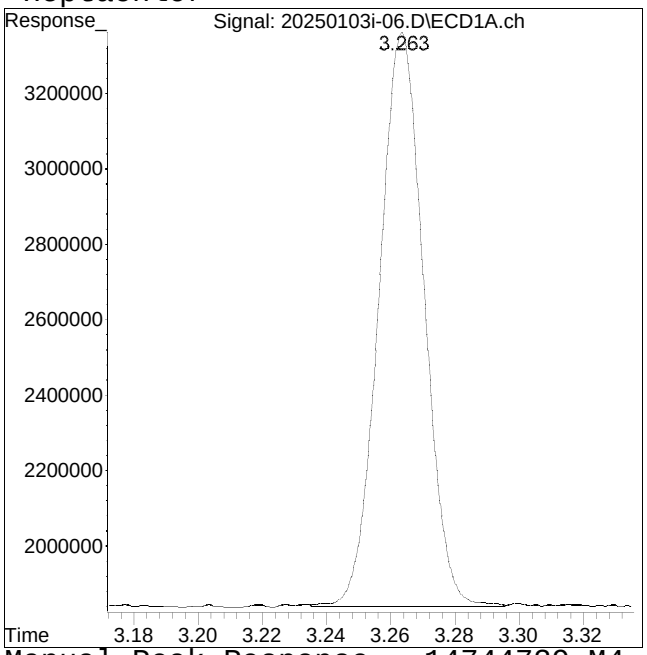
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-06.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:41 Instrument : PEST 20
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:13 am

Compound #8: Heptachlor



Original Peak Response = 14773118



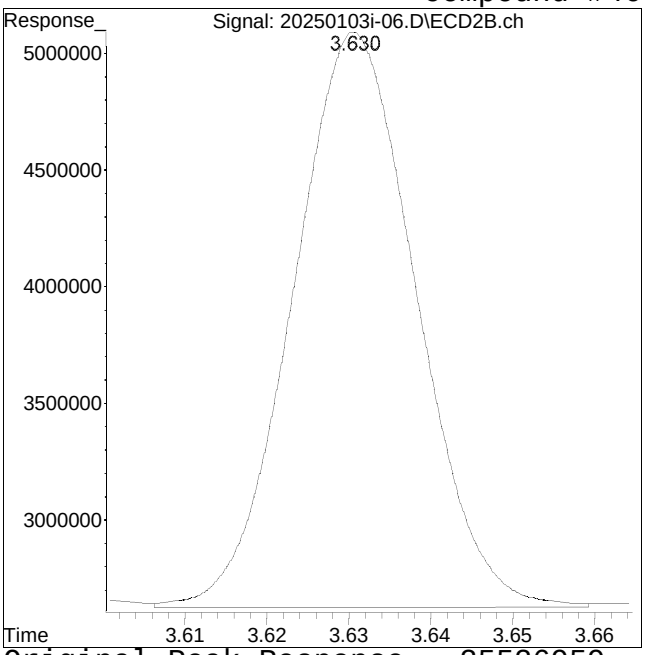
Manual Peak Response = 14744739 M4

M4 = Poor automated baseline construction.

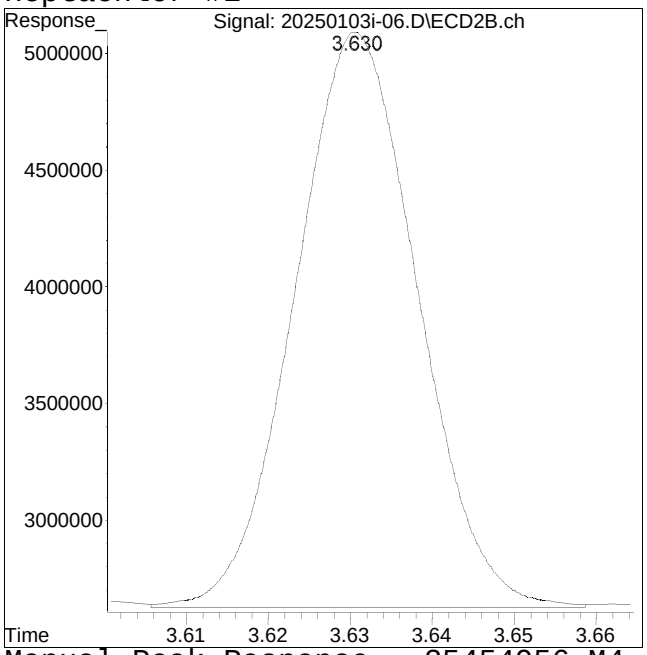
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-06.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:41 Instrument : PEST 20
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:13 am

Compound #46: Heptachlor #2



Original Peak Response = 25526959



Manual Peak Response = 25454956 M4

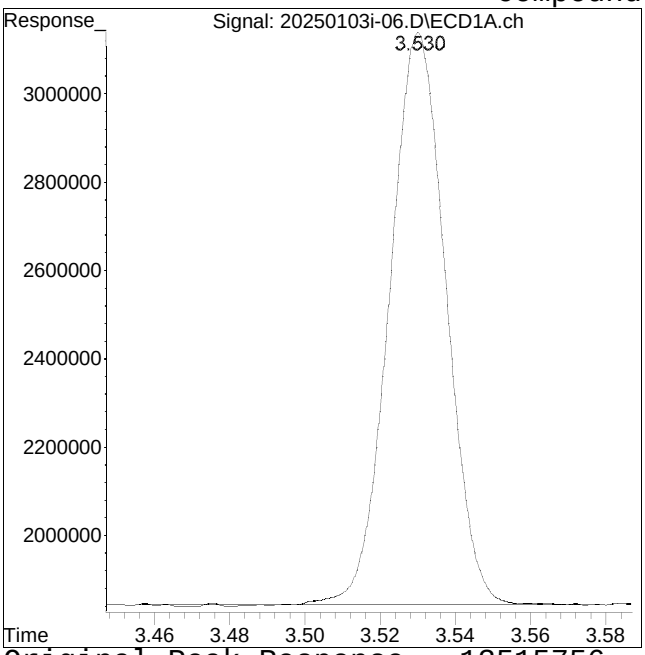
M4 = Poor automated baseline construction.

Manual Integration Report

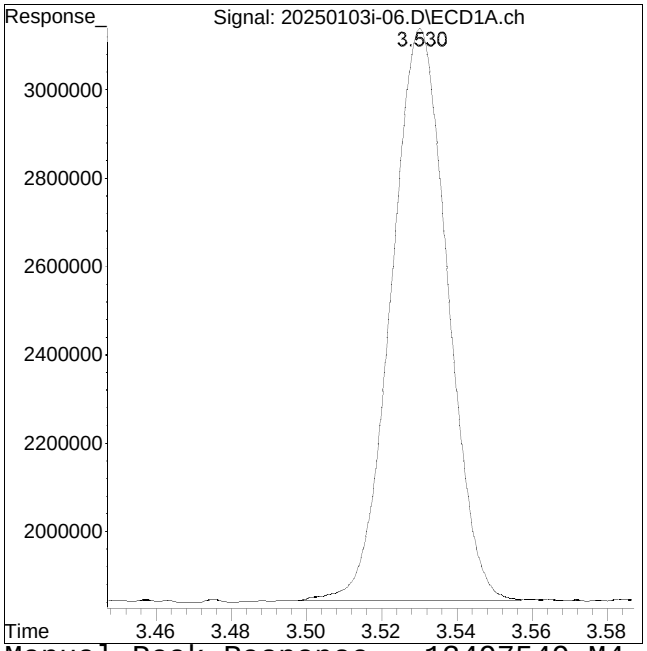
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-06.D
Date Inj'd : 1/3/2025 12:41
Sample : il4pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:13 am

Compound #9: Aldrin



Original Peak Response = 13515756



Manual Peak Response = 13497549 M4

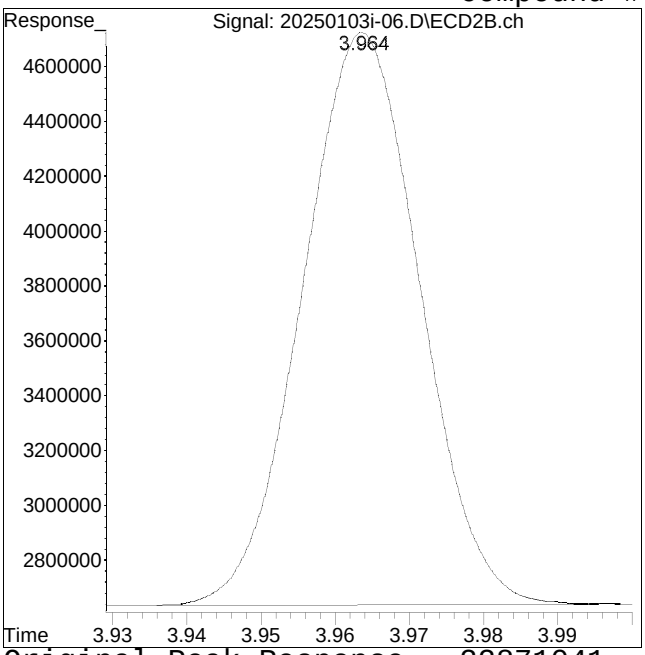
M4 = Poor automated baseline construction.

Manual Integration Report

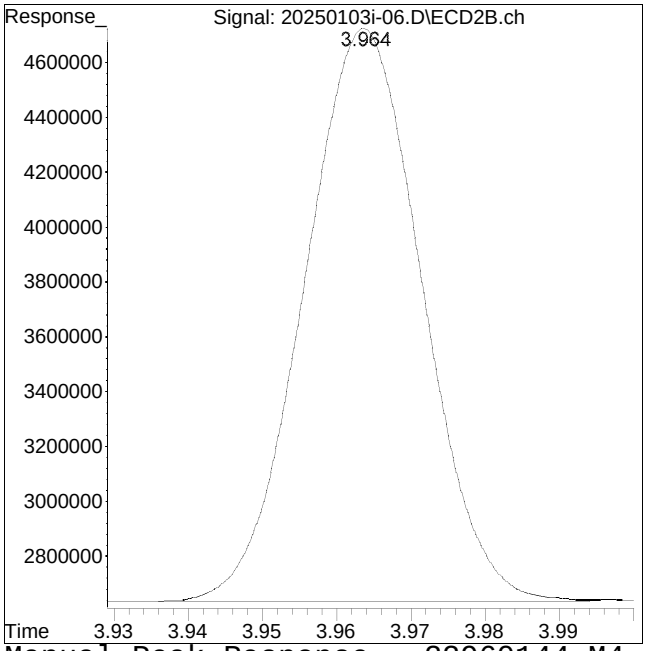
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-06.D
Date Inj'd : 1/3/2025 12:41
Sample : il4pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:13 am

Compound #47: Aldrin #2



Original Peak Response = 22871041



Manual Peak Response = 22960144 M4

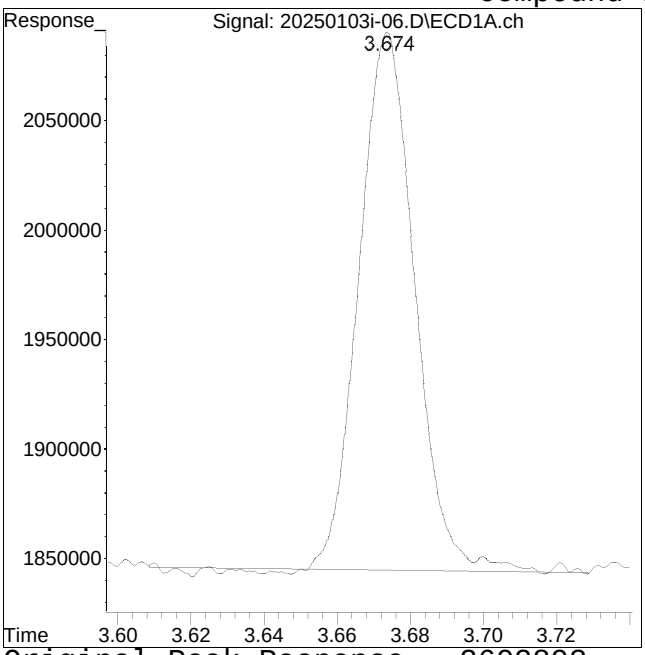
M4 = Poor automated baseline construction.

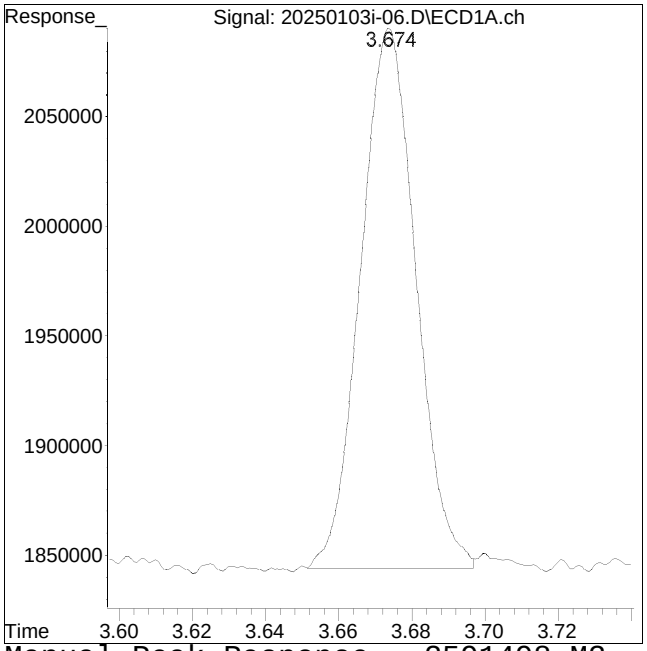
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-06.D
Date Inj'd : 1/3/2025 12:41
Sample : il4pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:13 am

Compound #10: Alachlor





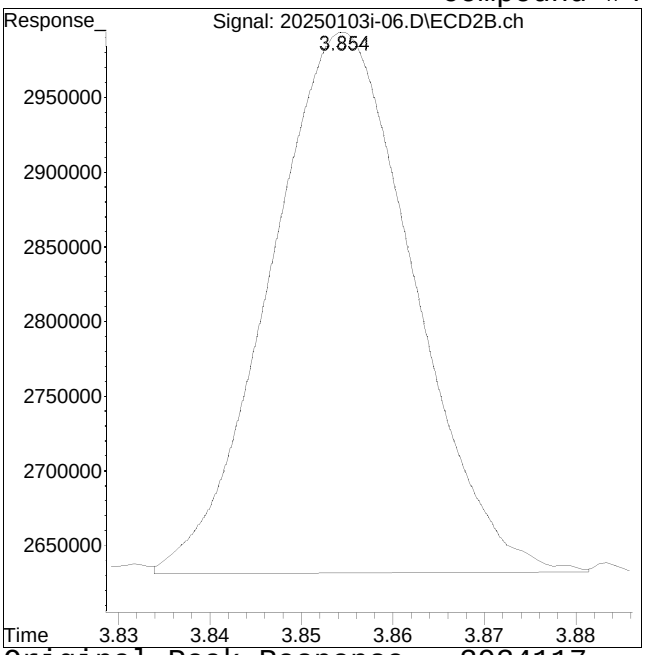
Original Peak Response = 2602893 Manual Peak Response = 2591498 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

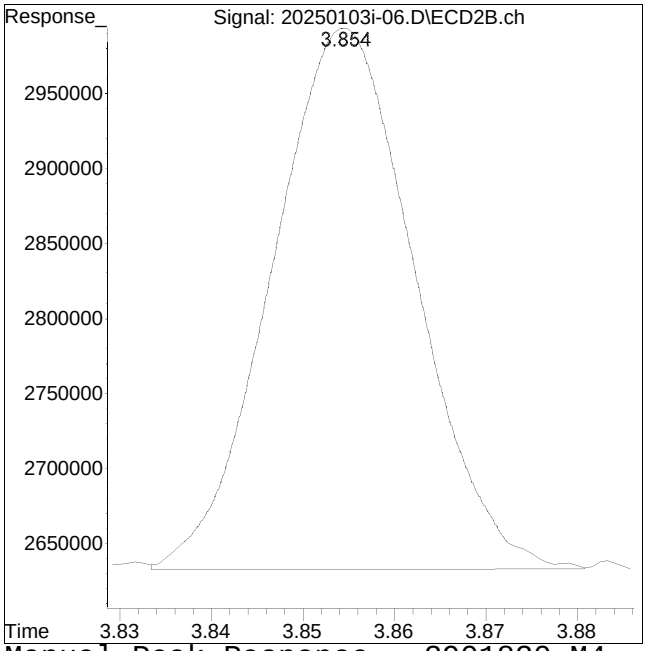
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-06.D
Date Inj'd : 1/3/2025 12:41
Sample : il4pest,42e,,pp 11941 L0.0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:13 am

Compound #48: Alachlor #2



Original Peak Response = 3934117



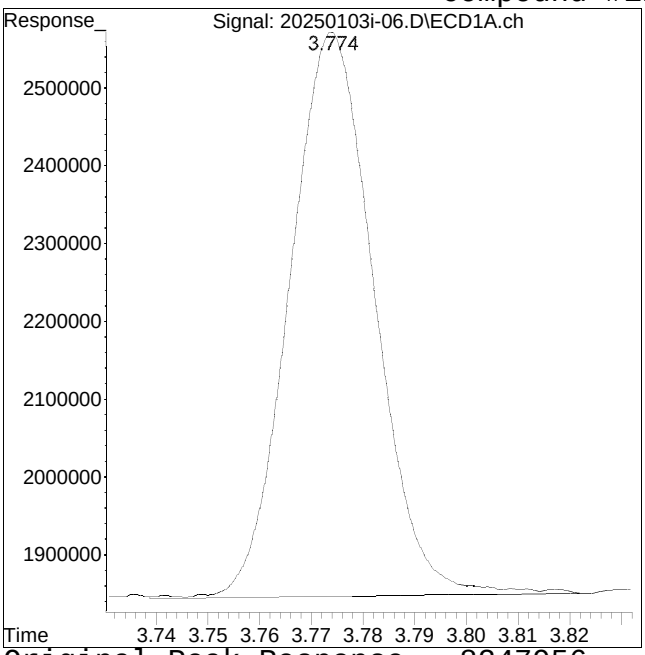
Manual Peak Response = 3901830 M4

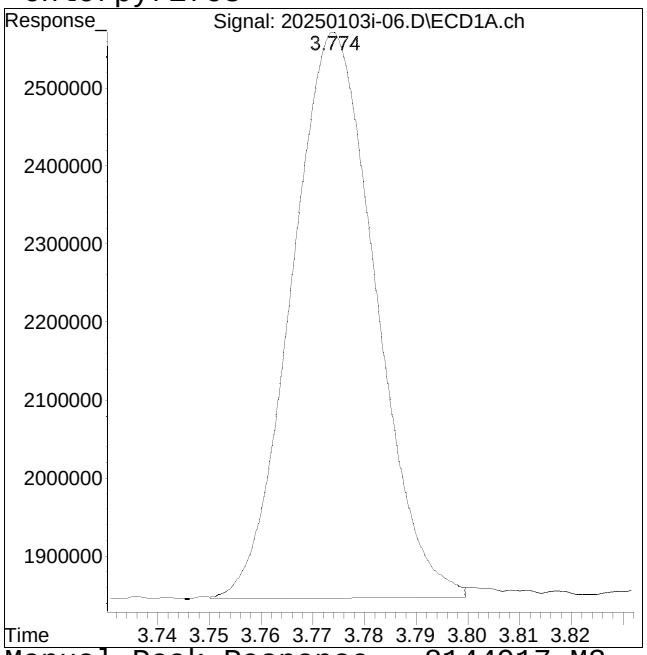
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-06.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:41 Instrument : PEST 20
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:13 am

Compound #11: Chlorpyrifos



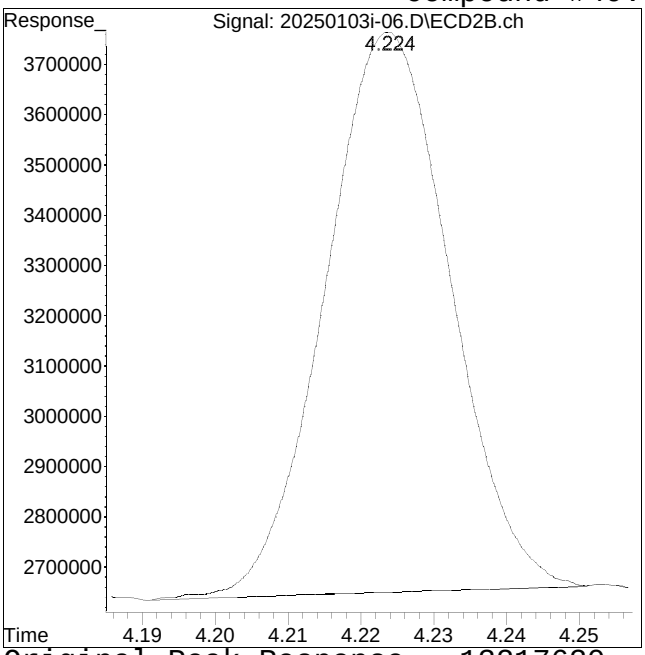


Original Peak Response = 8247956 Manual Peak Response = 8144917 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

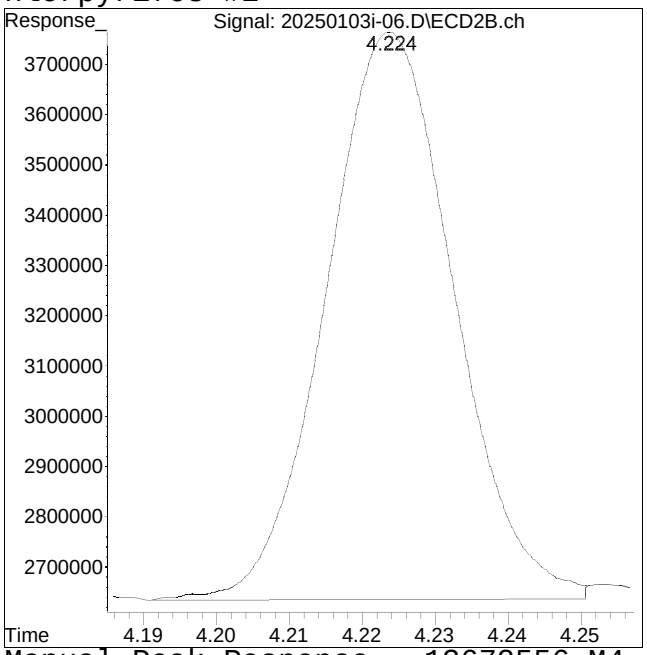
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-06.D
Date Inj'd : 1/3/2025 12:41
Sample : il4pest,42e,,pp 11941 L0.0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:13 am

Compound #49: Chlorpyrifos #2



Original Peak Response = 13217630



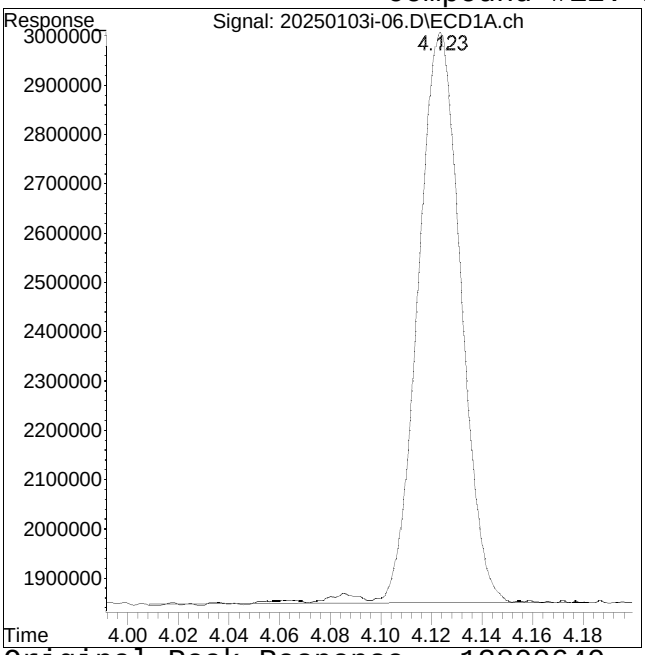
Manual Peak Response = 13672556 M4

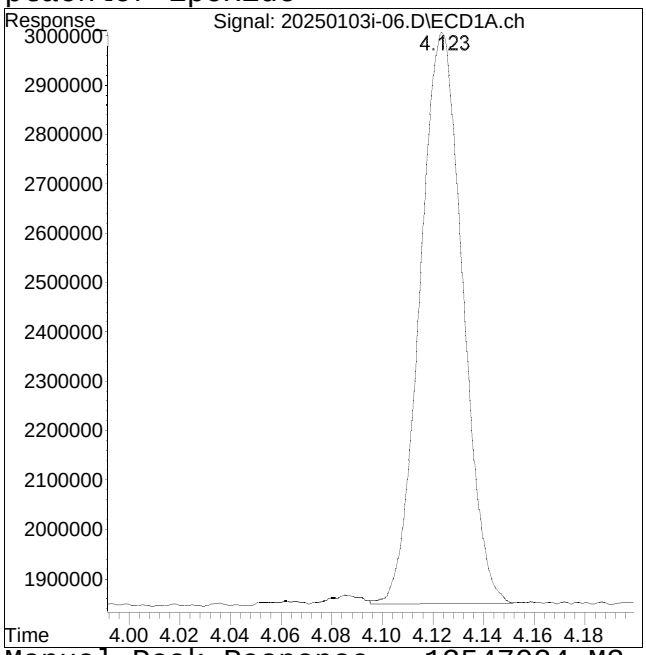
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-06.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:41 Instrument : PEST 20
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:13 am

Compound #12: Heptachlor Epoxide





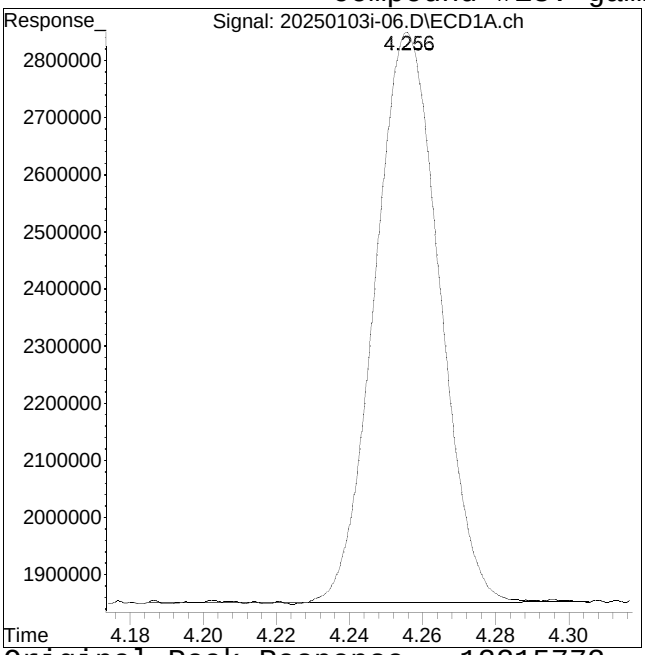
Original Peak Response = 13800640 Manual Peak Response = 13547024 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

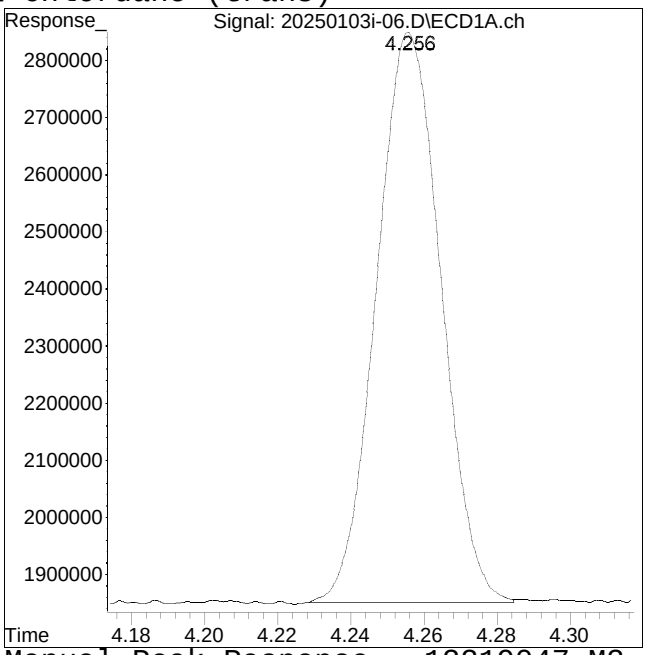
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-06.D
Date Inj'd : 1/3/2025 12:41
Sample : il4pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:13 am

Compound #13: gamma-Chlordane (trans)



Original Peak Response = 12215772



Manual Peak Response = 12219047 M3

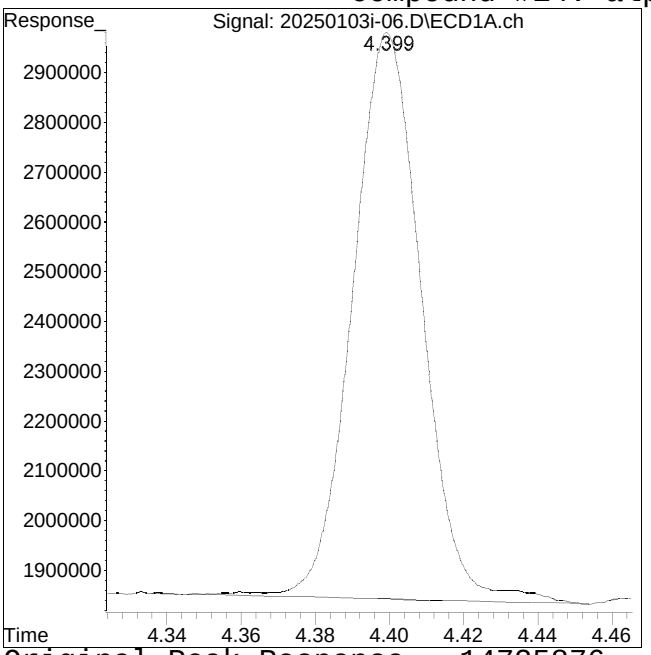
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

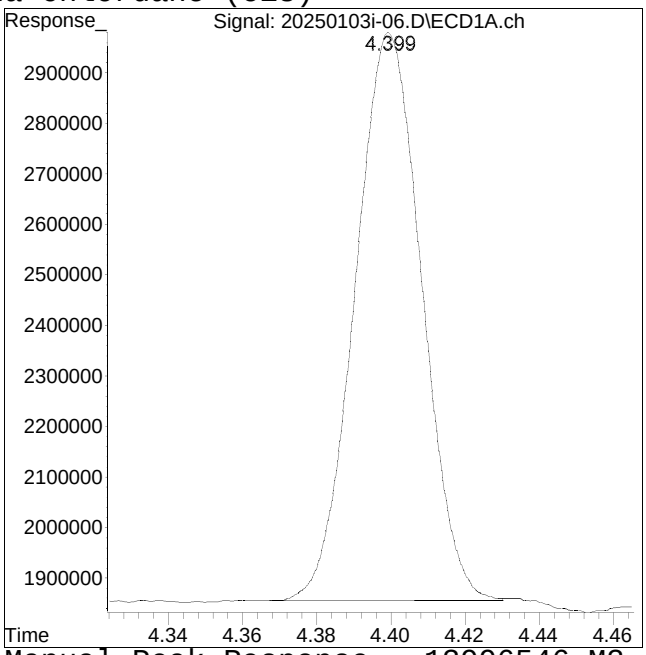
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-06.D
Date Inj'd : 1/3/2025 12:41
Sample : il4pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:13 am

Compound #14: alpha-Chlordane (cis)





Original Peak Response = 14725876 Manual Peak Response = 13996546 M3

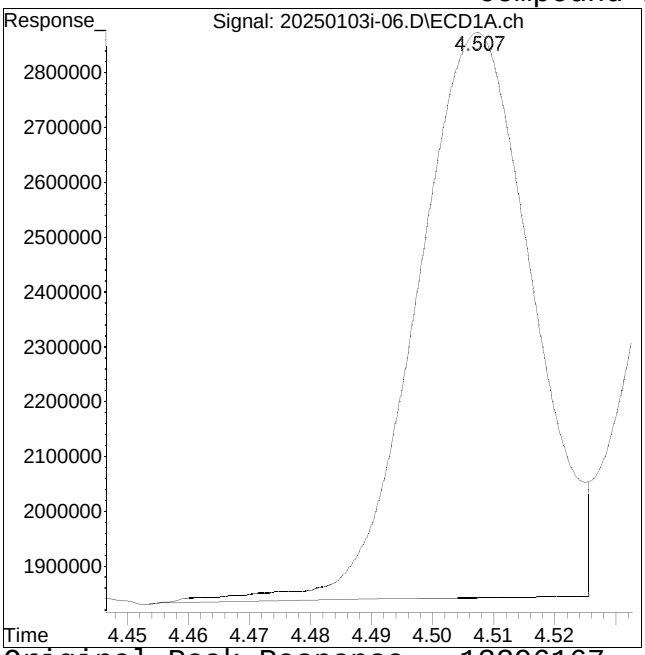
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

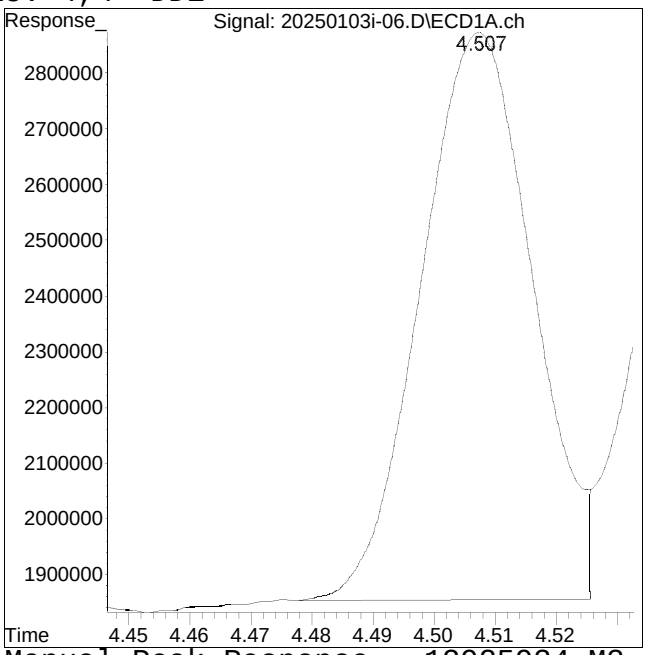
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-06.D
Date Inj'd : 1/3/2025 12:41
Sample : il4pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:13 am

Compound #15: 4,4'-DDE





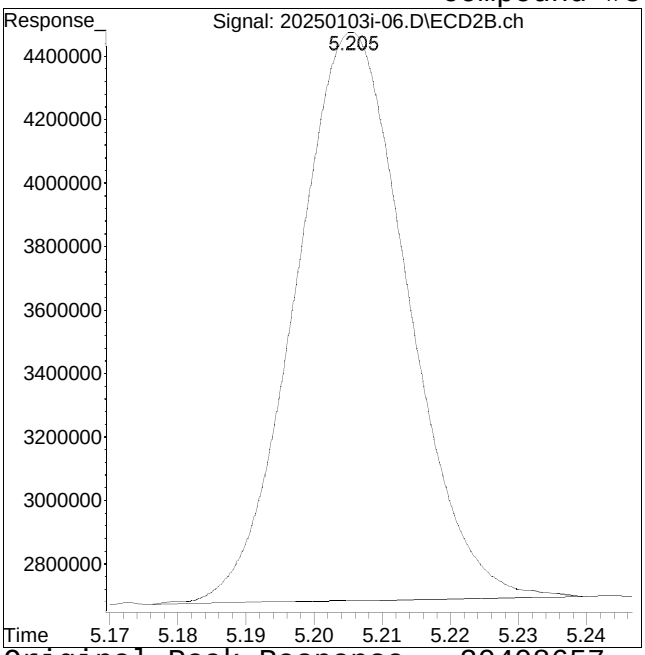
Original Peak Response = 13396167 Manual Peak Response = 12925934 M3

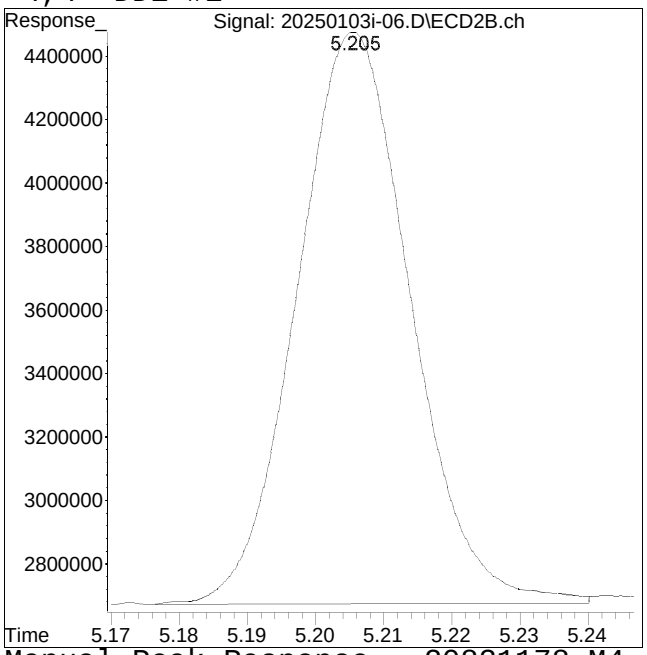
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-06.D
Date Inj'd : 1/3/2025 12:41
Sample : il4pest,42e,,pp 11941 L0.0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:13 am

Compound #53: 4,4'-DDE #2



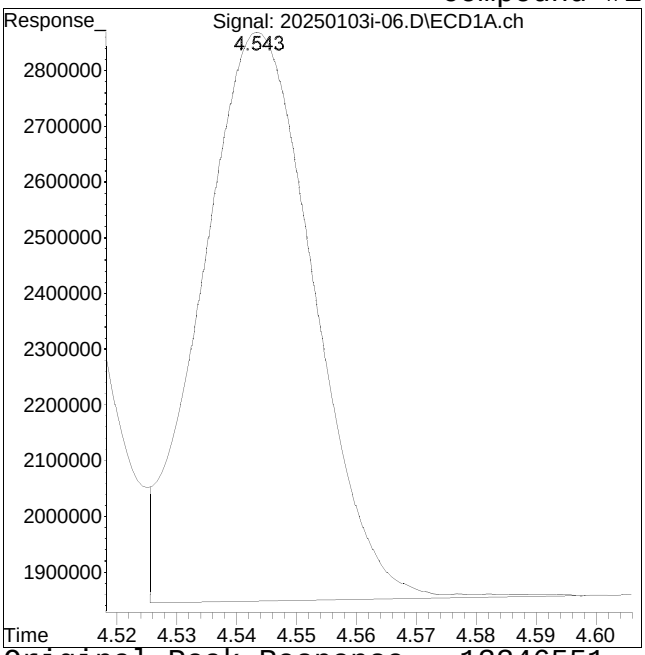


Original Peak Response = 20408657 Manual Peak Response = 20831178 M4
M4 = Poor automated baseline construction.

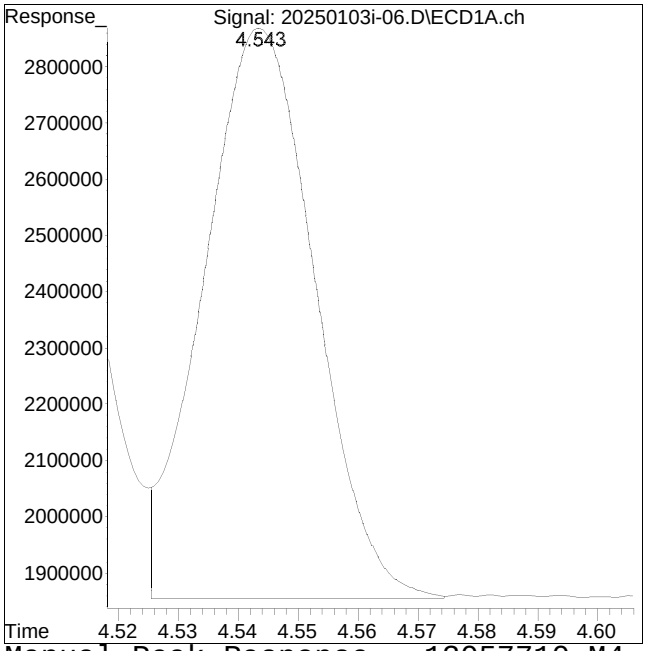
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-06.D
Date Inj'd : 1/3/2025 12:41
Sample : il4pest,42e,,pp 11941 L0.0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:13 am

Compound #16: Endosulfan I



Original Peak Response = 13346551



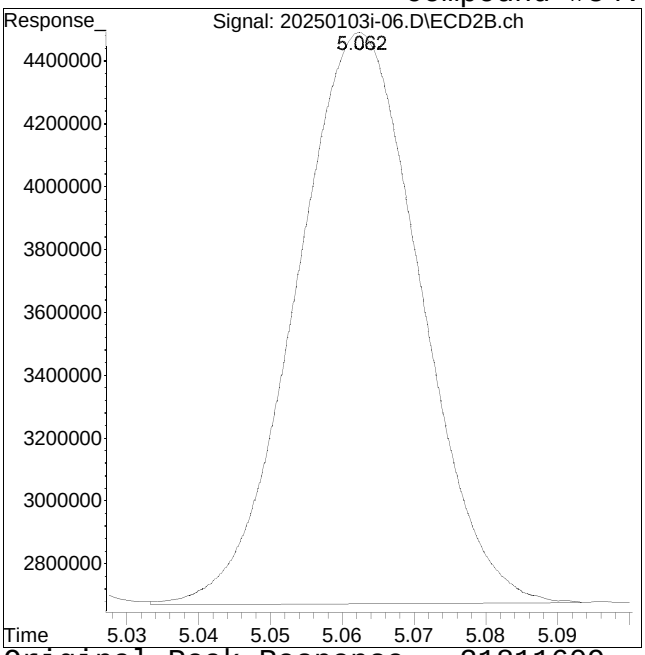
Manual Peak Response = 13057710 M4

M4 = Poor automated baseline construction.

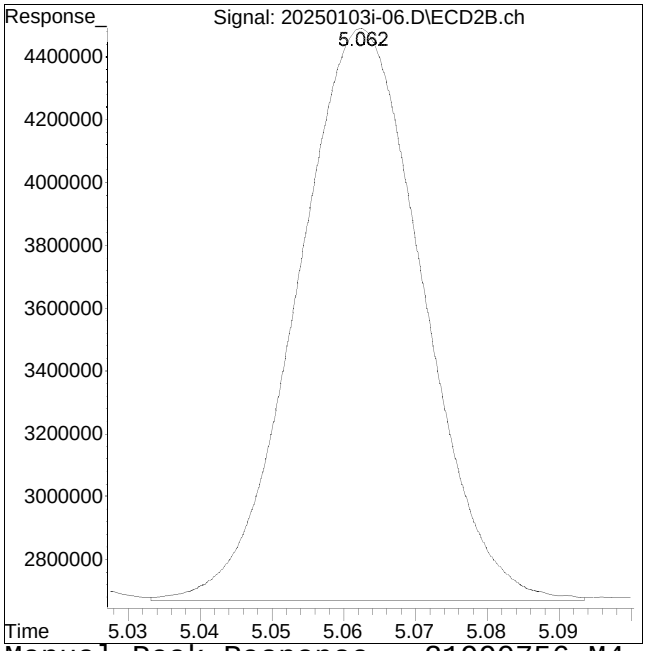
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-06.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:41 Instrument : PEST 20
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:13 am

Compound #54: Endosulfan I #2



Original Peak Response = 21811609



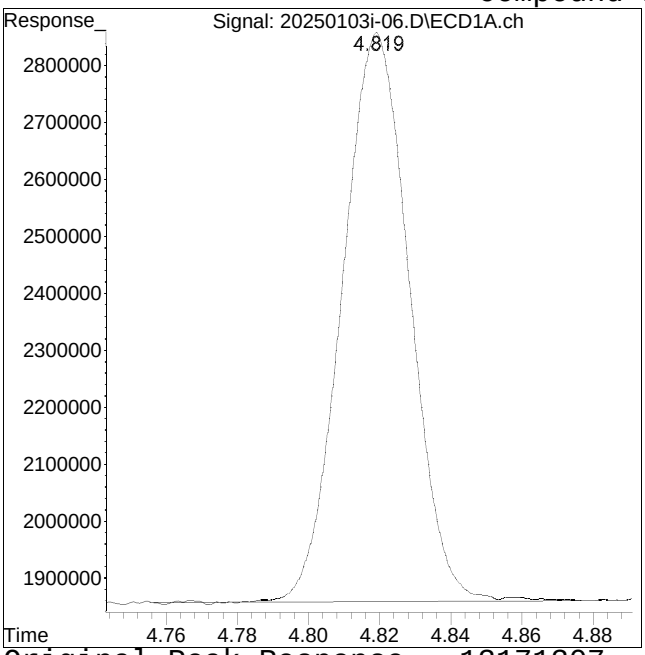
Manual Peak Response = 21990756 M4
M4 = Poor automated baseline construction.

Manual Integration Report

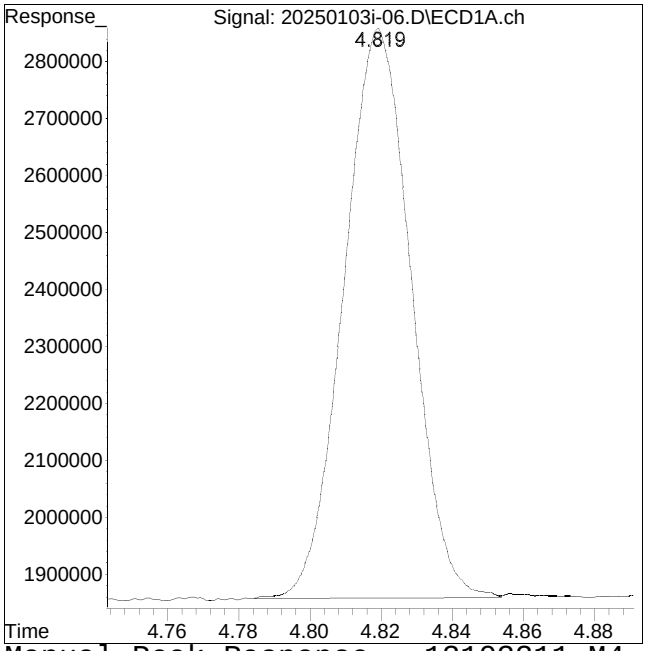
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-06.D
Date Inj'd : 1/3/2025 12:41
Sample : il4pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:13 am

Compound #17: Dieldrin



Original Peak Response = 13171307



Manual Peak Response = 13103311 M4

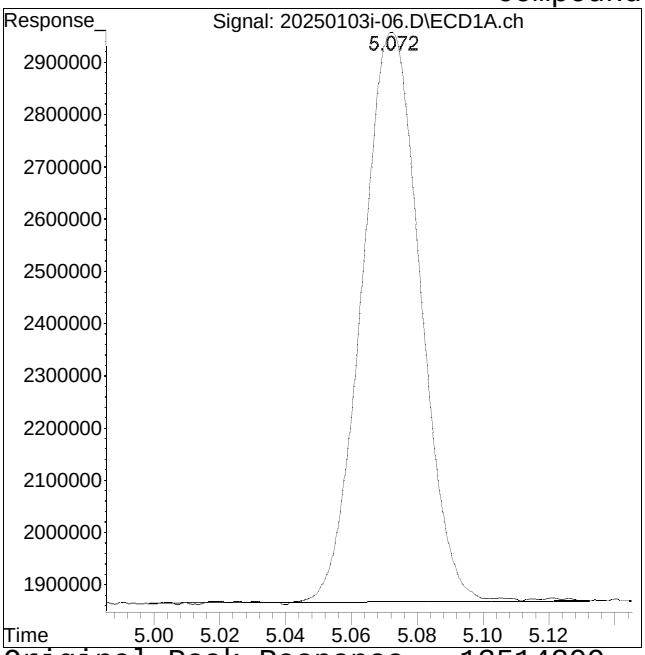
M4 = Poor automated baseline construction.

Manual Integration Report

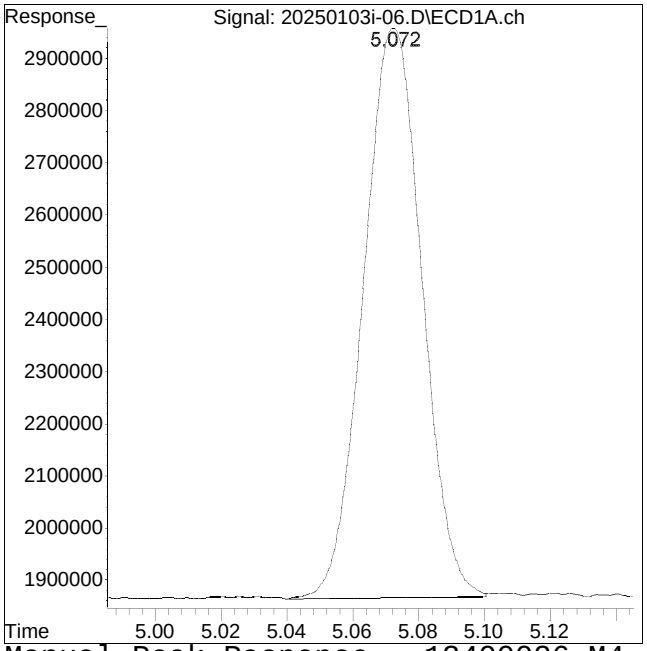
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-06.D
Date Inj'd : 1/3/2025 12:41
Sample : il4pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:13 am

Compound #18: Endrin



Original Peak Response = 13514299



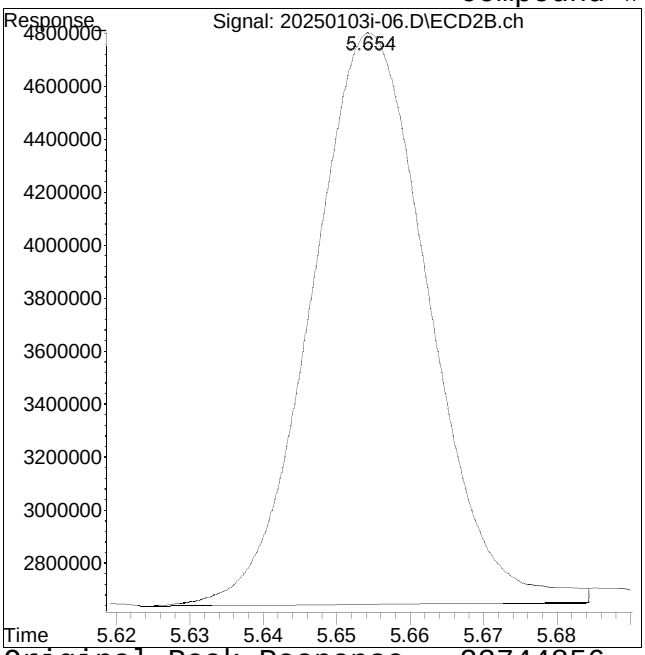
Manual Peak Response = 13490026 M4

M4 = Poor automated baseline construction.

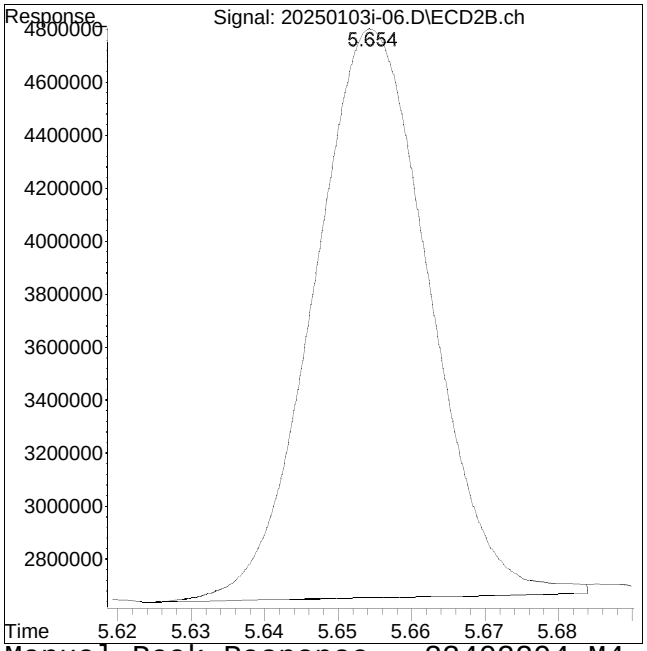
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-06.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:41 Instrument : PEST 20
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:13 am

Compound #56: Endrin #2



Original Peak Response = 23744856



Manual Peak Response = 23402294 M4

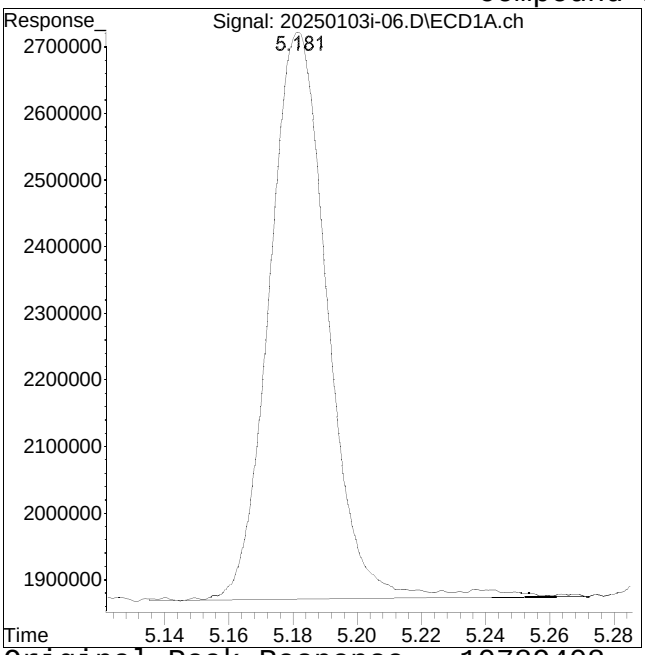
M4 = Poor automated baseline construction.

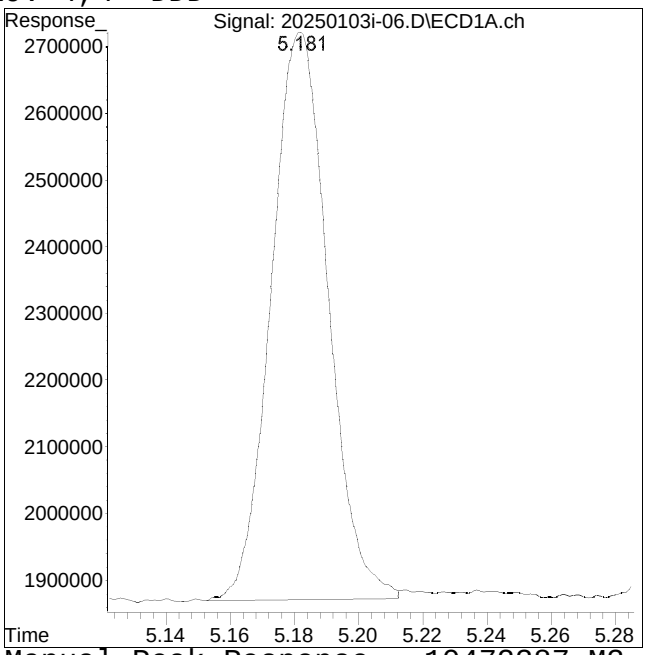
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-06.D
Date Inj'd : 1/3/2025 12:41
Sample : il4pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:13 am

Compound #19: 4,4'-DDD



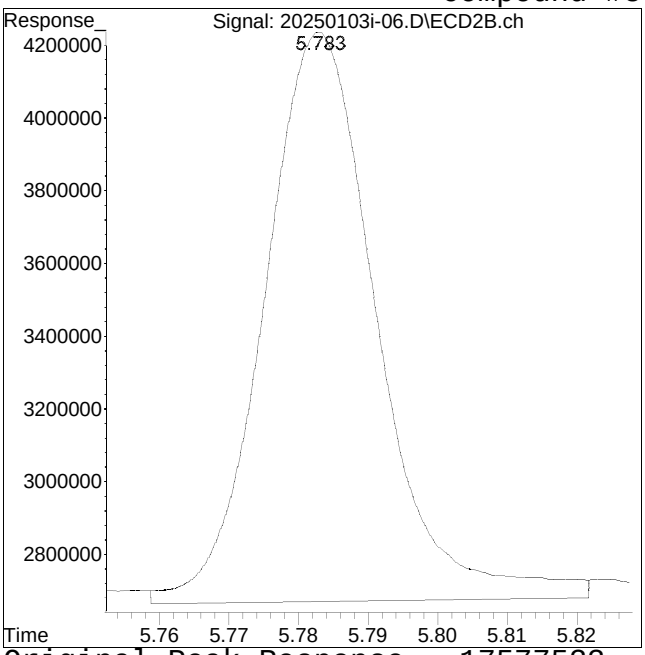


Original Peak Response = 10789408 Manual Peak Response = 10472387 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

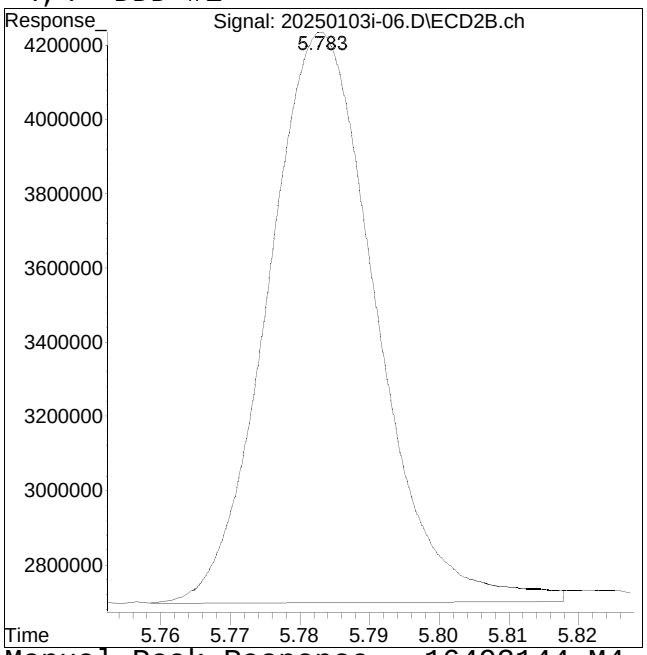
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-06.D
Date Inj'd : 1/3/2025 12:41
Sample : il4pest,42e,,pp 11941 L0.0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:13 am

Compound #57: 4,4'-DDD #2



Original Peak Response = 17577533



Manual Peak Response = 16492144 M4

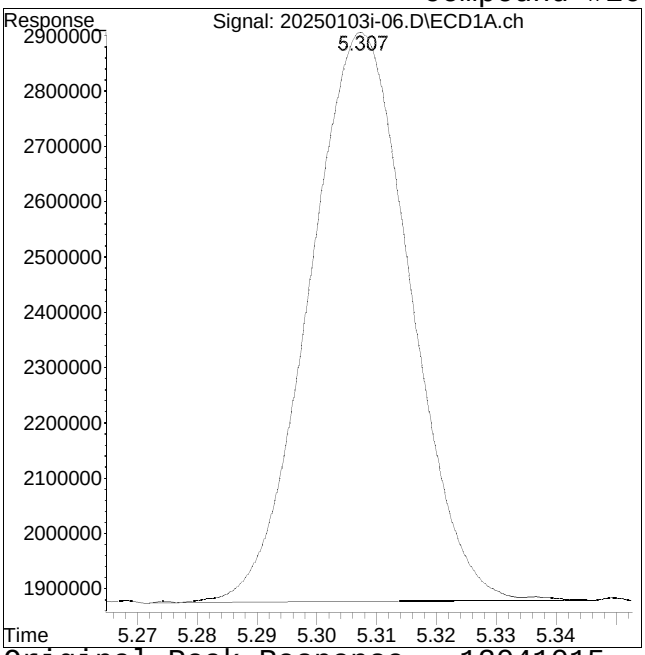
M4 = Poor automated baseline construction.

Manual Integration Report

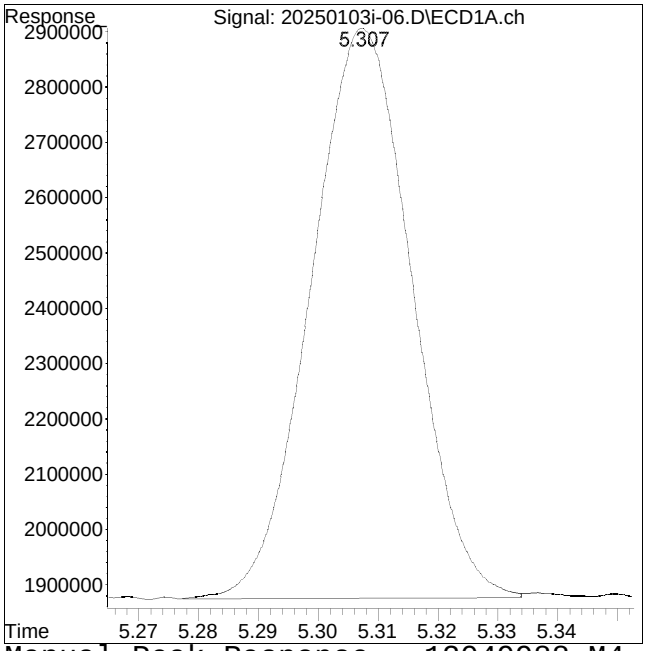
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-06.D
Date Inj'd : 1/3/2025 12:41
Sample : il4pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:13 am

Compound #20: Endosulfan II



Original Peak Response = 12041015



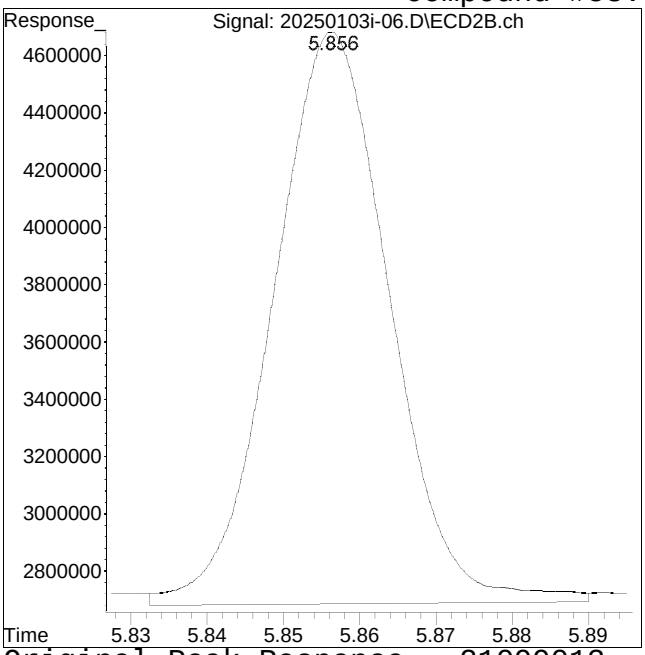
Manual Peak Response = 12049988 M4

M4 = Poor automated baseline construction.

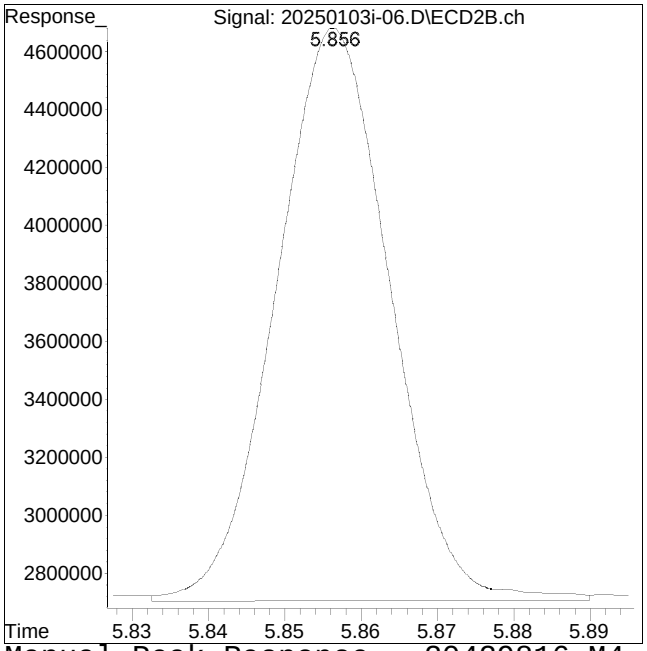
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-06.D
Date Inj'd : 1/3/2025 12:41
Sample : il4pest,42e,,pp 11941 L0.0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:13 am

Compound #58: Endosulfan II #2



Original Peak Response = 21099013



Manual Peak Response = 20429816 M4

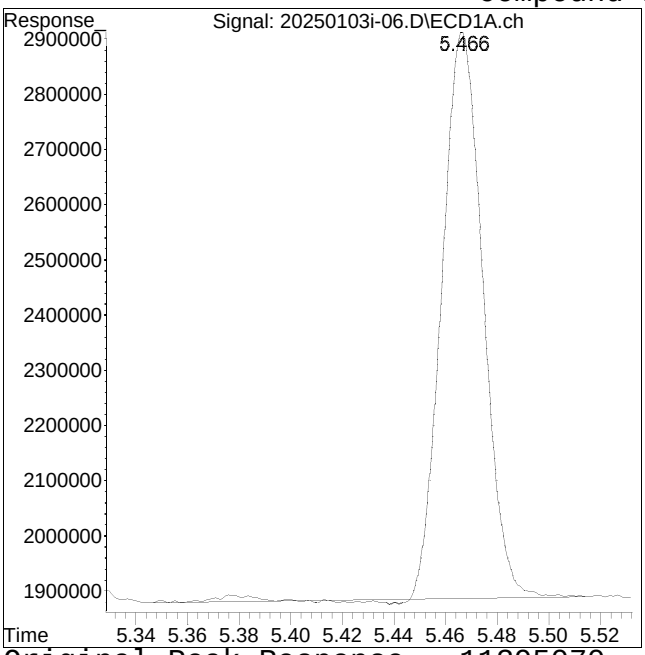
M4 = Poor automated baseline construction.

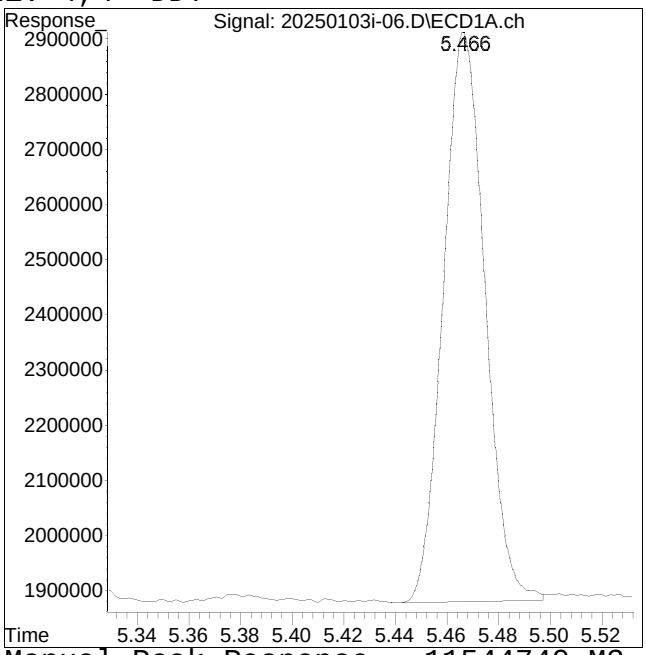
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-06.D
Date Inj'd : 1/3/2025 12:41
Sample : il4pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:13 am

Compound #21: 4,4'-DDT





Original Peak Response = 11395070 Manual Peak Response = 11544740 M3

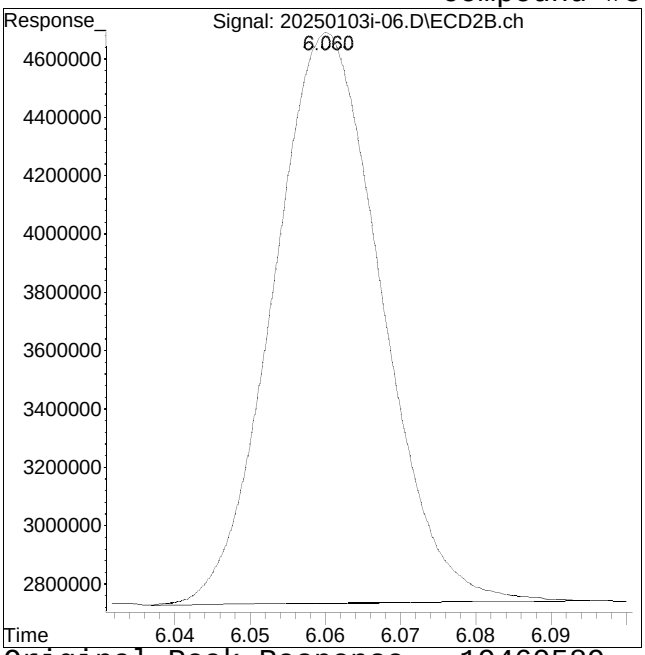
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

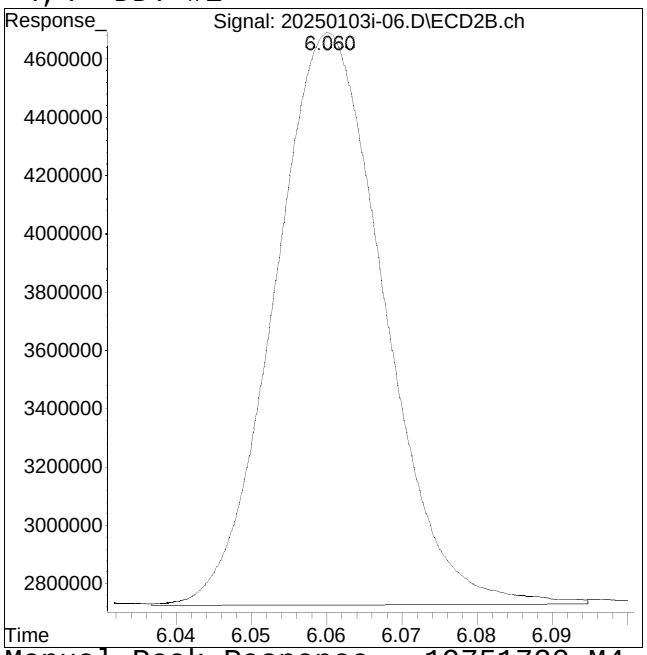
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-06.D
Date Inj'd : 1/3/2025 12:41
Sample : il4pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:13 am

Compound #59: 4,4'-DDT #2





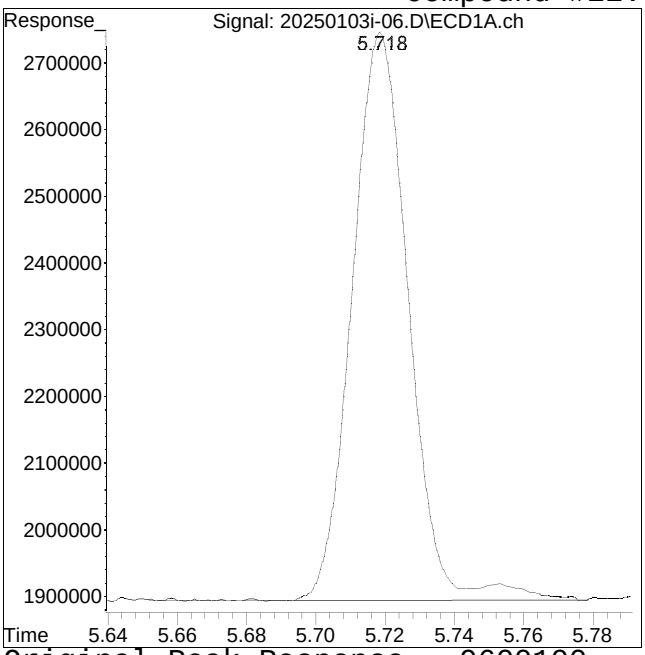
Original Peak Response = 19460589 Manual Peak Response = 19751720 M4
M4 = Poor automated baseline construction.

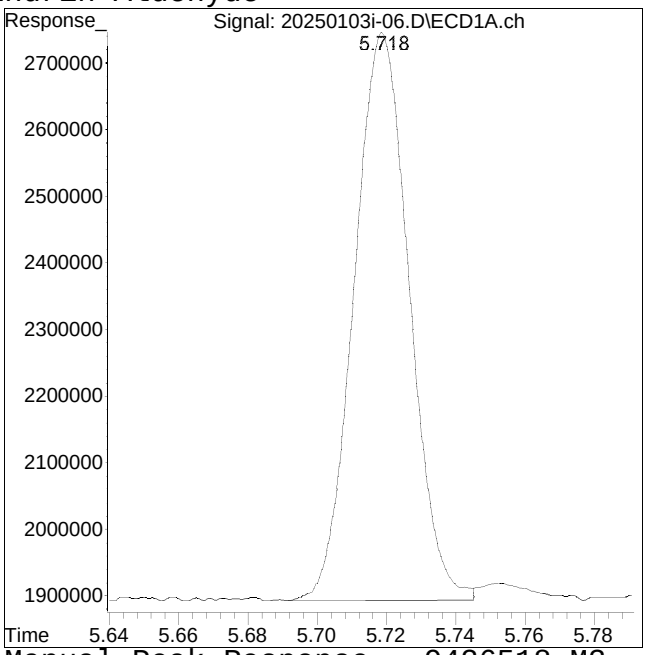
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-06.D
Date Inj'd : 1/3/2025 12:41
Sample : il4pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:13 am

Compound #22: Endrin Aldehyde





Original Peak Response = 9600100 Manual Peak Response = 9426518 M3

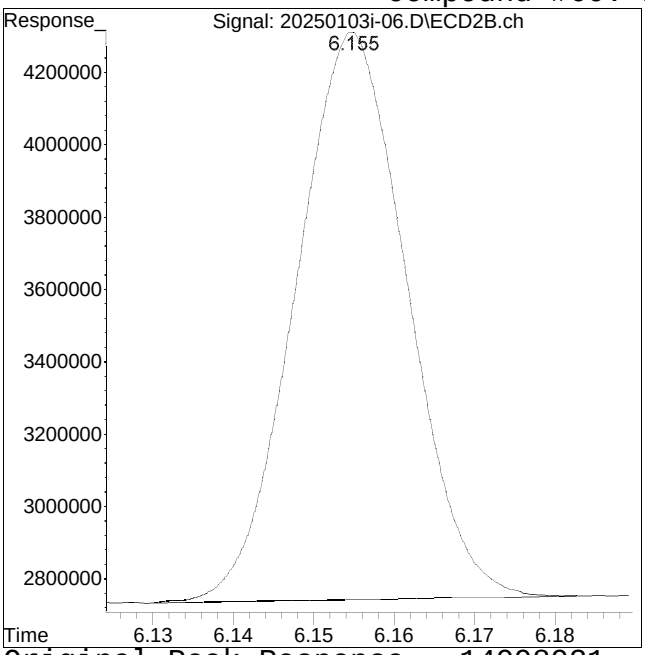
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

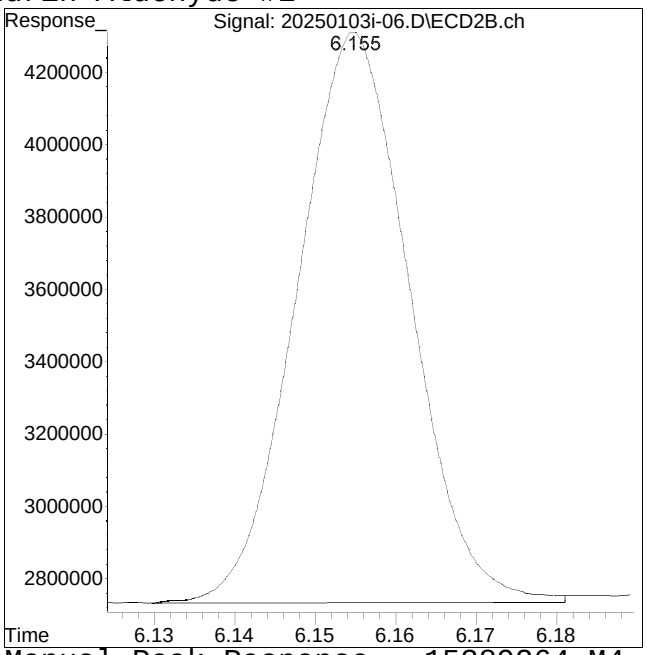
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-06.D
Date Inj'd : 1/3/2025 12:41
Sample : il4pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:13 am

Compound #60: Endrin Aldehyde #2



Original Peak Response = 14998931



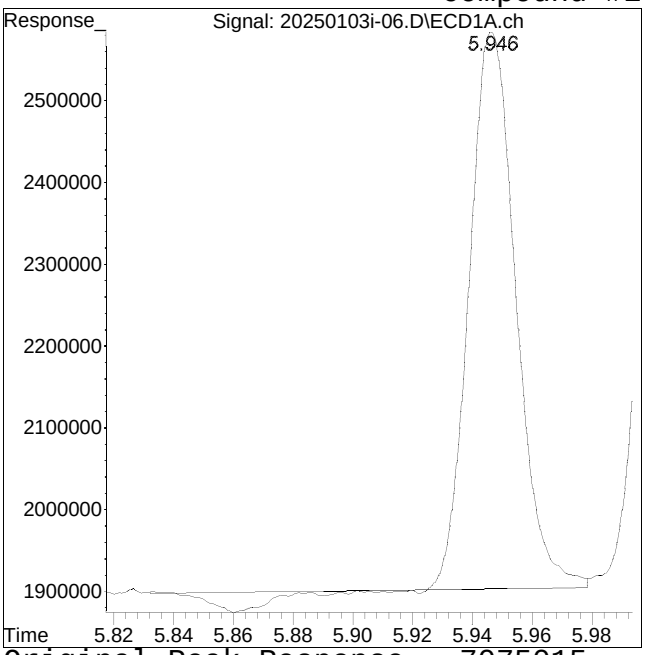
Manual Peak Response = 15289264 M4

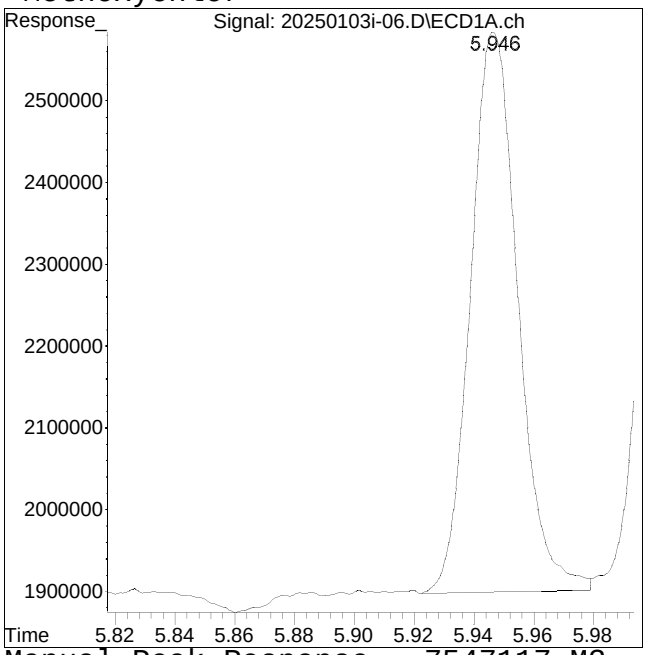
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-06.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:41 Instrument : PEST 20
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:13 am

Compound #23: Methoxychlor



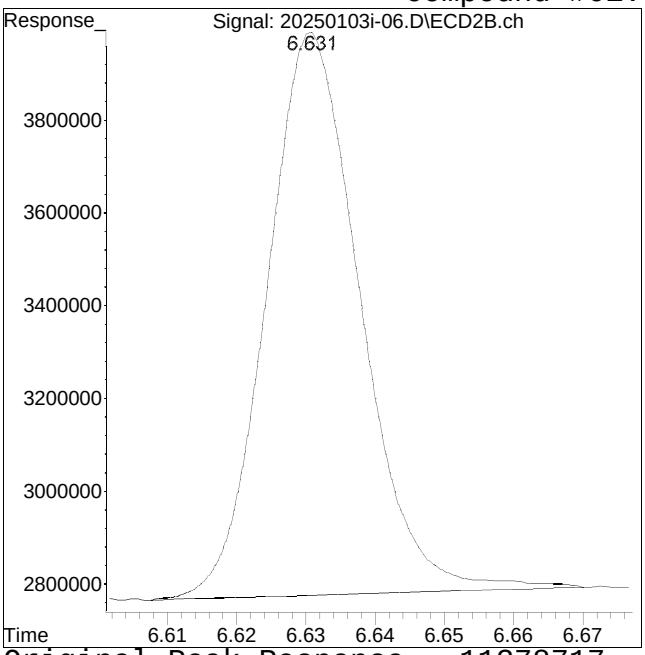


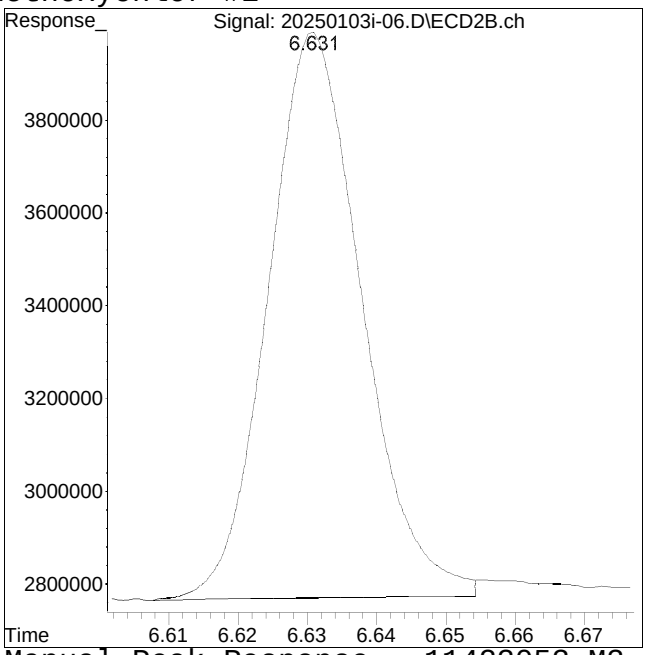
Original Peak Response = 7075015 Manual Peak Response = 7547117 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-06.D
Date Inj'd : 1/3/2025 12:41
Sample : il4pest,42e,,pp 11941 L0.0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:13 am

Compound #61: Methoxychlor #2





Original Peak Response = 11378717 Manual Peak Response = 11423053 M3

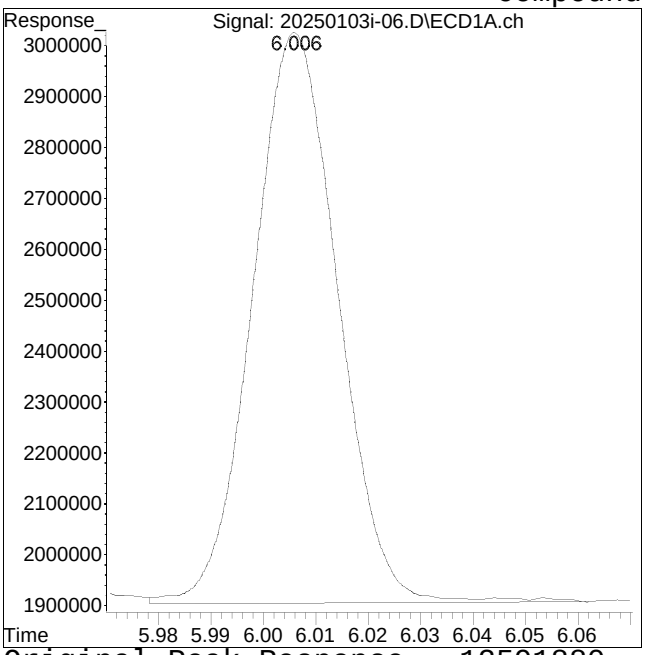
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

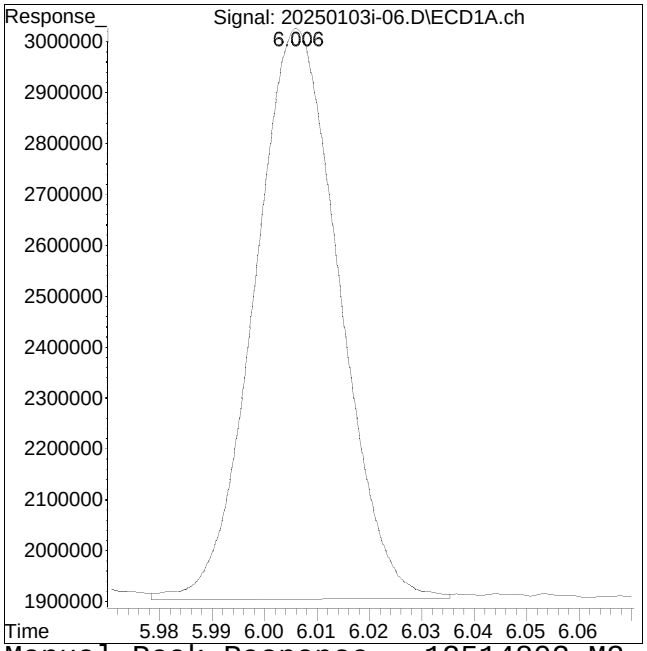
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-06.D
Date Inj'd : 1/3/2025 12:41
Sample : il4pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:13 am

Compound #24: Mirex





Original Peak Response = 12591880 Manual Peak Response = 12514802 M3

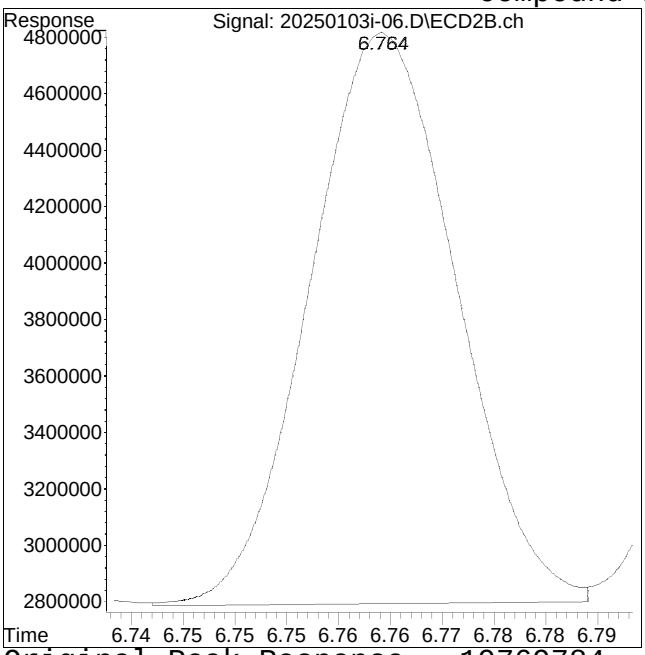
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

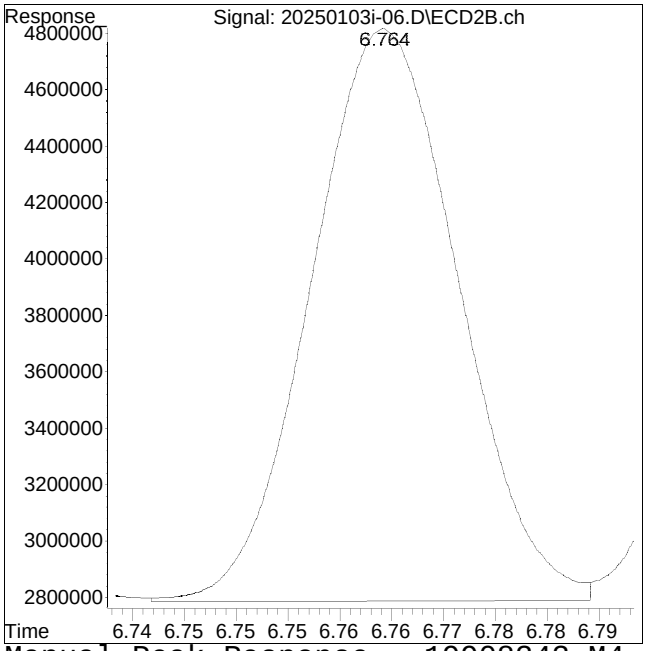
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-06.D
Date Inj'd : 1/3/2025 12:41
Sample : il4pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:13 am

Compound #62: Mirex #2



Original Peak Response = 19769784



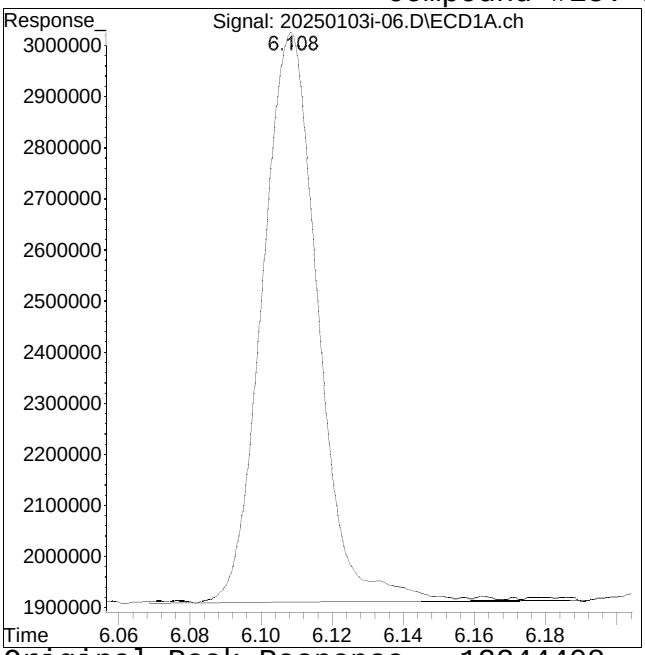
Manual Peak Response = 19908343 M4

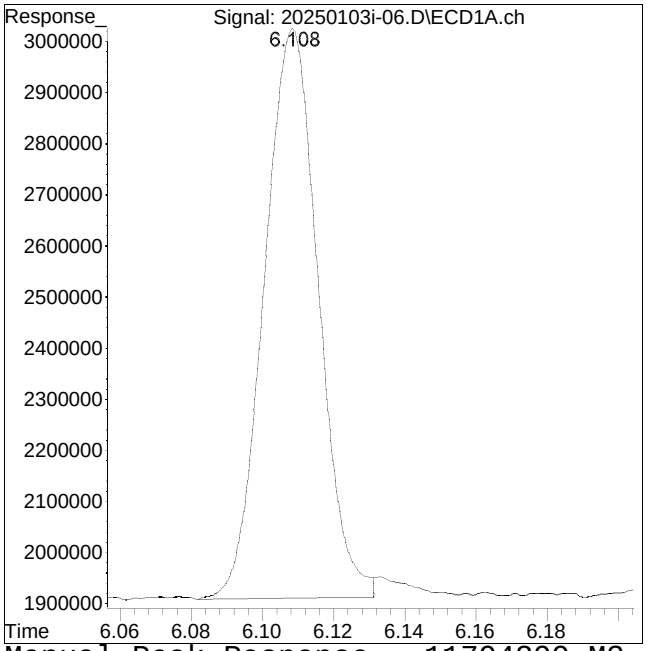
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-06.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:41 Instrument : PEST 20
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:13 am

Compound #25: Endosulfan Sulfate





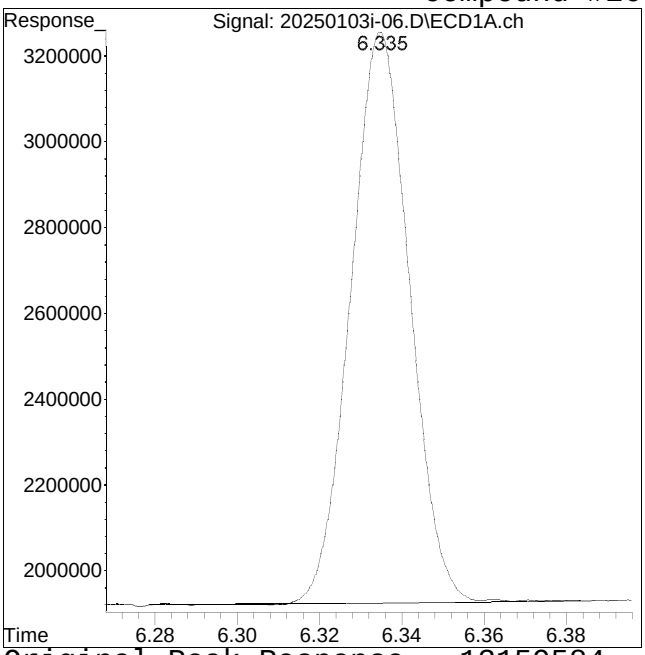
Original Peak Response = 12244408 Manual Peak Response = 11794299 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

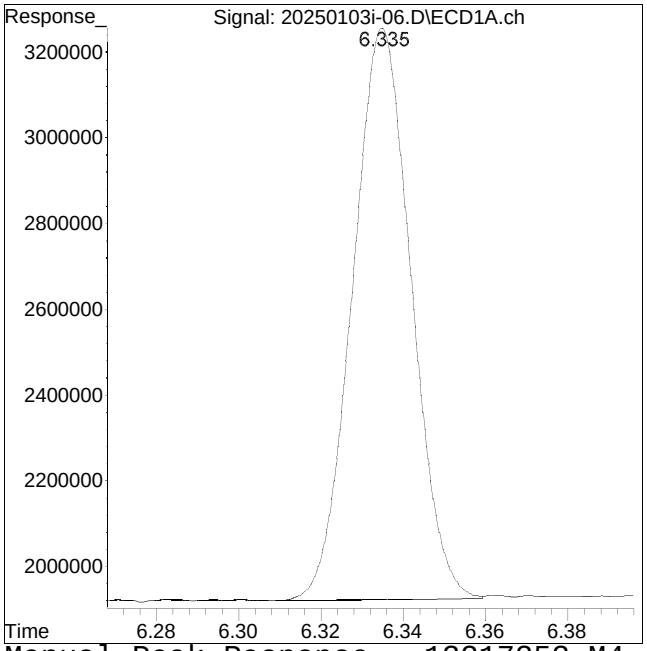
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-06.D
Date Inj'd : 1/3/2025 12:41
Sample : il4pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:13 am

Compound #26: Endrin Ketone



Original Peak Response = 13159584



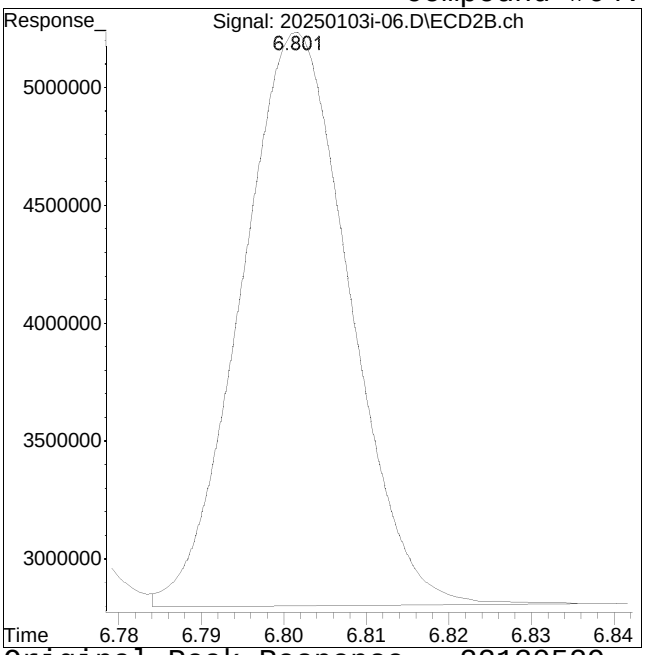
Manual Peak Response = 13217353 M4

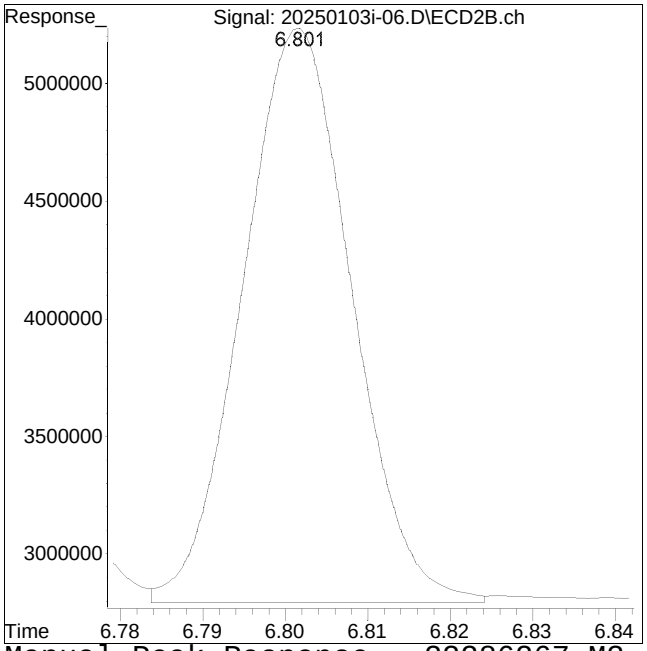
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-06.D
Date Inj'd : 1/3/2025 12:41
Sample : il4pest,42e,,pp 11941 L0.0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:13 am

Compound #64: Endrin Ketone #2



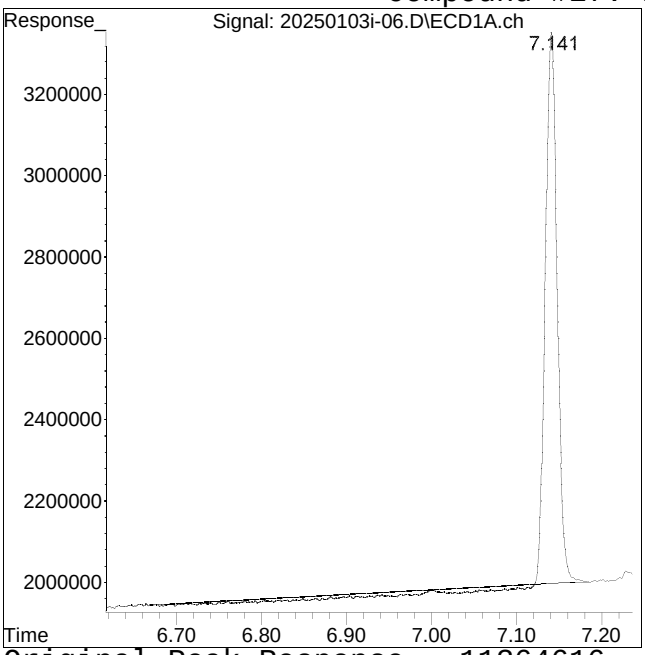


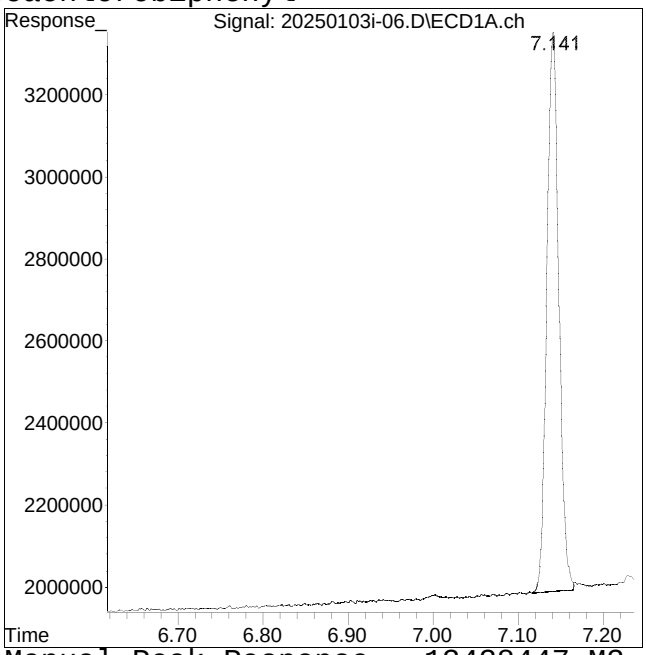
Original Peak Response = 22130529 Manual Peak Response = 22286267 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-06.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:41 Instrument : PEST 20
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:13 am

Compound #27: Decachlorobiphenyl



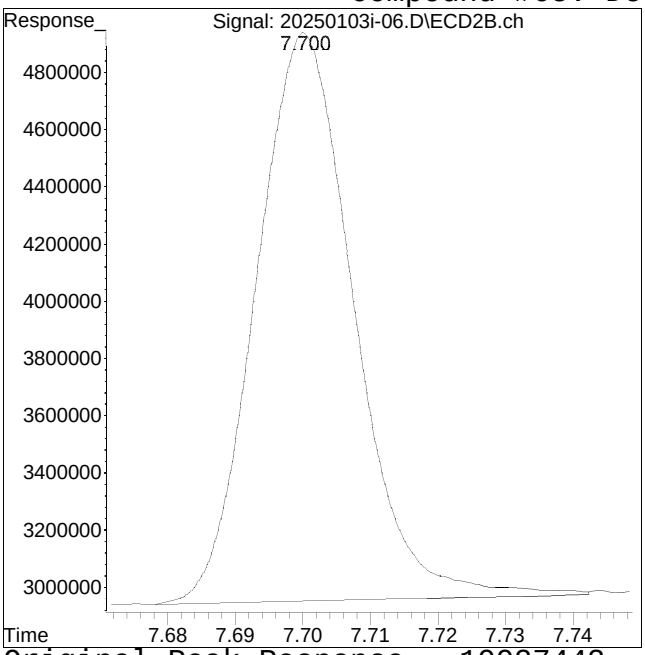


Original Peak Response = 11364616 Manual Peak Response = 13438447 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

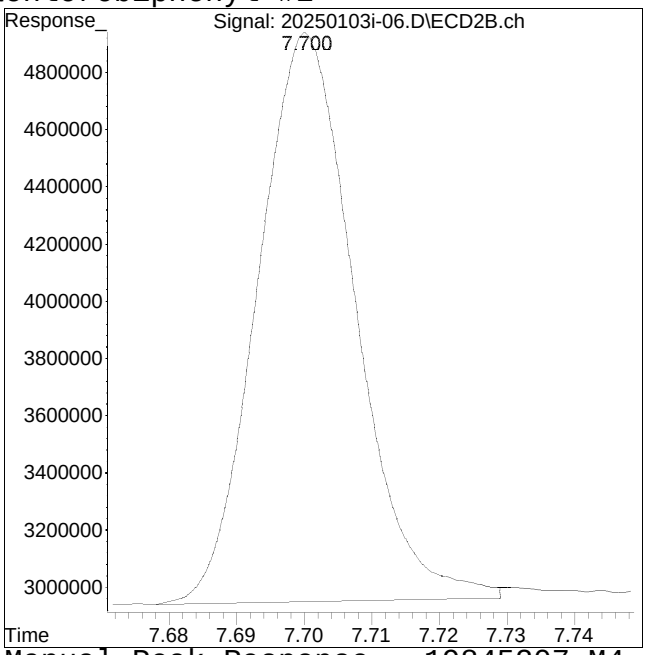
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-06.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:41 Instrument : PEST 20
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:13 am

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 19927442



Manual Peak Response = 19845207 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-07.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 12:54
Operator : pest20:ejl
Sample : il5pest,42e,,pp 11941 L0.004
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 10:01:07 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 10:00:58 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.802	1.853	84434545	156.1E6	25.000M3	25.000M3
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.260	2.434	16624118	29148382	4.517M3	4.459M3
	Spiked Amount 50.000	Range 30 - 150		Recovery =		9.03%#	8.92%#
27) s	Decachlorobi	7.139	7.698	17476668	25893801	5.041M3	4.858M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		10.08%#	9.72%#
	Target Compounds						
3)	Hexachlorobe	2.518	2.795	18478076	31717366	4.814M3	4.692
4)	alpha-BHC	2.636	2.903	19554319	34430834	4.032M3	3.853
5)	gamma-BHC (l	2.871	3.212	18528494	32835474	4.190M3	4.028M4
6)	beta-BHC	2.939	3.288	9733770	16961896	4.813M4	4.589M4
7)	delta-BHC	3.082	3.570	18343640	31930786	4.054M4	3.854
8)	Heptachlor	3.261	3.630	19188764	33106041	4.522M4	4.336
9)	Aldrin	3.528	3.963	17906242	30204783	4.317M4	4.116M4
10)	Alachlor	3.671	3.854	3412808	5100050	4.890M3	4.514
11)	Chlorpyrifos	3.772	4.222	10484627	17852826	5.325M3	5.018M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-07.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 12:54
Operator : pest20:ejl
Sample : il5pest,42e,,pp 11941 L0.004
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 10:01:07 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 10:00:58 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)		Heptachlor E	4.121	4.604	17600796	29651661	4.518M4	4.211M4
13)		gamma-Chlord	4.254	4.833	15914163	27079381	4.446M4	4.239
14)		alpha-Chlord	4.397	5.002	18332165	30790894	4.513M3	4.334M4
15)		4,4'-DDE	4.505	5.205	17113614	27559802	4.161M3	3.993M4
16)		Endosulfan I	4.541	5.061	16882533	28951127	4.505M3	4.332M4
17)		Dieldrin	4.817	5.355	17084159	28812737	4.310M3	4.110M4
18)		Endrin	5.070	5.654	17586370	30390019	4.342M3	4.212
19)		4,4'-DDD	5.180	5.782	13906658	22014392	4.231M3	3.979M3
20)		Endosulfan I	5.306	5.855	15675742	26944841	4.504M4	4.357M4
21)		4,4'-DDT	5.465	6.060	15260687	26255271	4.304M4	4.151M3
22)		Endrin Aldeh	5.717	6.154	12007338	19732227	4.105M3	3.858M4
23)		Methoxychlor	5.945	6.630	9775793	15136437	5.052M3	4.611M4
24)		Mirex	6.005	6.764	16182179	25612192	5.171M4	4.904
25)		Endosulfan S	6.106	6.385	15312629	25753152	4.704M3	4.447M4
26)		Endrin Keton	6.333	6.800	17386864	29348143	4.611M4	4.371M4
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-07.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 12:54
Operator : pest20:ejl
Sample : il5pest,42e,,pp 11941 L0.004
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 10:01:07 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 10:00:58 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

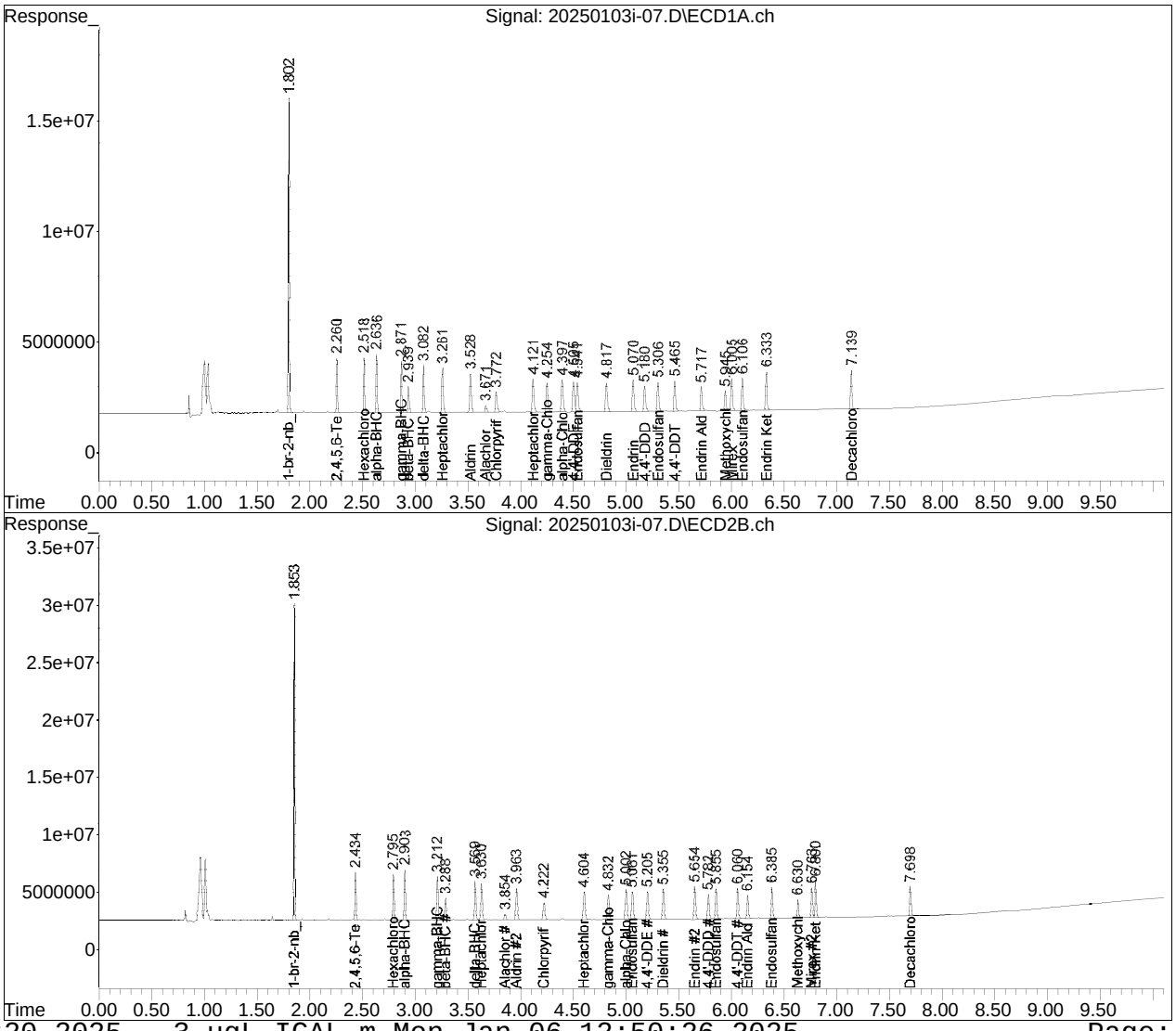
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-07.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 12:54
Operator : pest20:ejl
Sample : il5pest,42e,,pp 11941 L0.004
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 10:01:07 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 10:00:58 2025
Response via : Initial Calibration
Integrator: ChemStation

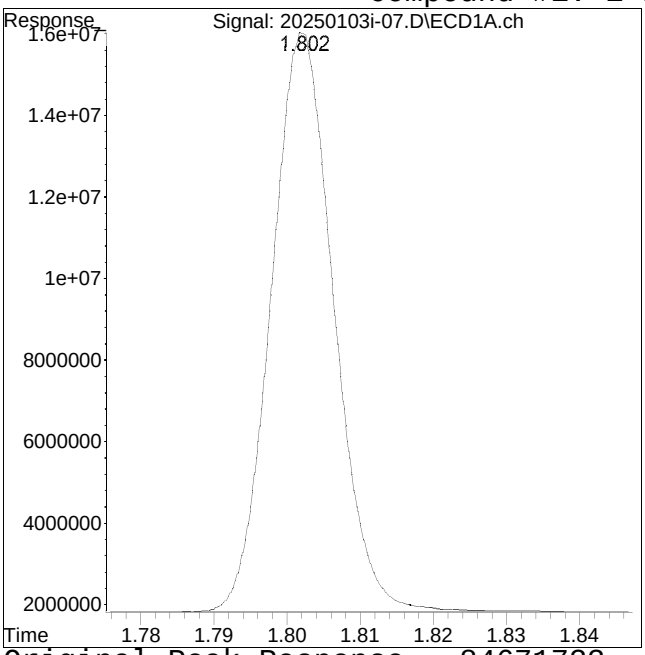
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

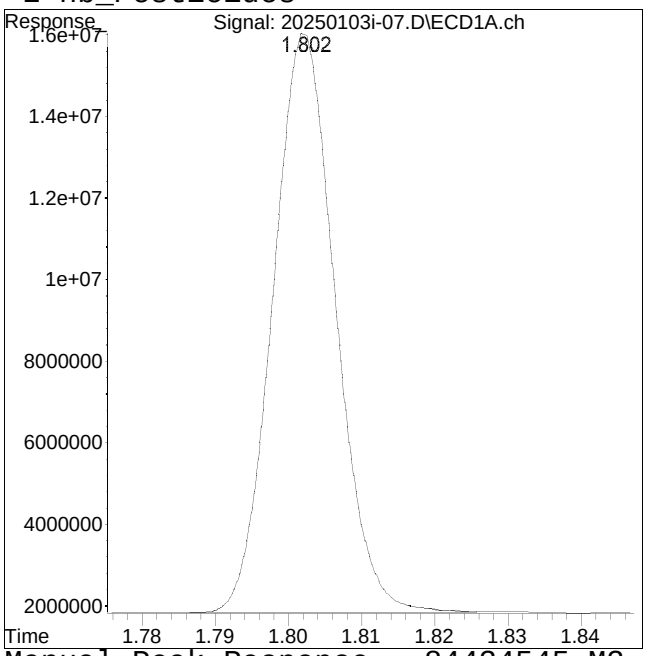


Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-07.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:54 Instrument : PEST 20
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:01 am

Compound #1: 1-br-2-nb_Pesticides



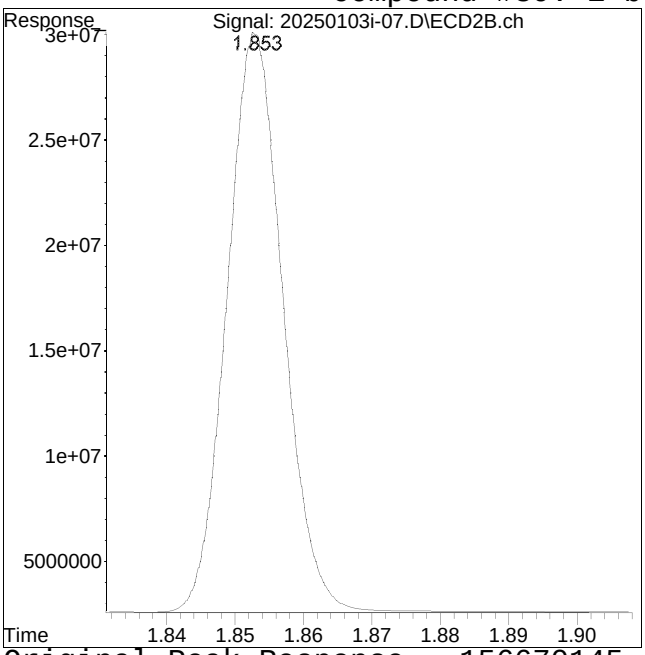


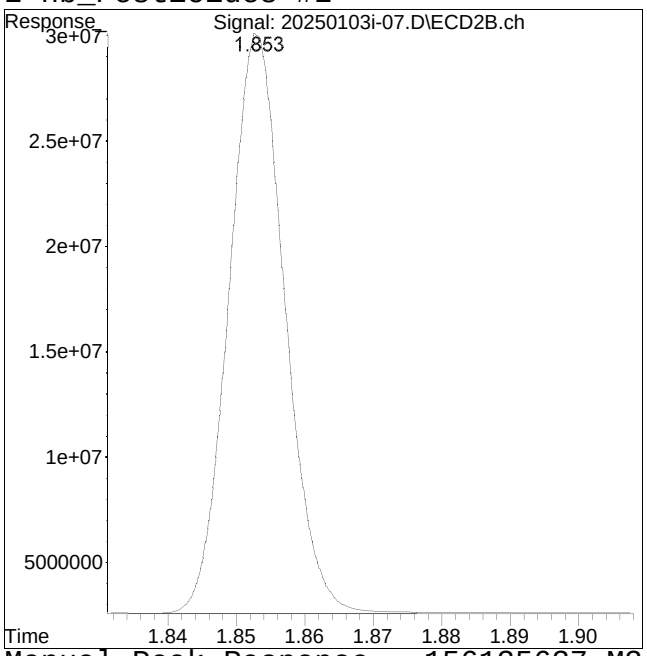
Original Peak Response = 84671733 Manual Peak Response = 84434545 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-07.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:54 Instrument : PEST 20
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:01 am

Compound #39: 1-br-2-nb_Pesticides #2



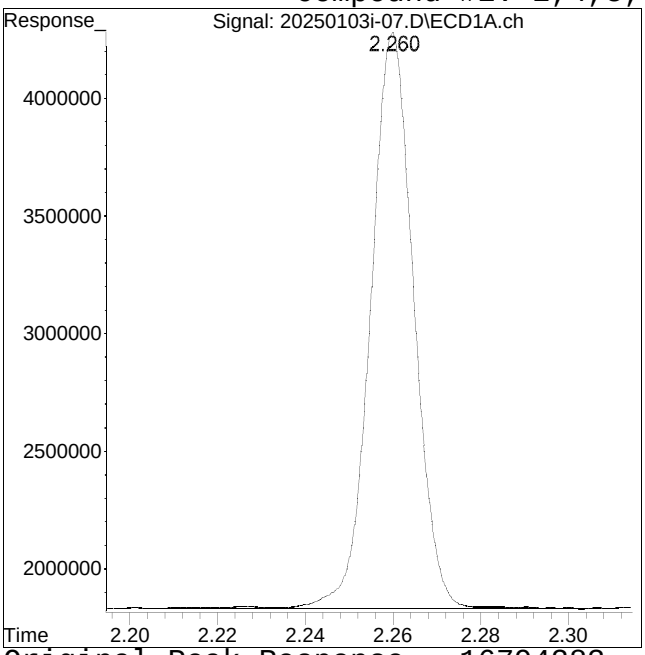


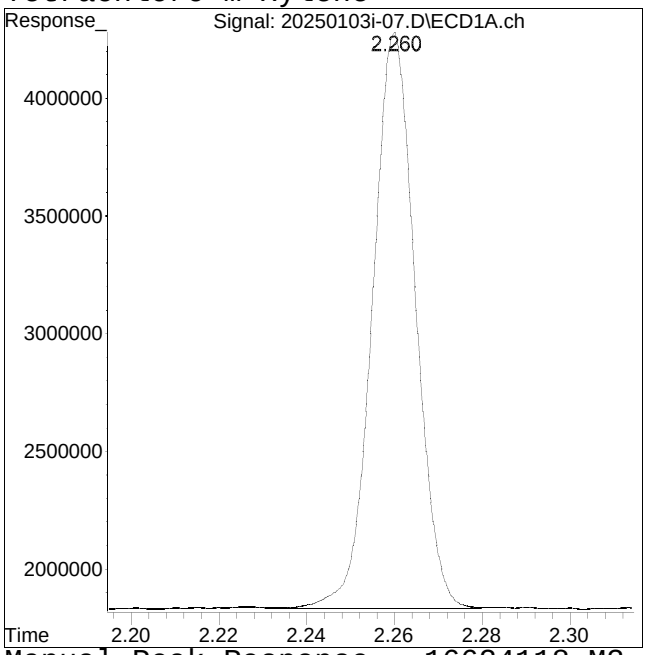
Original Peak Response = 156670145 Manual Peak Response = 156135637 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-07.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:54 Instrument : PEST 20
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:01 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



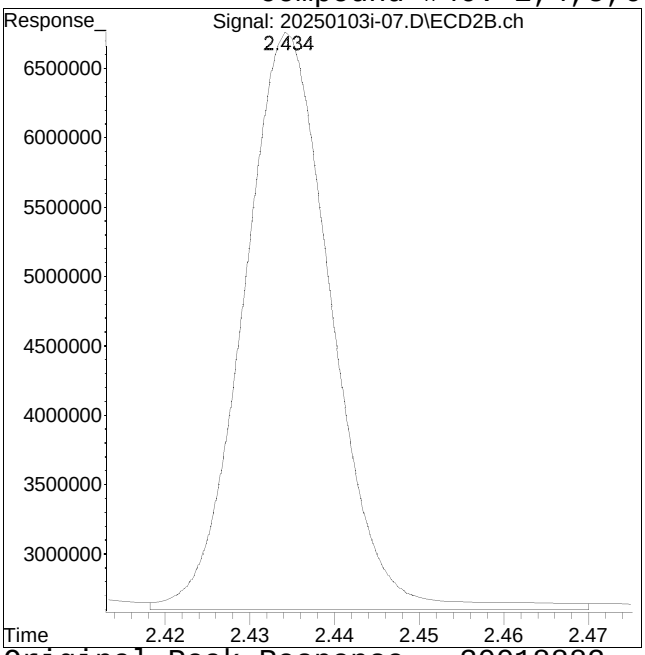


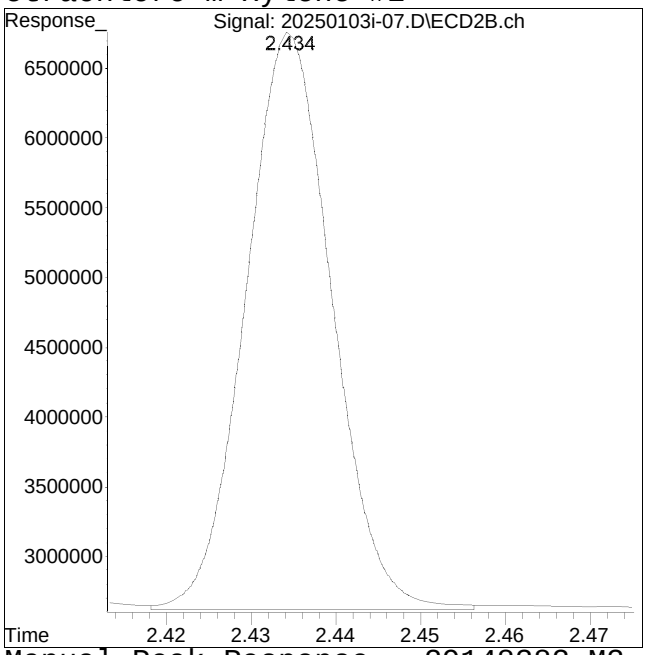
Original Peak Response = 16794283 Manual Peak Response = 16624118 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-07.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:54 Instrument : PEST 20
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:01 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2





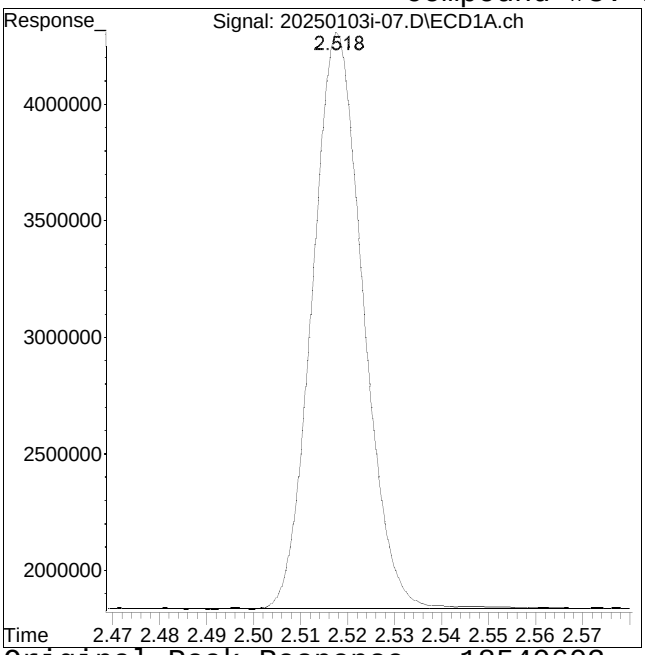
Original Peak Response = 30018882 Manual Peak Response = 29148382 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

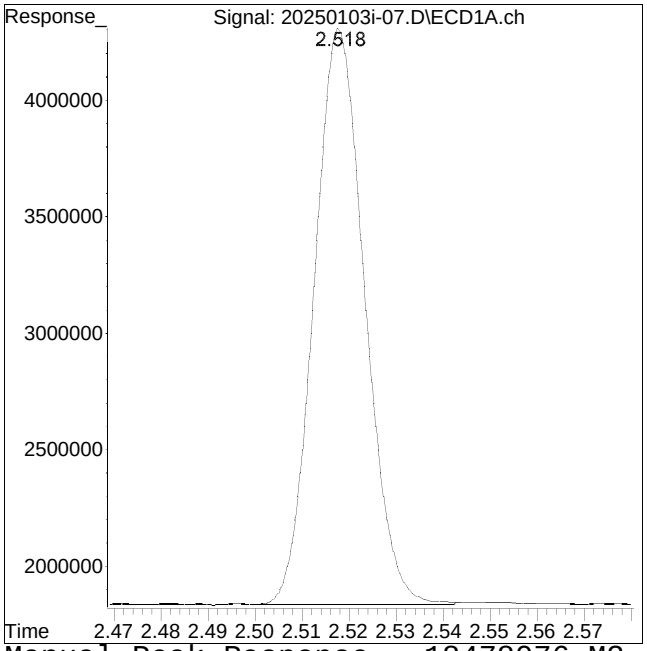
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-07.D
Date Inj'd : 1/3/2025 12:54
Sample : il5pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:01 am

Compound #3: Hexachlorobenzene





Original Peak Response = 18540603 Manual Peak Response = 18478076 M3

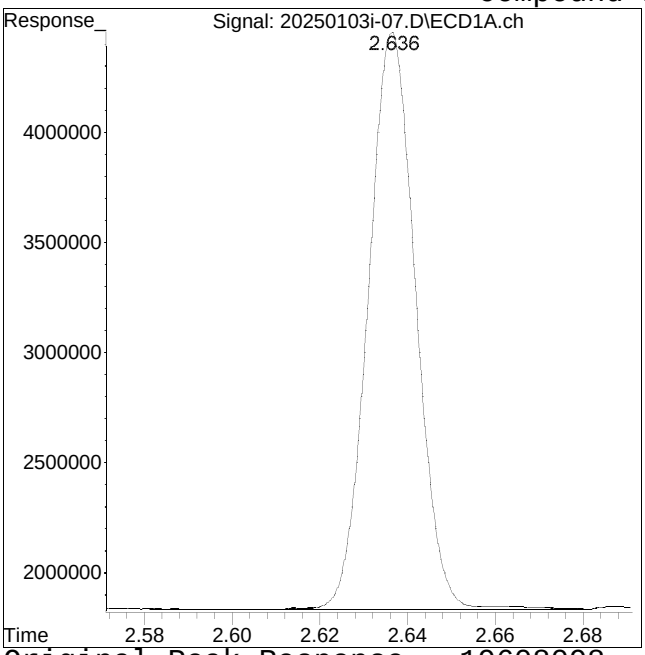
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

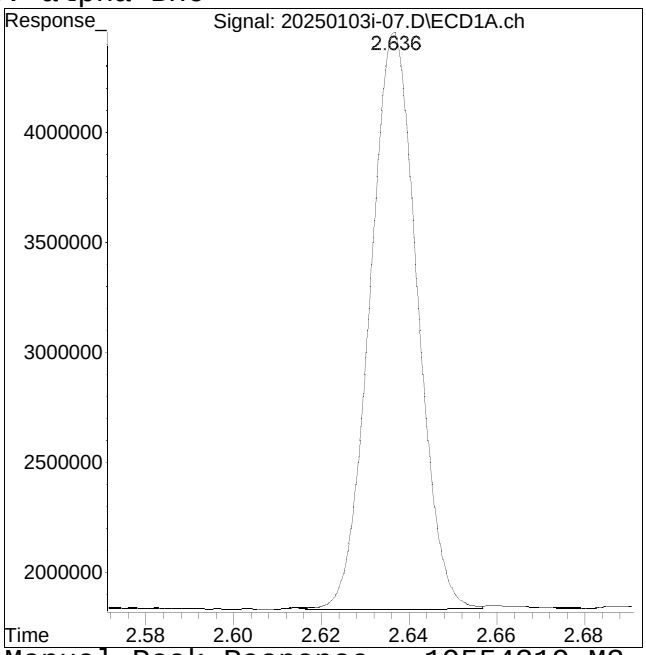
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-07.D
Date Inj'd : 1/3/2025 12:54
Sample : il5pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:01 am

Compound #4: alpha-BHC





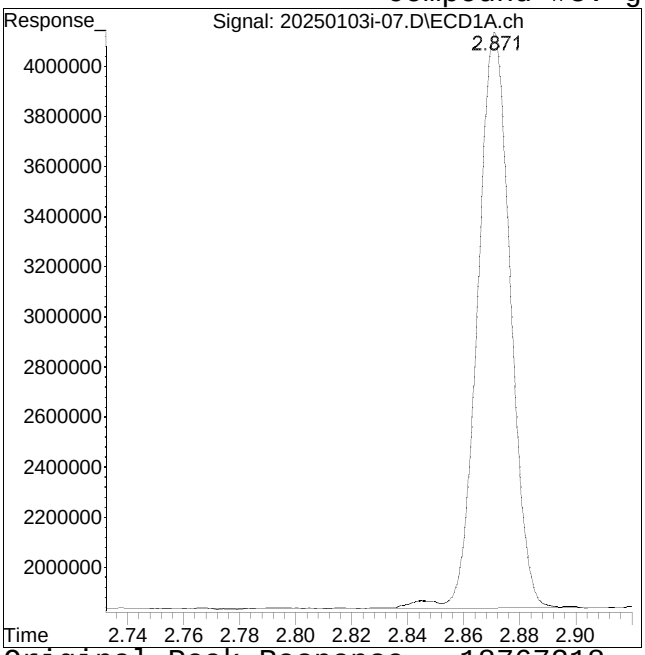
Original Peak Response = 19608098 Manual Peak Response = 19554319 M3

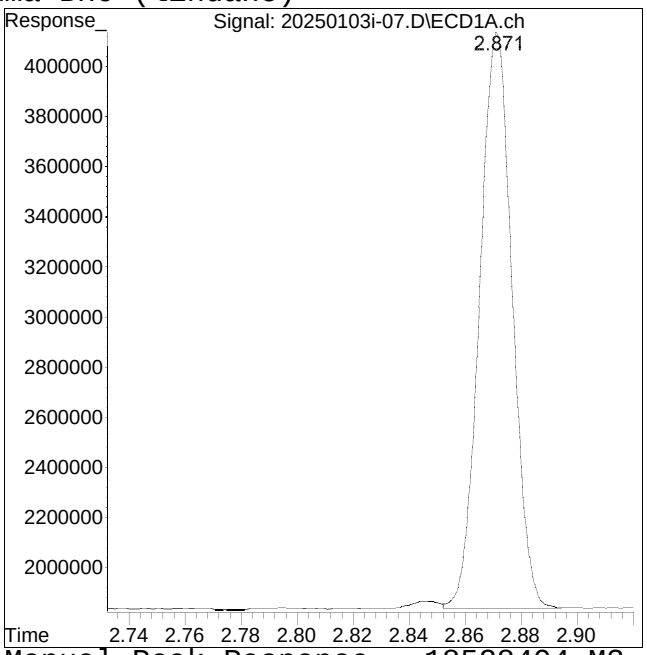
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-07.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:54 Instrument : PEST 20
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:01 am

Compound #5: gamma-BHC (lindane)





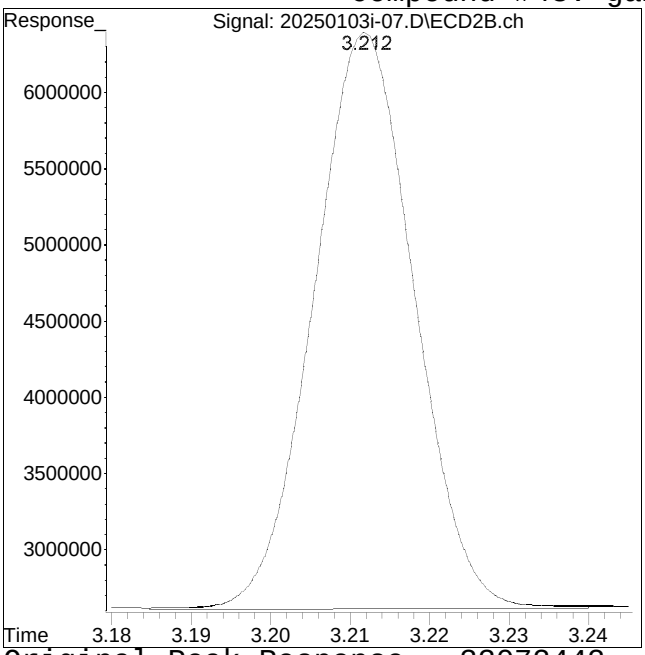
Original Peak Response = 18767218 Manual Peak Response = 18528494 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

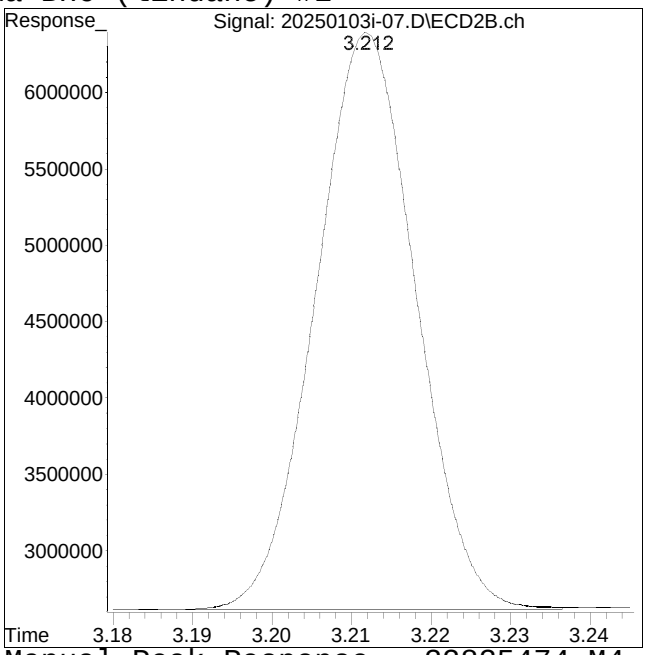
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-07.D
Date Inj'd : 1/3/2025 12:54
Sample : il5pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:01 am

Compound #43: gamma-BHC (lindane) #2



Original Peak Response = 33072442



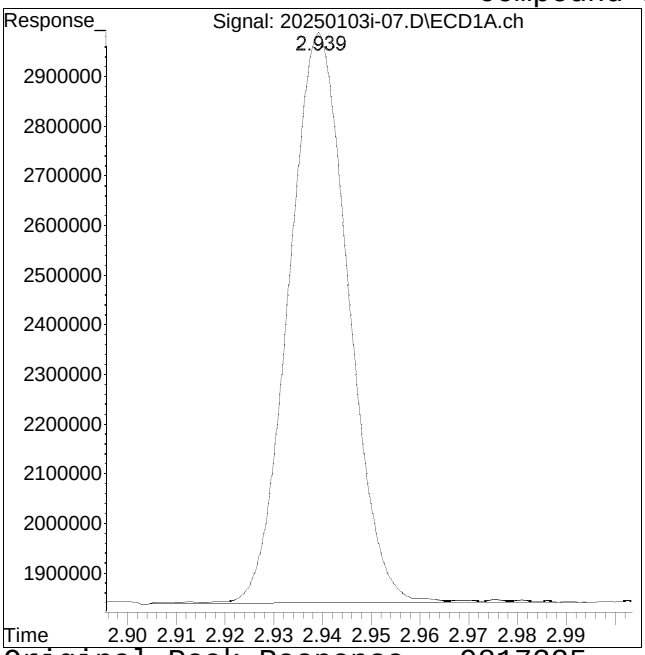
Manual Peak Response = 32835474 M4

M4 = Poor automated baseline construction.

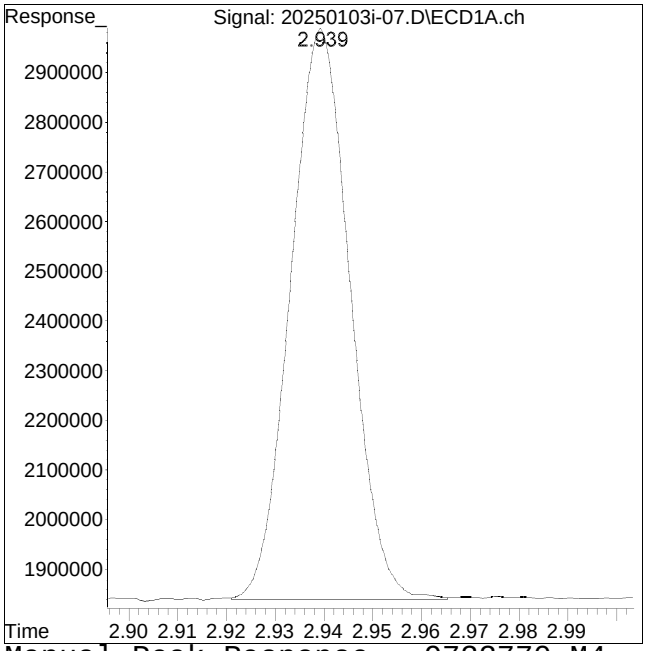
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-07.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:54 Instrument : PEST 20
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:01 am

Compound #6: beta-BHC



Original Peak Response = 9817325



Manual Peak Response = 9733770 M4

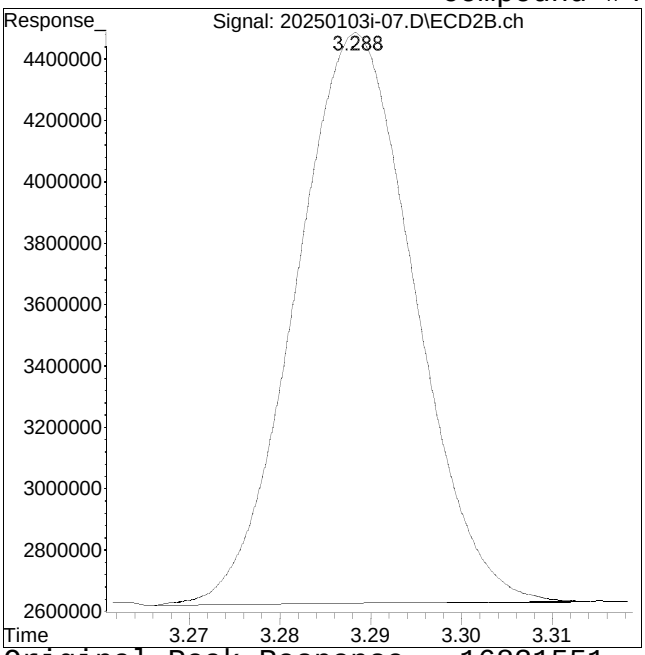
M4 = Poor automated baseline construction.

Manual Integration Report

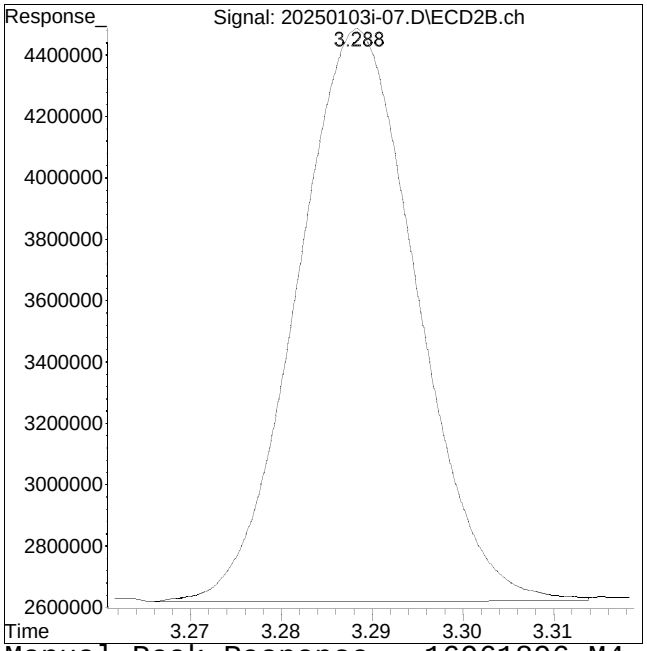
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-07.D
Date Inj'd : 1/3/2025 12:54
Sample : il5pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:01 am

Compound #44: beta-BHC #2



Original Peak Response = 16831551



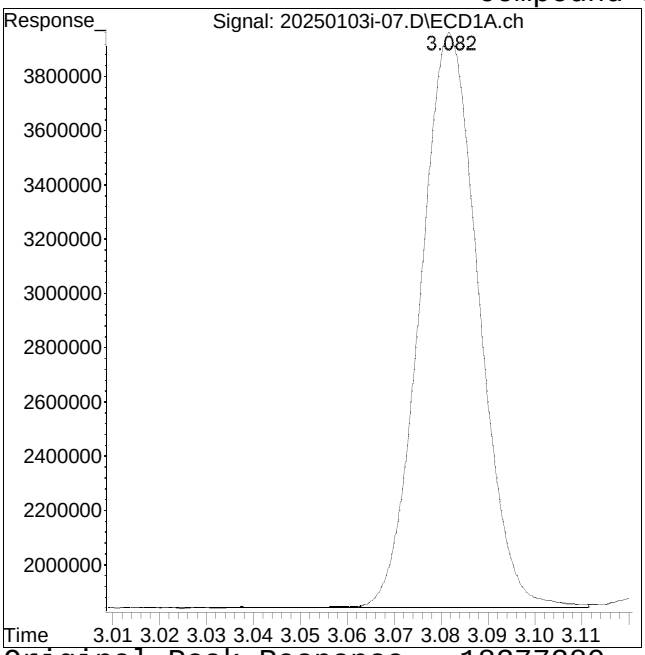
Manual Peak Response = 16961896 M4

M4 = Poor automated baseline construction.

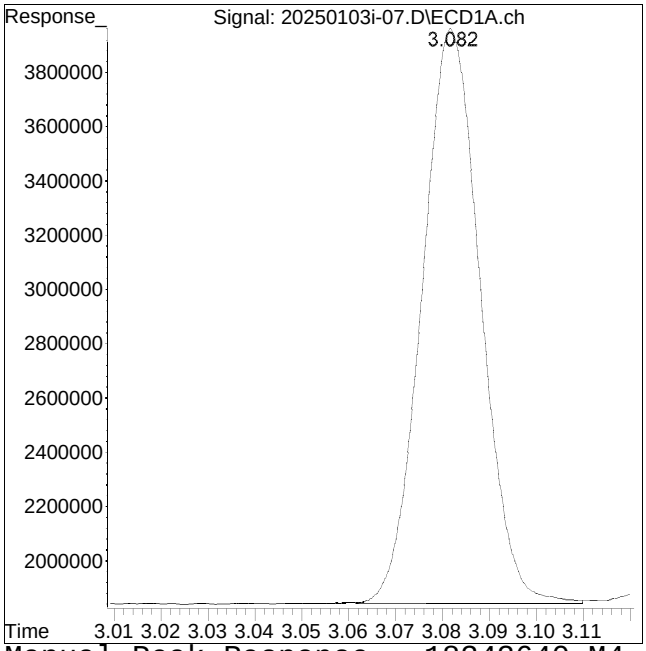
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-07.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:54 Instrument : PEST 20
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:01 am

Compound #7: delta-BHC



Original Peak Response = 18377280



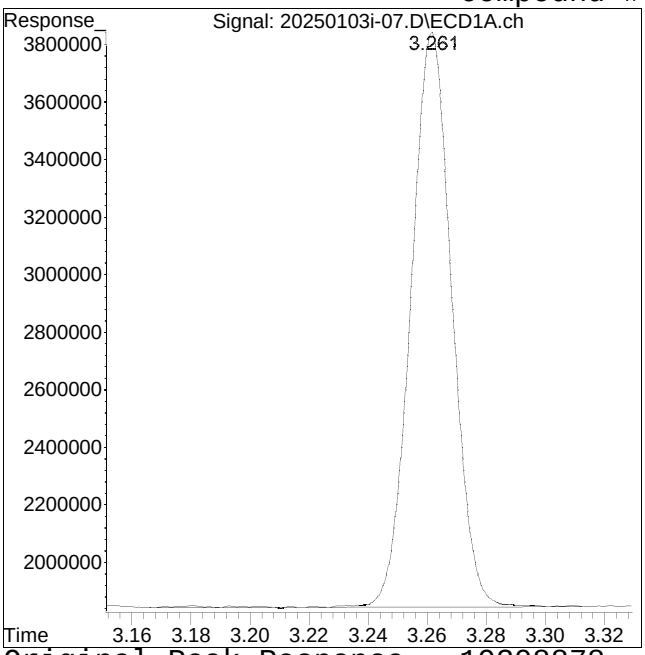
Manual Peak Response = 18343640 M4

M4 = Poor automated baseline construction.

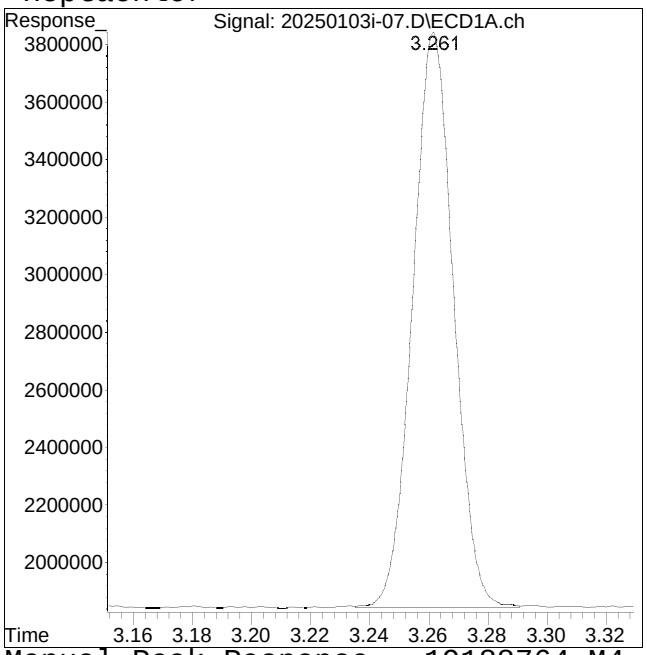
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-07.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:54 Instrument : PEST 20
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:01 am

Compound #8: Heptachlor



Original Peak Response = 19308878



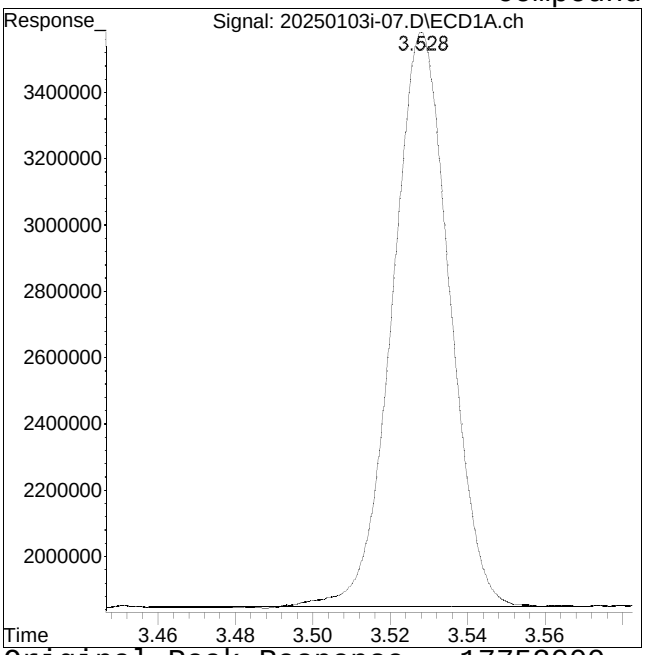
Manual Peak Response = 19188764 M4

M4 = Poor automated baseline construction.

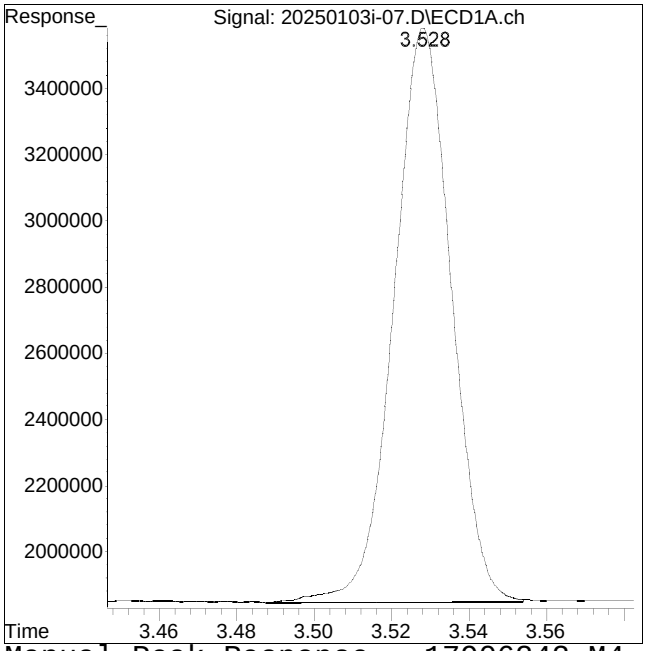
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-07.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:54 Instrument : PEST 20
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:01 am

Compound #9: Aldrin



Original Peak Response = 17753000



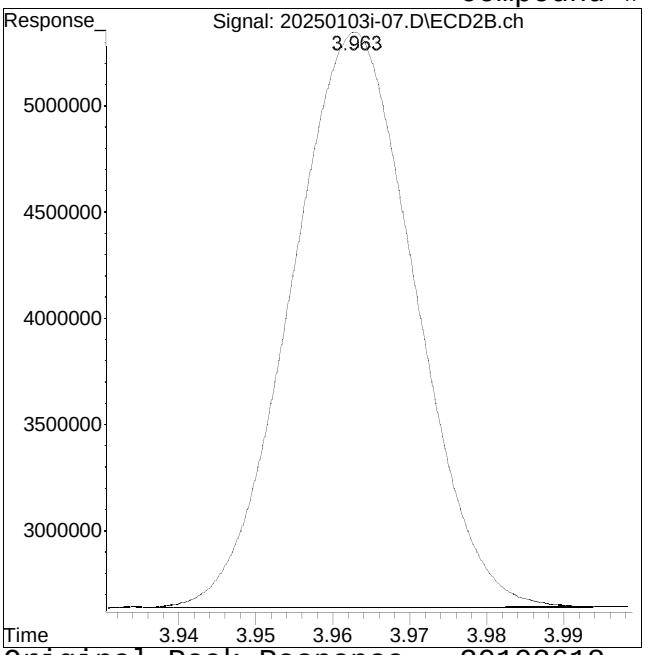
Manual Peak Response = 17906242 M4

M4 = Poor automated baseline construction.

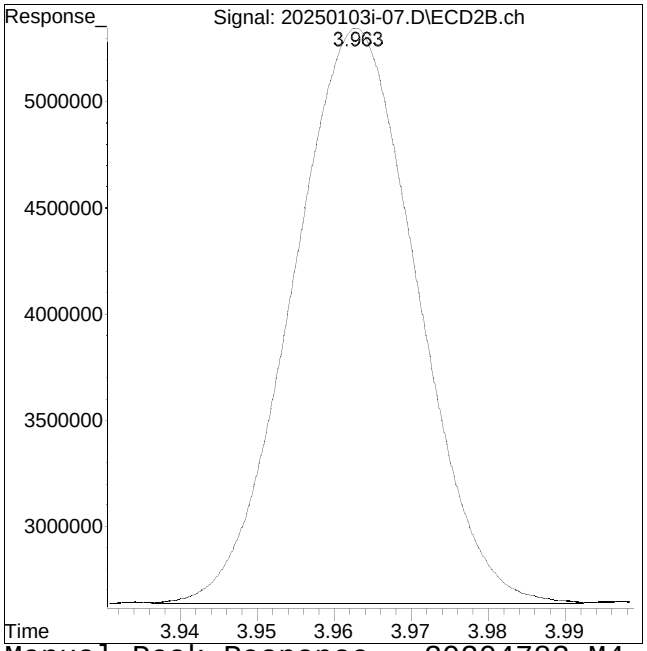
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-07.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:54 Instrument : PEST 20
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:01 am

Compound #47: Aldrin #2



Original Peak Response = 30102618



Manual Peak Response = 30204783 M4

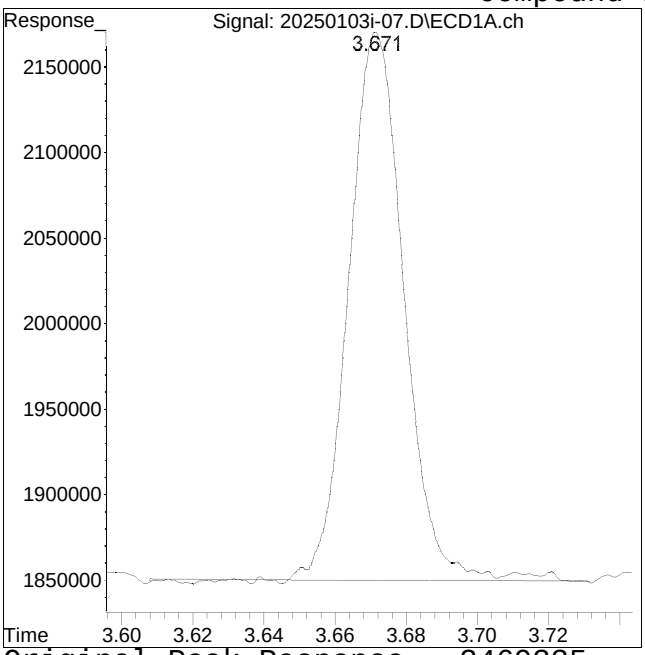
M4 = Poor automated baseline construction.

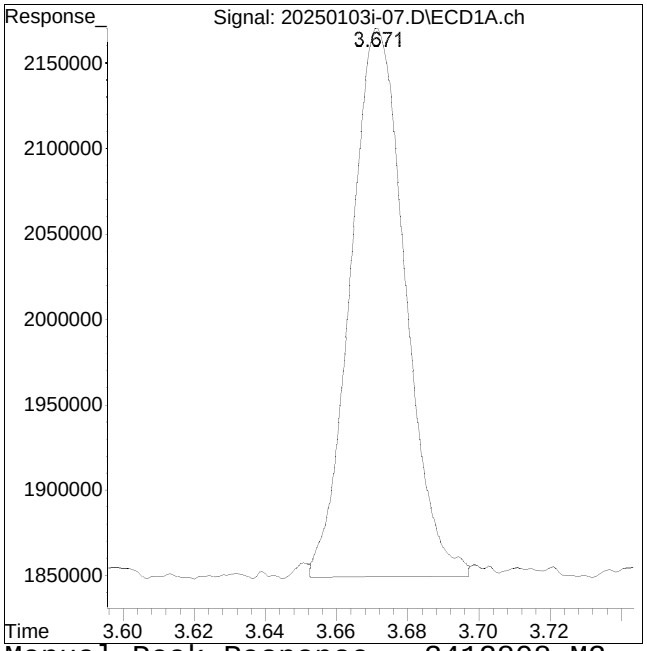
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-07.D
Date Inj'd : 1/3/2025 12:54
Sample : il5pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:01 am

Compound #10: Alachlor





Original Peak Response = 3469335 Manual Peak Response = 3412808 M3

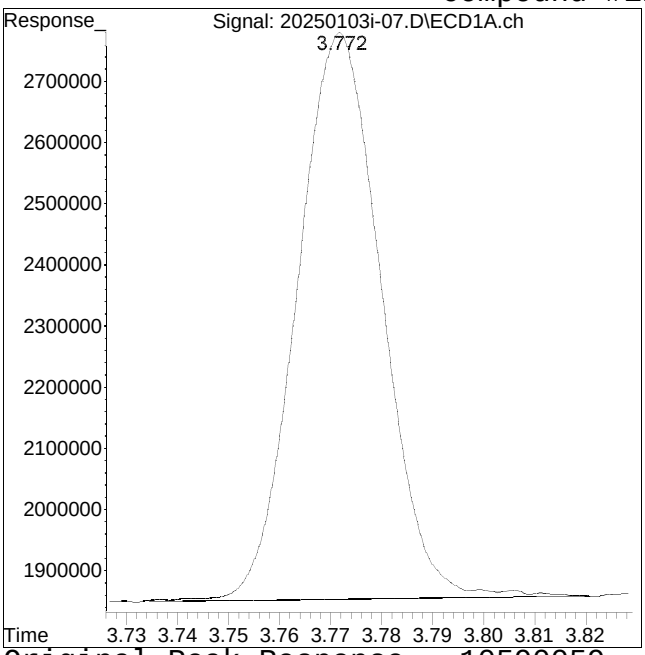
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

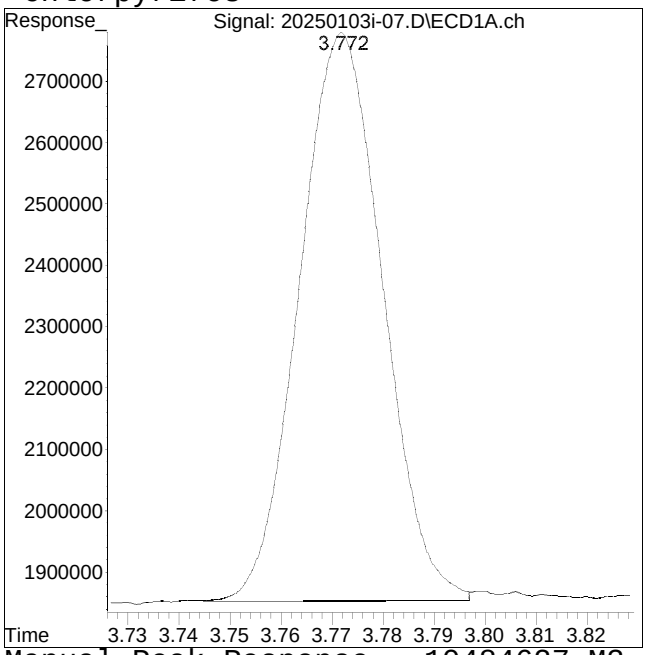
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-07.D
Date Inj'd : 1/3/2025 12:54
Sample : il5pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:01 am

Compound #11: Chlorpyrifos





Original Peak Response = 10590059 Manual Peak Response = 10484627 M3

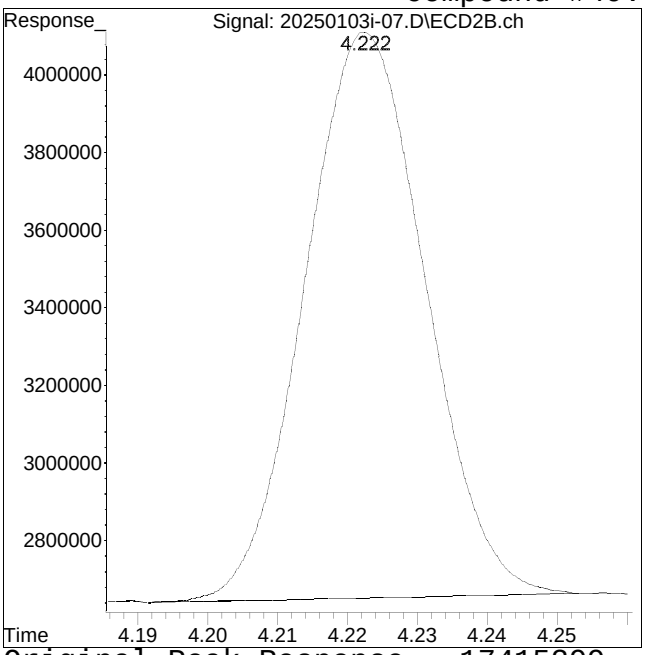
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

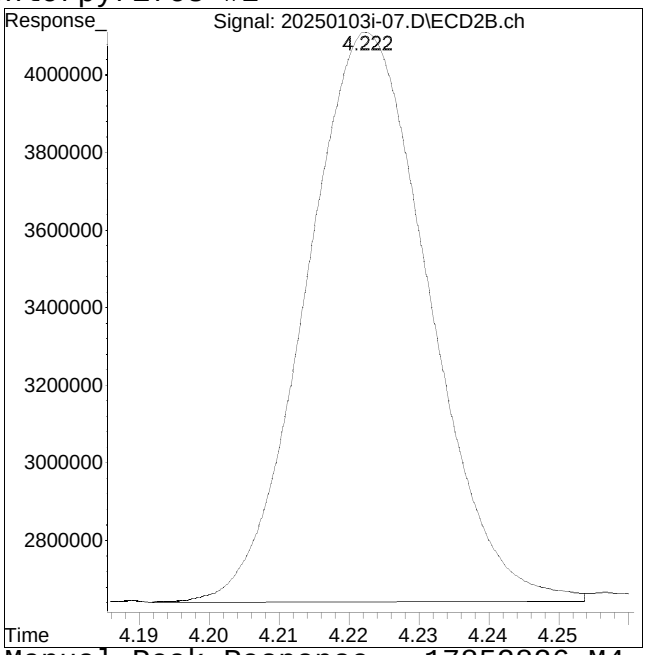
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-07.D
Date Inj'd : 1/3/2025 12:54
Sample : il5pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:01 am

Compound #49: Chlorpyrifos #2



Original Peak Response = 17415299



Manual Peak Response = 17852826 M4

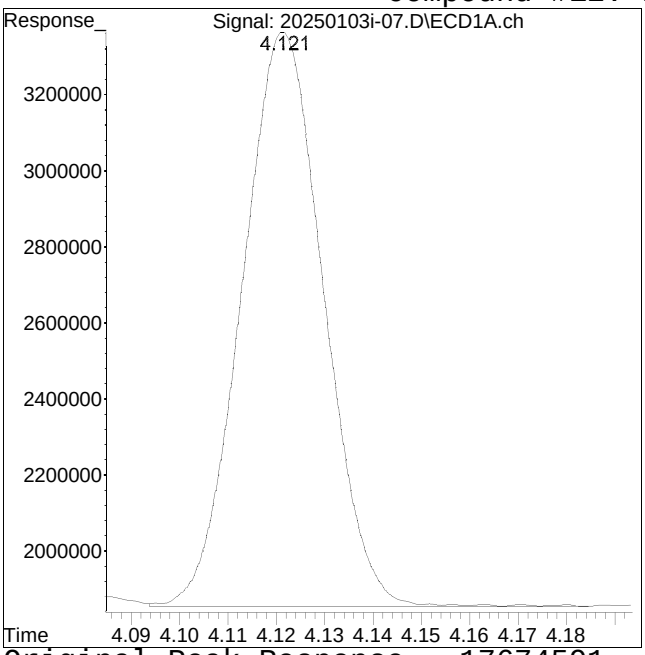
M4 = Poor automated baseline construction.

Manual Integration Report

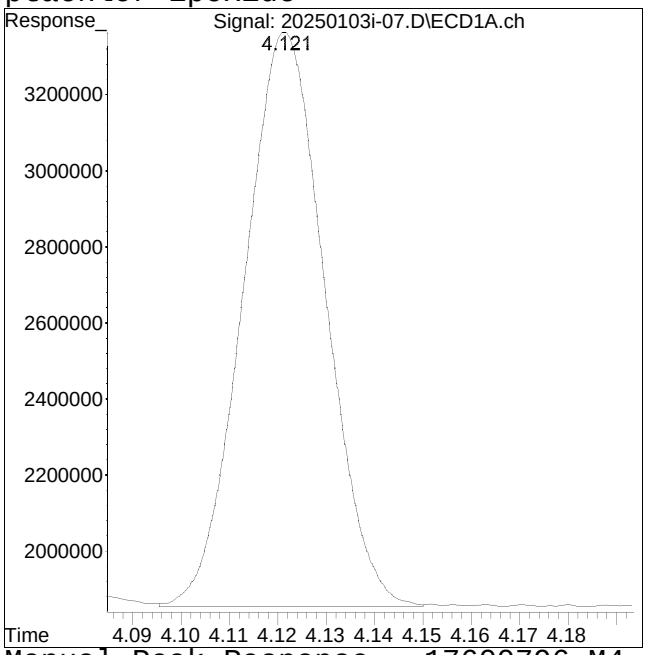
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-07.D
Date Inj'd : 1/3/2025 12:54
Sample : il5pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:01 am

Compound #12: Heptachlor Epoxide



Original Peak Response = 17674591



Manual Peak Response = 17600796 M4

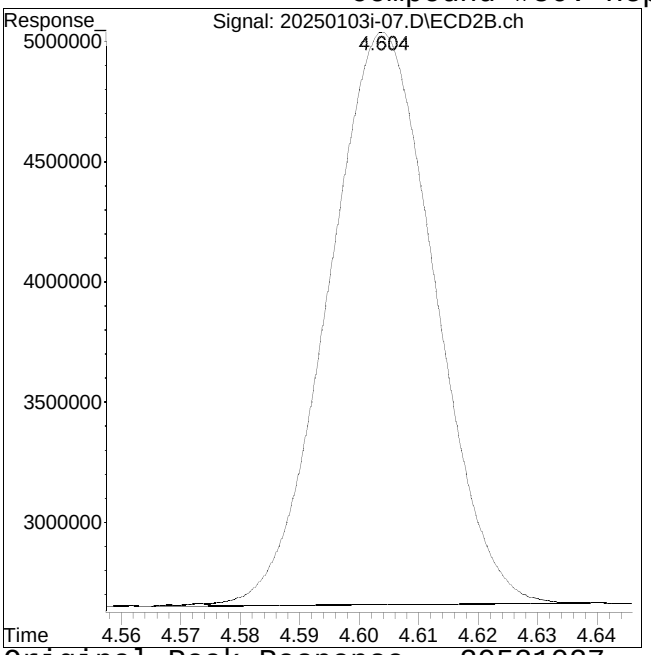
M4 = Poor automated baseline construction.

Manual Integration Report

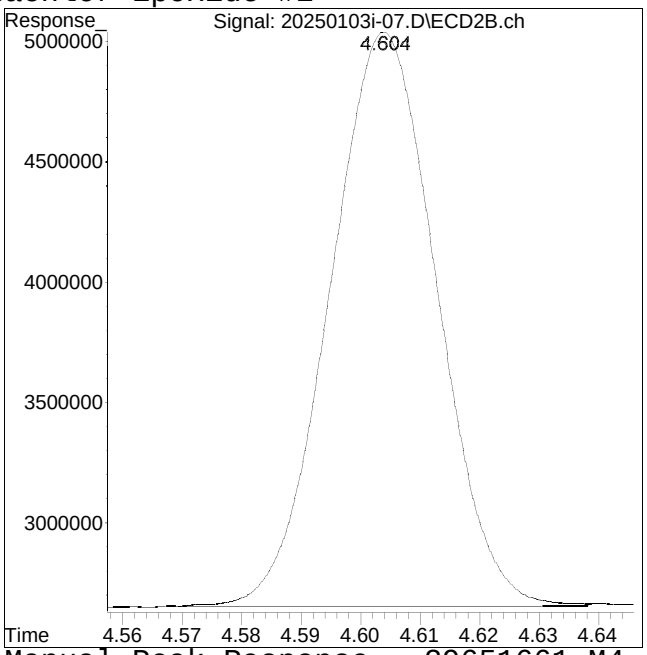
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-07.D
Date Inj'd : 1/3/2025 12:54
Sample : il5pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:01 am

Compound #50: Heptachlor Epoxide #2



Original Peak Response = 29521027



Manual Peak Response = 29651661 M4

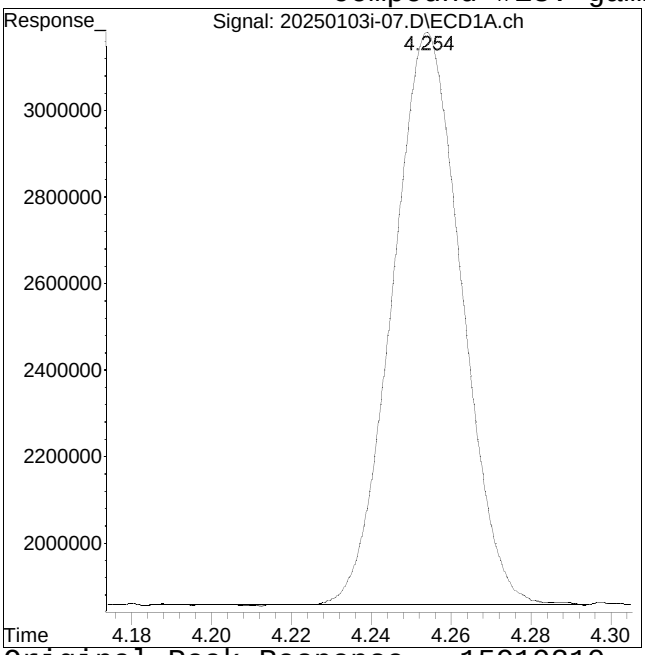
M4 = Poor automated baseline construction.

Manual Integration Report

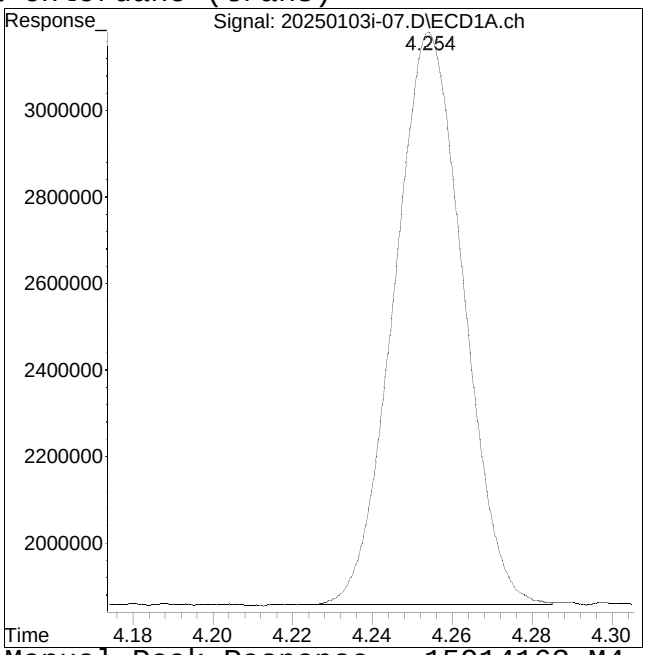
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-07.D
Date Inj'd : 1/3/2025 12:54
Sample : il5pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:01 am

Compound #13: gamma-Chlordane (trans)



Original Peak Response = 15919210



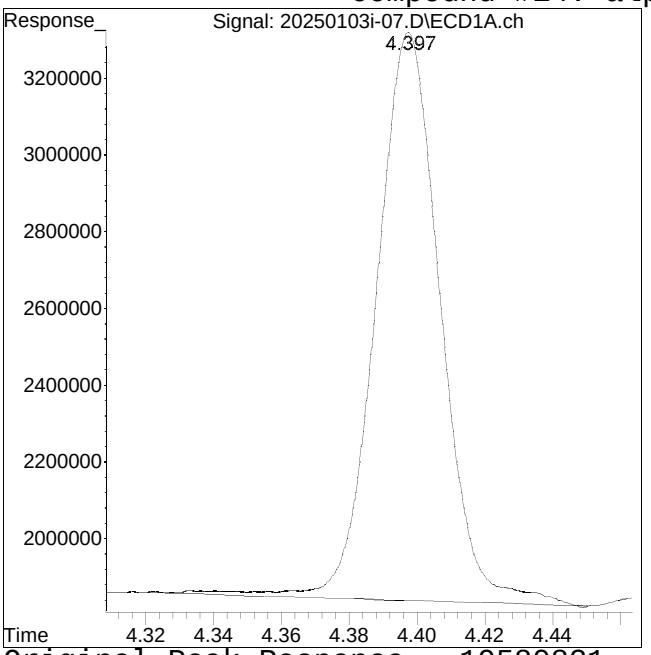
Manual Peak Response = 15914163 M4

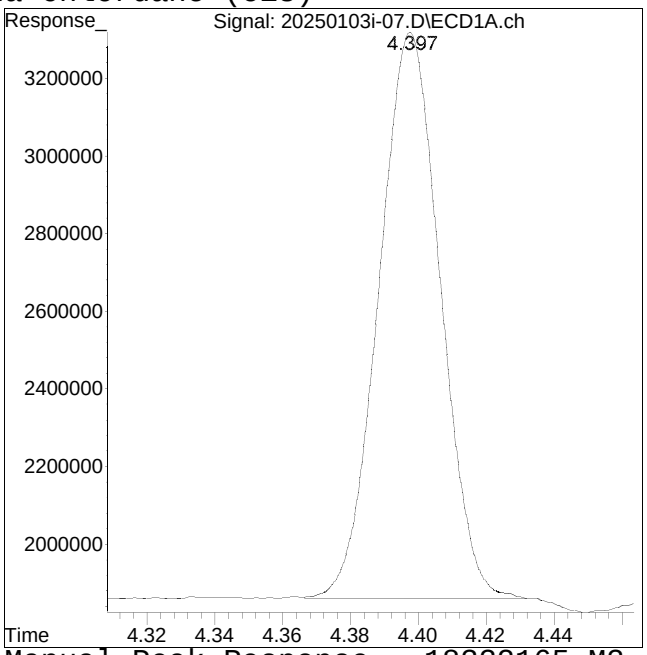
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-07.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:54 Instrument : PEST 20
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:01 am

Compound #14: alpha-Chlordane (cis)



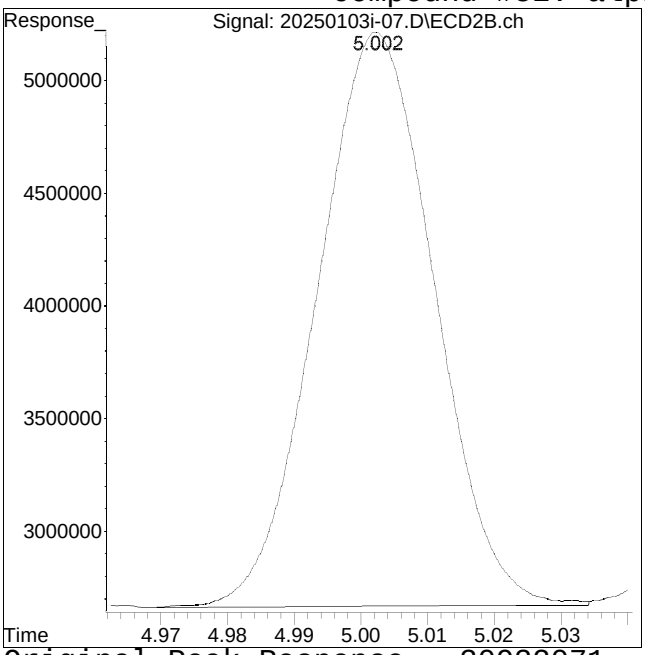


Original Peak Response = 19580831 Manual Peak Response = 18332165 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

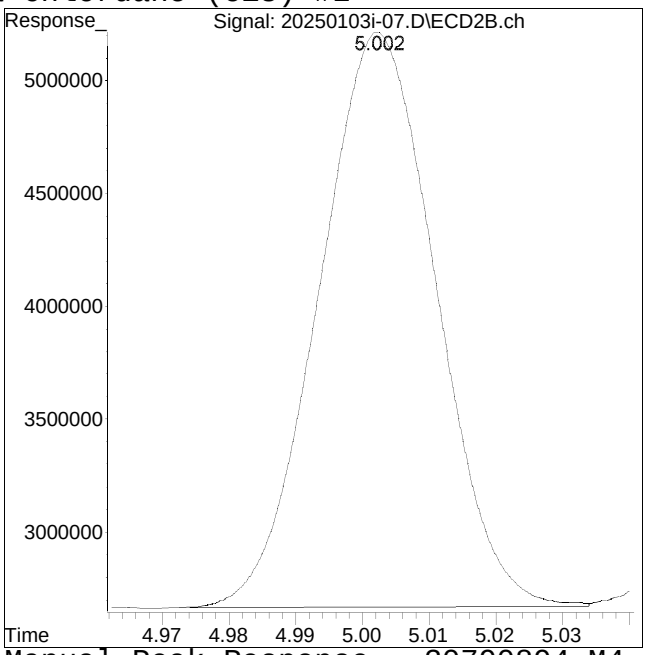
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-07.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:54 Instrument : PEST 20
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:01 am

Compound #52: alpha-Chlordane (cis) #2



Original Peak Response = 30932071



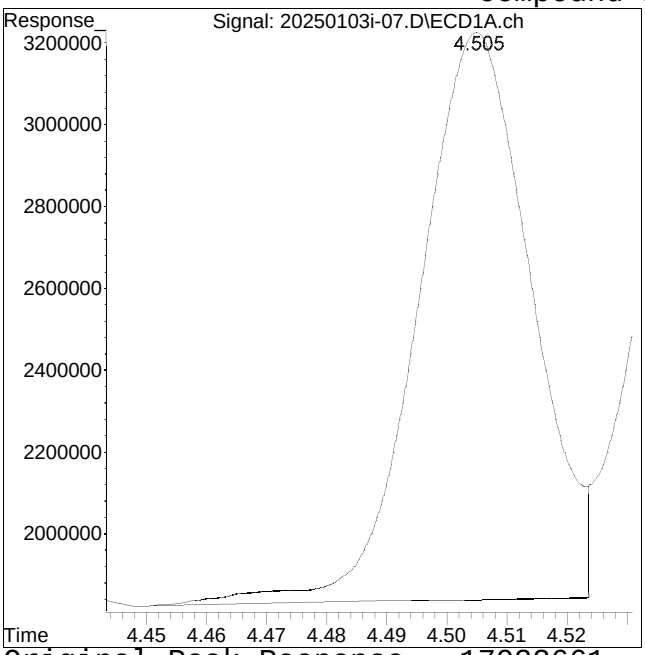
Manual Peak Response = 30790894 M4

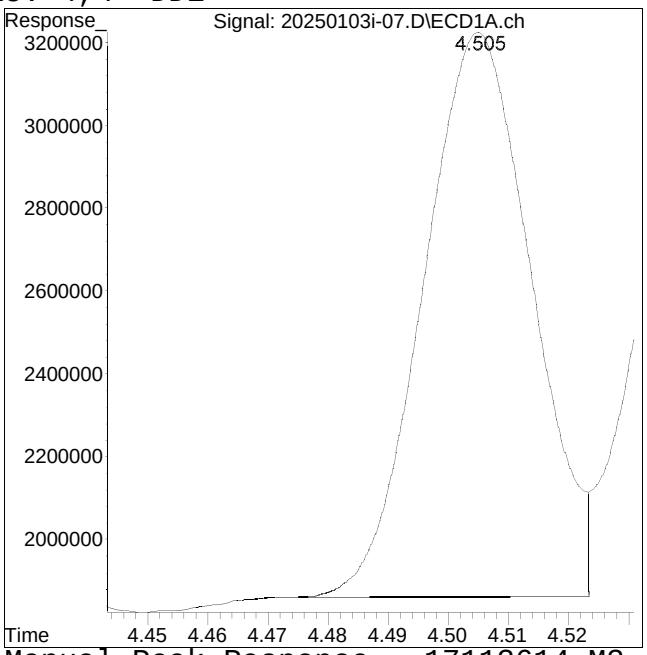
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-07.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:54 Instrument : PEST 20
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:01 am

Compound #15: 4,4'-DDE





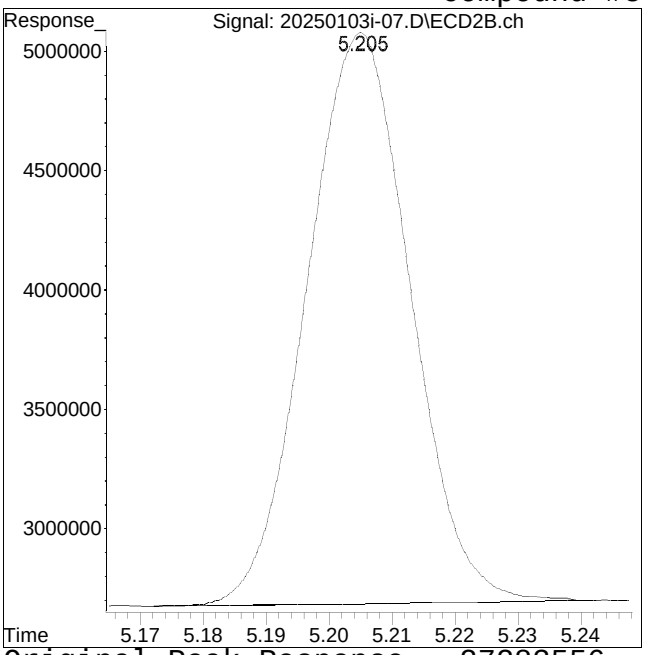
Original Peak Response = 17932661 Manual Peak Response = 17113614 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

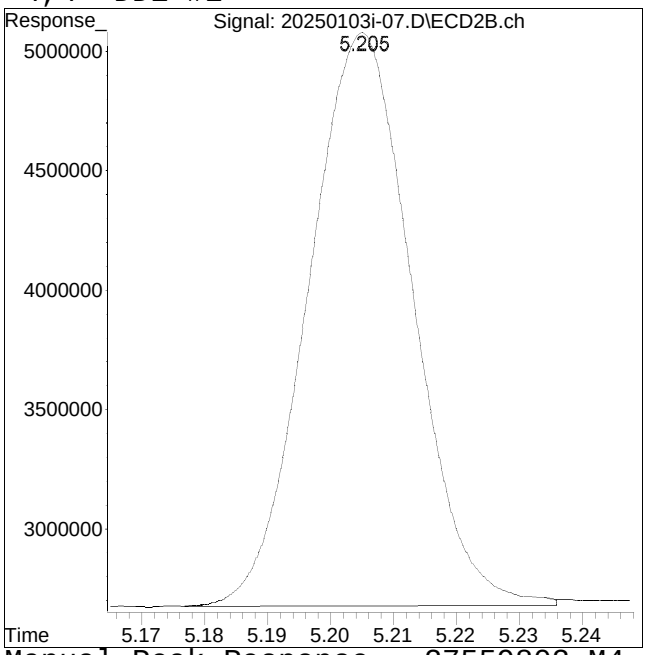
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-07.D
Date Inj'd : 1/3/2025 12:54
Sample : il5pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:01 am

Compound #53: 4,4'-DDE #2



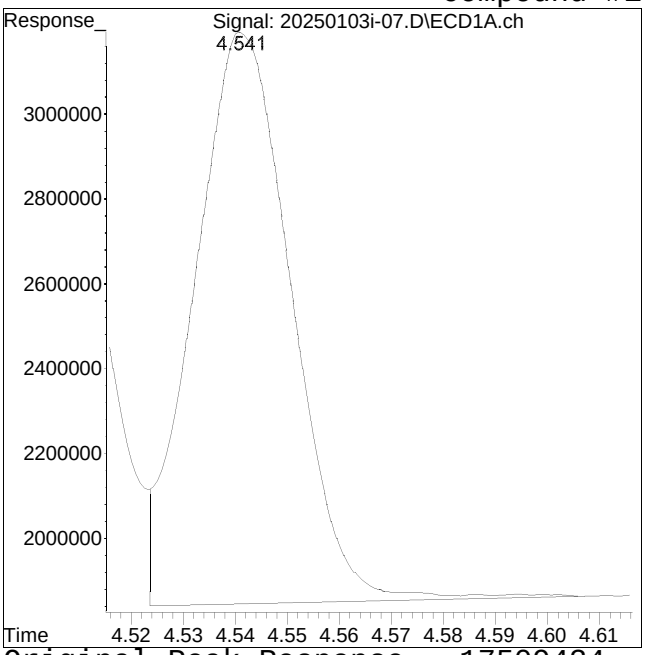


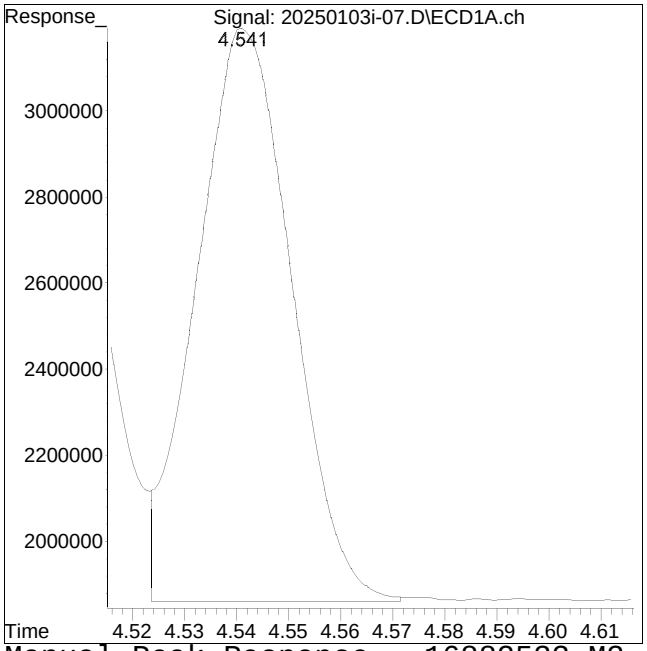
Original Peak Response = 27283556 Manual Peak Response = 27559802 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-07.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:54 Instrument : PEST 20
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:01 am

Compound #16: Endosulfan I





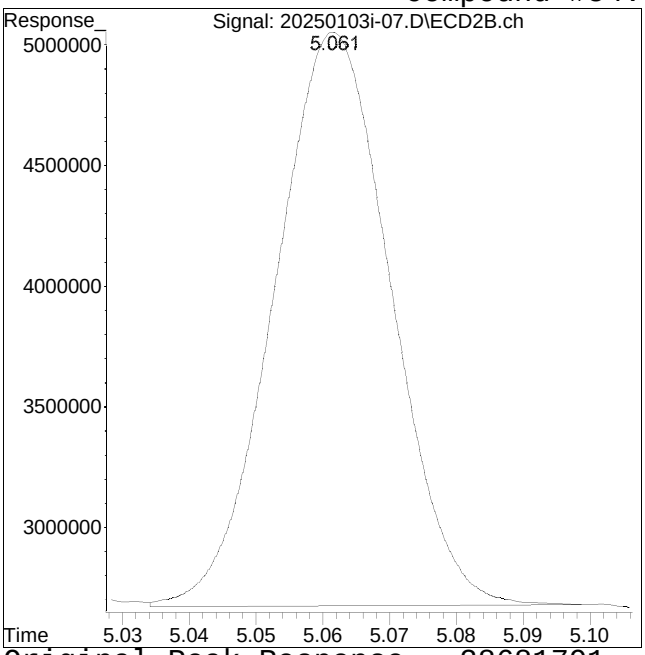
Original Peak Response = 17509434 Manual Peak Response = 16882533 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

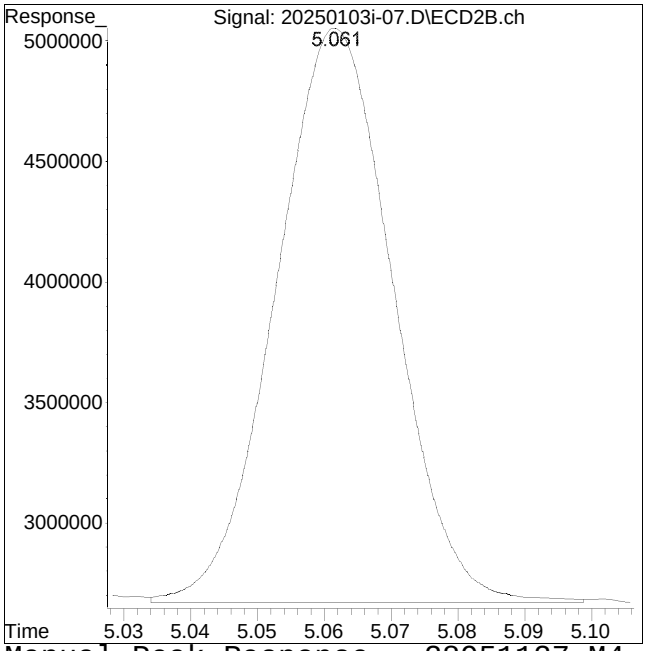
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-07.D
Date Inj'd : 1/3/2025 12:54
Sample : il5pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:01 am

Compound #54: Endosulfan I #2



Original Peak Response = 28681791



Manual Peak Response = 28951127 M4

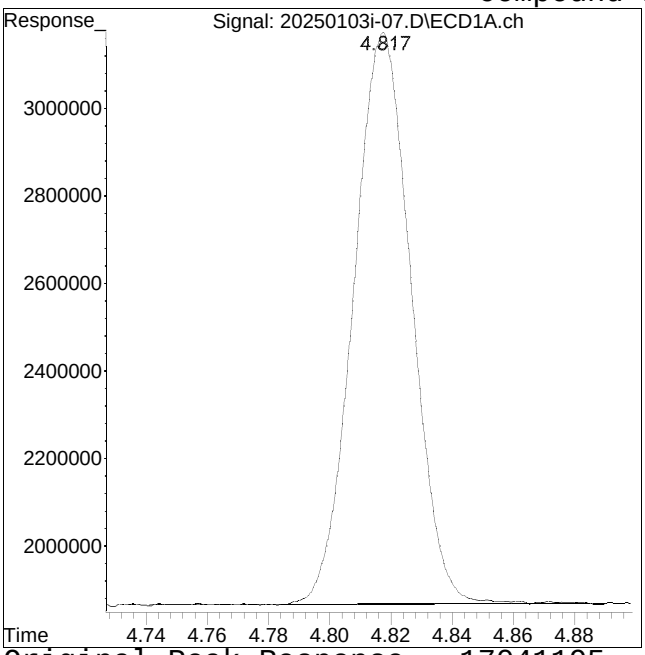
M4 = Poor automated baseline construction.

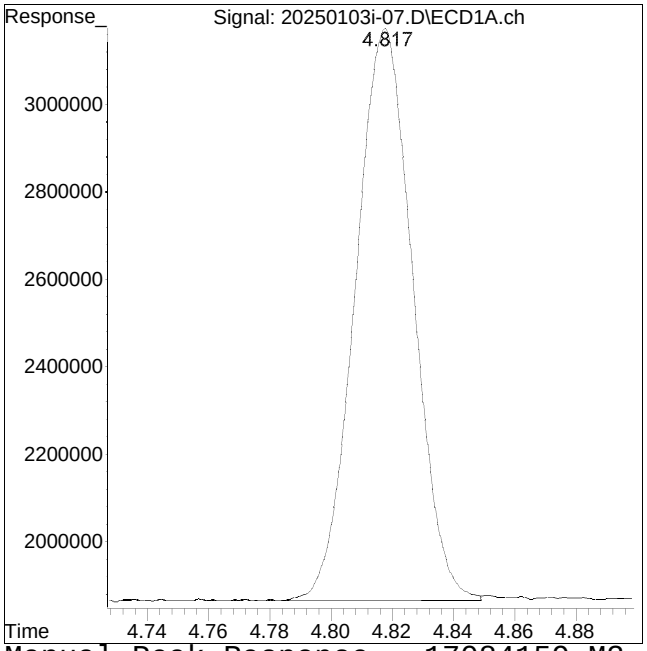
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-07.D
Date Inj'd : 1/3/2025 12:54
Sample : il5pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:01 am

Compound #17: Dieldrin





Original Peak Response = 17041195 Manual Peak Response = 17084159 M3

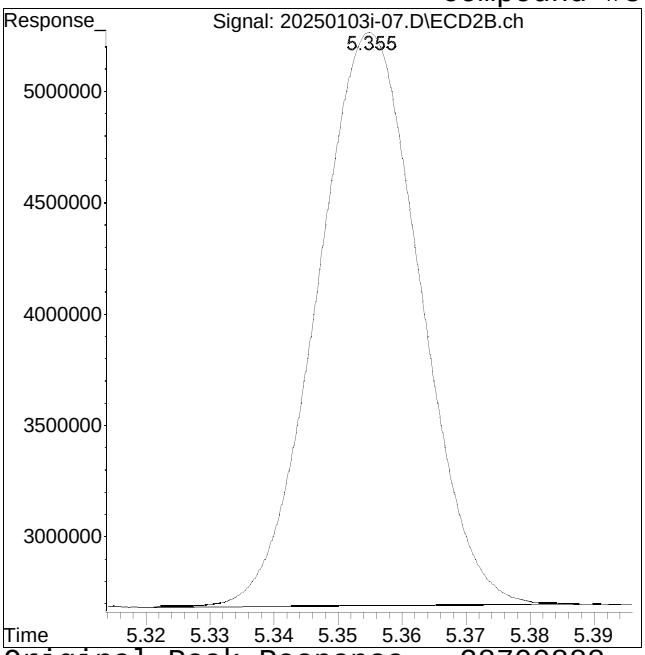
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

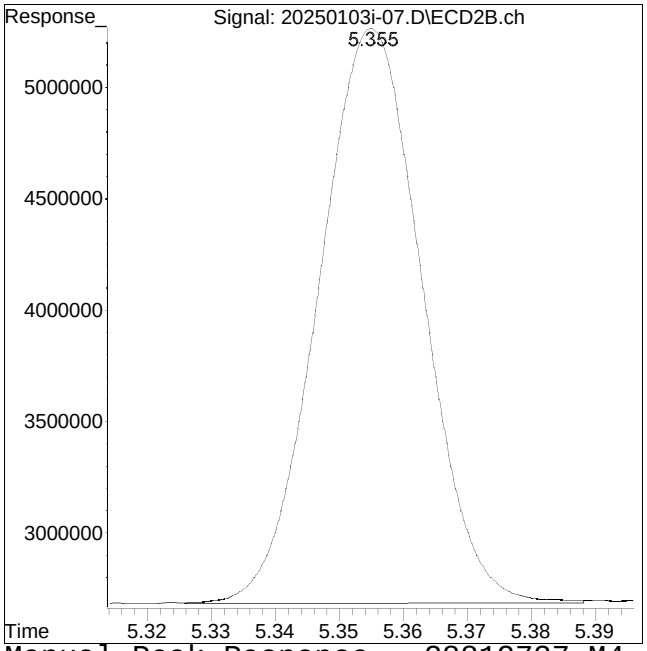
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-07.D
Date Inj'd : 1/3/2025 12:54
Sample : il5pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:01 am

Compound #55: Dieldrin #2



Original Peak Response = 28700888



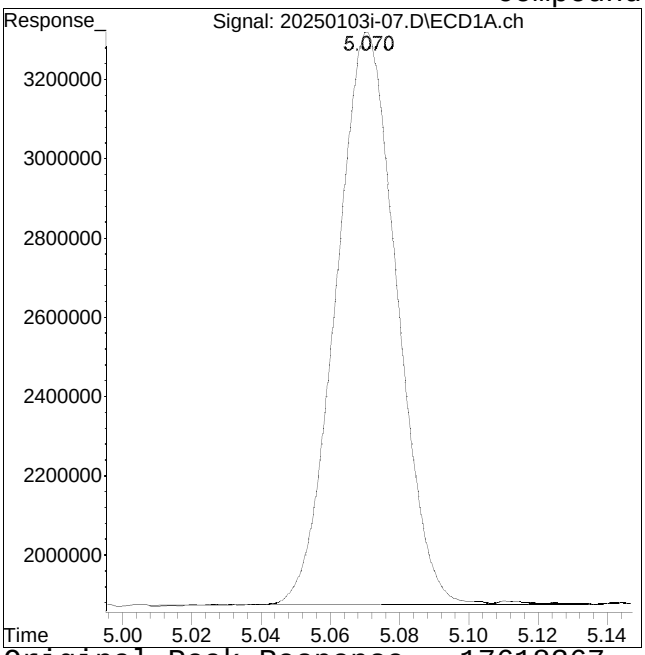
Manual Peak Response = 28812737 M4

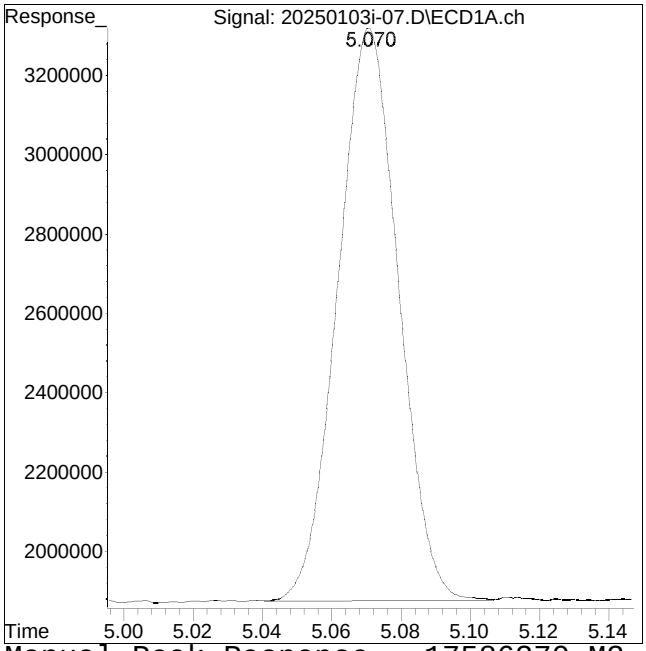
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-07.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:54 Instrument : PEST 20
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:01 am

Compound #18: Endrin





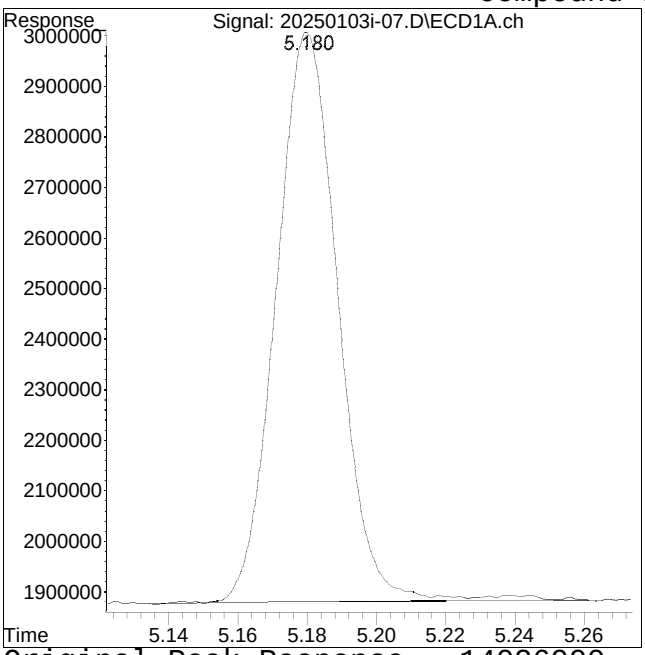
Original Peak Response = 17618367 Manual Peak Response = 17586370 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

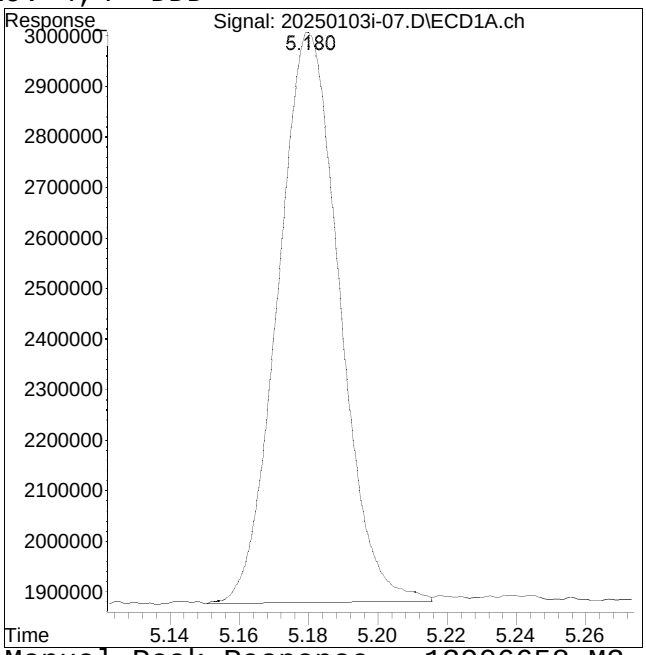
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-07.D
Date Inj'd : 1/3/2025 12:54
Sample : il5pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:01 am

Compound #19: 4,4'-DDD





Original Peak Response = 14026990 Manual Peak Response = 13906658 M3

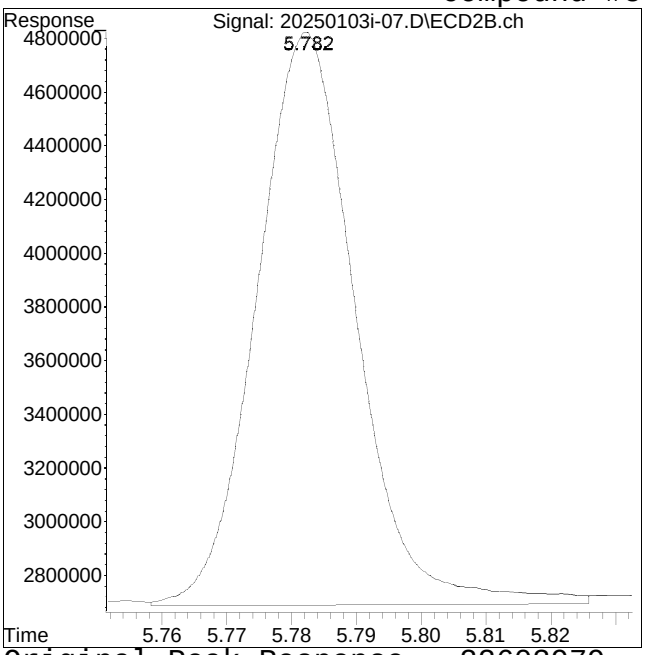
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

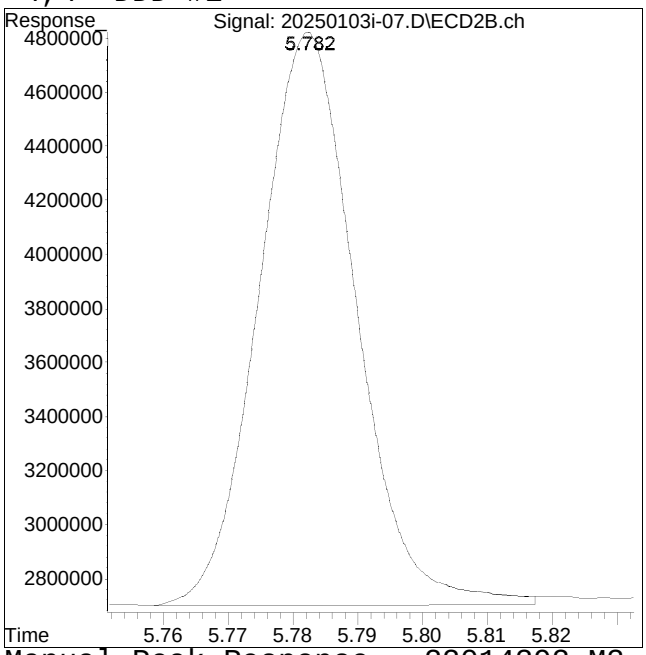
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-07.D
Date Inj'd : 1/3/2025 12:54
Sample : il5pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:01 am

Compound #57: 4,4'-DDD #2





Original Peak Response = 22603979 Manual Peak Response = 22014392 M3

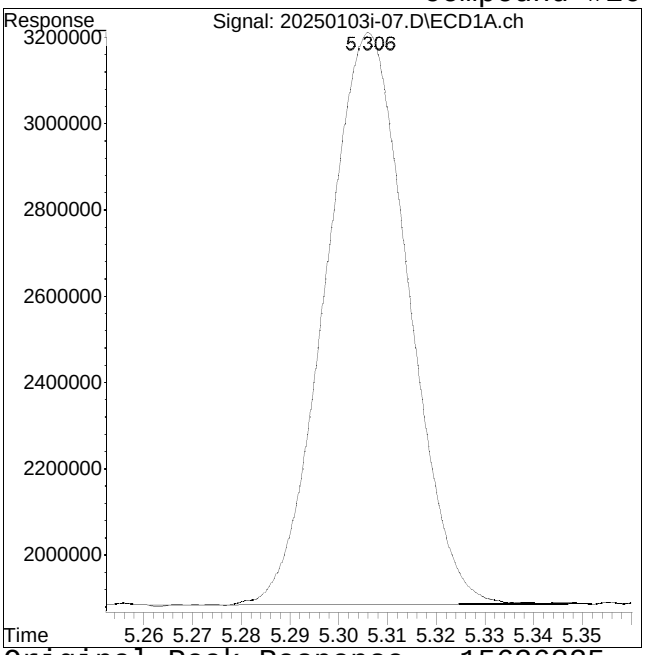
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

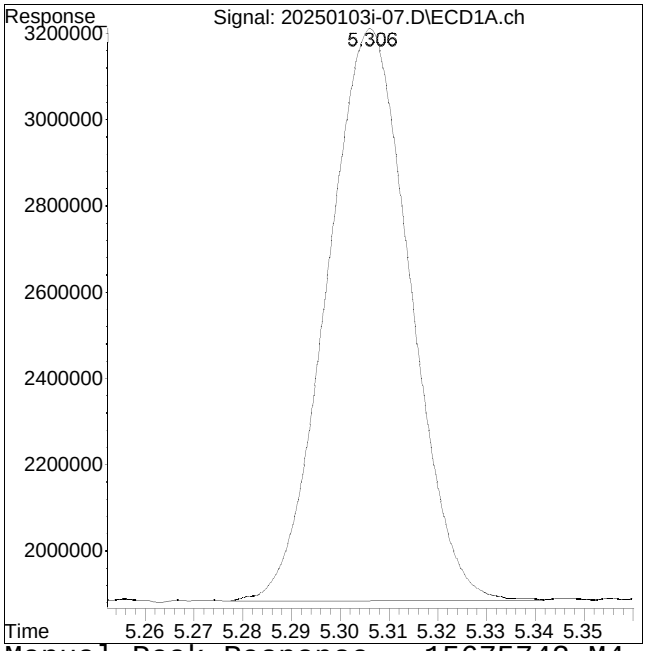
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-07.D
Date Inj'd : 1/3/2025 12:54
Sample : il5pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:01 am

Compound #20: Endosulfan II



Original Peak Response = 15636335



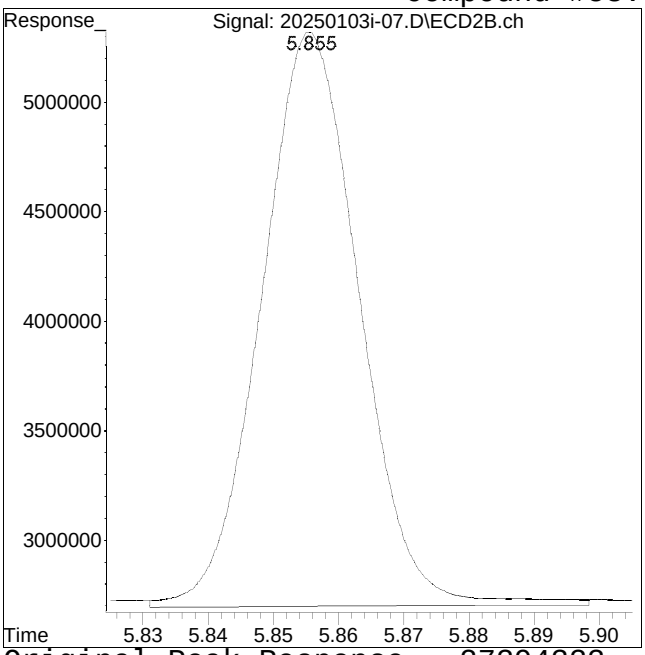
Manual Peak Response = 15675742 M4

M4 = Poor automated baseline construction.

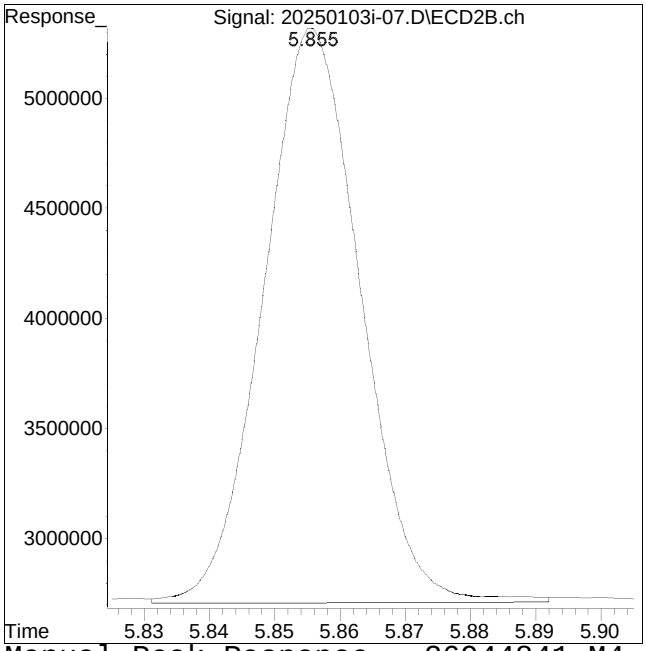
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-07.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:54 Instrument : PEST 20
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:01 am

Compound #58: Endosulfan II #2



Original Peak Response = 27394333



Manual Peak Response = 26944841 M4

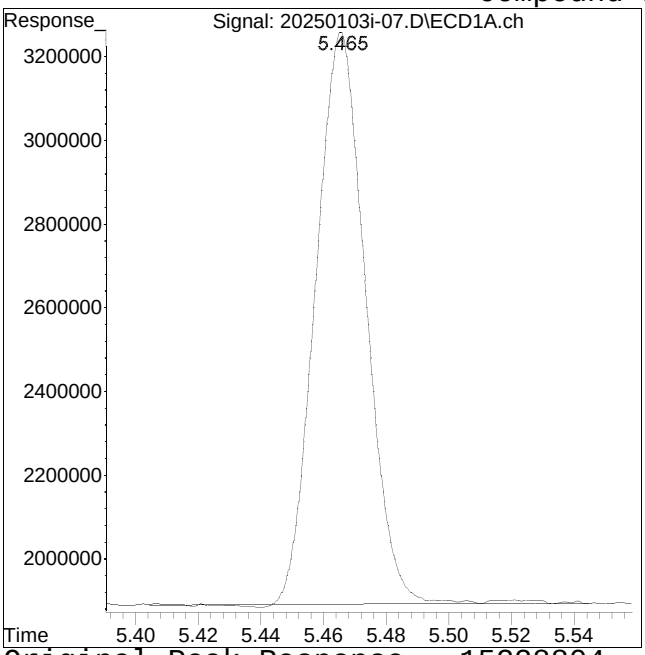
M4 = Poor automated baseline construction.

Manual Integration Report

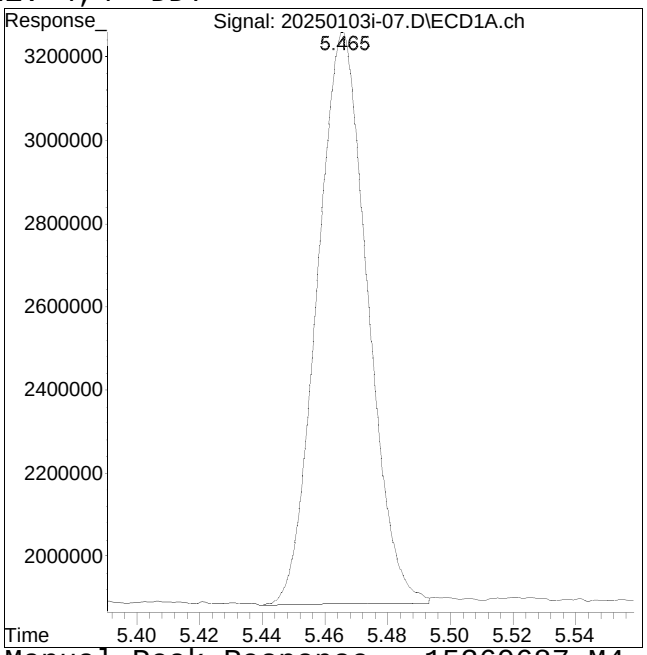
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-07.D
Date Inj'd : 1/3/2025 12:54
Sample : il5pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:01 am

Compound #21: 4,4'-DDT



Original Peak Response = 15228804



Manual Peak Response = 15260687 M4

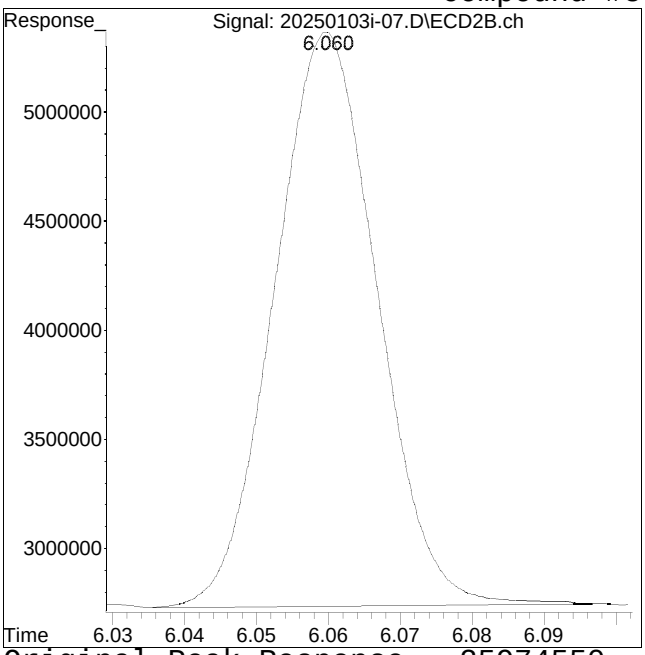
M4 = Poor automated baseline construction.

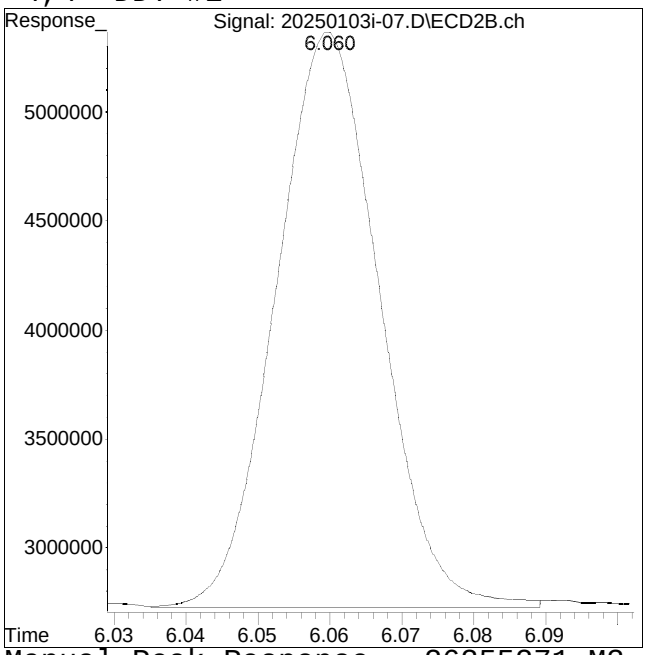
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-07.D
Date Inj'd : 1/3/2025 12:54
Sample : il5pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:01 am

Compound #59: 4,4'-DDT #2





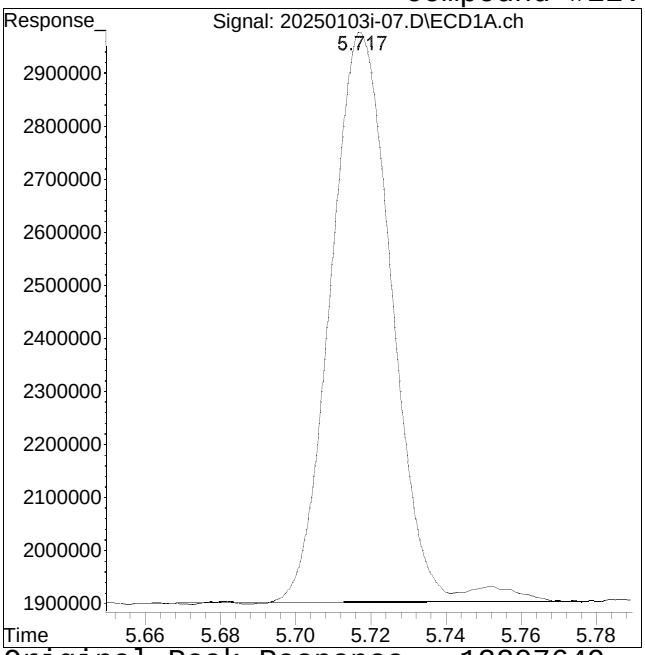
Original Peak Response = 25974550 Manual Peak Response = 26255271 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

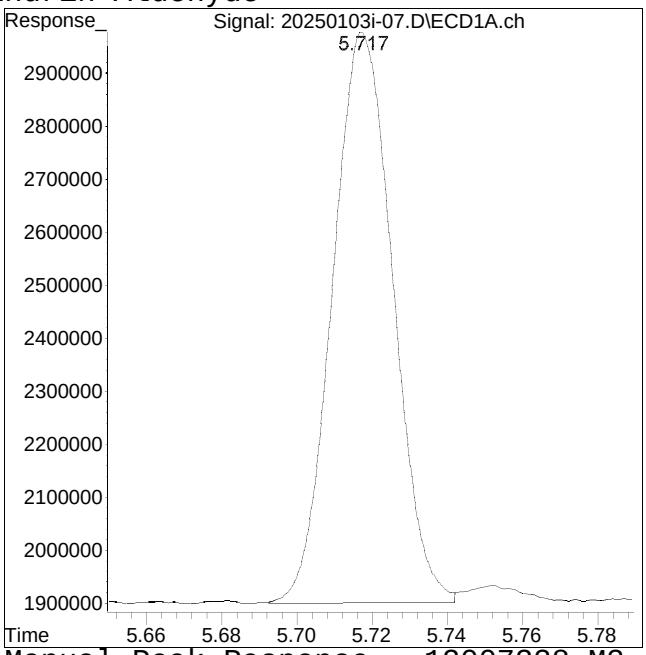
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-07.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:54 Instrument : PEST 20
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:01 am

Compound #22: Endrin Aldehyde



Original Peak Response = 12207649



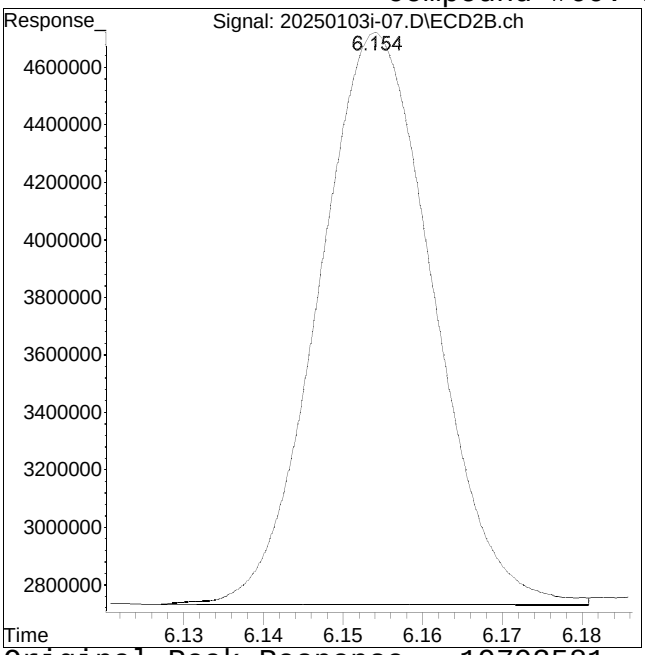
Manual Peak Response = 12007338 M3

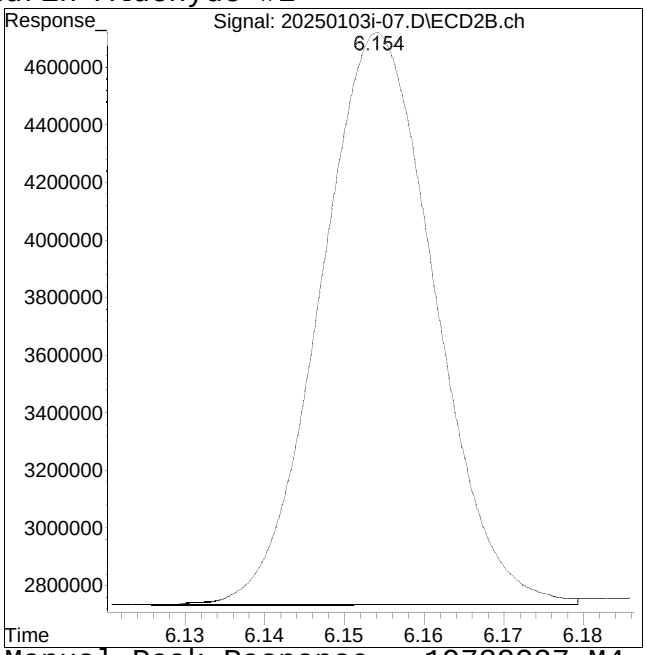
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-07.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:54 Instrument : PEST 20
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:01 am

Compound #60: Endrin Aldehyde #2



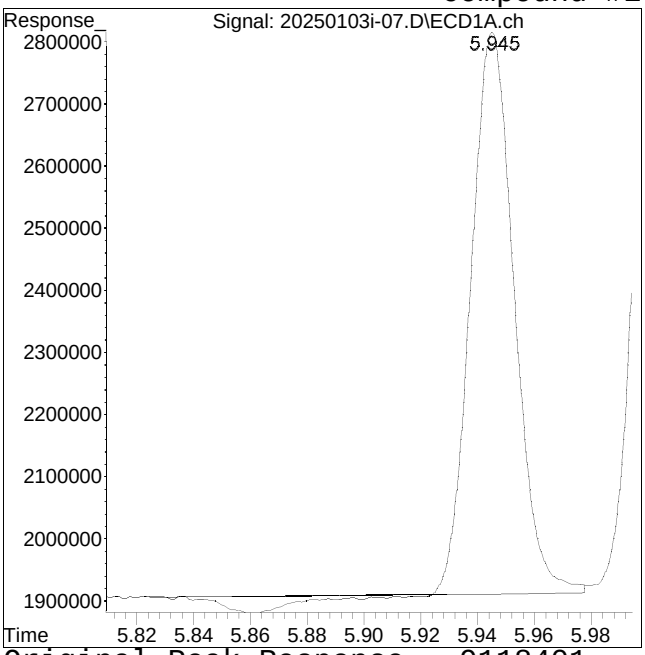


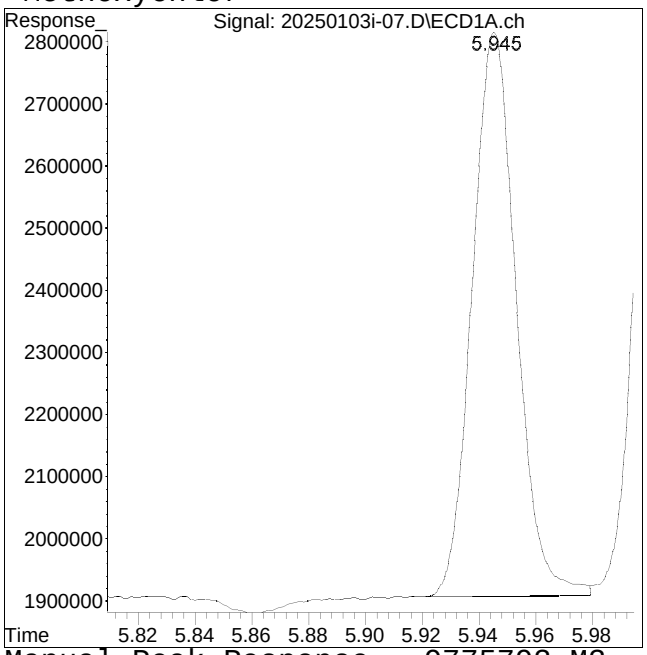
Original Peak Response = 19793581 Manual Peak Response = 19732227 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-07.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:54 Instrument : PEST 20
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:01 am

Compound #23: Methoxychlor



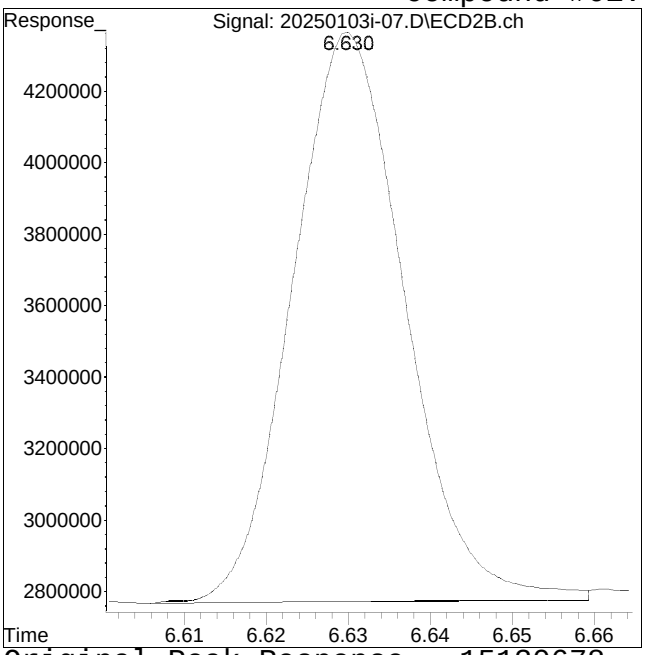


Original Peak Response = 9118401 Manual Peak Response = 9775793 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

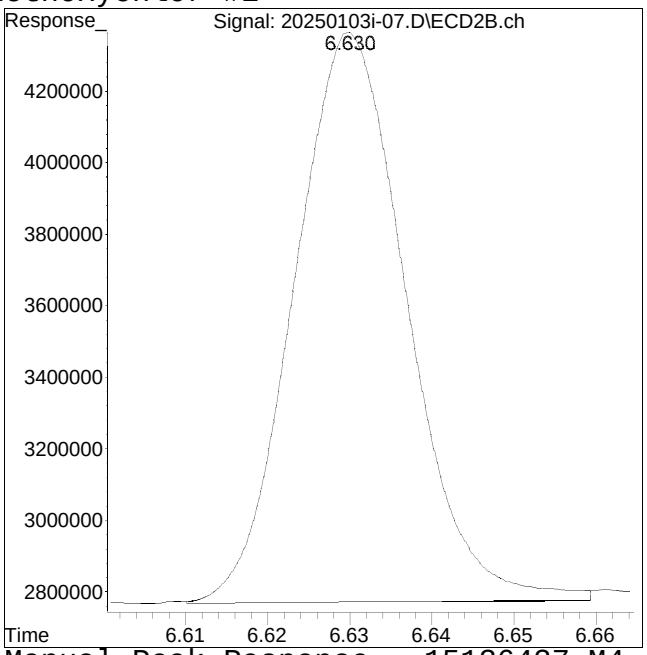
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-07.D
Date Inj'd : 1/3/2025 12:54
Sample : il5pest,42e,,pp 11941 L0.0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:01 am

Compound #61: Methoxychlor #2



Original Peak Response = 15130678



Manual Peak Response = 15136437 M4

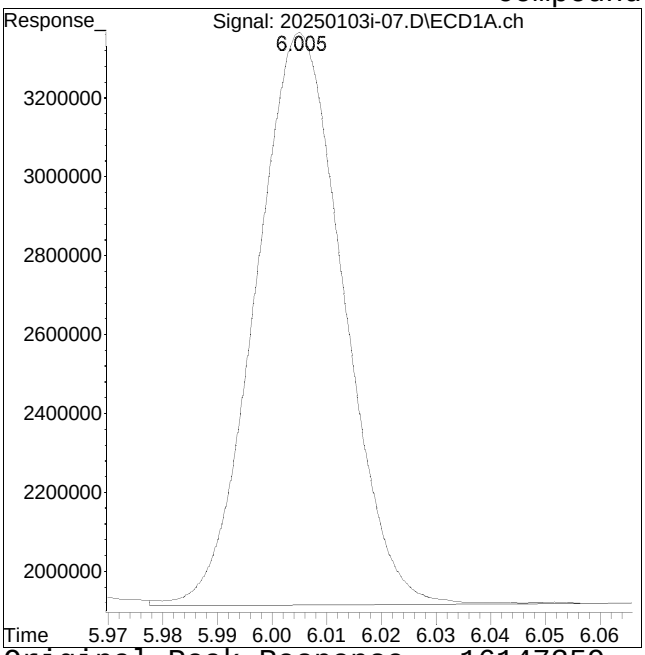
M4 = Poor automated baseline construction.

Manual Integration Report

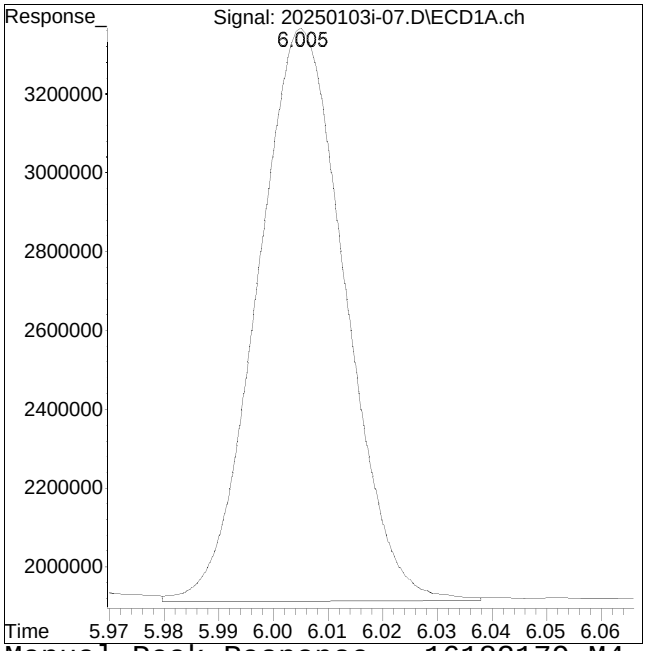
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-07.D
Date Inj'd : 1/3/2025 12:54
Sample : il5pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:01 am

Compound #24: Mirex



Original Peak Response = 16147359



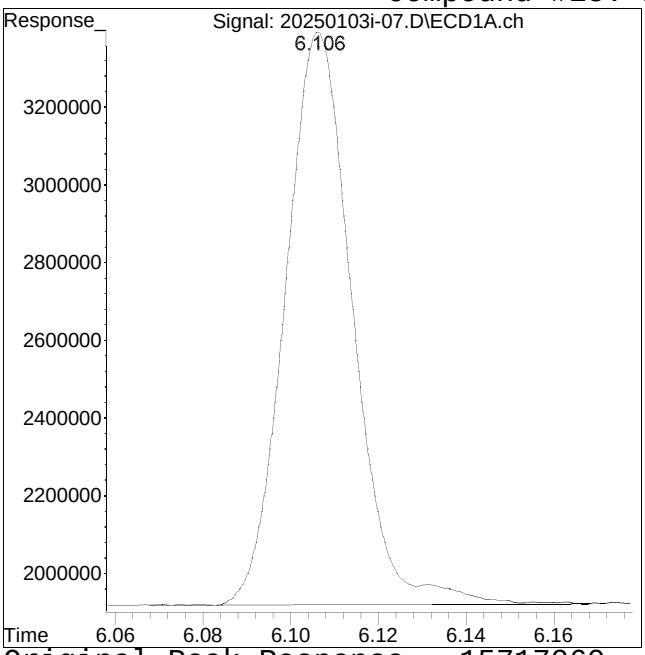
Manual Peak Response = 16182179 M4

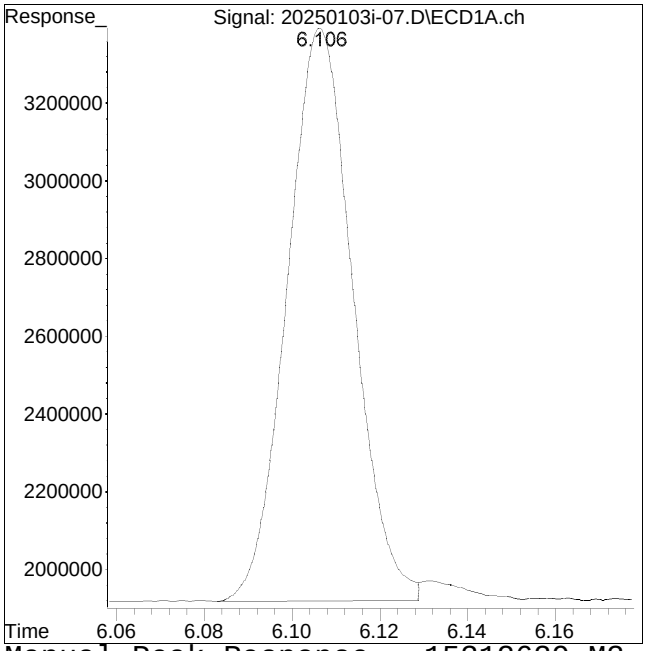
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-07.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:54 Instrument : PEST 20
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:01 am

Compound #25: Endosulfan Sulfate



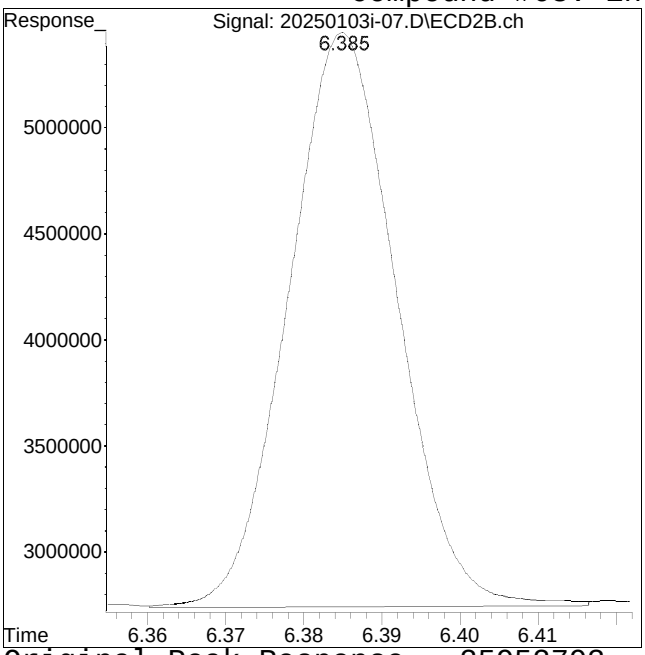


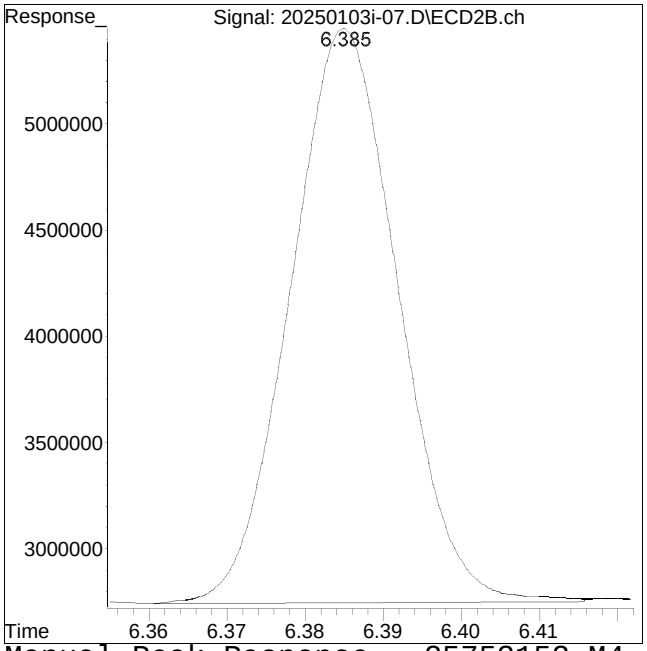
Original Peak Response = 15717060 Manual Peak Response = 15312629 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-07.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:54 Instrument : PEST 20
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:01 am

Compound #63: Endosulfan Sulfate #2



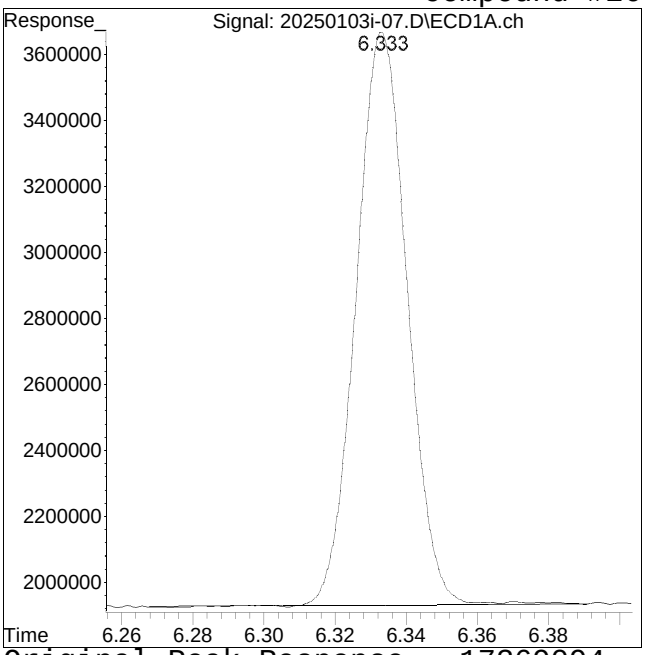


Original Peak Response = 25952793 Manual Peak Response = 25753152 M4
M4 = Poor automated baseline construction.

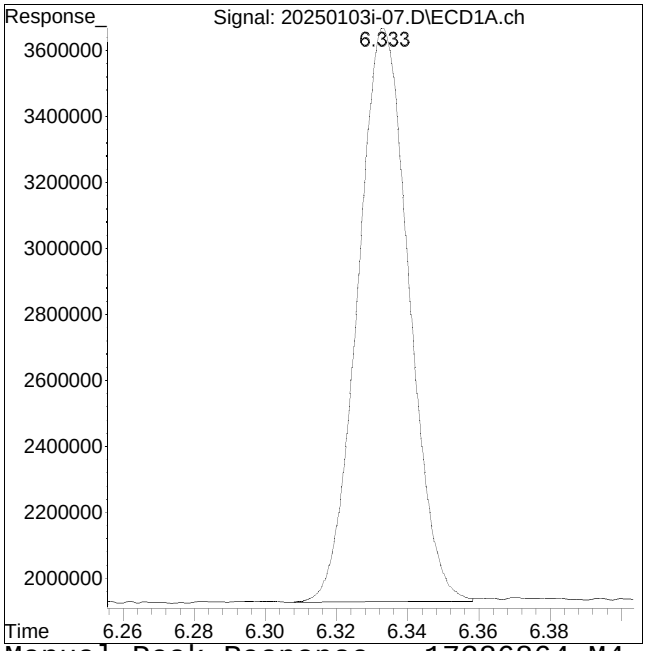
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-07.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:54 Instrument : PEST 20
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:01 am

Compound #26: Endrin Ketone



Original Peak Response = 17369094



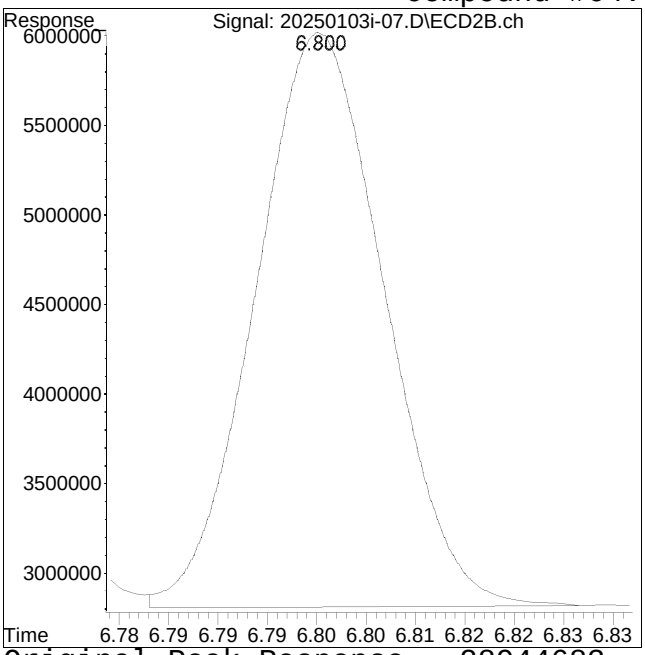
Manual Peak Response = 17386864 M4

M4 = Poor automated baseline construction.

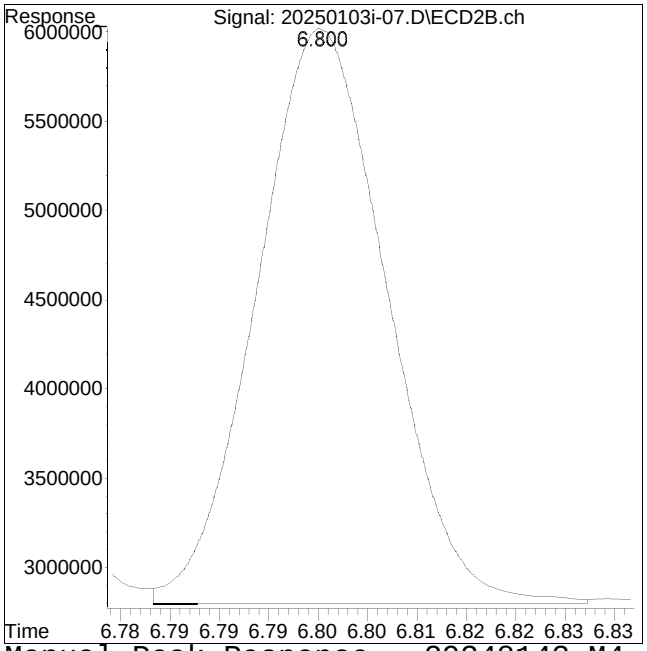
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-07.D
Date Inj'd : 1/3/2025 12:54
Sample : il5pest,42e,,pp 11941 L0.0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:01 am

Compound #64: Endrin Ketone #2



Original Peak Response = 28944683



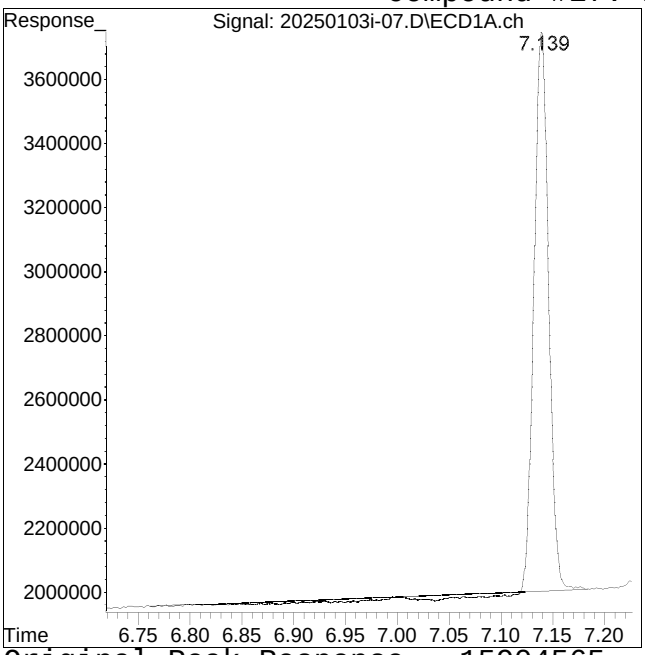
Manual Peak Response = 29348143 M4

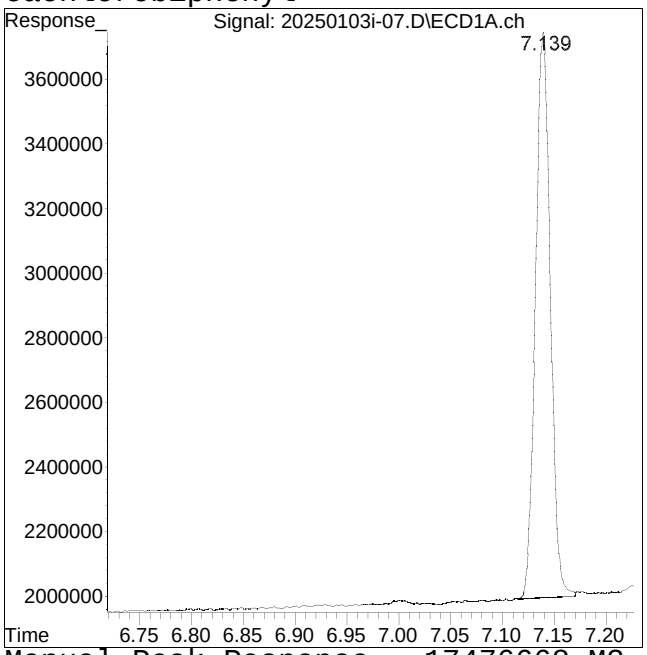
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-07.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 12:54 Instrument : PEST 20
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 10:01 am

Compound #27: Decachlorobiphenyl





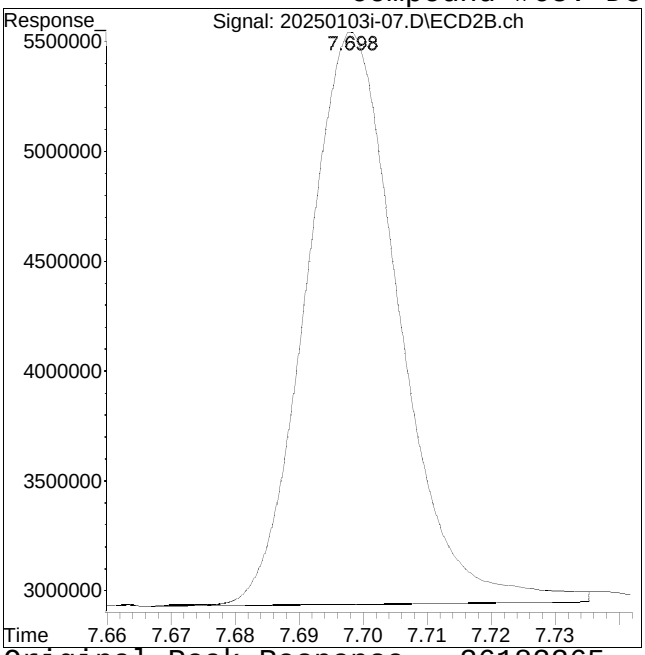
Original Peak Response = 15904565 Manual Peak Response = 17476668 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

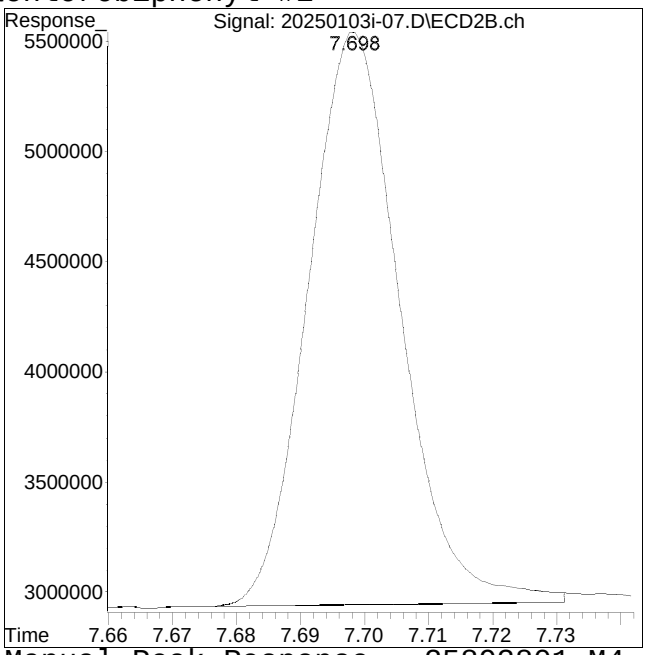
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-07.D
Date Inj'd : 1/3/2025 12:54
Sample : il5pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 10:01 am

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 26182265



Manual Peak Response = 25893801 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-08.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 13:06
Operator : pest20:ejl
Sample : il7pest,42e,,pp 11941 L0.01
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 09:53:10 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 09:53:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
		Internal Standards						
1)	i	1-br-2-nb_Pe	1.801	1.852	83167001	154.2E6	25.000M4	25.000M3
28)	i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33)	i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
		System Monitoring Compounds						
2)	s	2,4,5,6-Tetr	2.260	2.434	38602646	68792069	10.825M3	10.829M4
		Spiked Amount 50.000	Range 30 - 150		Recovery =		21.65%#	21.66%#
27)	s	Decachlorobi	7.139	7.699	39163963	59279425	11.904M3	11.623M3
		Spiked Amount 50.000	Range 30 - 150		Recovery =		23.81%#	23.25%#
		Target Compounds						
3)		Hexachlorobe	2.518	2.795	41701791	73117312	11.320M3	11.214
4)		alpha-BHC	2.636	2.903	46873993	85365411	9.767M3	9.590M4
5)		gamma-BHC (l	2.871	3.212	43919459	79849391	10.104M3	9.895
6)		beta-BHC	2.939	3.289	22111650	39172530	11.414M3	10.927
7)		delta-BHC	3.082	3.570	43848772	78235560	9.797M4	9.455
8)		Heptachlor	3.262	3.631	44305039	79502864	10.761M3	10.685
9)		Aldrin	3.528	3.963	41918946	73162609	10.326M4	10.117M4
10)		Alachlor	3.672	3.855	8062912	12661460	12.446M3	11.875
11)		Chlorpyrifos	3.772	4.223	23340580	40492368	12.910M3	12.136M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-08.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 13:06
Operator : pest20:ejl
Sample : il7pest,42e,,pp 11941 L0.01
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 09:53:10 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 09:53:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)		Heptachlor E	4.122	4.604	41105559	71979880	10.908M4	10.438
13)		gamma-Chlord	4.254	4.833	36898934	64712390	10.590M4	10.319
14)		alpha-Chlord	4.398	5.003	42480334	73153074	10.785M3	10.536
15)		4,4'-DDE	4.505	5.205	40610974	67559176	10.031M3	9.886M4
16)		Endosulfan I	4.542	5.062	39522210	68769871	10.900M4	10.527
17)		Dieldrin	4.818	5.355	40366458	69558655	10.427M4	10.056M4
18)		Endrin	5.071	5.654	41607922	73636169	10.543M4	10.417M4
19)		4,4'-DDD	5.180	5.782	32887065	53786202	10.199M3	9.801M4
20)		Endosulfan I	5.306	5.856	36515099	64020346	10.829	10.606M4
21)		4,4'-DDT	5.466	6.060	35554947	63344141	10.226M3	10.172M4
22)		Endrin Aldeh	5.717	6.155	29463670	49426640	10.286M3	9.729
23)		Methoxychlor	5.945	6.630	22247315	36212259	12.182M4	11.501M3
24)		Mirex	6.006	6.764	36064694	58762802	12.221M4	11.798M3
25)		Endosulfan S	6.107	6.385	35226938	60397991	11.263M3	10.708M4
26)		Endrin Keton	6.334	6.801	40533053	70348240	11.168M3	10.768M4
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-08.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 13:06
Operator : pest20:ejl
Sample : il7pest,42e,,pp 11941 L0.01
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 09:53:10 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 09:53:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

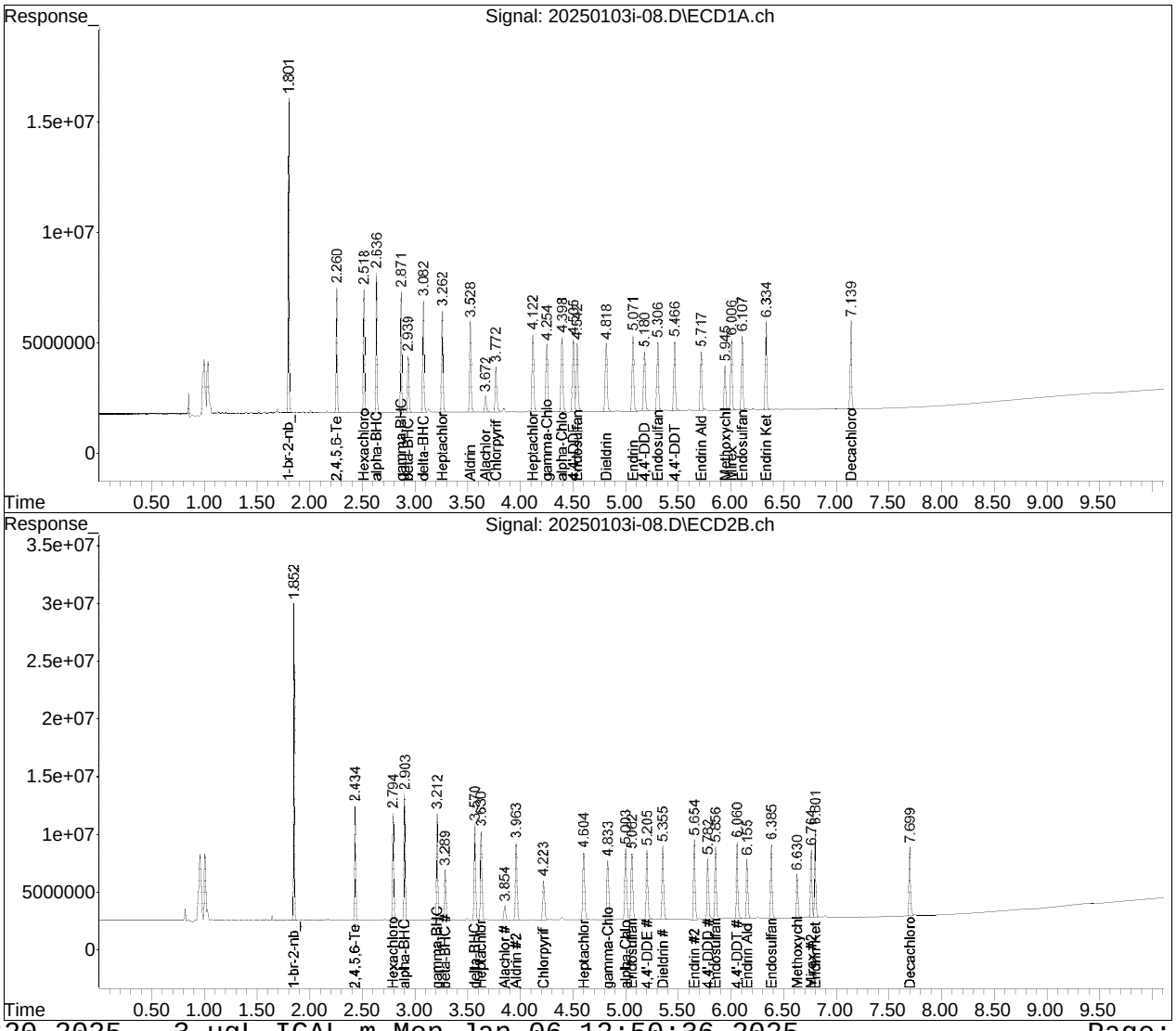
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-08.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 13:06
Operator : pest20:ejl
Sample : il7pest,42e,,pp 11941 L0.01
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 09:53:10 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 09:53:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

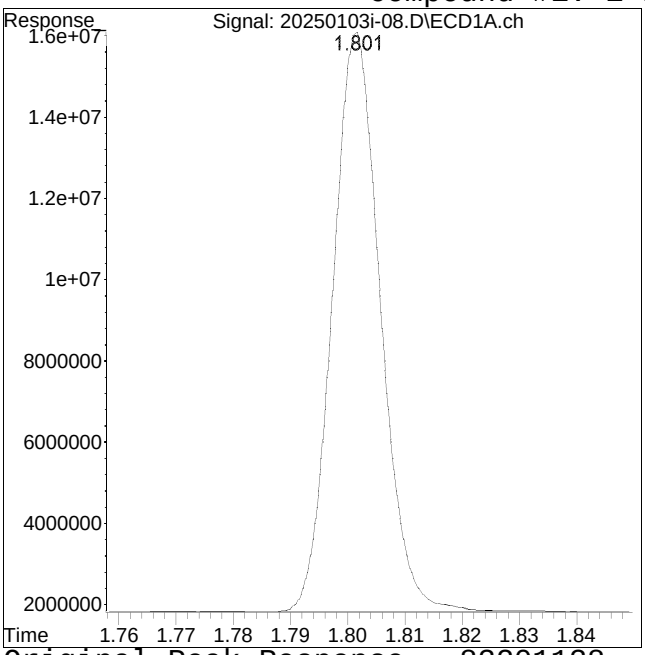


Manual Integration Report

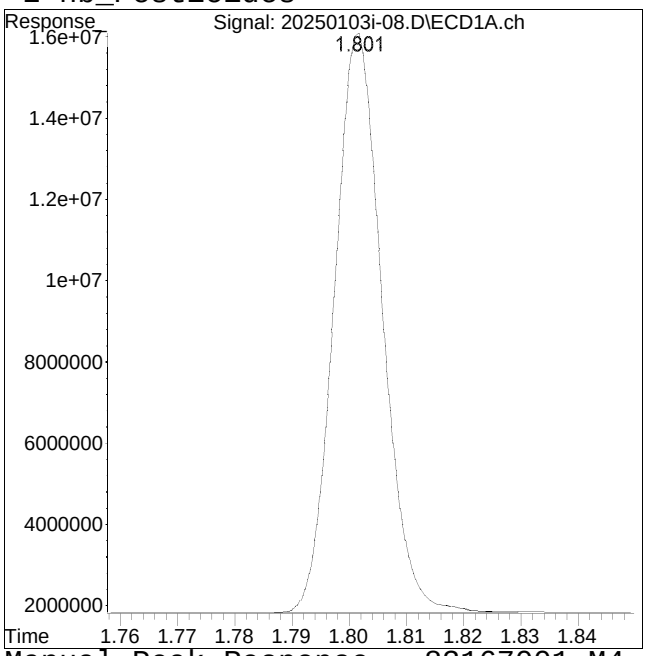
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-08.D
Date Inj'd : 1/3/2025 13:06
Sample : il7pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:53 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 83201138



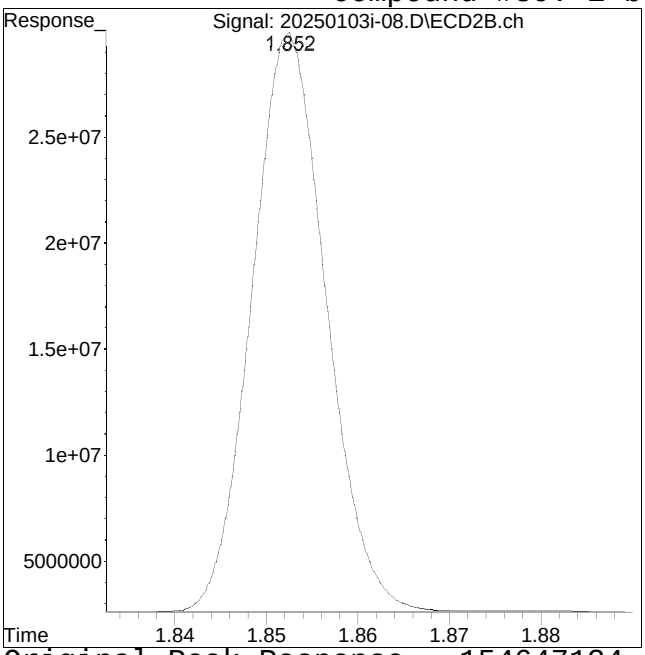
Manual Peak Response = 83167001 M4

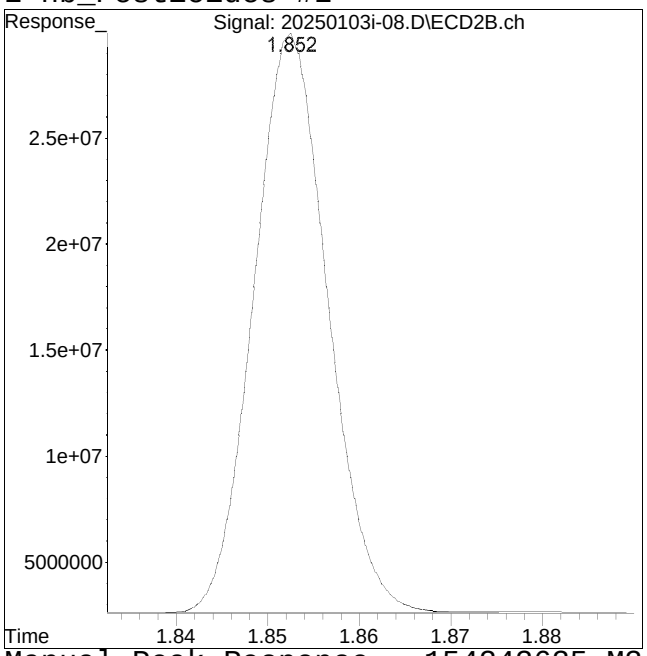
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-08.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:06 Instrument : PEST 20
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 9:53 am

Compound #39: 1-br-2-nb_Pesticides #2



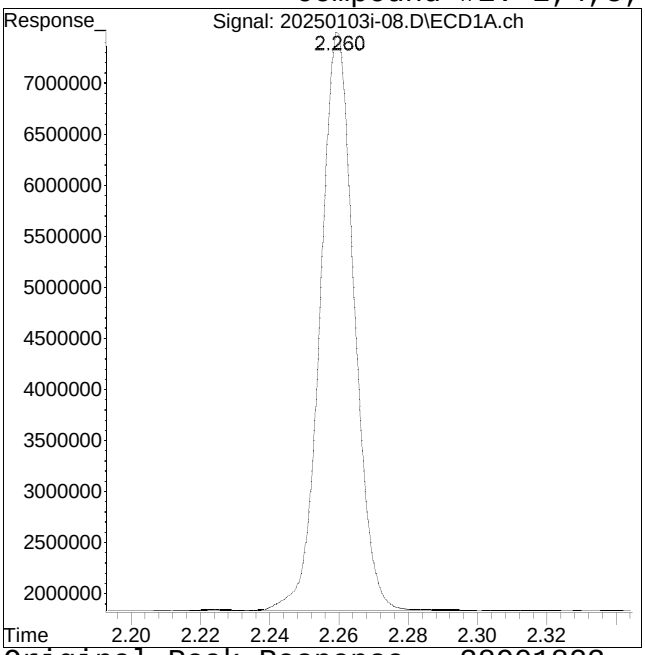


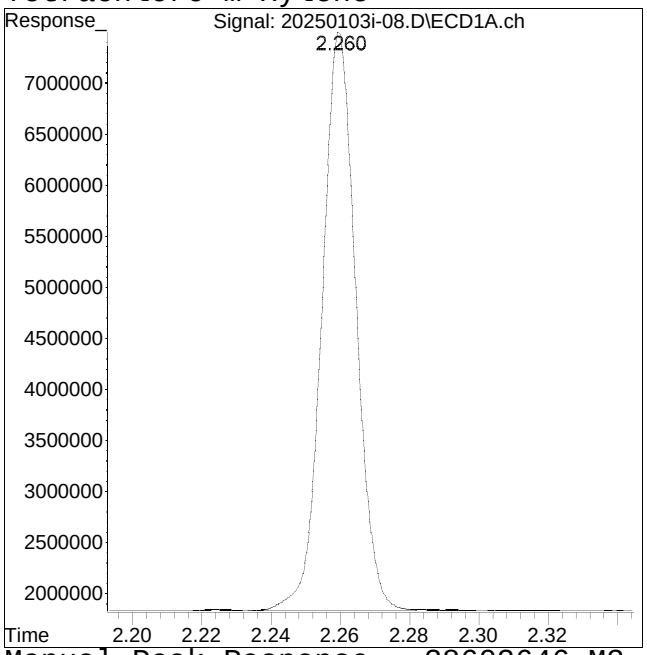
Original Peak Response = 154647124 Manual Peak Response = 154243635 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-08.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:06 Instrument : PEST 20
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 9:53 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene





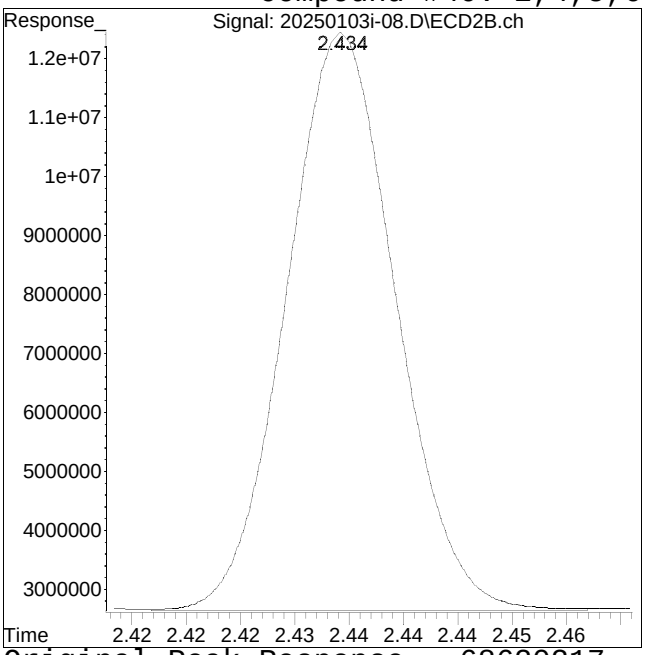
Original Peak Response = 38901823 Manual Peak Response = 38602646 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

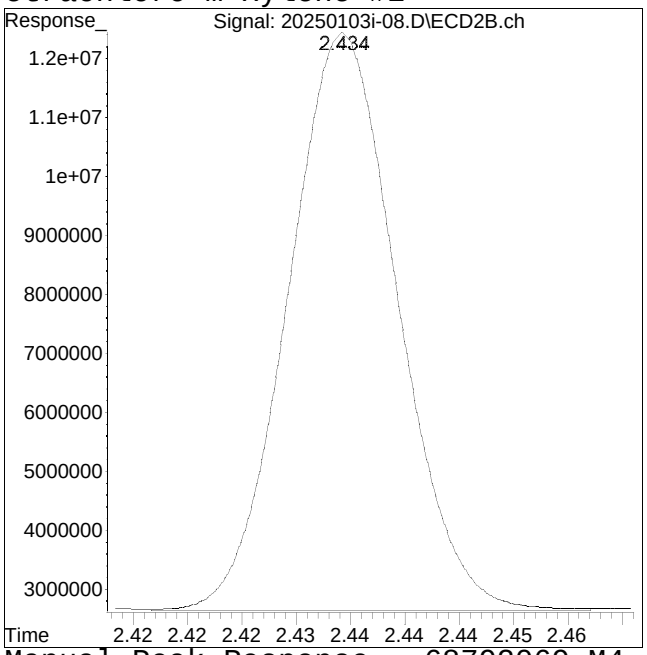
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-08.D
Date Inj'd : 1/3/2025 13:06
Sample : il7pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:53 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 68620217



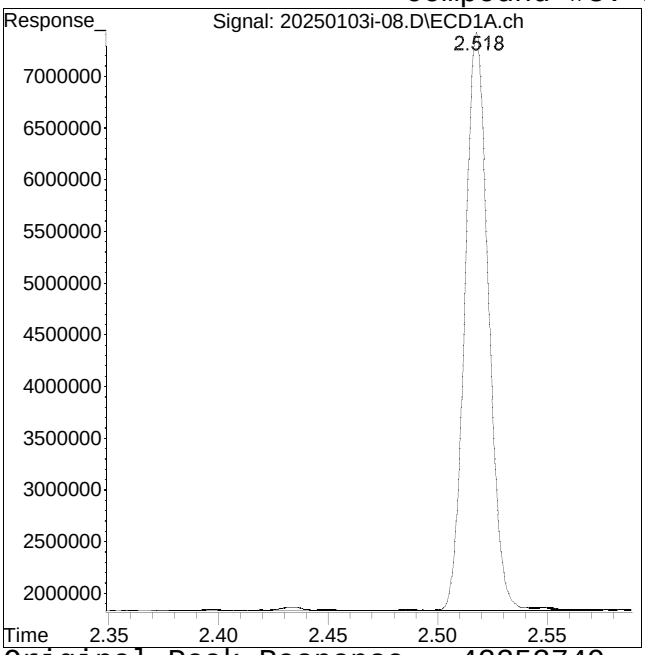
Manual Peak Response = 68792069 M4

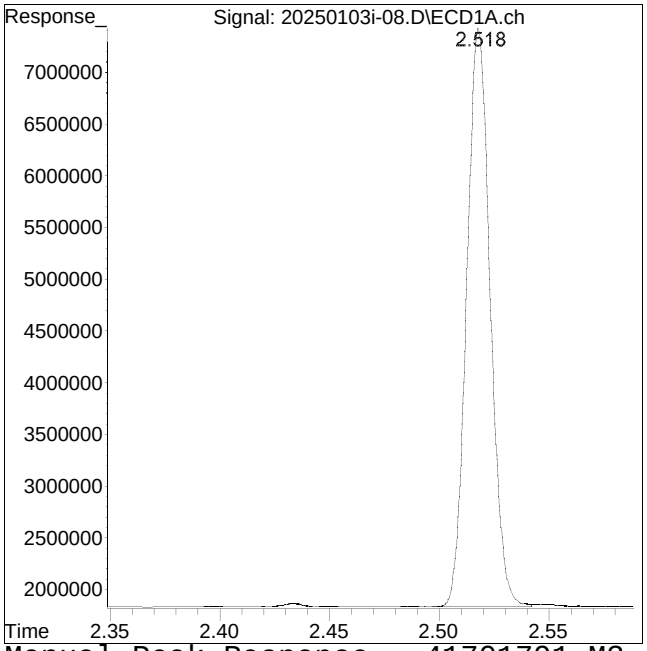
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-08.D
Date Inj'd : 1/3/2025 13:06
Sample : il7pest,42e,,pp 11941 L0.0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:53 am

Compound #3: Hexachlorobenzene





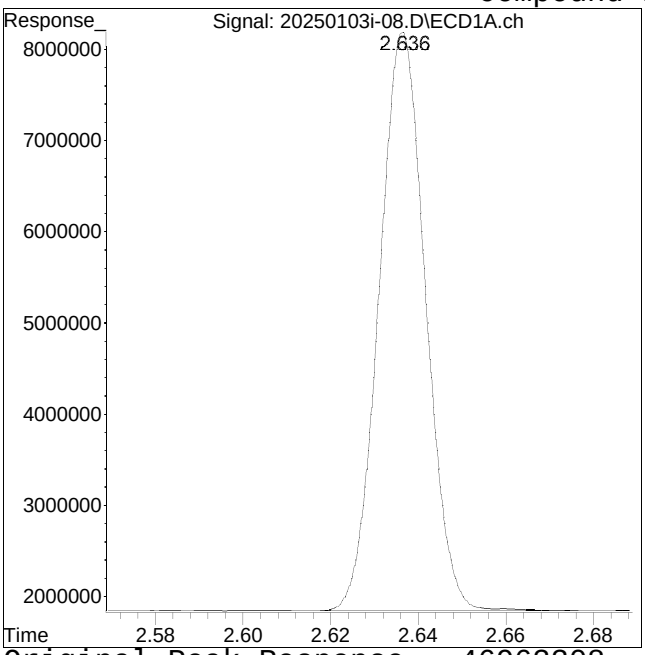
Original Peak Response = 42353749 Manual Peak Response = 41701791 M3

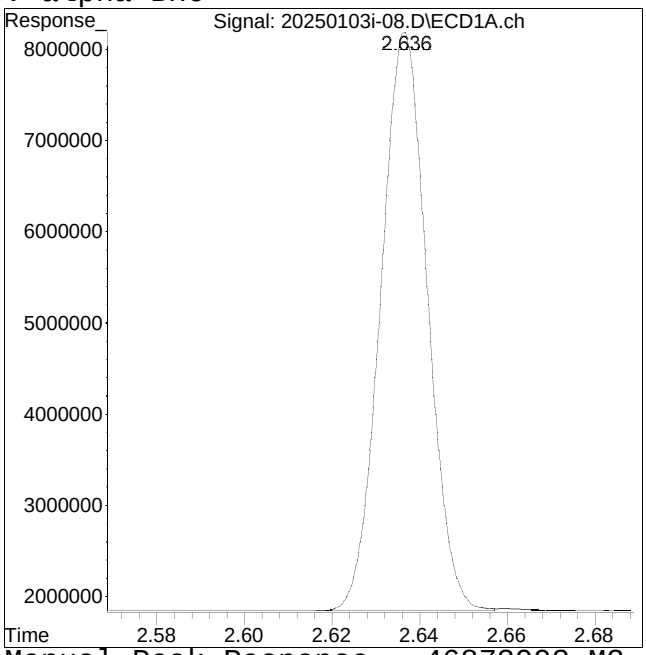
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-08.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:06 Instrument : PEST 20
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 9:53 am

Compound #4: alpha-BHC





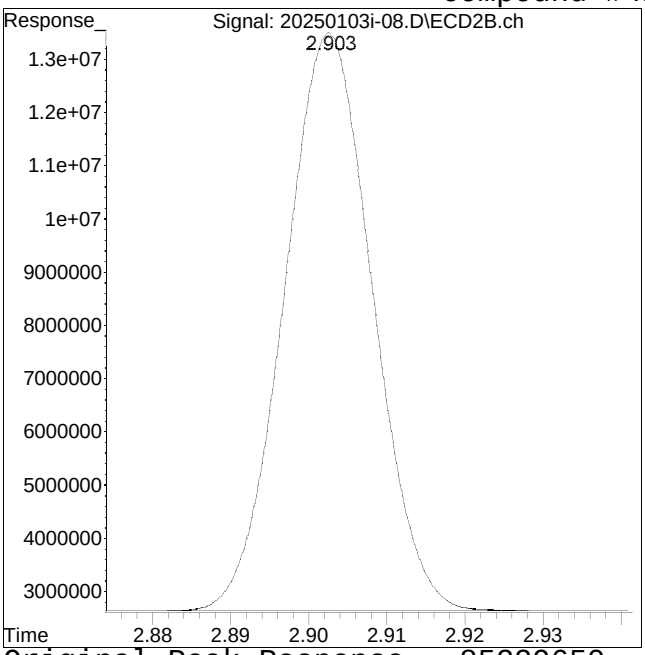
Original Peak Response = 46963308 Manual Peak Response = 46873993 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

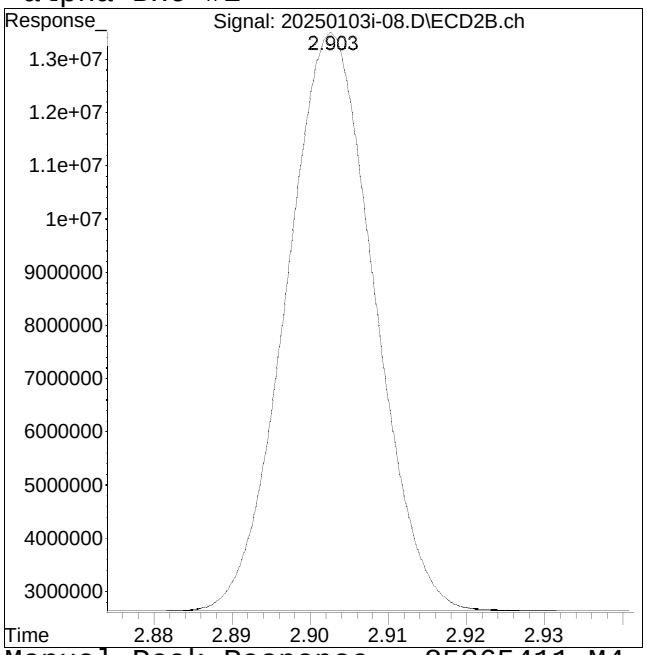
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-08.D
Date Inj'd : 1/3/2025 13:06
Sample : il7pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:53 am

Compound #42: alpha-BHC #2



Original Peak Response = 85229650



Manual Peak Response = 85365411 M4

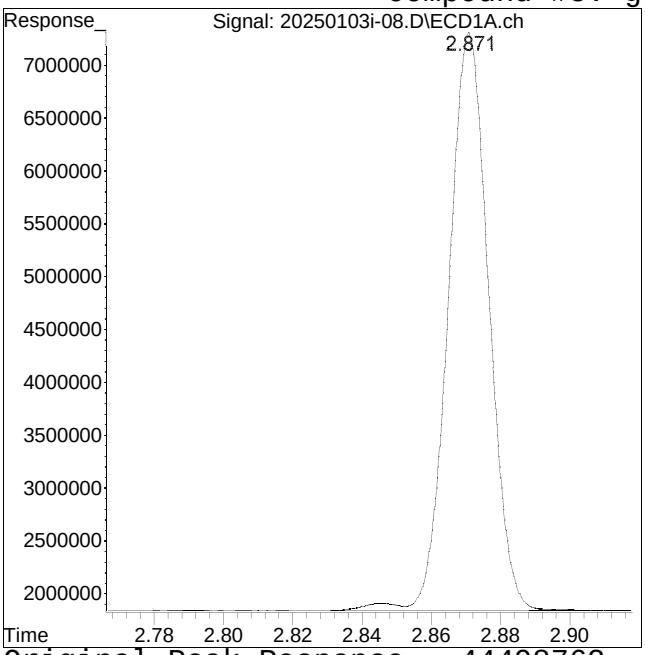
M4 = Poor automated baseline construction.

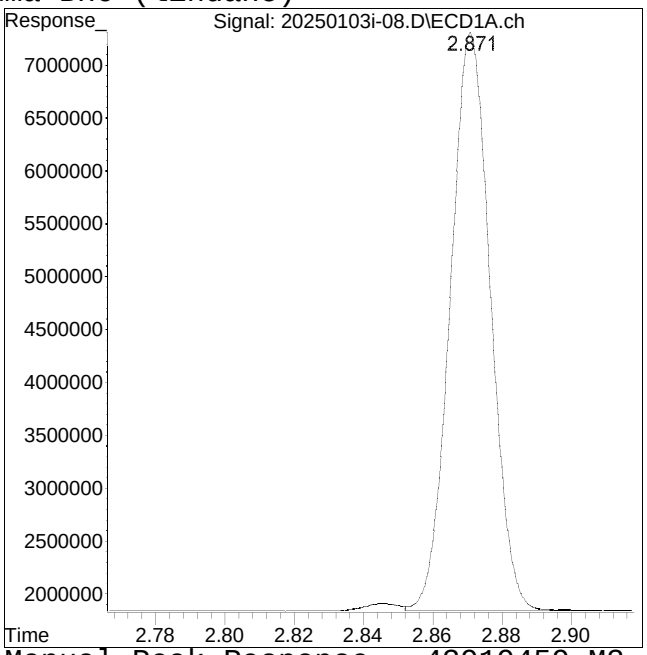
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-08.D
Date Inj'd : 1/3/2025 13:06
Sample : il7pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:53 am

Compound #5: gamma-BHC (lindane)





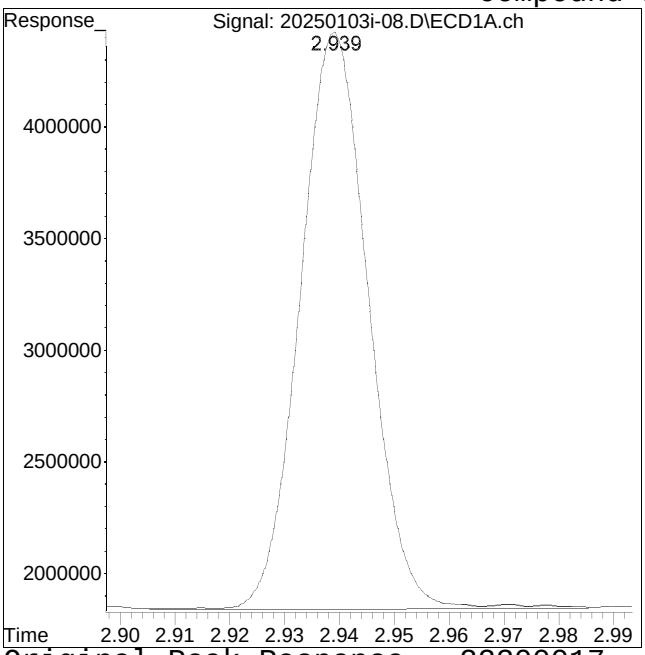
Original Peak Response = 44498762 Manual Peak Response = 43919459 M3

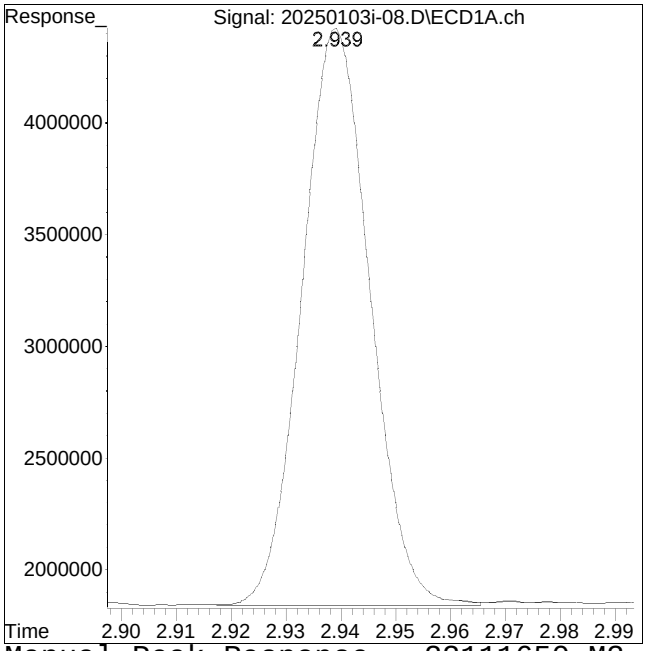
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-08.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:06 Instrument : PEST 20
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 9:53 am

Compound #6: beta-BHC





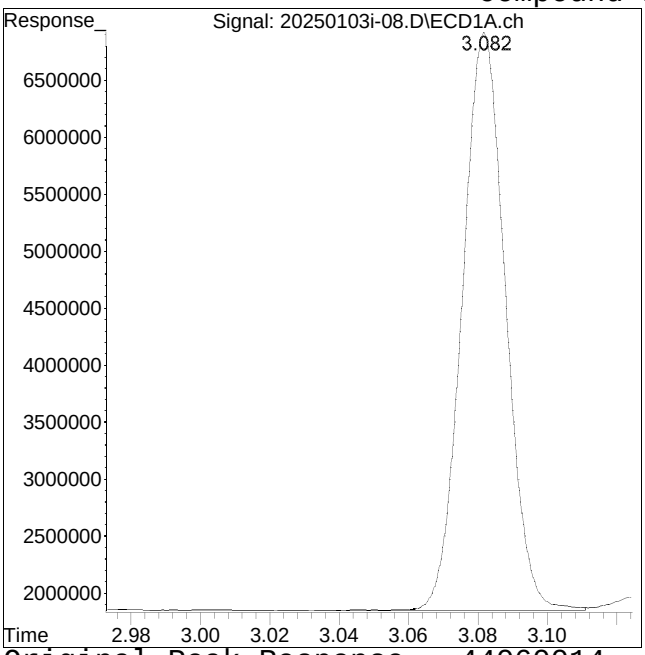
Original Peak Response = 22300017 Manual Peak Response = 22111650 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

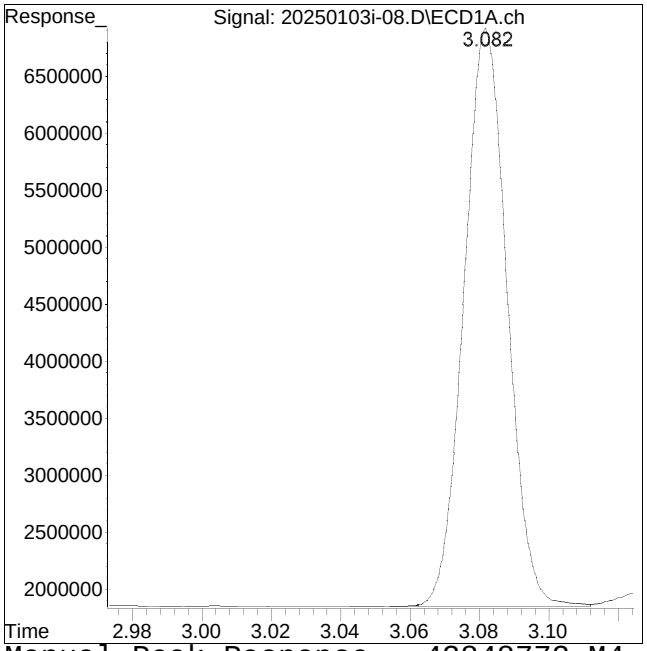
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-08.D
Date Inj'd : 1/3/2025 13:06
Sample : il7pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:53 am

Compound #7: delta-BHC



Original Peak Response = 44060014



Manual Peak Response = 43848772 M4

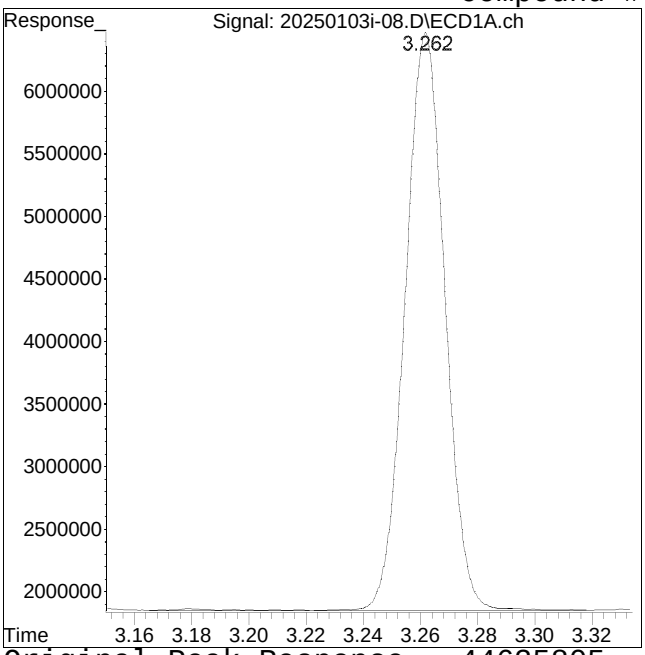
M4 = Poor automated baseline construction.

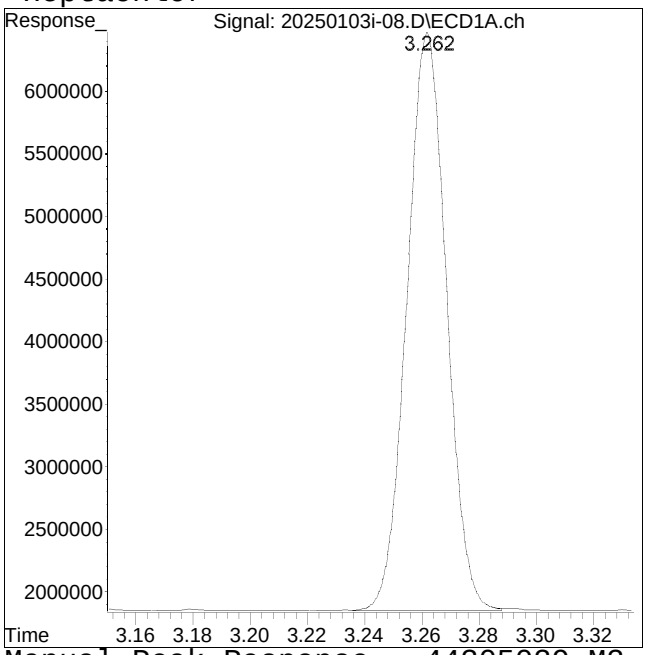
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-08.D
Date Inj'd : 1/3/2025 13:06
Sample : il7pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:53 am

Compound #8: Heptachlor





Original Peak Response = 44635805 Manual Peak Response = 44305039 M3

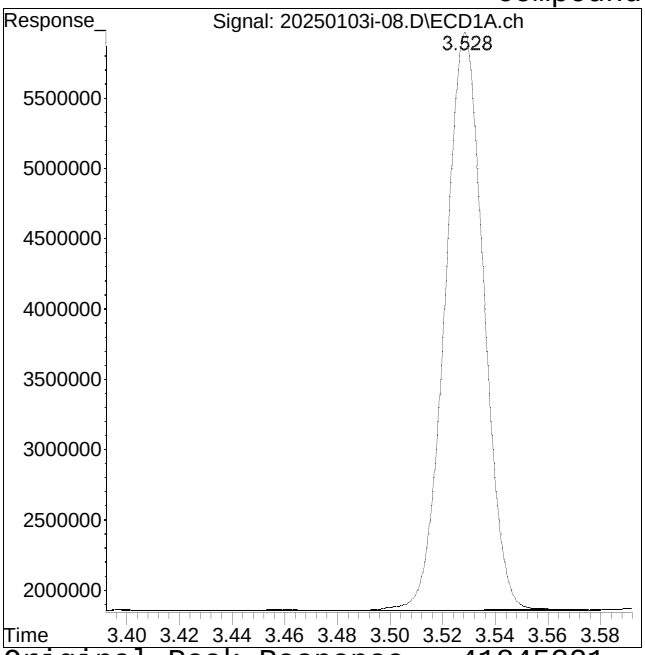
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

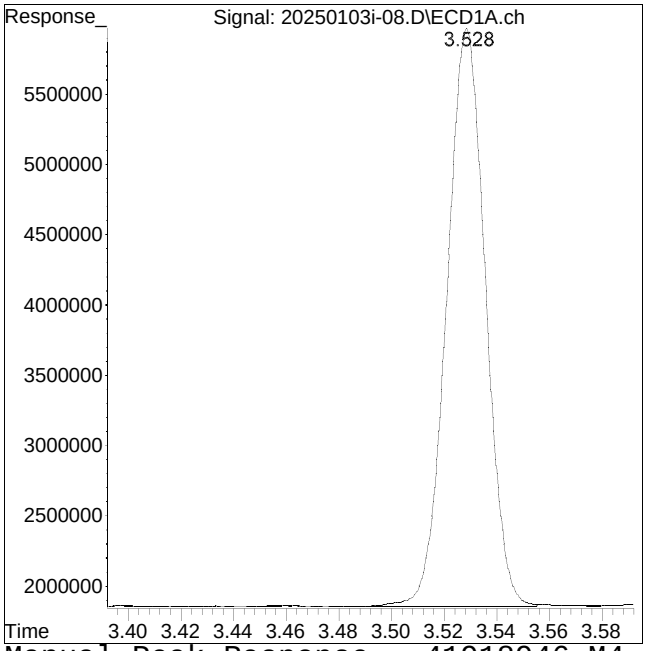
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-08.D
Date Inj'd : 1/3/2025 13:06
Sample : il7pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:53 am

Compound #9: Aldrin





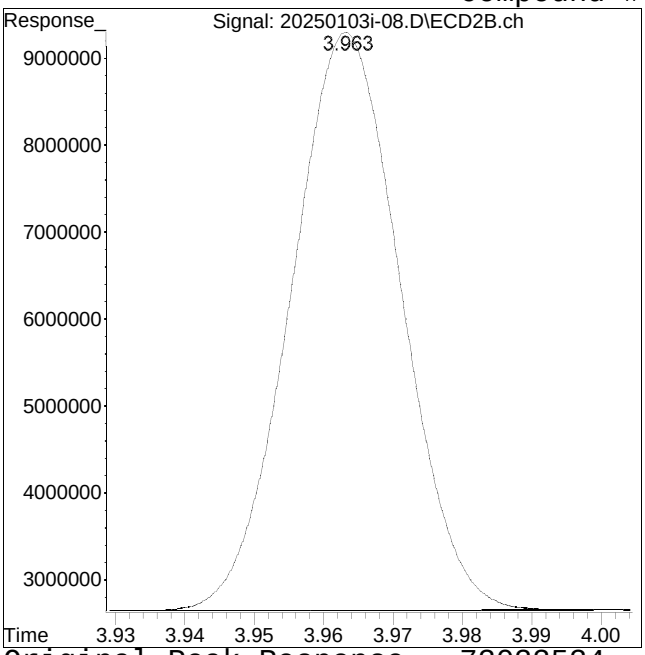
Original Peak Response = 41845321 Manual Peak Response = 41918946 M4
M4 = Poor automated baseline construction.

Manual Integration Report

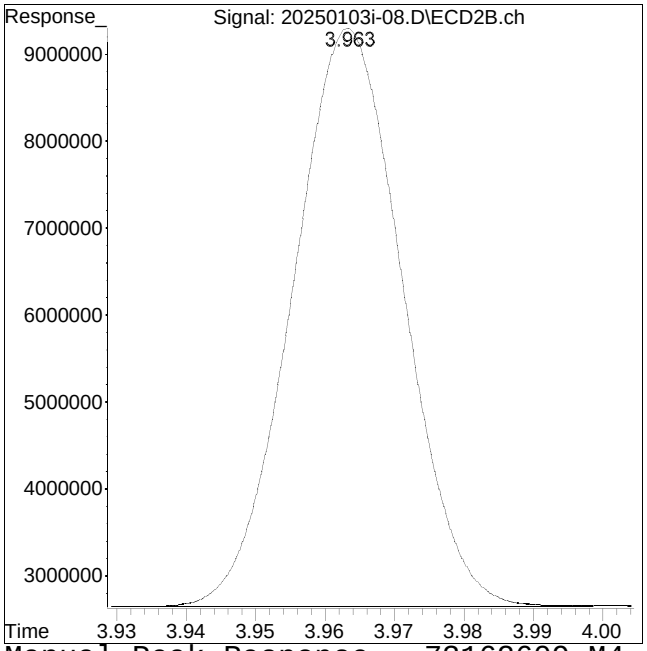
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-08.D
Date Inj'd : 1/3/2025 13:06
Sample : il7pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:53 am

Compound #47: Aldrin #2



Original Peak Response = 73033534



Manual Peak Response = 73162609 M4

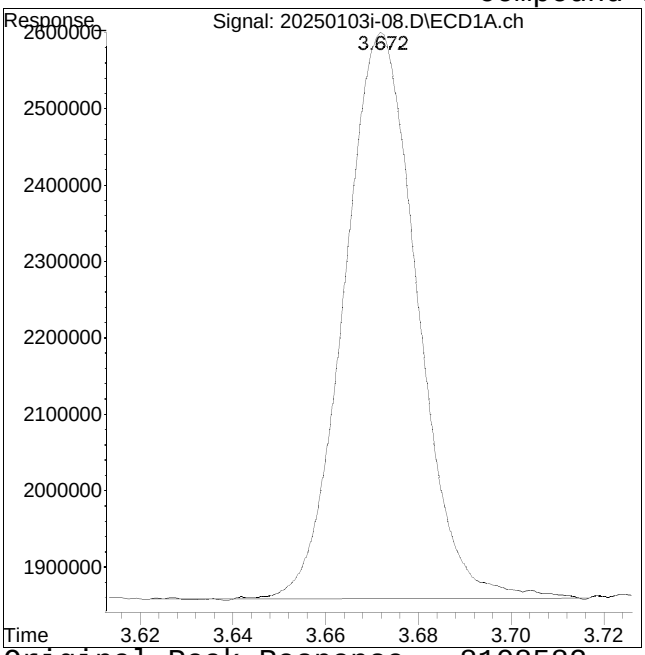
M4 = Poor automated baseline construction.

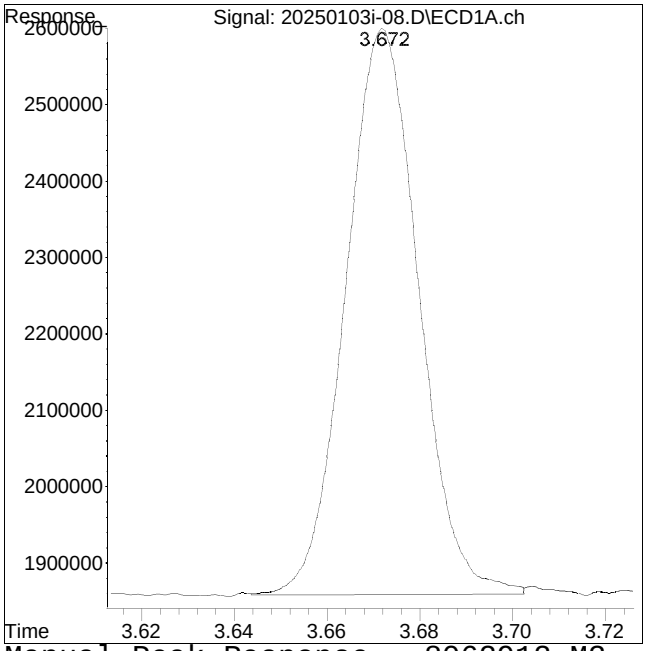
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-08.D
Date Inj'd : 1/3/2025 13:06
Sample : il7pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:53 am

Compound #10: Alachlor





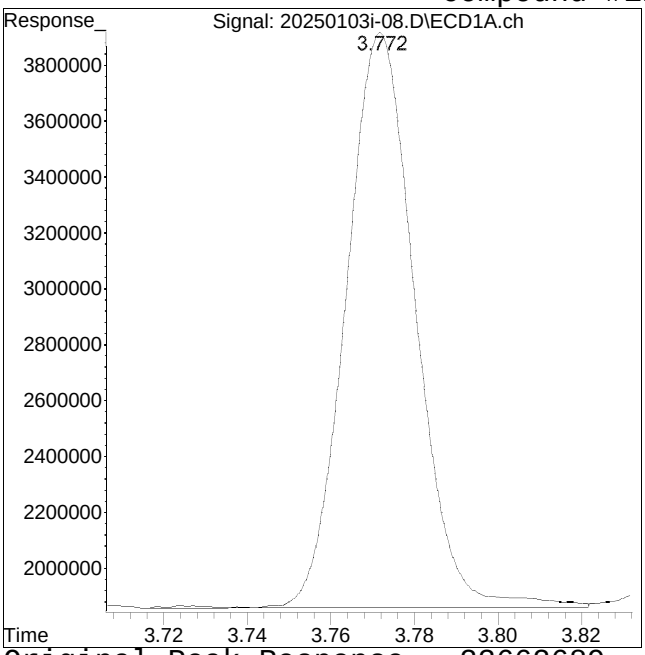
Original Peak Response = 8108582 Manual Peak Response = 8062912 M3

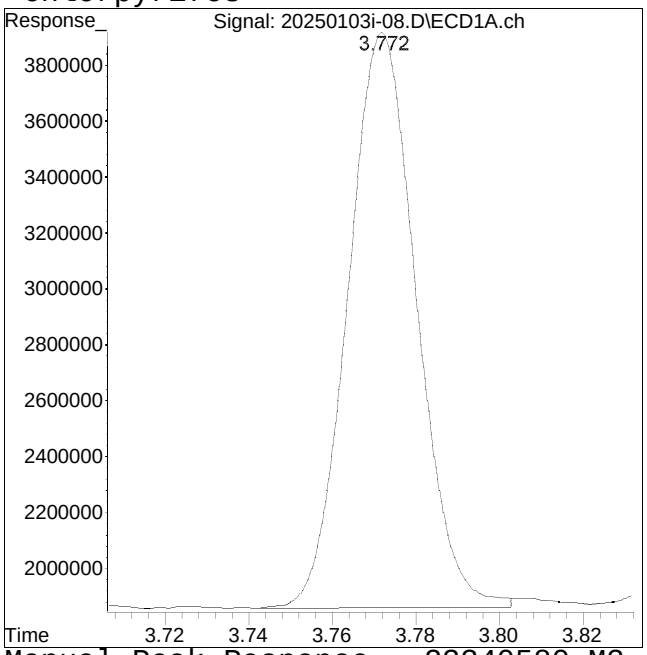
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-08.D
Date Inj'd : 1/3/2025 13:06
Sample : il7pest,42e,,pp 11941 L0.0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:53 am

Compound #11: Chlorpyrifos





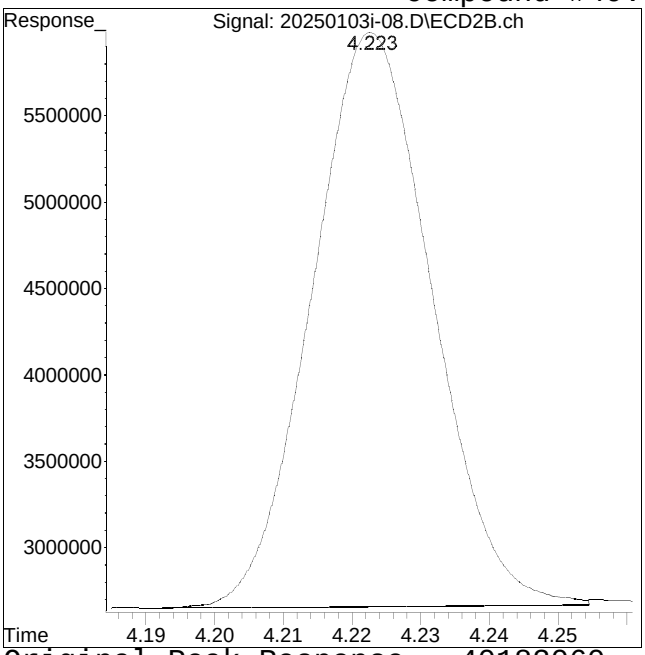
Original Peak Response = 23662689 Manual Peak Response = 23340580 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

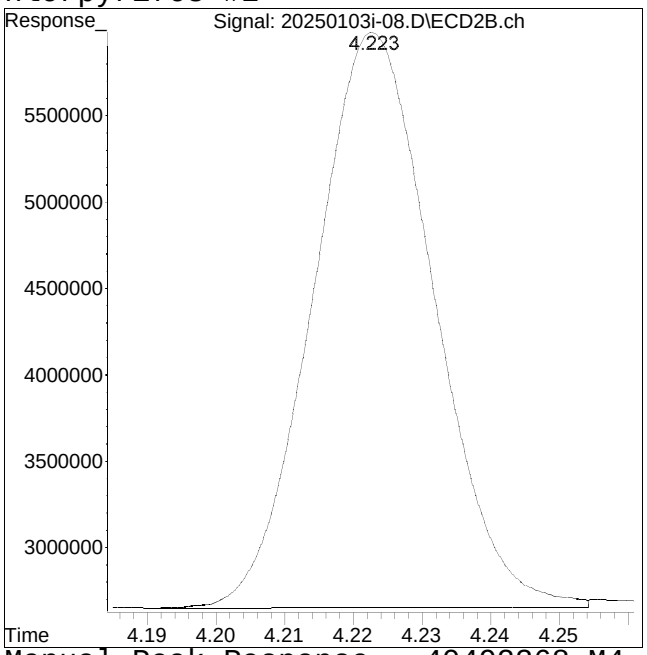
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-08.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:06 Instrument : PEST 20
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 9:53 am

Compound #49: Chlorpyrifos #2



Original Peak Response = 40183060



Manual Peak Response = 40492368 M4

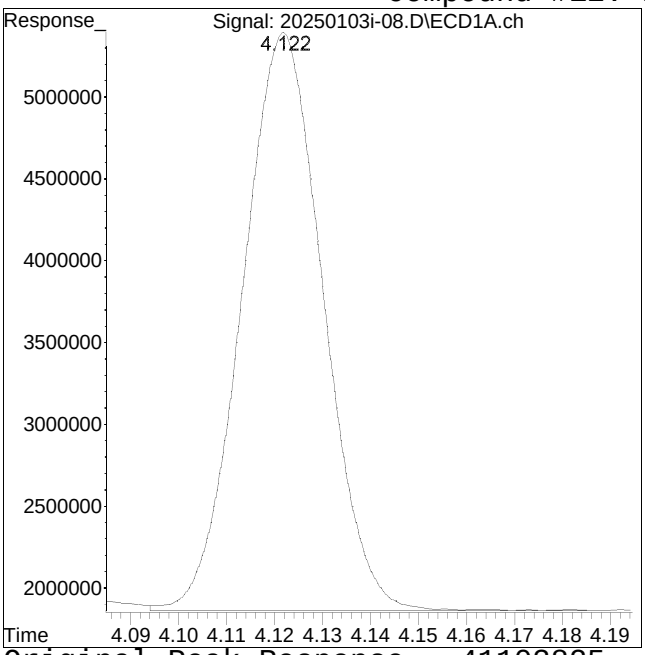
M4 = Poor automated baseline construction.

Manual Integration Report

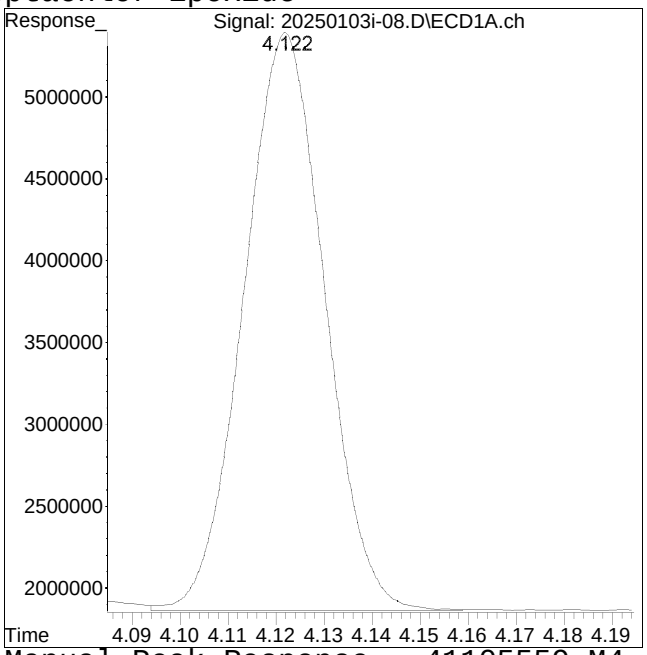
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-08.D
Date Inj'd : 1/3/2025 13:06
Sample : il7pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:53 am

Compound #12: Heptachlor Epoxide



Original Peak Response = 41103825



Manual Peak Response = 41105559 M4

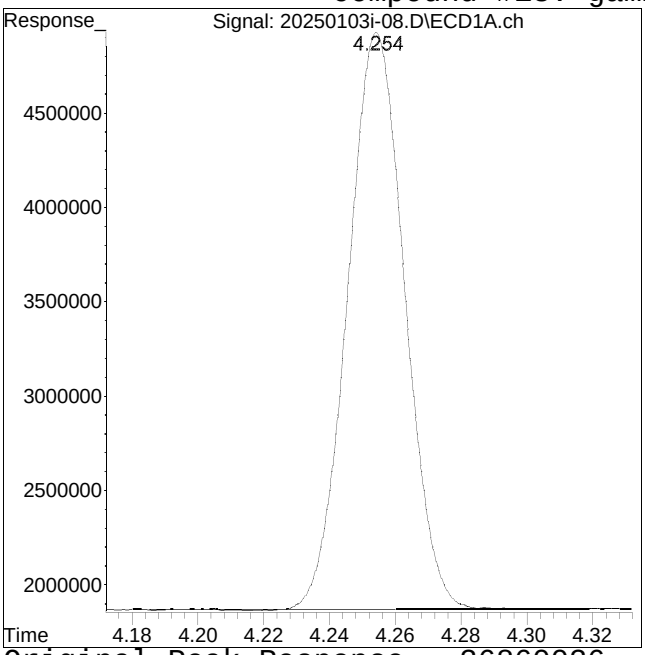
M4 = Poor automated baseline construction.

Manual Integration Report

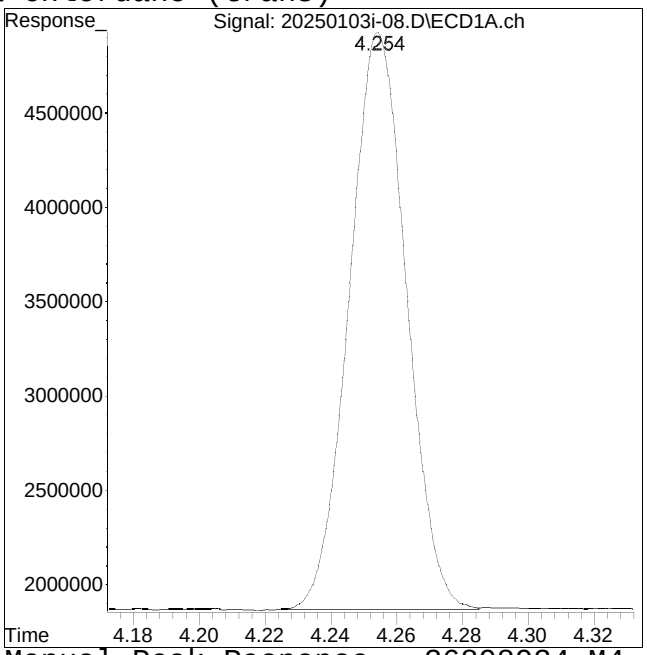
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-08.D
Date Inj'd : 1/3/2025 13:06
Sample : il7pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:53 am

Compound #13: gamma-Chlordane (trans)



Original Peak Response = 36860036



Manual Peak Response = 36898934 M4

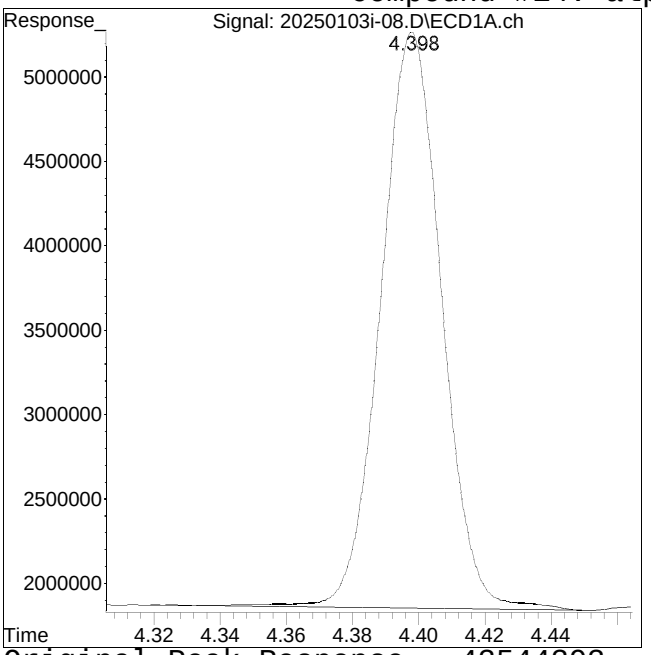
M4 = Poor automated baseline construction.

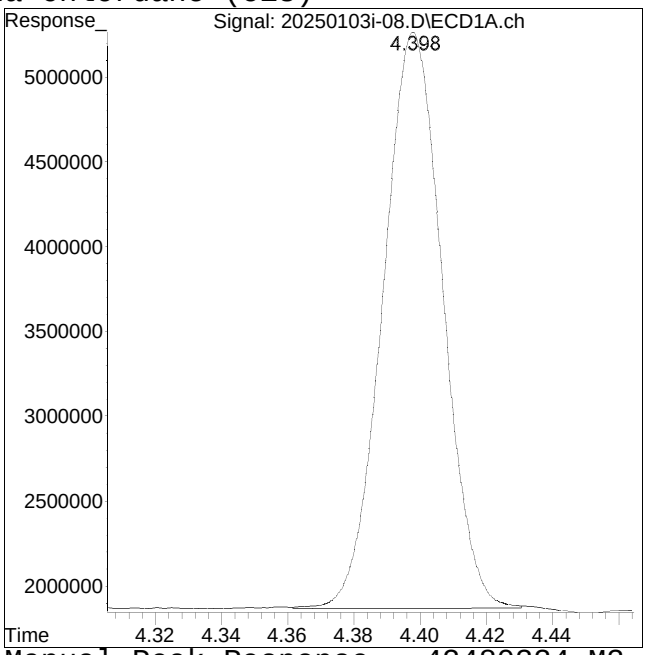
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-08.D
Date Inj'd : 1/3/2025 13:06
Sample : il7pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:53 am

Compound #14: alpha-Chlordane (cis)





Original Peak Response = 43544393 Manual Peak Response = 42480334 M3

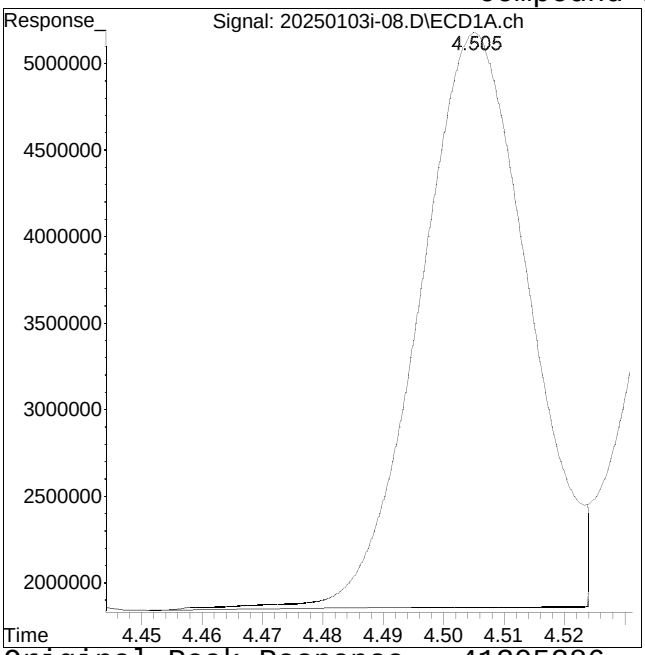
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

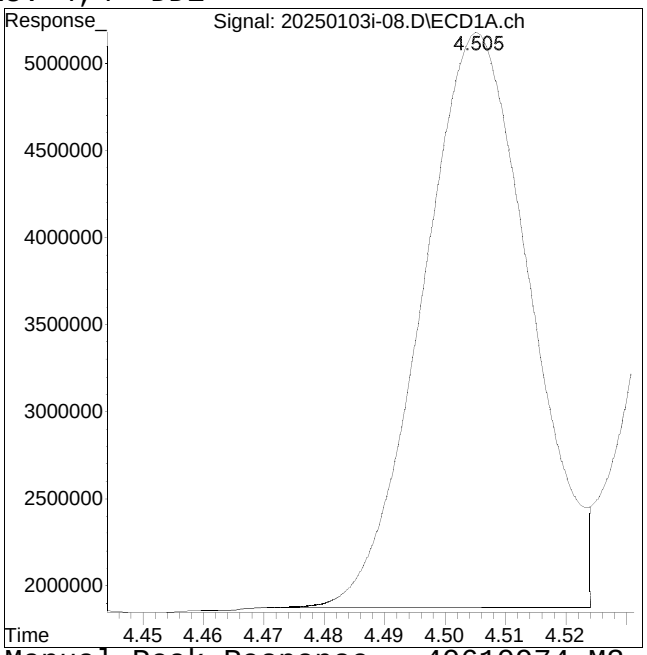
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-08.D
Date Inj'd : 1/3/2025 13:06
Sample : il7pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:53 am

Compound #15: 4,4'-DDE





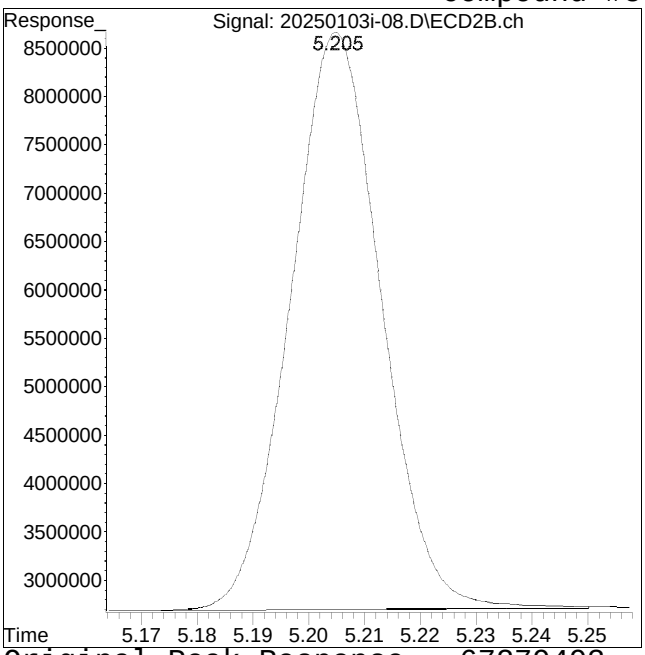
Original Peak Response = 41305286 Manual Peak Response = 40610974 M3

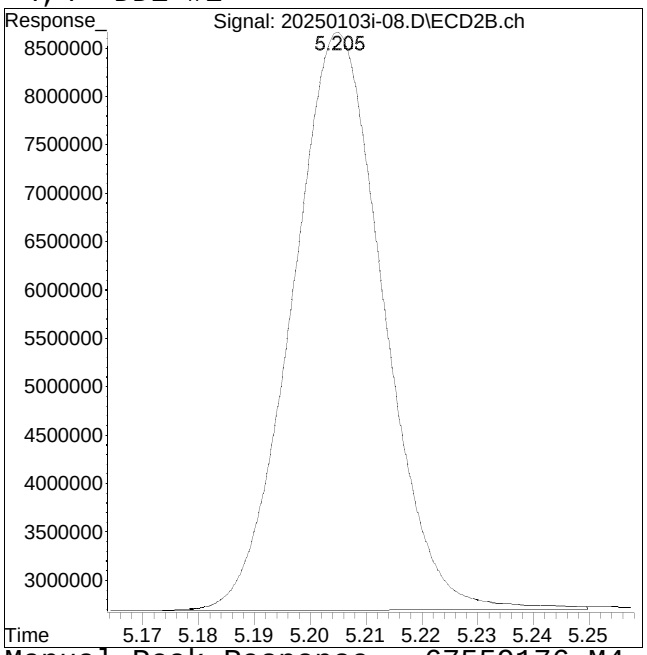
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-08.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:06 Instrument : PEST 20
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 9:53 am

Compound #53: 4,4'-DDE #2





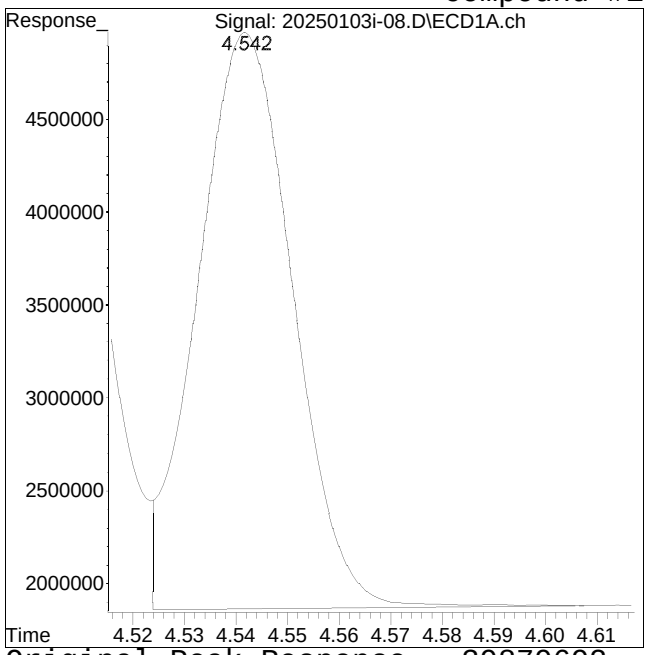
Original Peak Response = 67279493 Manual Peak Response = 67559176 M4
M4 = Poor automated baseline construction.

Manual Integration Report

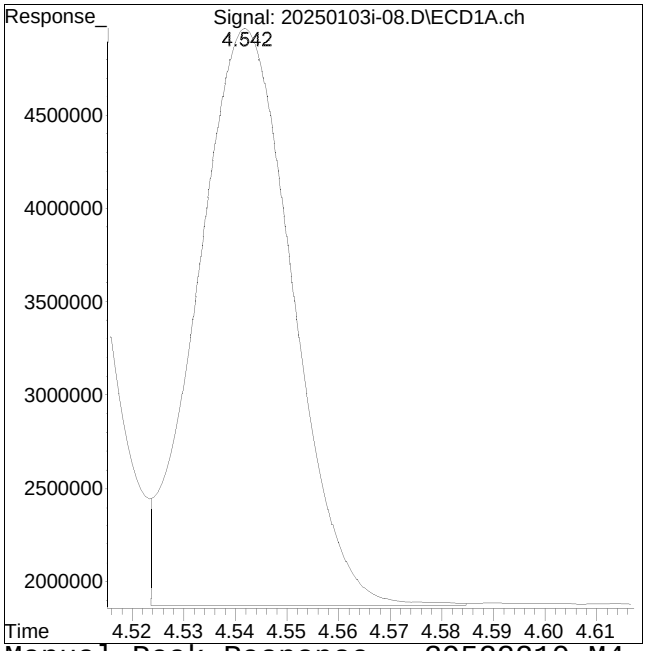
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-08.D
Date Inj'd : 1/3/2025 13:06
Sample : il7pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:53 am

Compound #16: Endosulfan I



Original Peak Response = 39879692



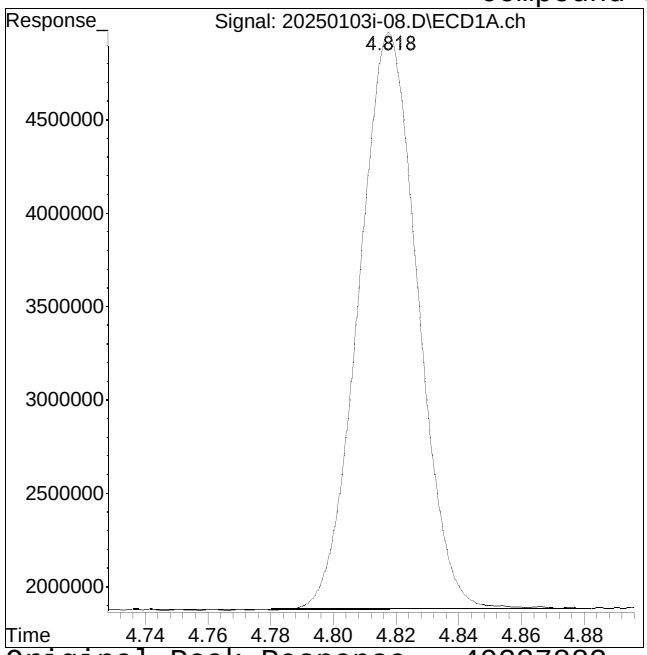
Manual Peak Response = 39522210 M4

M4 = Poor automated baseline construction.

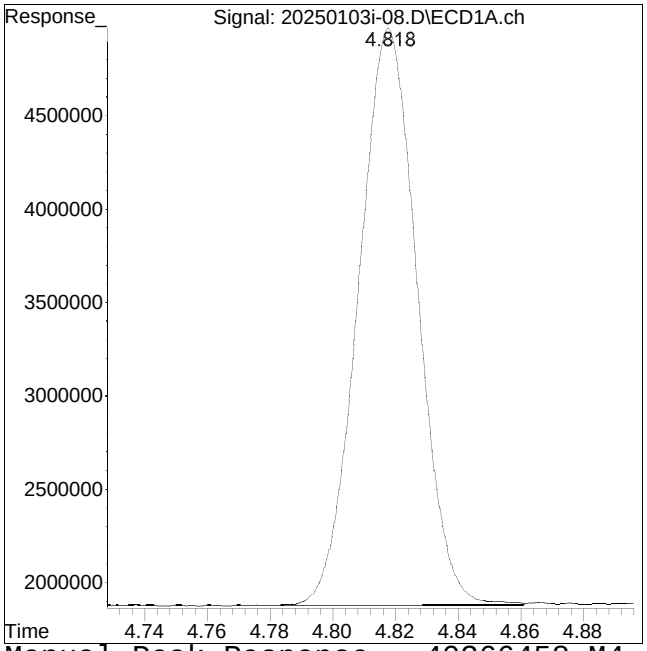
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-08.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:06 Instrument : PEST 20
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 9:53 am

Compound #17: Dieldrin



Original Peak Response = 40237883



Manual Peak Response = 40366458 M4

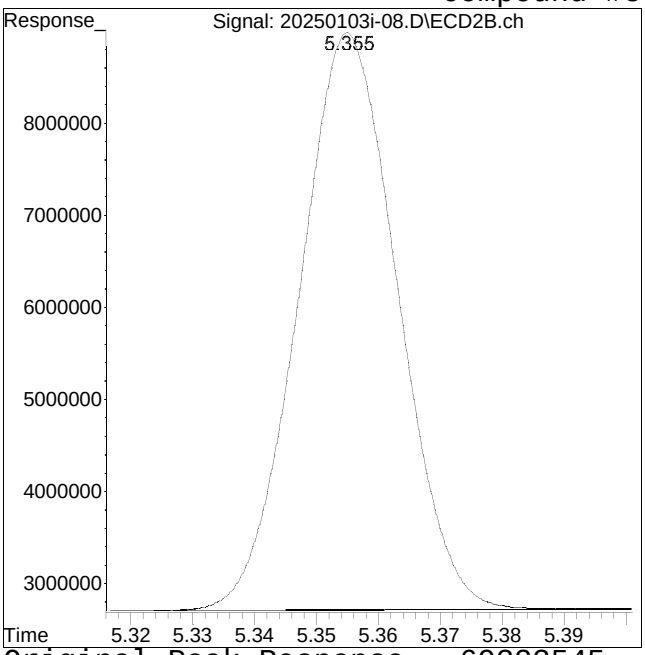
M4 = Poor automated baseline construction.

Manual Integration Report

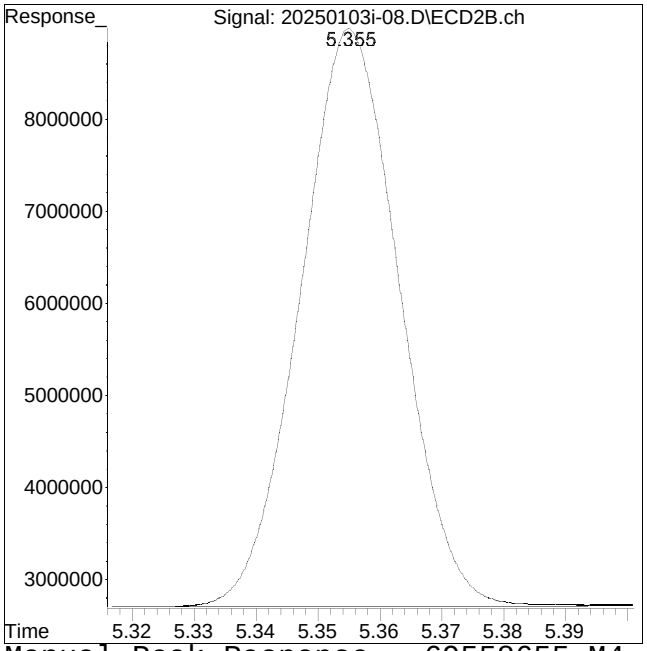
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-08.D
Date Inj'd : 1/3/2025 13:06
Sample : il7pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:53 am

Compound #55: Dieldrin #2



Original Peak Response = 69323545



Manual Peak Response = 69558655 M4

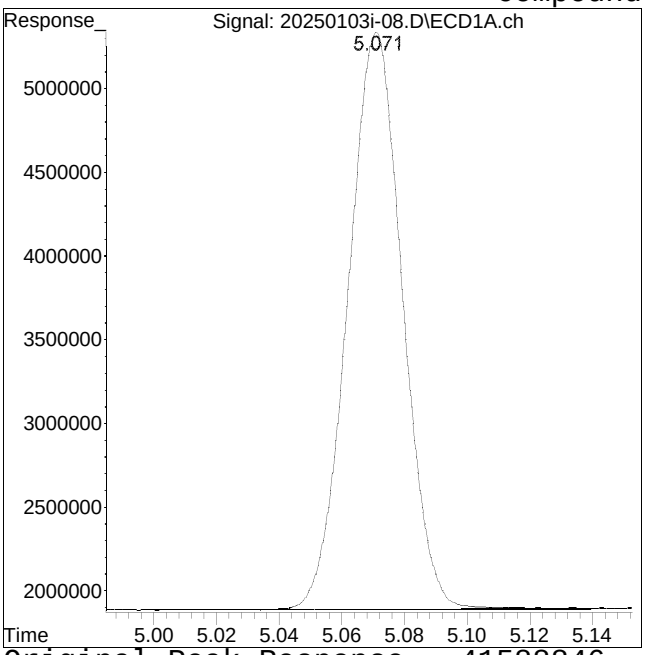
M4 = Poor automated baseline construction.

Manual Integration Report

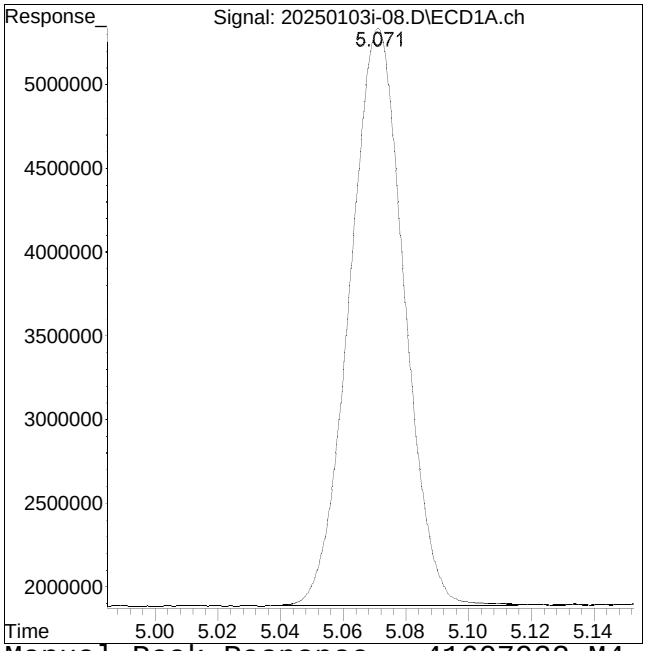
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-08.D
Date Inj'd : 1/3/2025 13:06
Sample : il7pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:53 am

Compound #18: Endrin



Original Peak Response = 41588846



Manual Peak Response = 41607922 M4

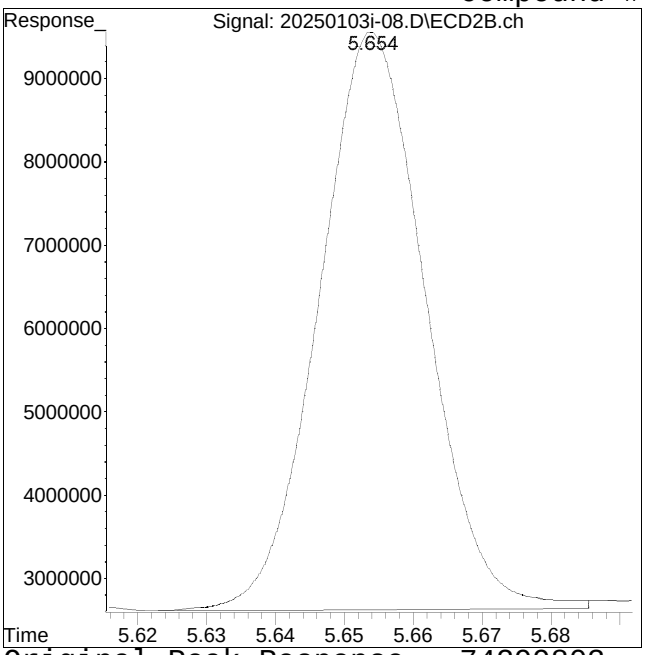
M4 = Poor automated baseline construction.

Manual Integration Report

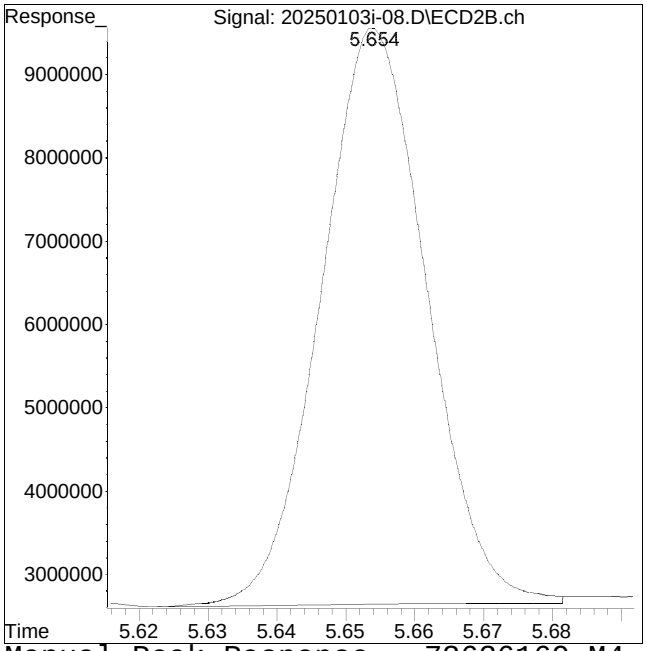
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-08.D
Date Inj'd : 1/3/2025 13:06
Sample : il7pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:53 am

Compound #56: Endrin #2



Original Peak Response = 74299803



Manual Peak Response = 73636169 M4

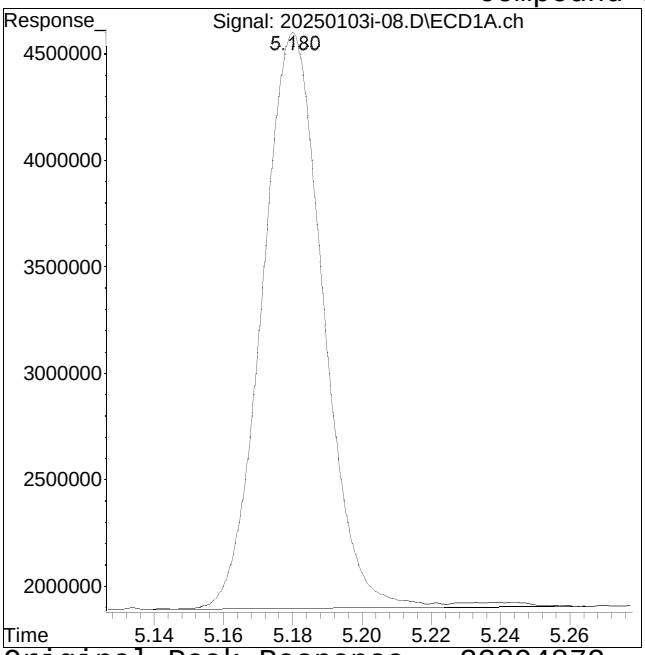
M4 = Poor automated baseline construction.

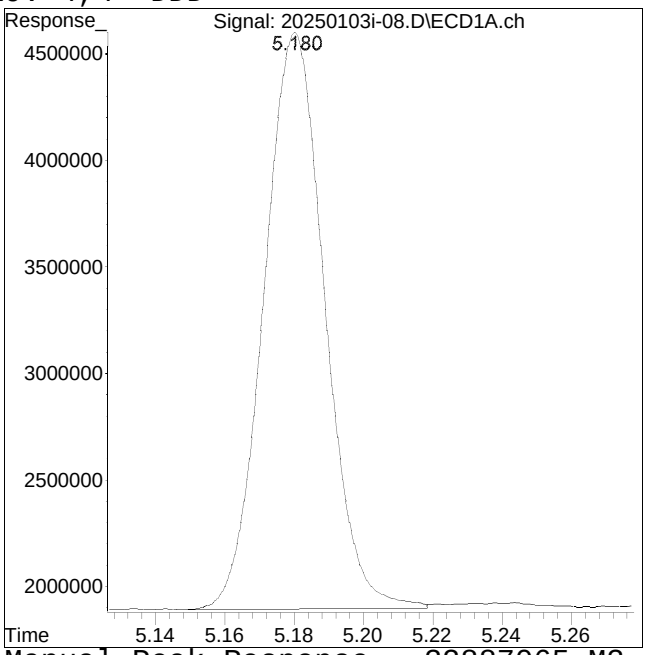
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-08.D
Date Inj'd : 1/3/2025 13:06
Sample : il7pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:53 am

Compound #19: 4,4'-DDD





Original Peak Response = 33294872 Manual Peak Response = 32887065 M3

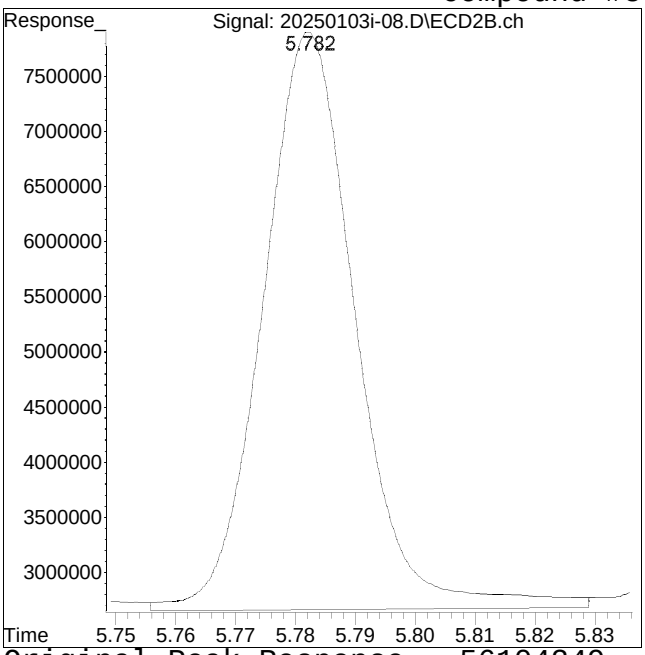
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

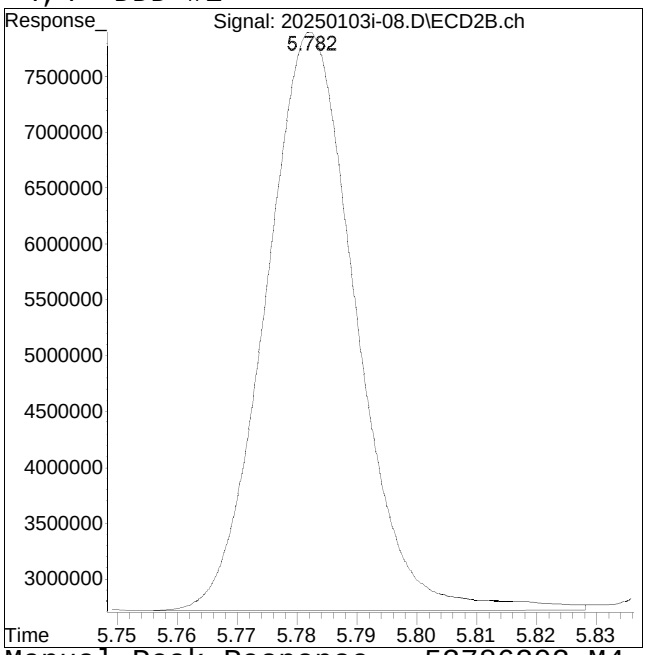
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-08.D
Date Inj'd : 1/3/2025 13:06
Sample : il7pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:53 am

Compound #57: 4,4'-DDD #2



Original Peak Response = 56104249



Manual Peak Response = 53786202 M4

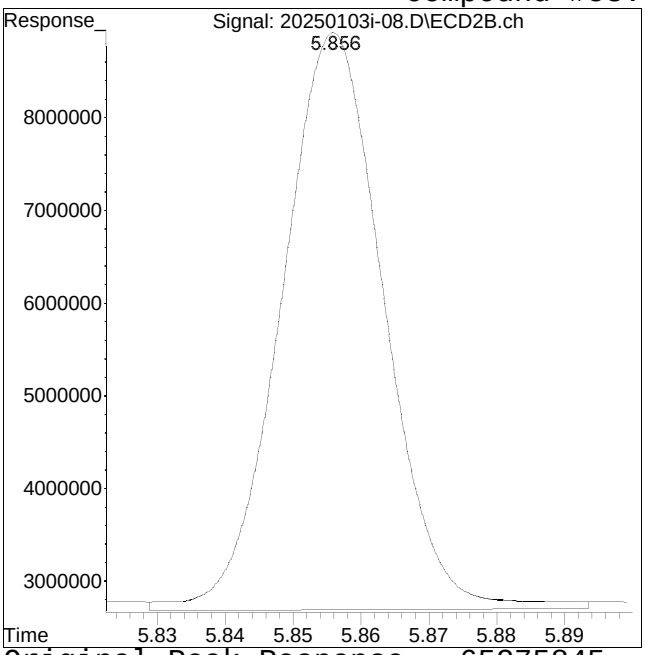
M4 = Poor automated baseline construction.

Manual Integration Report

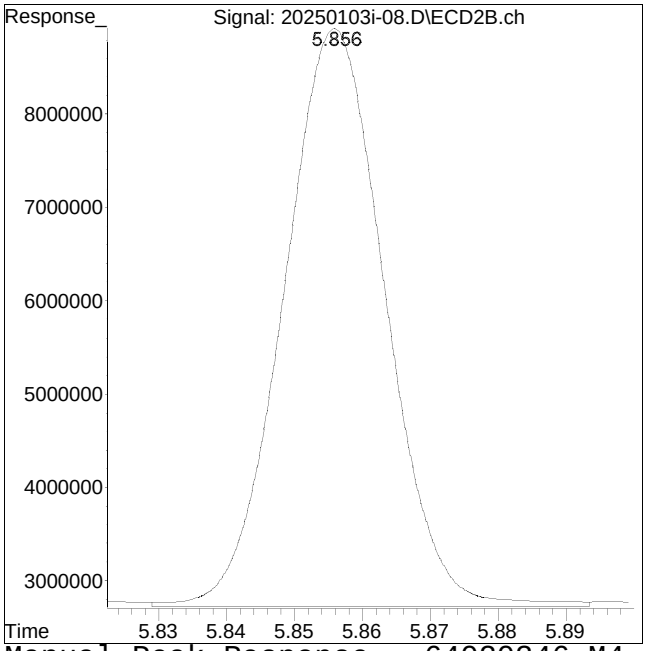
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-08.D
Date Inj'd : 1/3/2025 13:06
Sample : il7pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:53 am

Compound #58: Endosulfan II #2



Original Peak Response = 65275845



Manual Peak Response = 64020346 M4

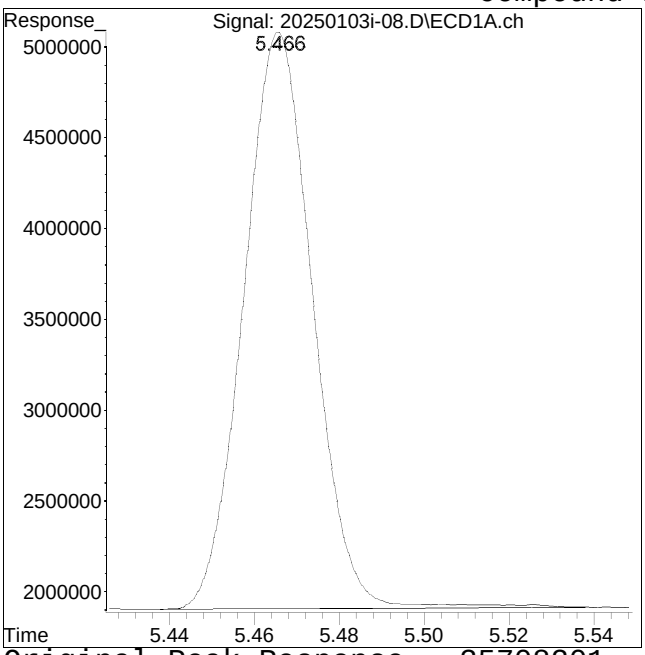
M4 = Poor automated baseline construction.

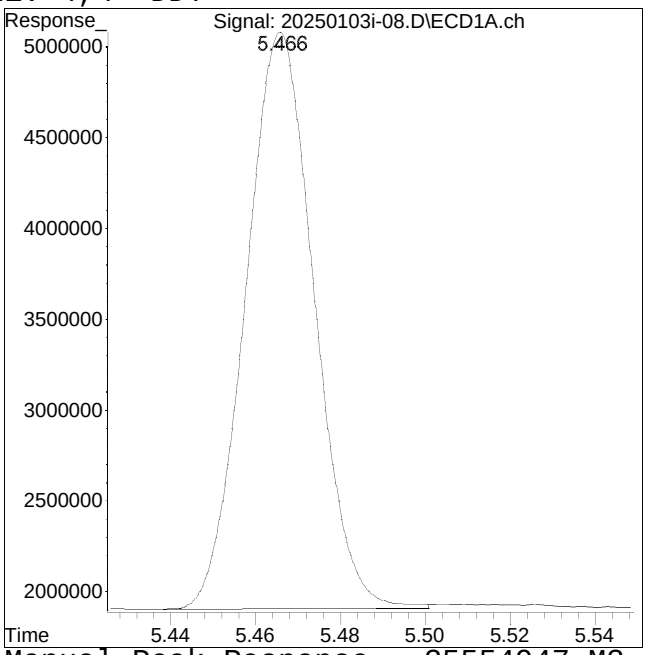
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-08.D
Date Inj'd : 1/3/2025 13:06
Sample : il7pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:53 am

Compound #21: 4,4'-DDT





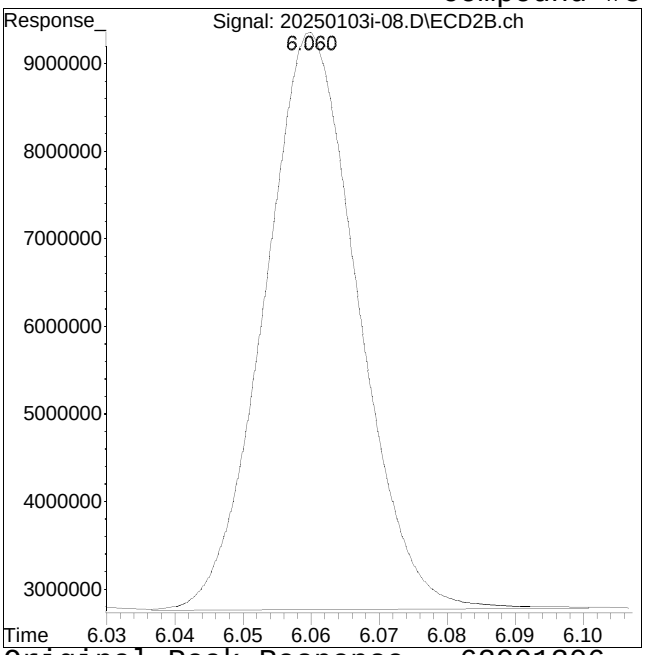
Original Peak Response = 35708201 Manual Peak Response = 35554947 M3

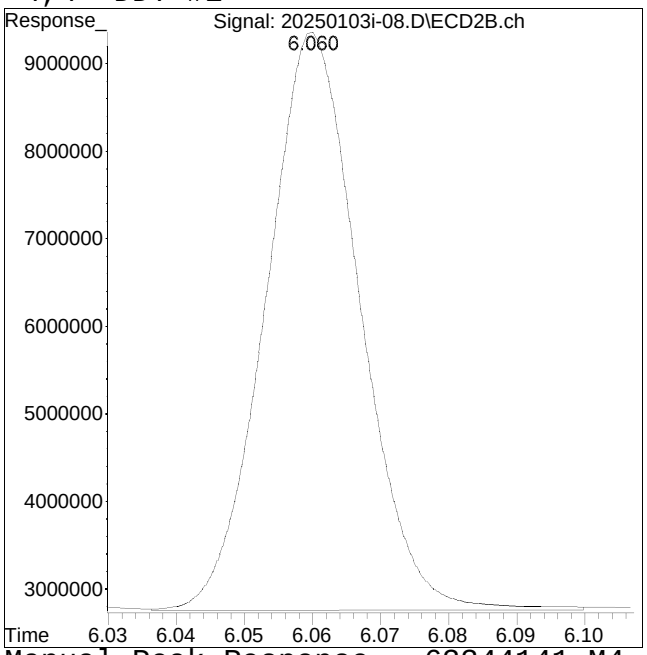
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-08.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:06 Instrument : PEST 20
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 9:53 am

Compound #59: 4,4'-DDT #2





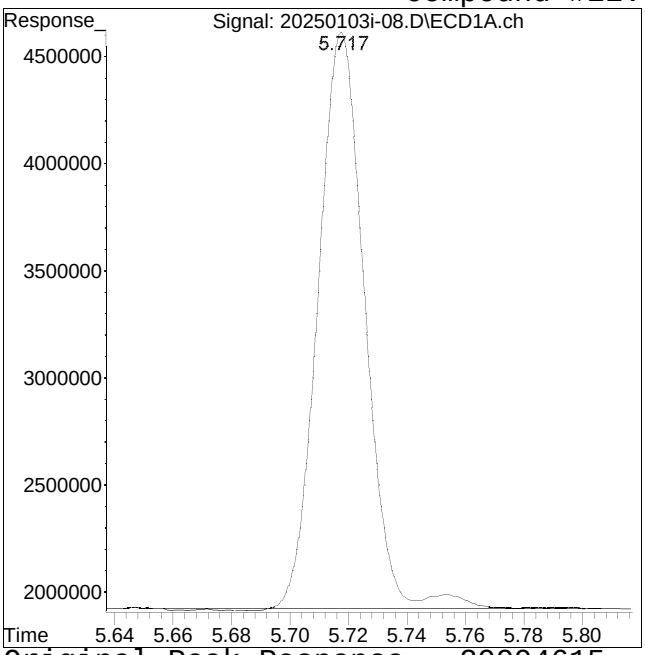
Original Peak Response = 62991306 Manual Peak Response = 63344141 M4
M4 = Poor automated baseline construction.

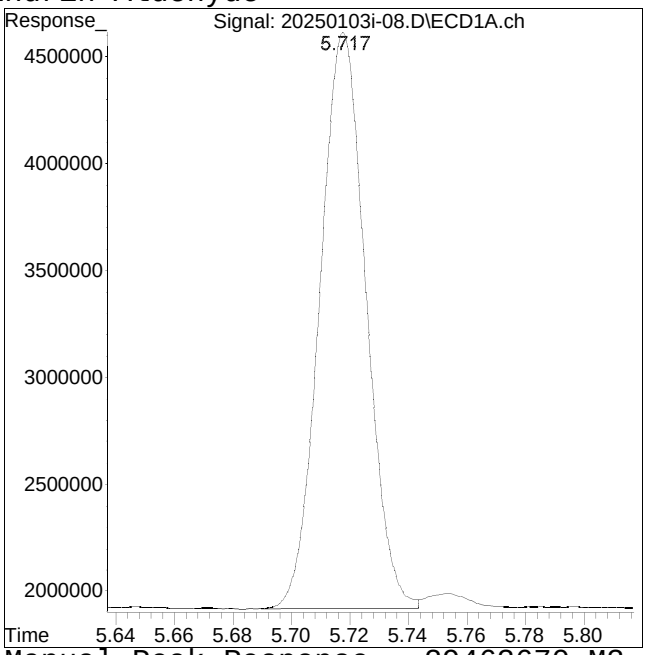
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-08.D
Date Inj'd : 1/3/2025 13:06
Sample : il7pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:53 am

Compound #22: Endrin Aldehyde





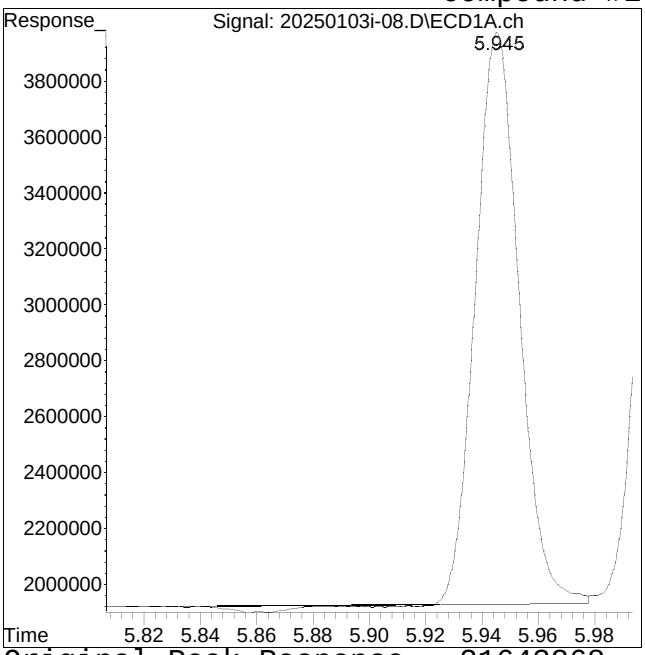
Original Peak Response = 29994615 Manual Peak Response = 29463670 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

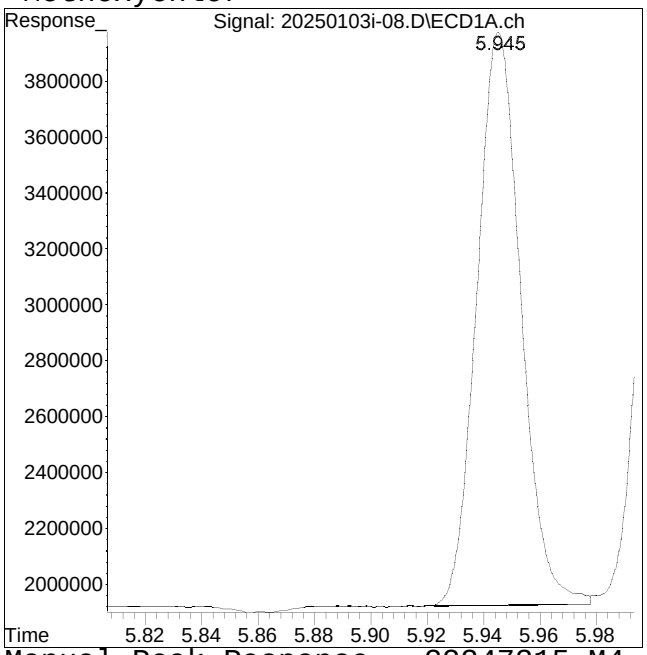
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-08.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:06 Instrument : PEST 20
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 9:53 am

Compound #23: Methoxychlor



Original Peak Response = 21643268



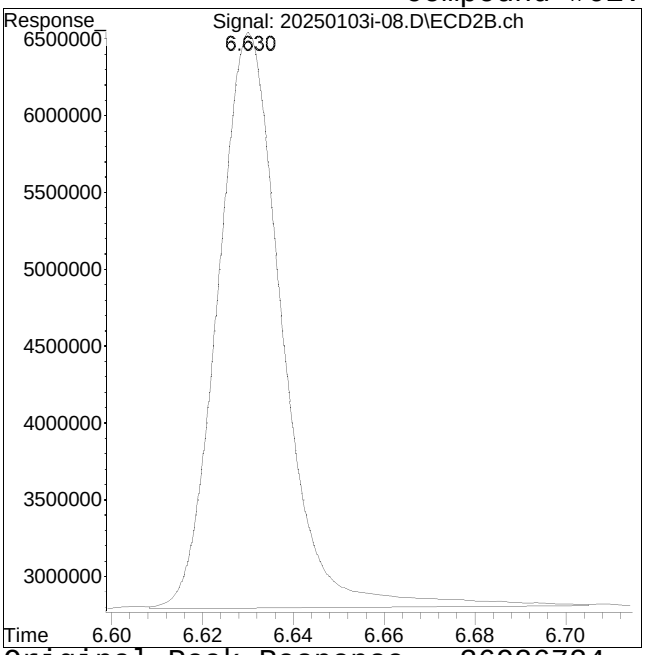
Manual Peak Response = 22247315 M4

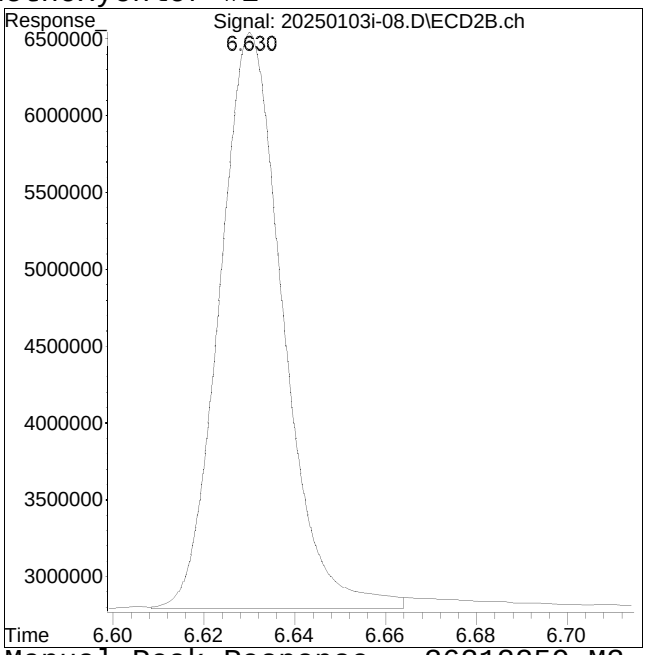
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-08.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:06 Instrument : PEST 20
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 9:53 am

Compound #61: Methoxychlor #2





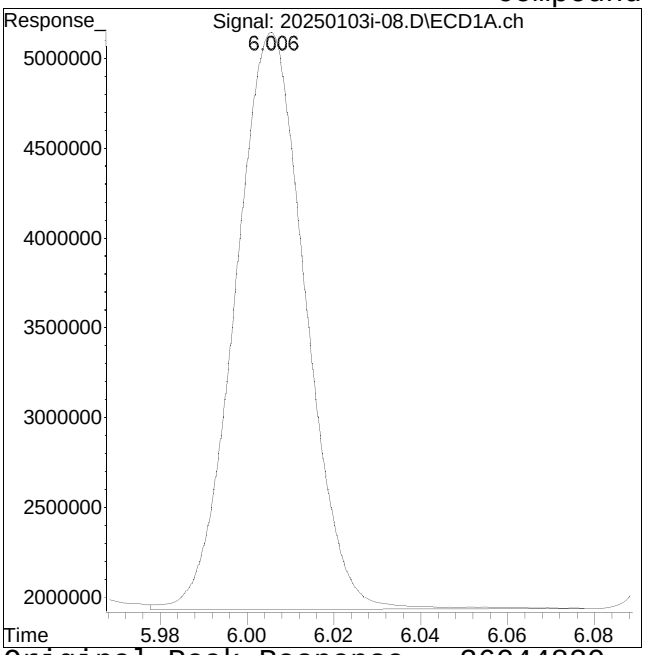
Original Peak Response = 36926724 Manual Peak Response = 36212259 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

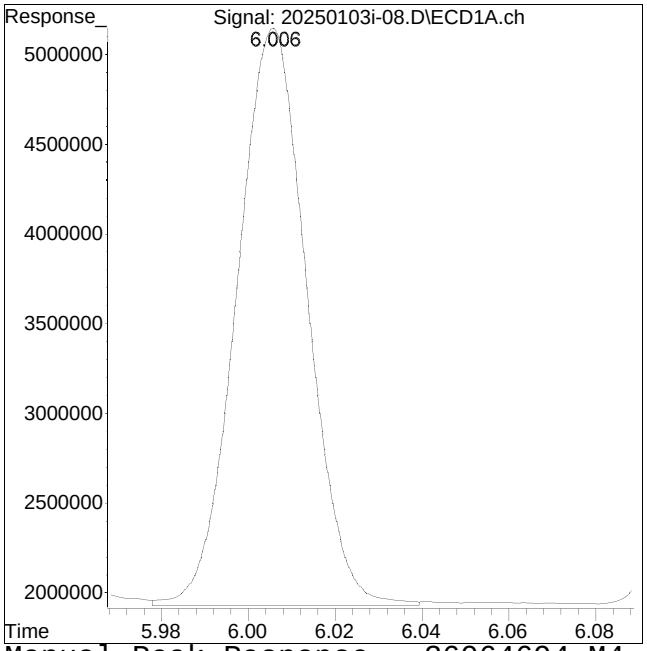
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-08.D
Date Inj'd : 1/3/2025 13:06
Sample : il7pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:53 am

Compound #24: Mirex



Original Peak Response = 36044830



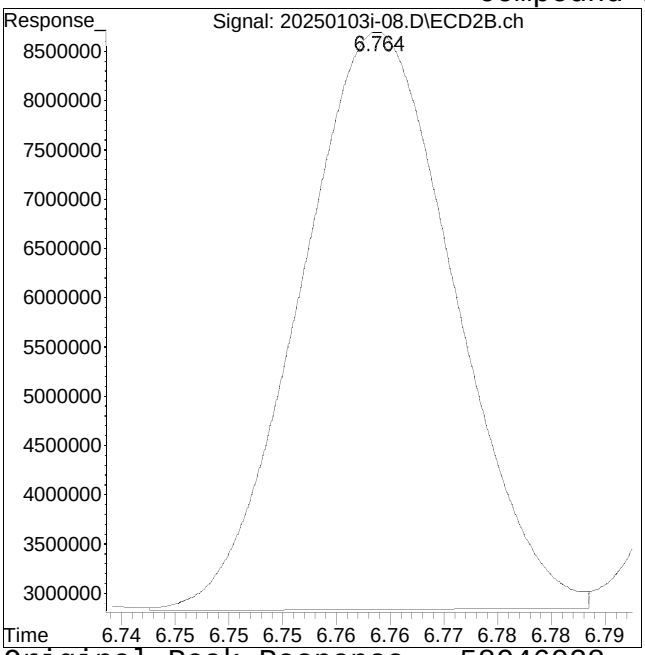
Manual Peak Response = 36064694 M4

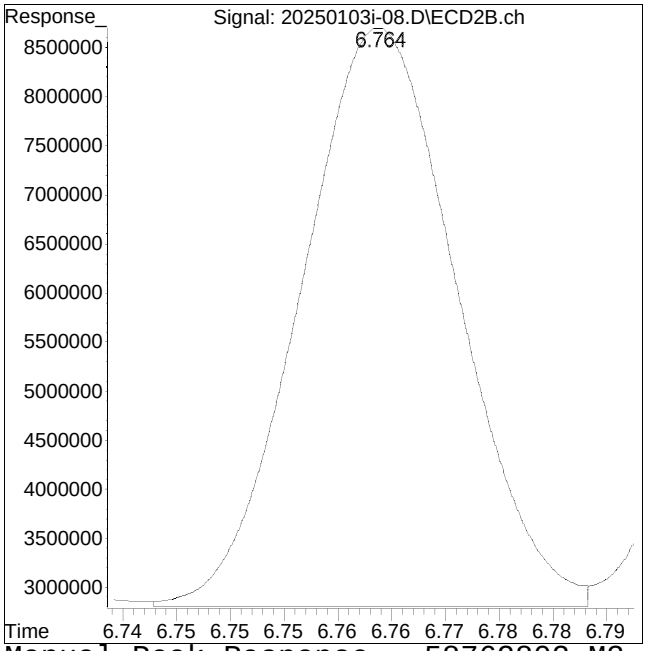
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-08.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:06 Instrument : PEST 20
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 9:53 am

Compound #62: Mirex #2



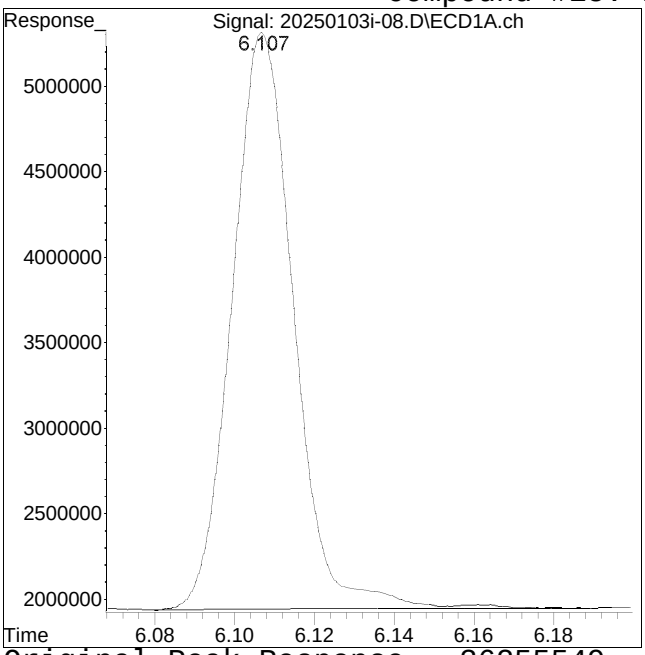


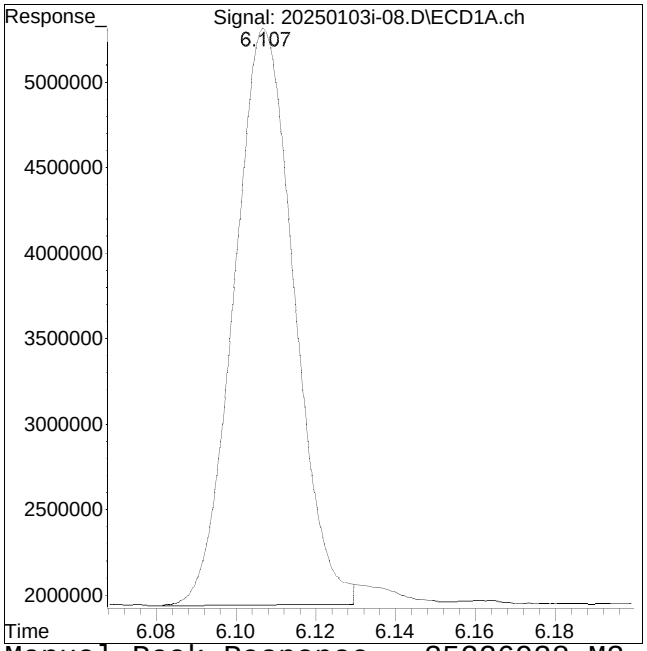
Original Peak Response = 58046028 Manual Peak Response = 58762802 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-08.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:06 Instrument : PEST 20
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 9:53 am

Compound #25: Endosulfan Sulfate





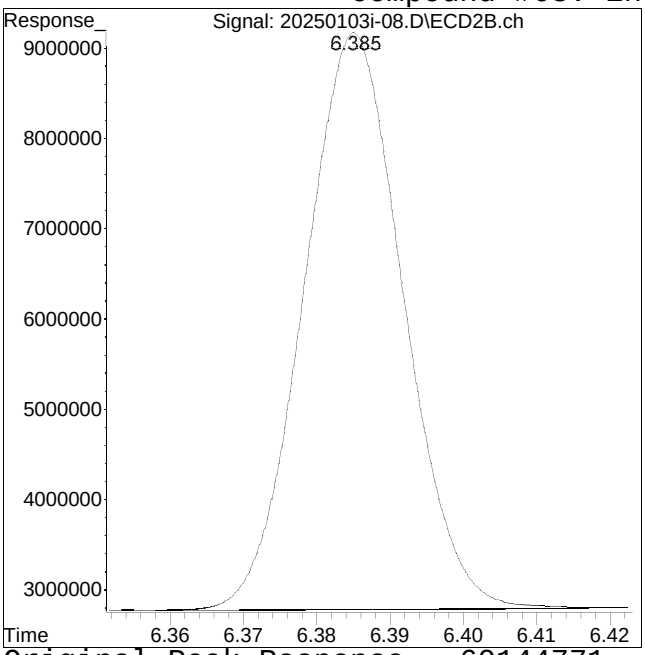
Original Peak Response = 36255549 Manual Peak Response = 35226938 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

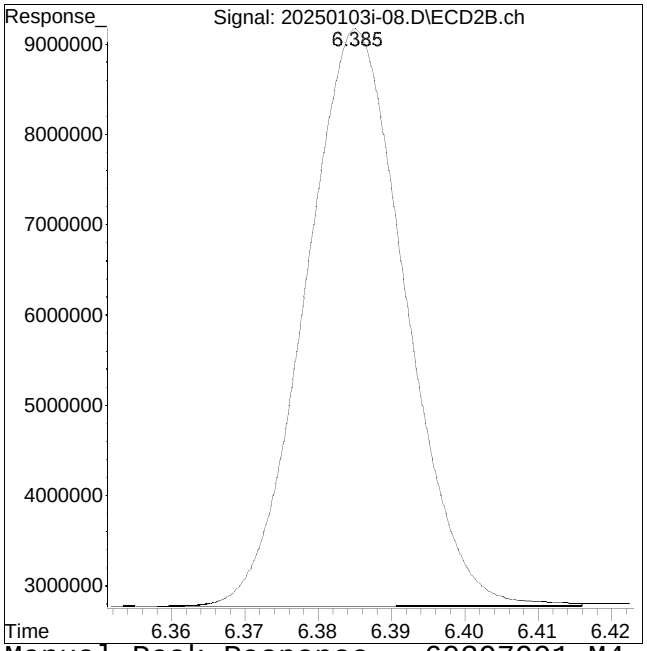
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-08.D
Date Inj'd : 1/3/2025 13:06
Sample : il7pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:53 am

Compound #63: Endosulfan Sulfate #2



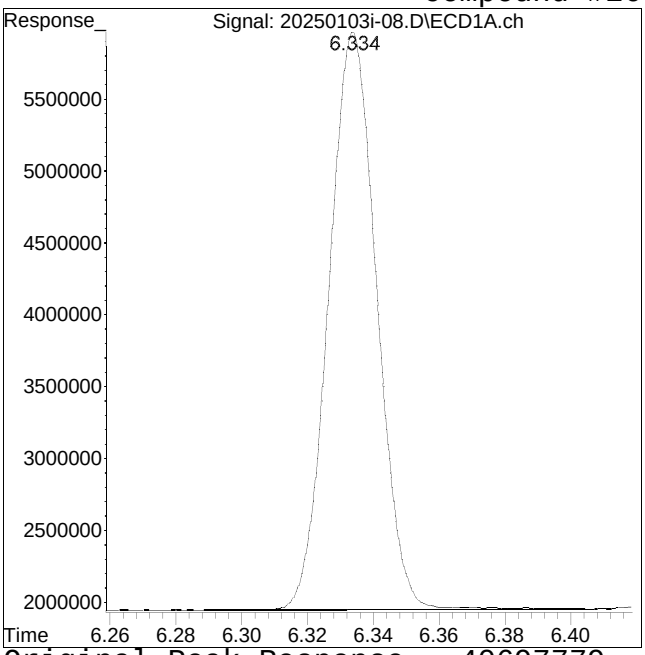


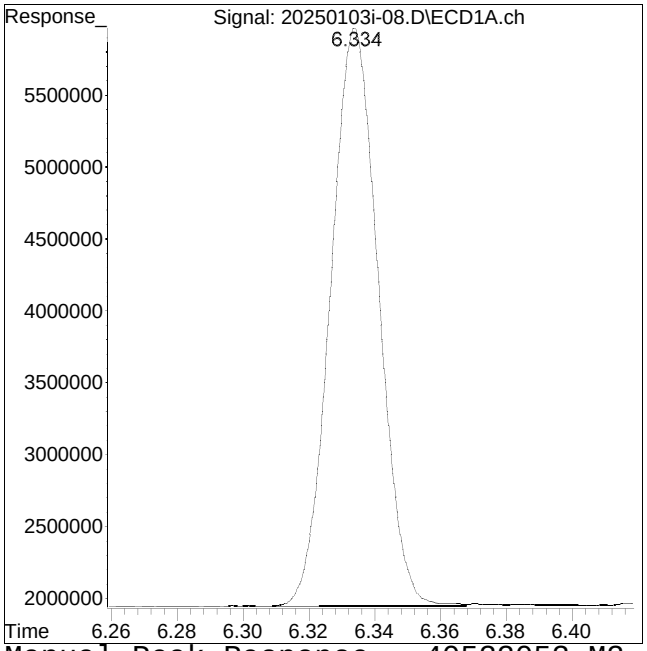
Original Peak Response = 60144771 Manual Peak Response = 60397991 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-08.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:06 Instrument : PEST 20
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 9:53 am

Compound #26: Endrin Ketone





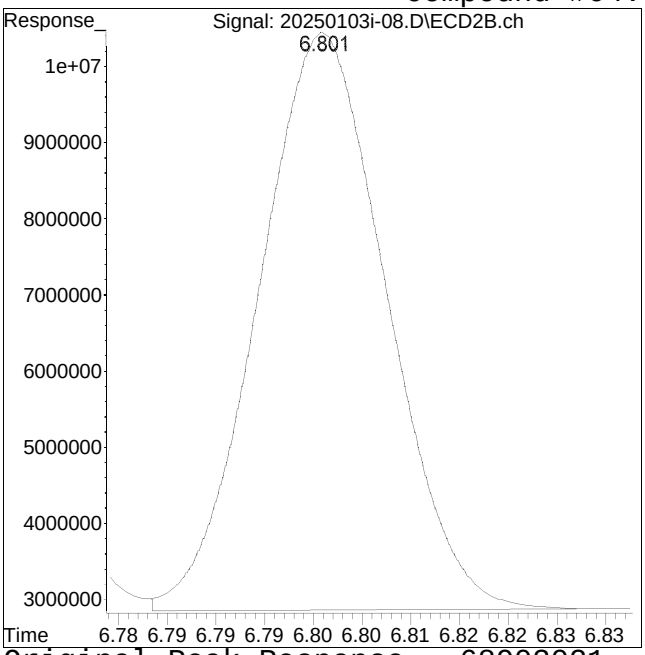
Original Peak Response = 40697779 Manual Peak Response = 40533053 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

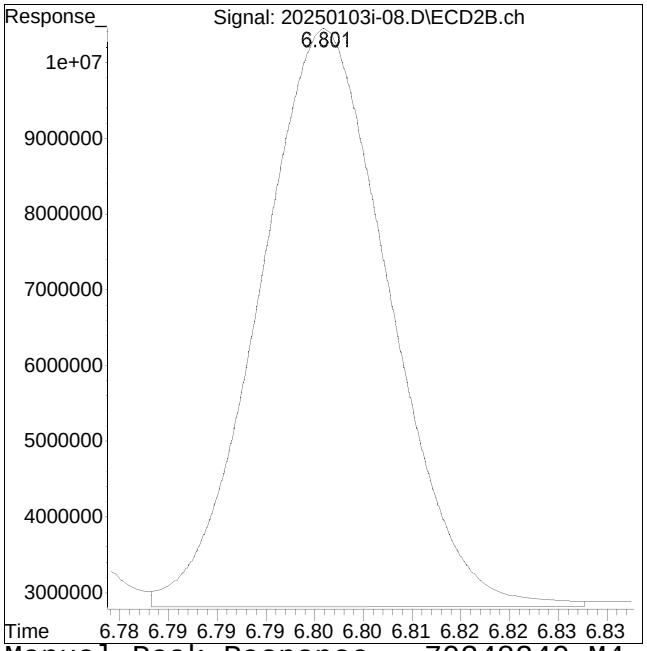
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-08.D
Date Inj'd : 1/3/2025 13:06
Sample : il7pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:53 am

Compound #64: Endrin Ketone #2



Original Peak Response = 68903021



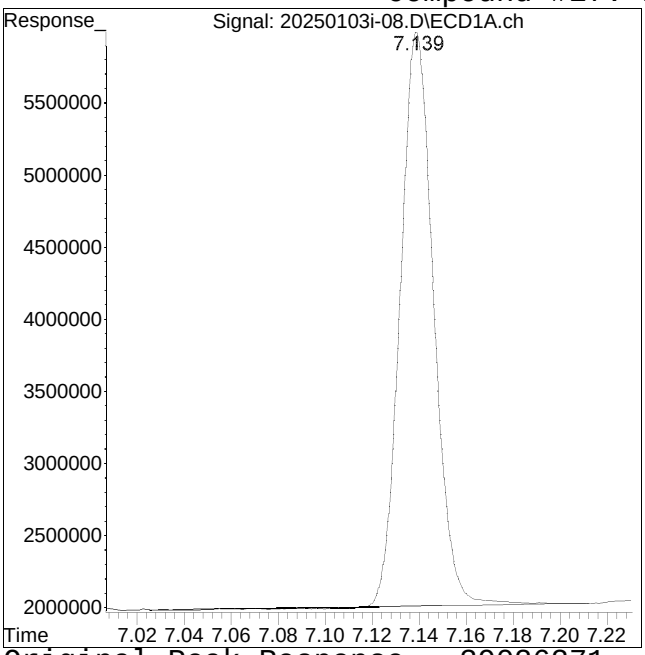
Manual Peak Response = 70348240 M4

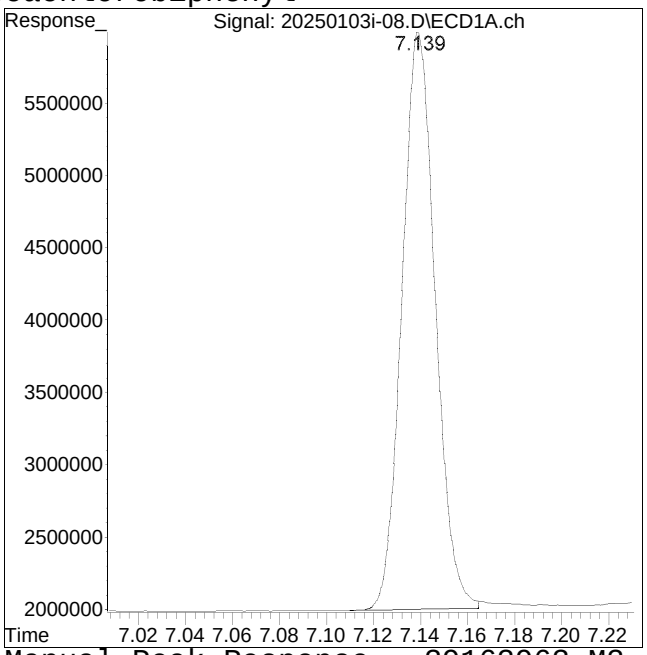
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-08.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:06 Instrument : PEST 20
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 9:53 am

Compound #27: Decachlorobiphenyl





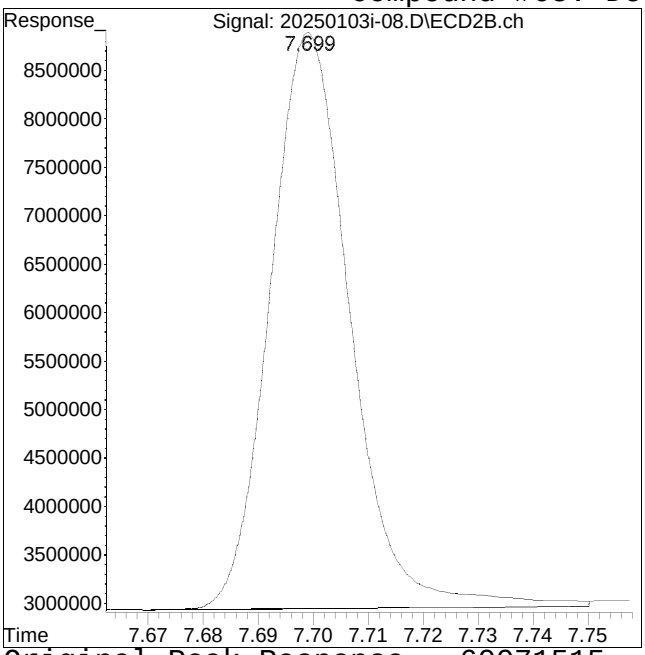
Original Peak Response = 39026271 Manual Peak Response = 39163963 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

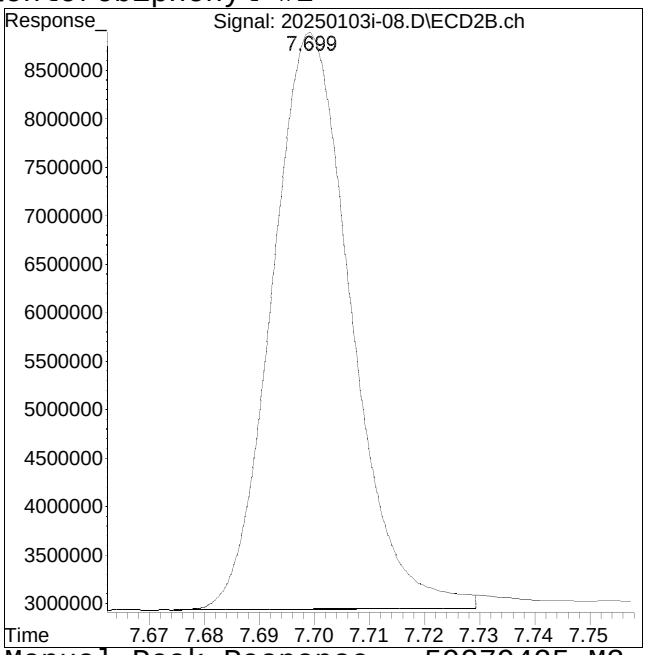
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-08.D
Date Inj'd : 1/3/2025 13:06
Sample : il7pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:53 am

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 60071515 Manual Peak Response = 59279425 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-09.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 13:19
Operator : pest20:ejl
Sample : il8pest,42e,,pp 11941 L0.05
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 09:09:28 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 09:09:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.802	1.853	85038818	157.0E6	25.000M3	25.000M3
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.260	2.435	186.8E6	333.4E6	NoCal M3	NoCal
	Spiked Amount 50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#	
27) s	Decachlorobi	7.138f	7.699f	175.8E6	270.4E6	NoCal M4	NoCal
	Spiked Amount 50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#	
	Target Compounds						
3)	Hexachlorobe	2.518	2.795	193.1E6	340.8E6	NoCal M3	NoCal
4)	alpha-BHC	2.637	2.903	243.5E6	446.8E6	NoCal M3	NoCal M4
5)	gamma-BHC (l	2.871	3.212	221.0E6	408.0E6	NoCal M3	NoCal
6)	beta-BHC	2.939	3.289	100.9E6	185.1E6	NoCal M3	NoCal
7)	delta-BHC	3.082	3.570	223.5E6	408.6E6	NoCal M4	NoCal
8)	Heptachlor	3.262	3.630	214.2E6	383.7E6	NoCal M3	NoCal
9)	Aldrin	3.529	3.963	207.8E6	370.5E6	NoCal	NoCal
10)	Alachlor	3.672	3.854	35261023	57696004	NoCal	NoCal
11)	Chlorpyrifos	3.772	4.222	97615594	178.4E6	NoCal M3	NoCal M3
12)	Heptachlor E	4.122	4.604	195.1E6	352.3E6	NoCal M4	NoCal

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-09.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 13:19
Operator : pest20:ejl
Sample : il8pest,42e,,pp 11941 L0.05
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 09:09:28 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 09:09:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
13)	gamma-Chlord	4.254	4.833	178.2E6	319.0E6	NoCal M4	NoCal
14)	alpha-Chlord	4.397	5.002	203.4E6	354.8E6	NoCal M3	NoCal
15)	4,4'-DDE	4.505	5.205	206.2E6	348.3E6	NoCal	NoCal
16)	Endosulfan I	4.541	5.061	188.0E6	336.5E6	NoCal M4	NoCal M4
17)	Dieldrin	4.817	5.355	198.0E6	352.2E6	NoCal M4	NoCal M4
18)	Endrin	5.070	5.653	203.1E6	363.1E6	NoCal M4	NoCal M4
19)	4,4'-DDD	5.179	5.782	164.2E6	276.9E6	NoCal M4	NoCal M4
20)	Endosulfan I	5.306	5.855	175.2E6	312.0E6	NoCal	NoCal M4
21)	4,4'-DDT	5.465	6.059	177.6E6	319.8E6	NoCal M3	NoCal M4
22)	Endrin Aldeh	5.717	6.154	149.2E6	260.7E6	NoCal M3	NoCal M3
23)	Methoxychlor	5.945	6.629	99530066	168.7E6	NoCal	NoCal M3
24)	Mirex	6.005	6.764	157.9E6	263.1E6	NoCal M3	NoCal
25)	Endosulfan S	6.106	6.385	164.1E6	291.7E6	NoCal M3	NoCal
26)	Endrin Keton	6.333	6.800	191.2E6	340.5E6	NoCal M3	NoCal M3
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-09.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 13:19
Operator : pest20:ejl
Sample : il8pest,42e,,pp 11941 L0.05
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 09:09:28 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 09:09:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

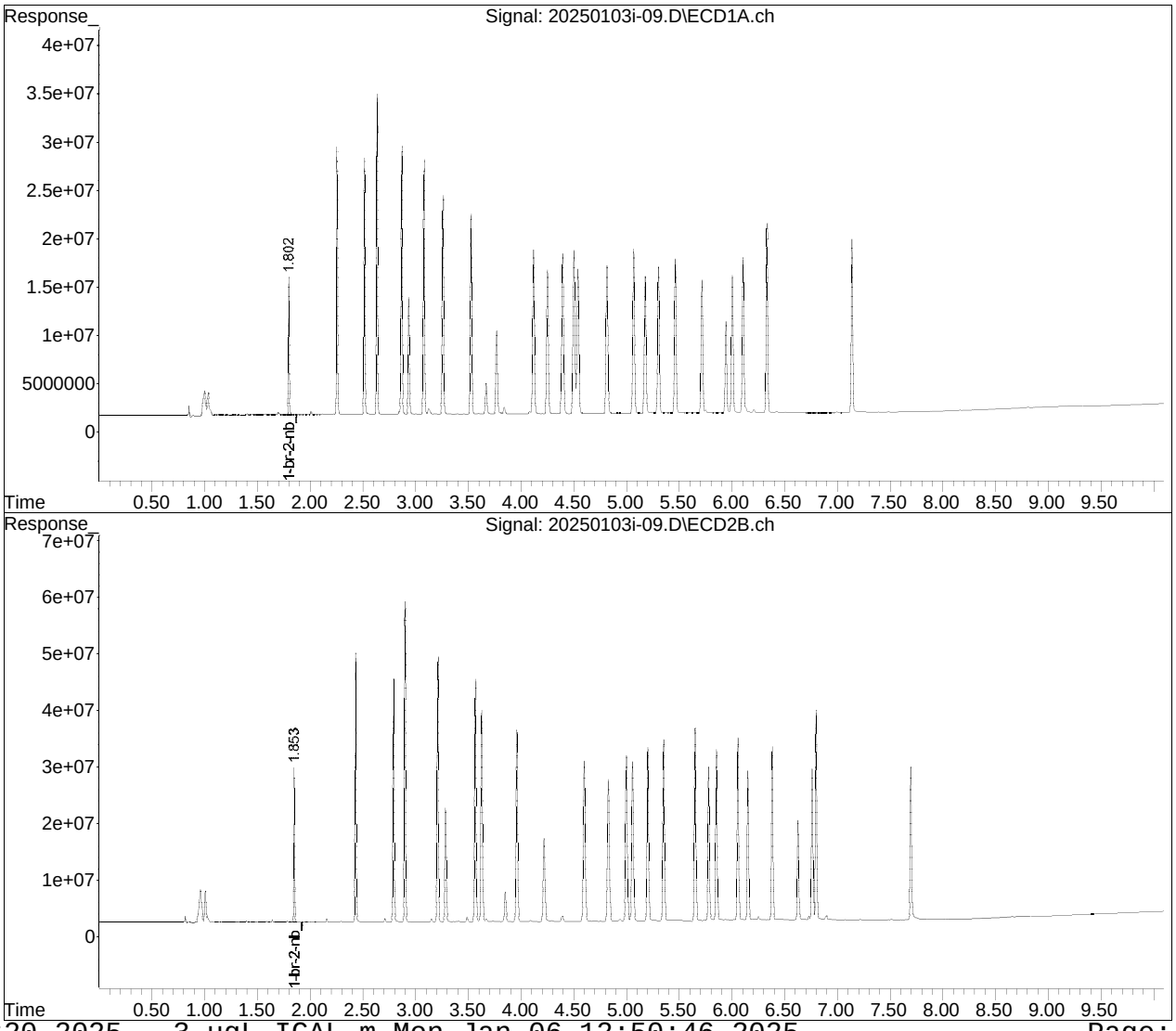
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-09.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 13:19
Operator : pest20:ejl
Sample : il8pest,42e,,pp 11941 L0.05
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 09:09:28 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 09:09:20 2025
Response via : Initial Calibration
Integrator: ChemStation

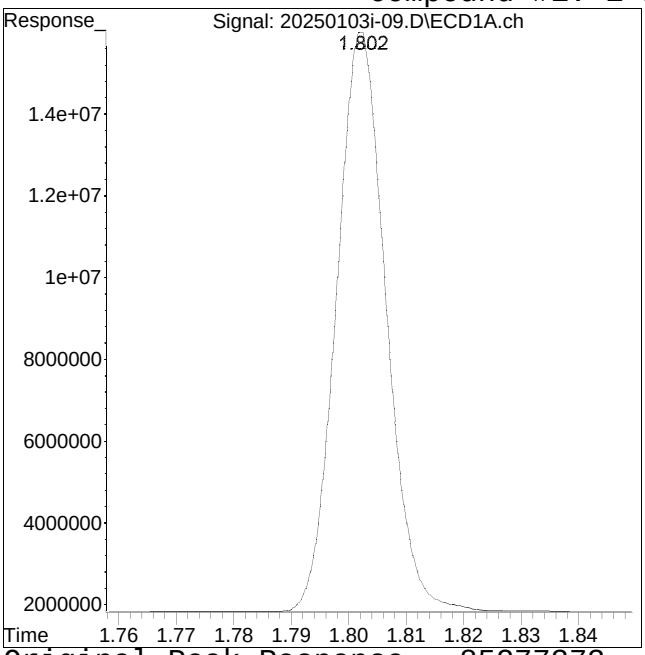
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

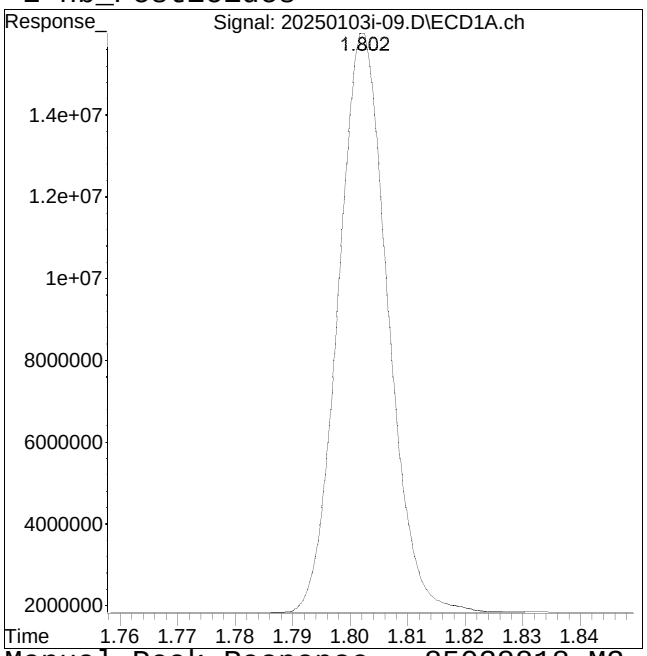


Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-09.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:19 Instrument : PEST 20
Sample : il8pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 9:09 am

Compound #1: 1-br-2-nb_Pesticides



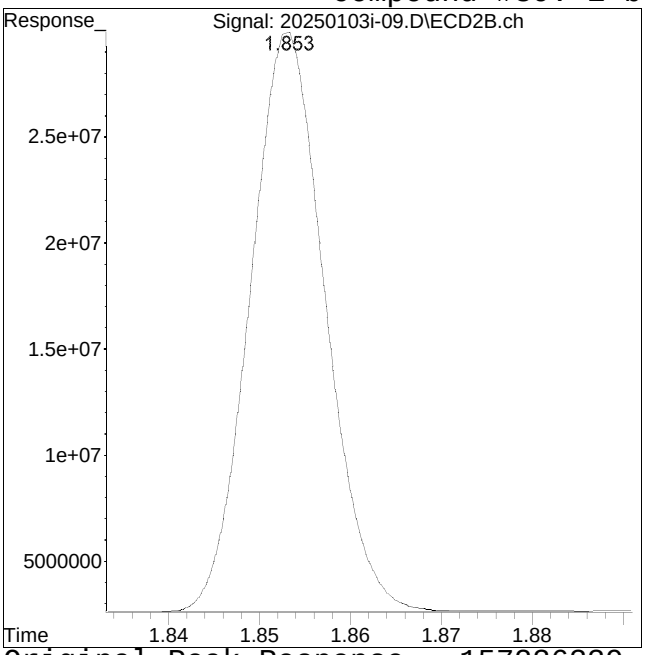


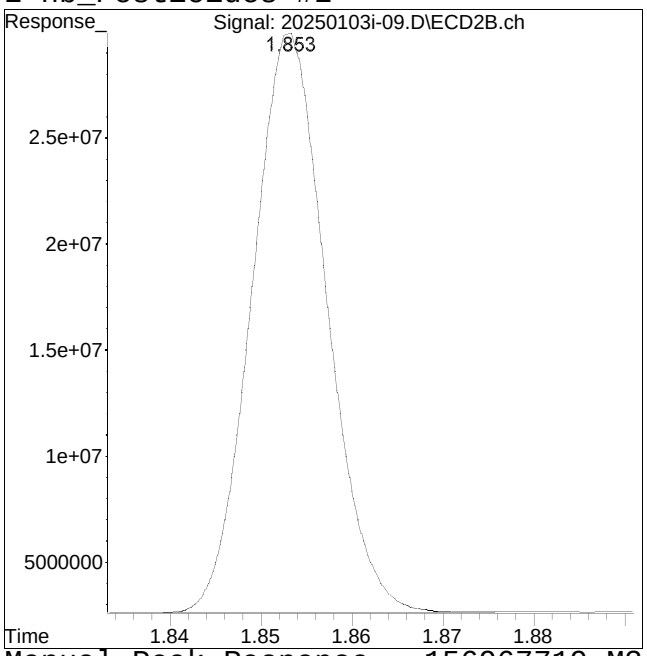
Original Peak Response = 85277373 Manual Peak Response = 85038818 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-09.D
Date Inj'd : 1/3/2025 13:19
Sample : il8pest,42e,,pp 11941 L0.0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:09 am

Compound #39: 1-br-2-nb_Pesticides #2





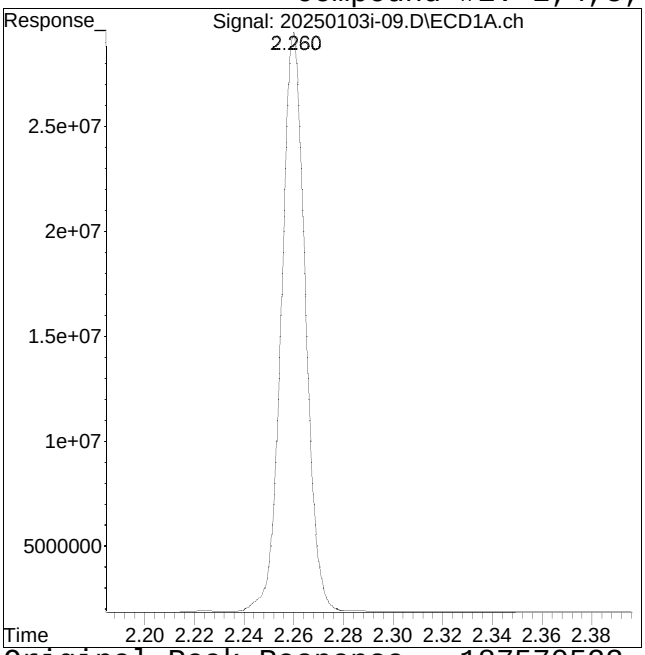
Original Peak Response = 157236339 Manual Peak Response = 156967719 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

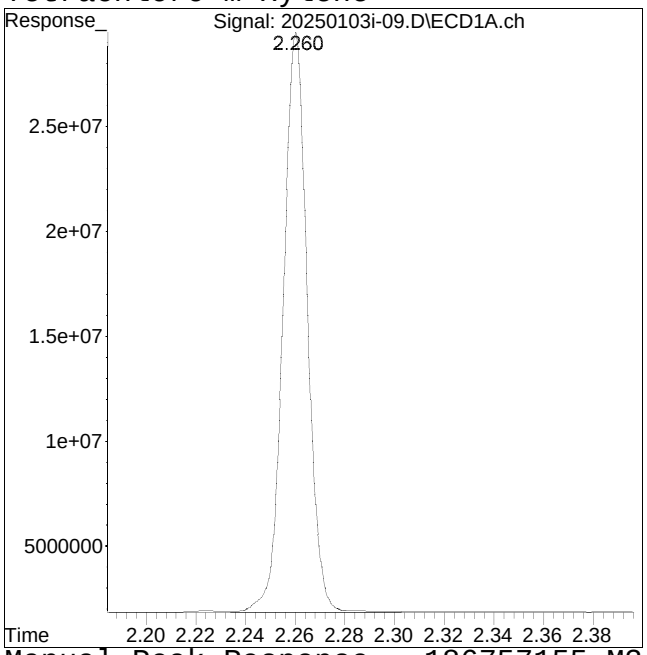
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-09.D
Date Inj'd : 1/3/2025 13:19
Sample : il8pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:09 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene





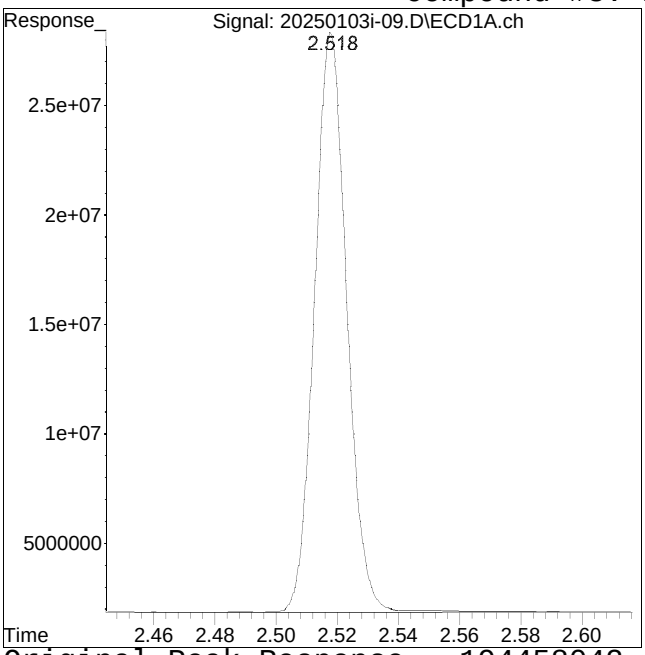
Original Peak Response = 187570523 Manual Peak Response = 186757155 M3

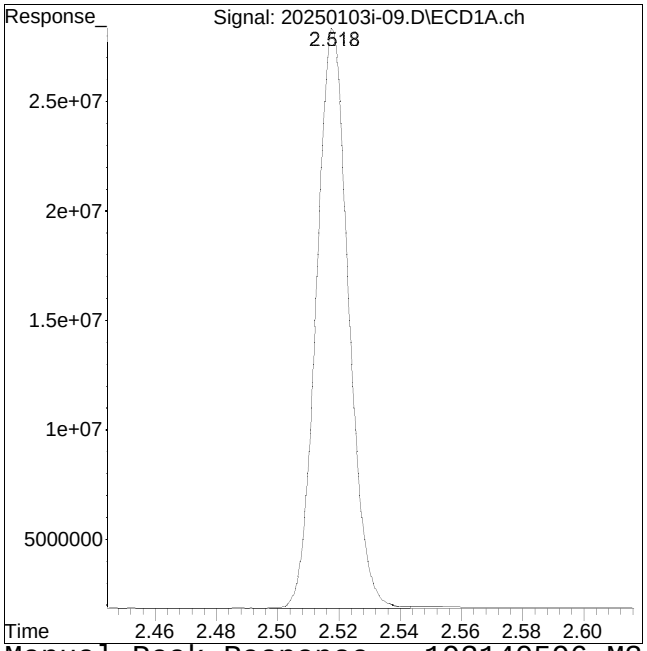
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-09.D
Date Inj'd : 1/3/2025 13:19
Sample : il8pest,42e,,pp 11941 L0.0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:09 am

Compound #3: Hexachlorobenzene



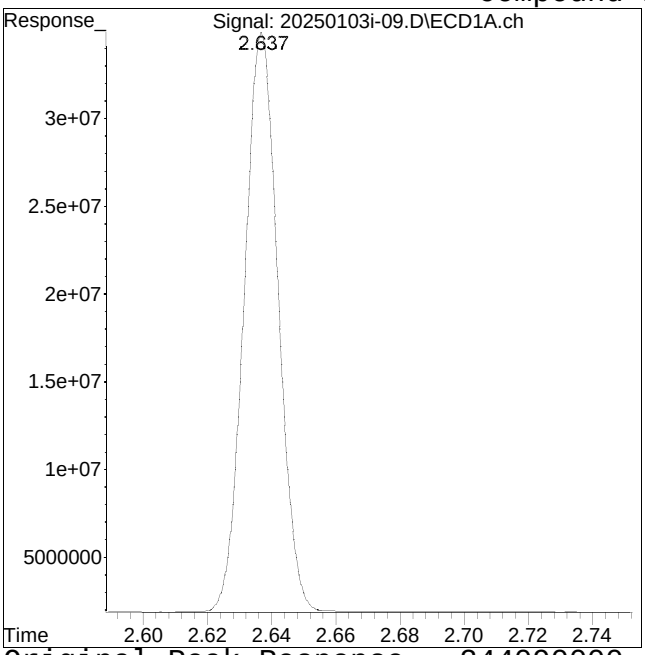


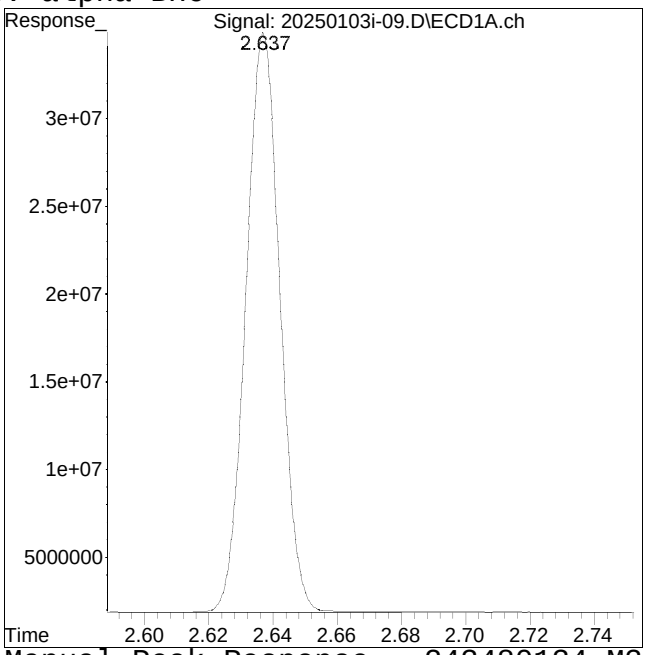
Original Peak Response = 194458042 Manual Peak Response = 193140596 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-09.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:19 Instrument : PEST 20
Sample : il8pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 9:09 am

Compound #4: alpha-BHC





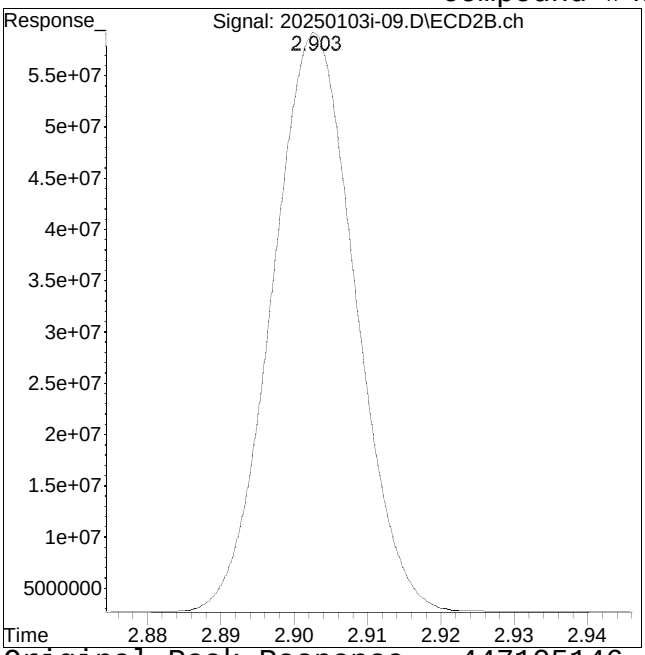
Original Peak Response = 244090000 Manual Peak Response = 243480134 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

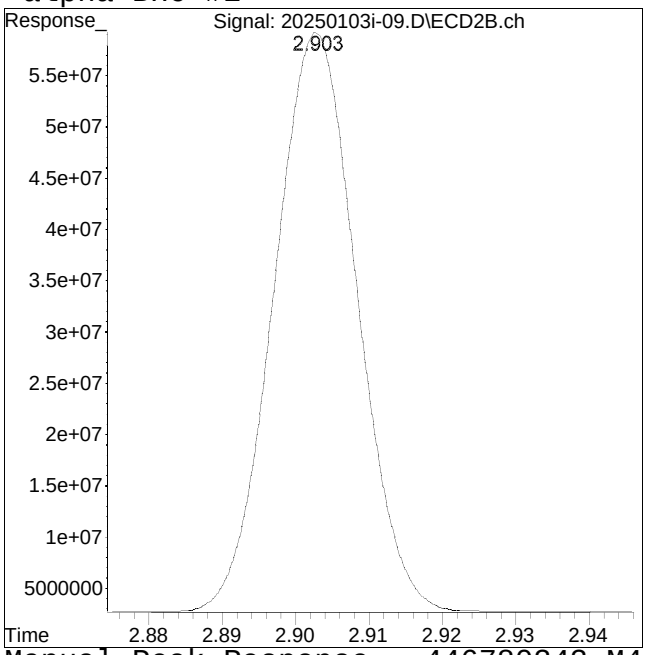
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-09.D
Date Inj'd : 1/3/2025 13:19
Sample : il8pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:09 am

Compound #42: alpha-BHC #2



Original Peak Response = 447105146



Manual Peak Response = 446780343 M4

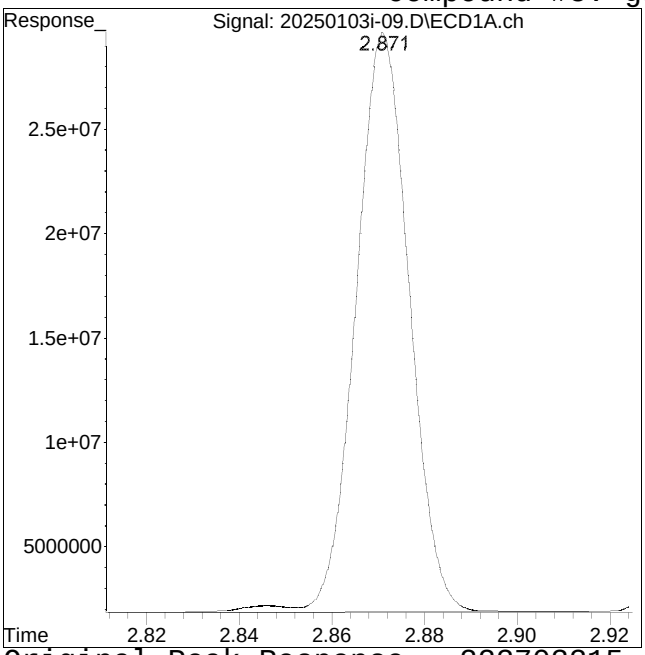
M4 = Poor automated baseline construction.

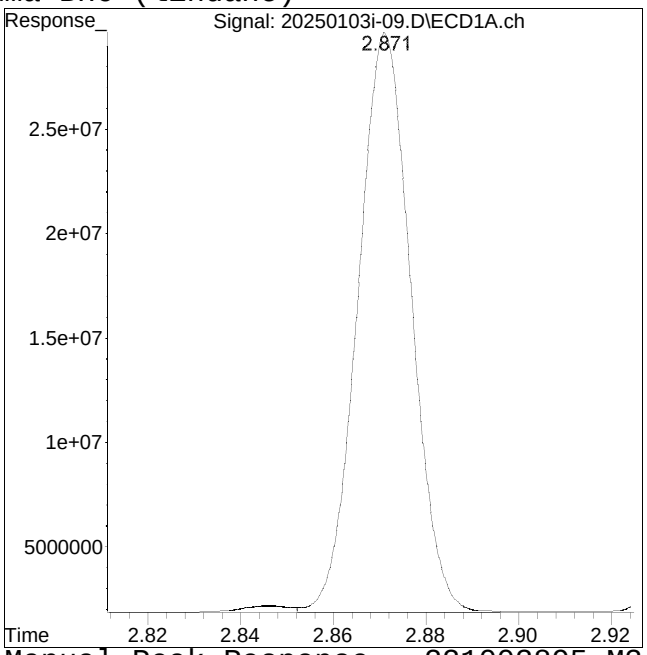
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-09.D
Date Inj'd : 1/3/2025 13:19
Sample : il8pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:09 am

Compound #5: gamma-BHC (lindane)



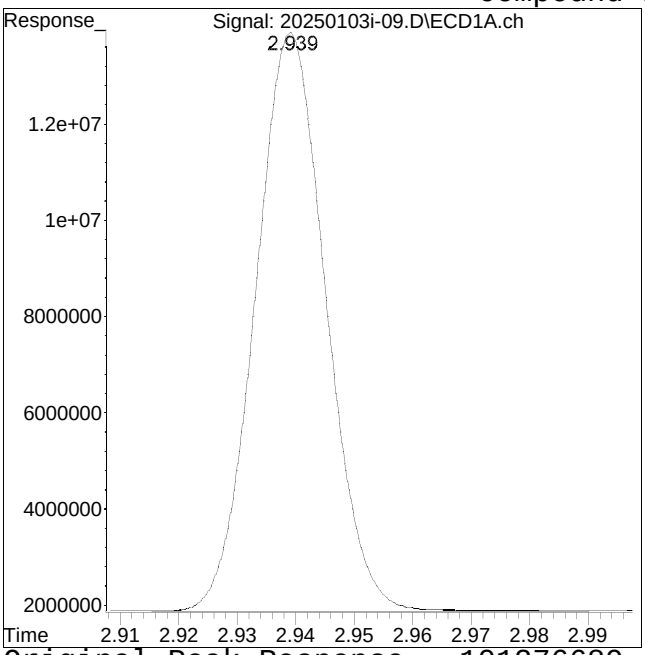


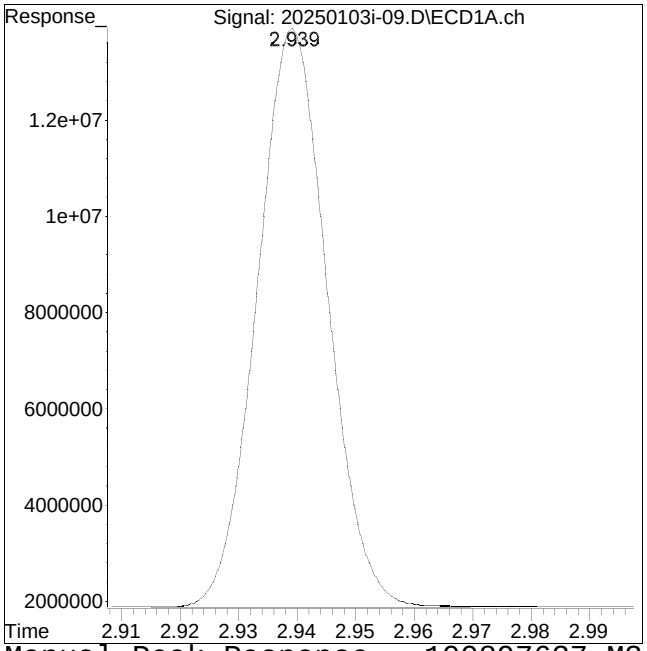
Original Peak Response = 223703315 Manual Peak Response = 221003895 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-09.D
Date Inj'd : 1/3/2025 13:19
Sample : il8pest,42e,,pp 11941 L0.0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:09 am

Compound #6: beta-BHC



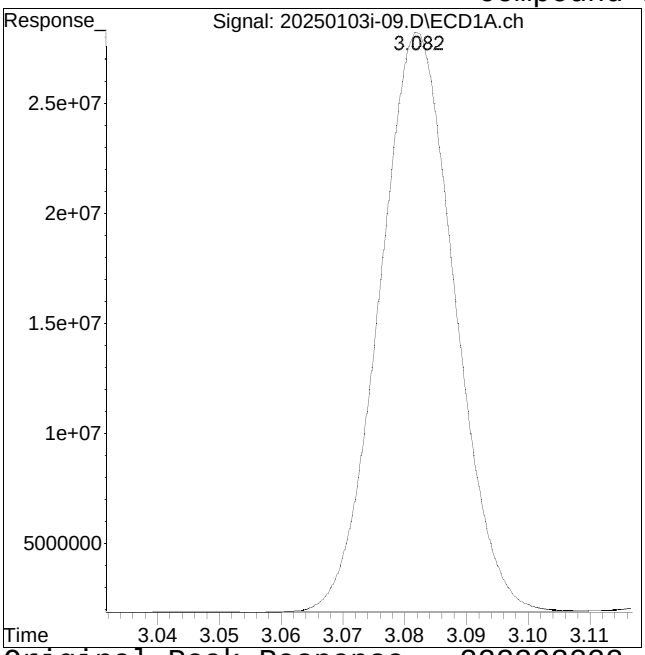


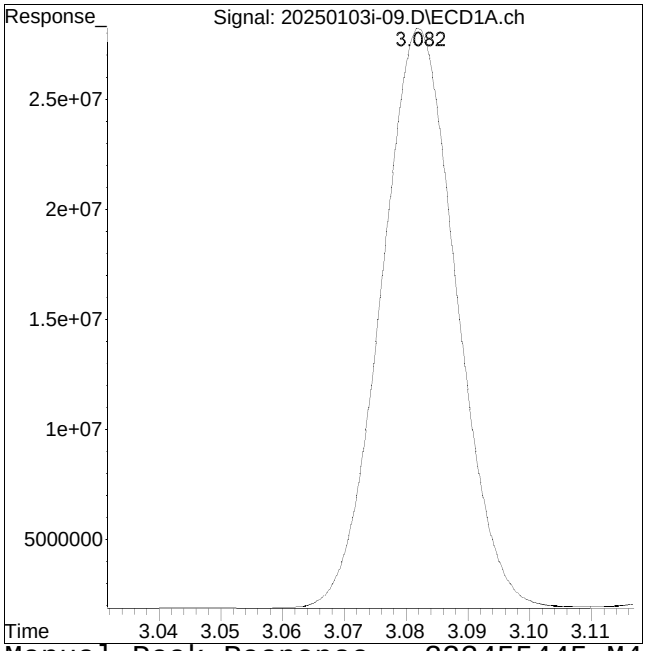
Original Peak Response = 101276689 Manual Peak Response = 100897637 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-09.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:19 Instrument : PEST 20
Sample : il8pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 9:09 am

Compound #7: delta-BHC



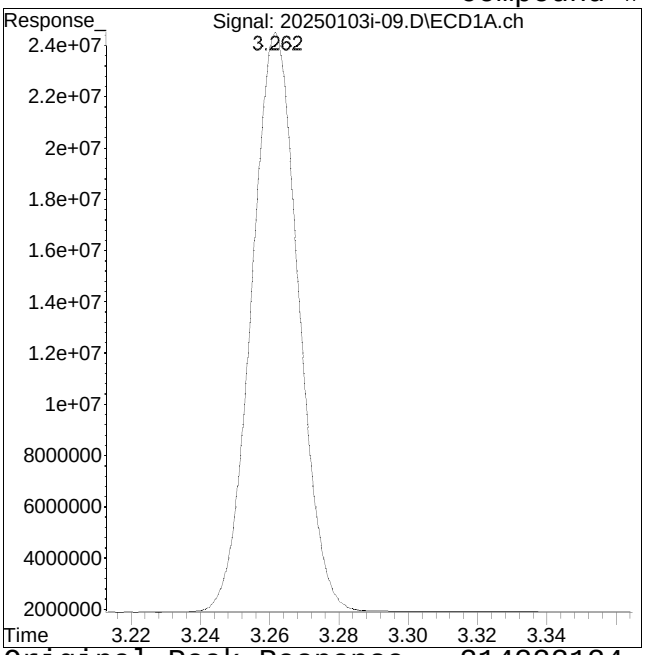


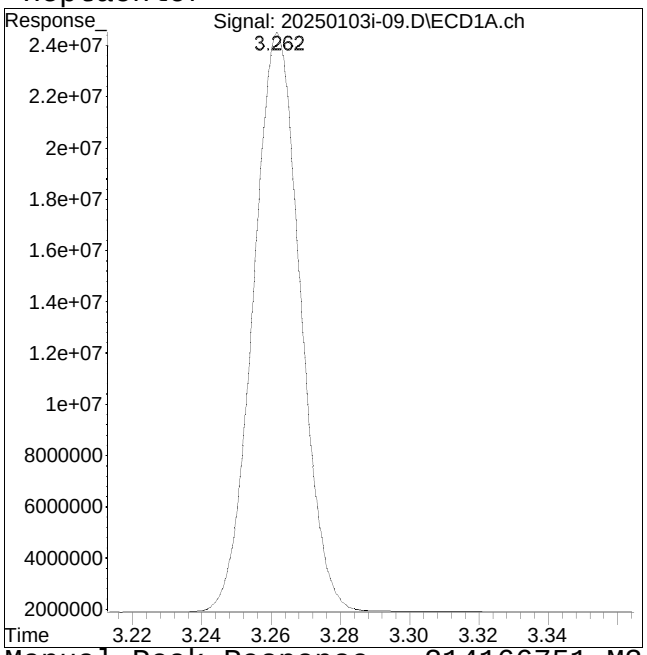
Original Peak Response = 223393222 Manual Peak Response = 223455445 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-09.D
Date Inj'd : 1/3/2025 13:19
Sample : il8pest,42e,,pp 11941 L0.0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:09 am

Compound #8: Heptachlor





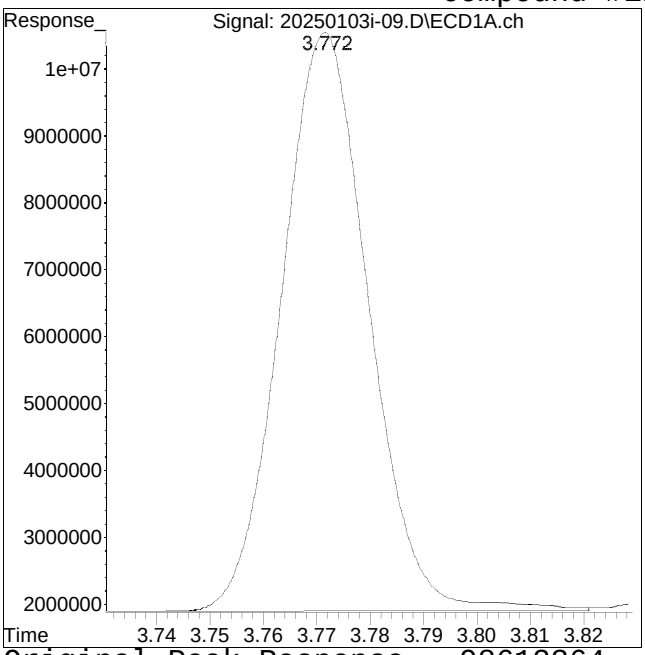
Original Peak Response = 214222124 Manual Peak Response = 214166751 M3

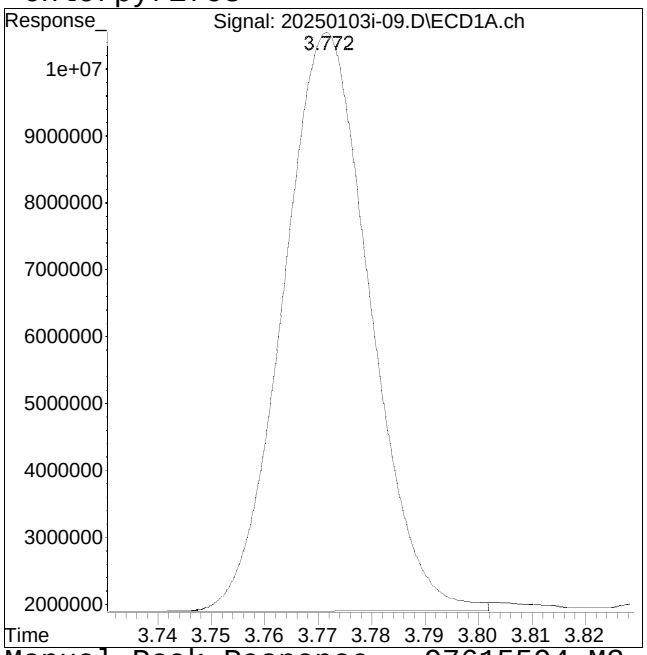
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-09.D
Date Inj'd : 1/3/2025 13:19
Sample : il8pest,42e,,pp 11941 L0.0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:09 am

Compound #11: Chlorpyrifos





Original Peak Response = 98612364 Manual Peak Response = 97615594 M3

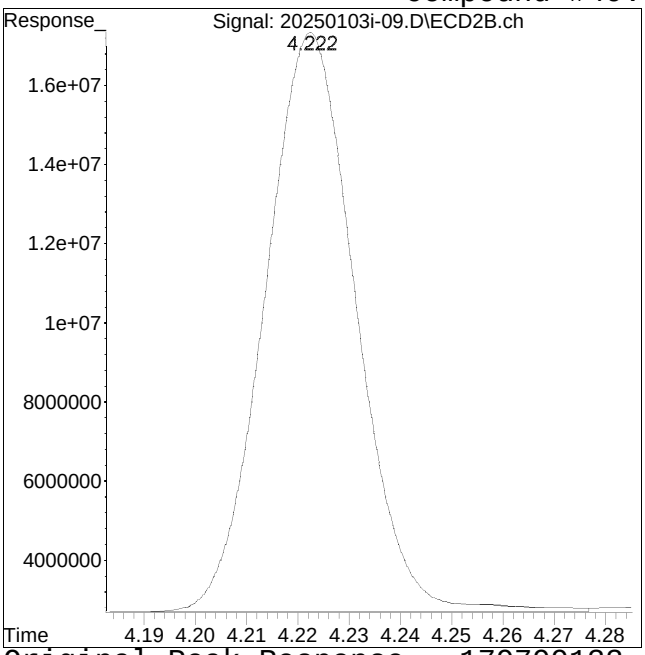
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

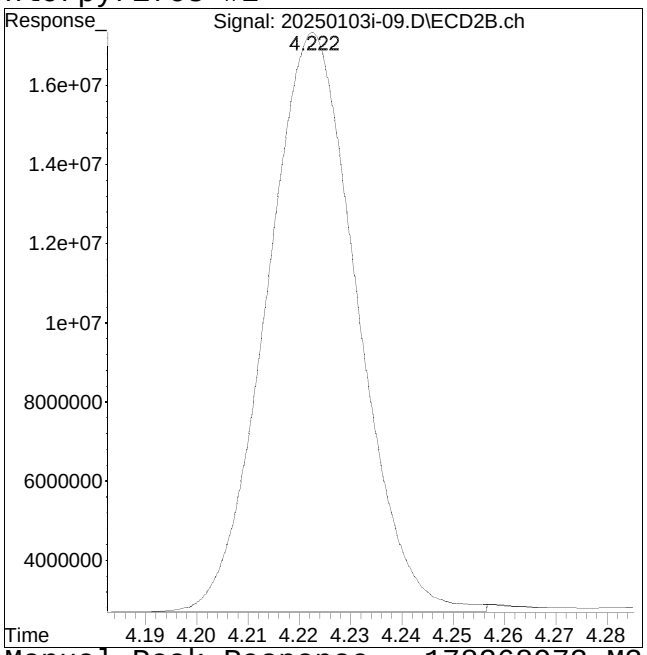
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-09.D
Date Inj'd : 1/3/2025 13:19
Sample : il8pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:09 am

Compound #49: Chlorpyrifos #2





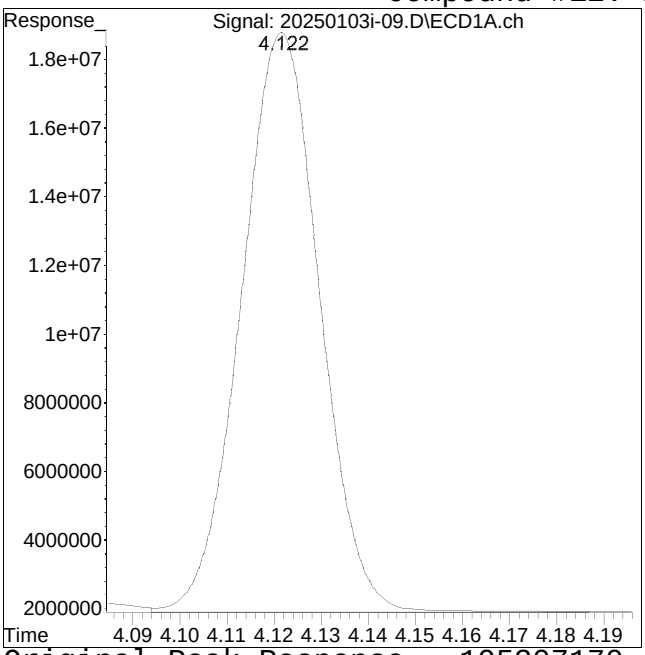
Original Peak Response = 179799133 Manual Peak Response = 178368973 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

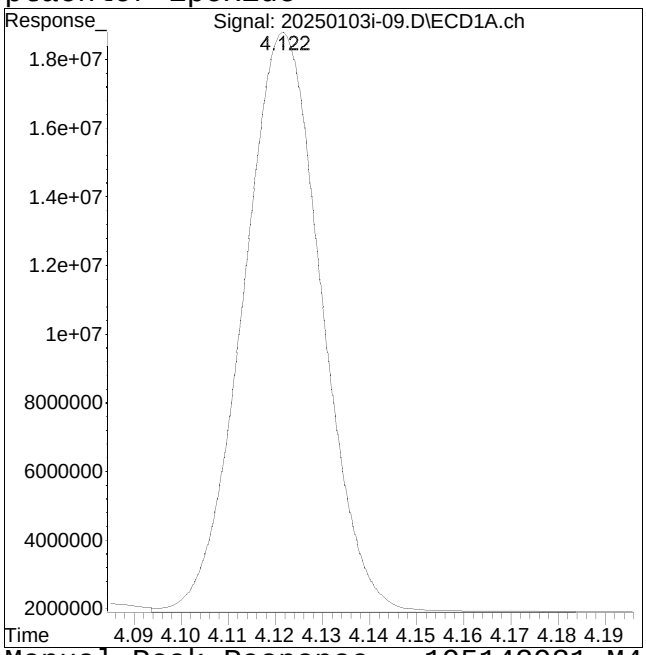
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-09.D
Date Inj'd : 1/3/2025 13:19
Sample : il8pest,42e,,pp 11941 L0.0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:09 am

Compound #12: Heptachlor Epoxide



Original Peak Response = 195307170



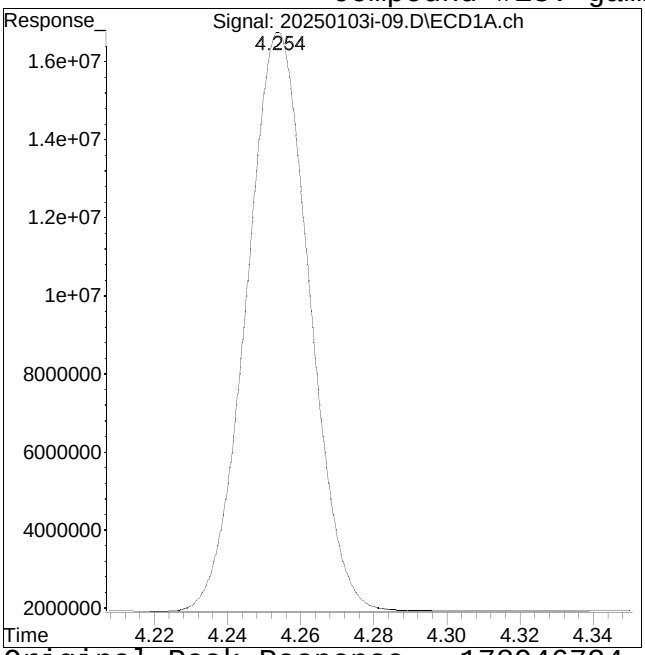
Manual Peak Response = 195142931 M4

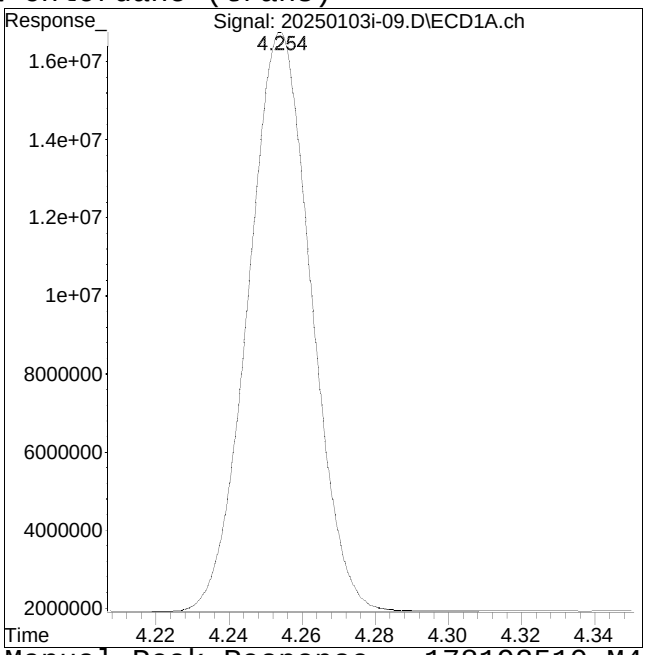
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-09.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:19 Instrument : PEST 20
Sample : il8pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 9:09 am

Compound #13: gamma-Chlordane (trans)



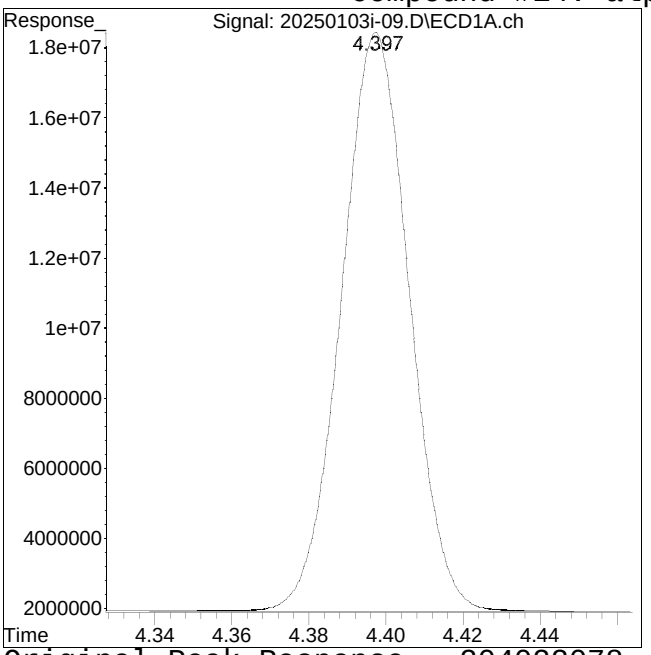


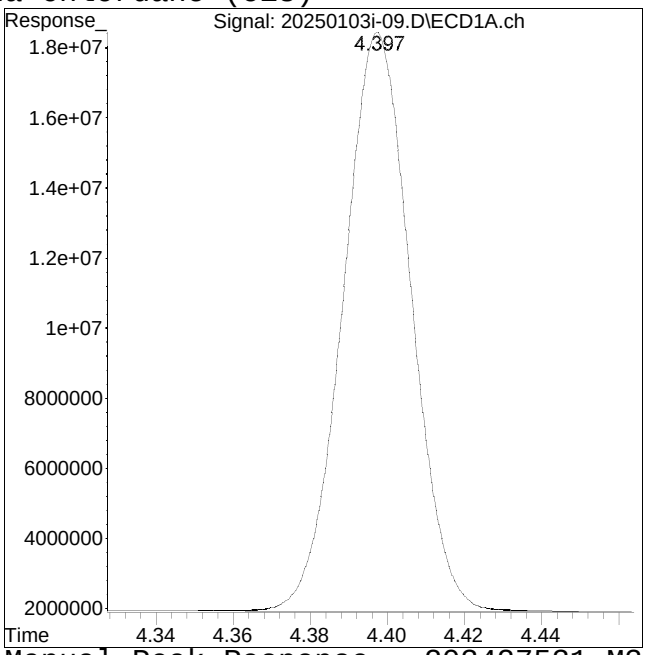
Original Peak Response = 178946724 Manual Peak Response = 178192510 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-09.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:19 Instrument : PEST 20
Sample : il8pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 9:09 am

Compound #14: alpha-Chlordane (cis)





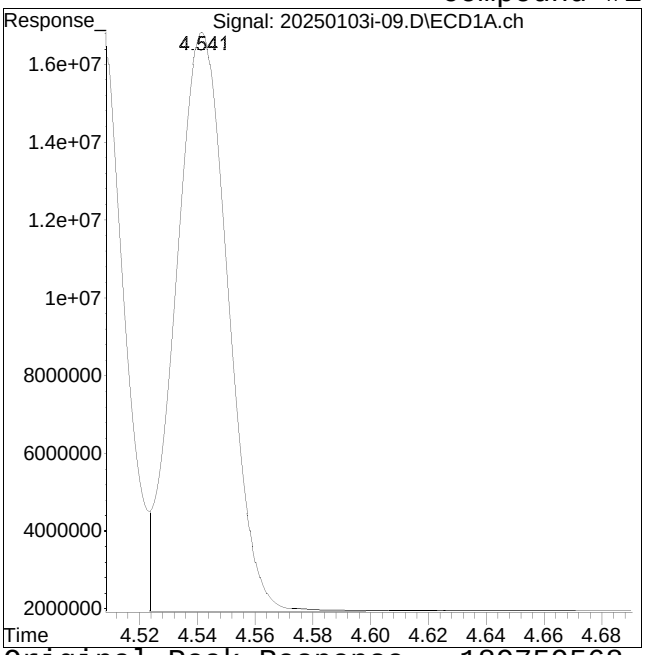
Original Peak Response = 204022078 Manual Peak Response = 203427531 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

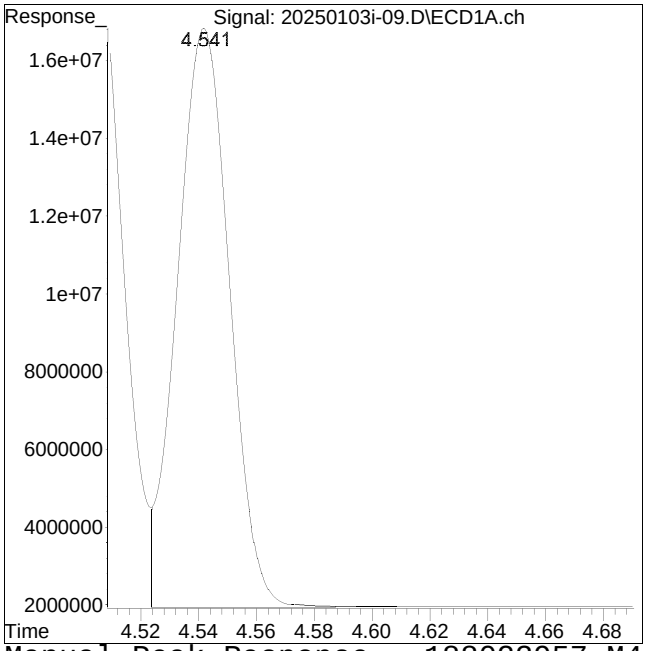
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-09.D
Date Inj'd : 1/3/2025 13:19
Sample : il8pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:09 am

Compound #16: Endosulfan I



Original Peak Response = 189759568



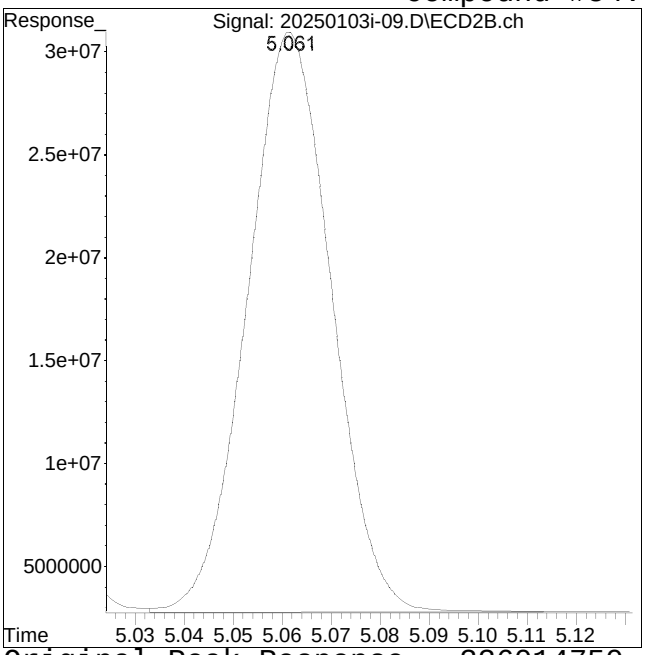
Manual Peak Response = 188023957 M4

M4 = Poor automated baseline construction.

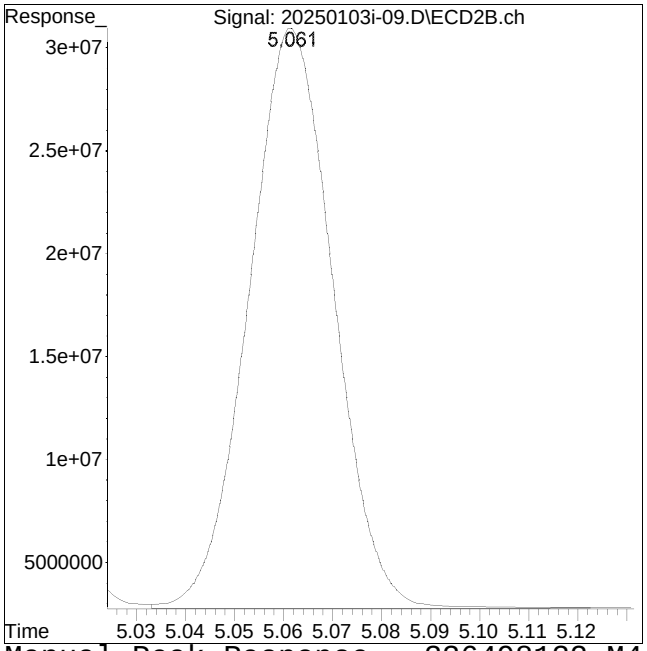
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-09.D
Date Inj'd : 1/3/2025 13:19
Sample : il8pest,42e,,pp 11941 L0.0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:09 am

Compound #54: Endosulfan I #2



Original Peak Response = 336014750



Manual Peak Response = 336498132 M4

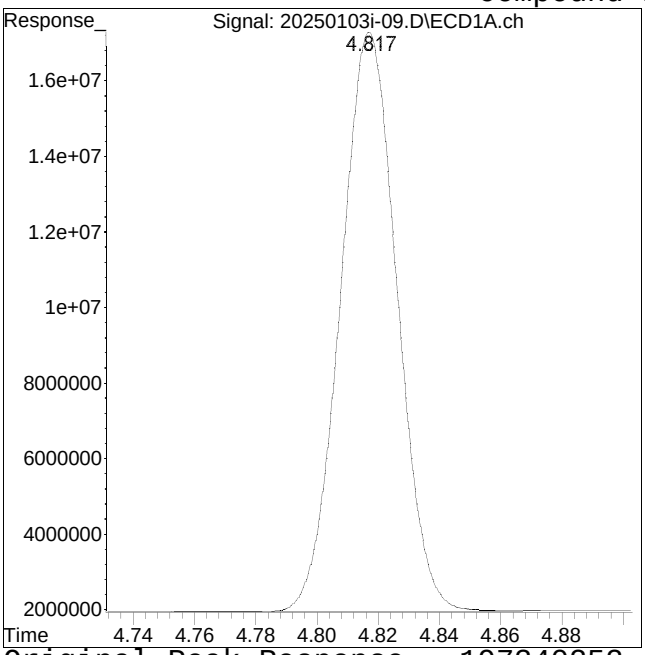
M4 = Poor automated baseline construction.

Manual Integration Report

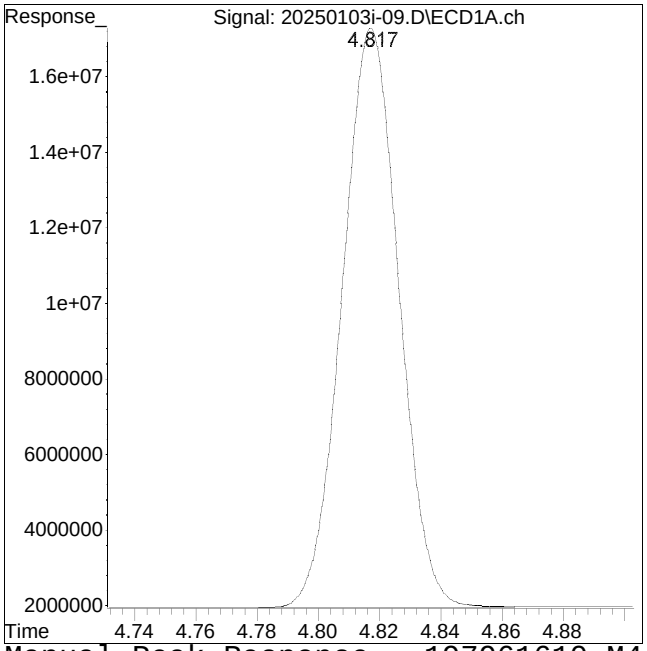
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-09.D
Date Inj'd : 1/3/2025 13:19
Sample : il8pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:09 am

Compound #17: Dieldrin



Original Peak Response = 197340252



Manual Peak Response = 197961610 M4

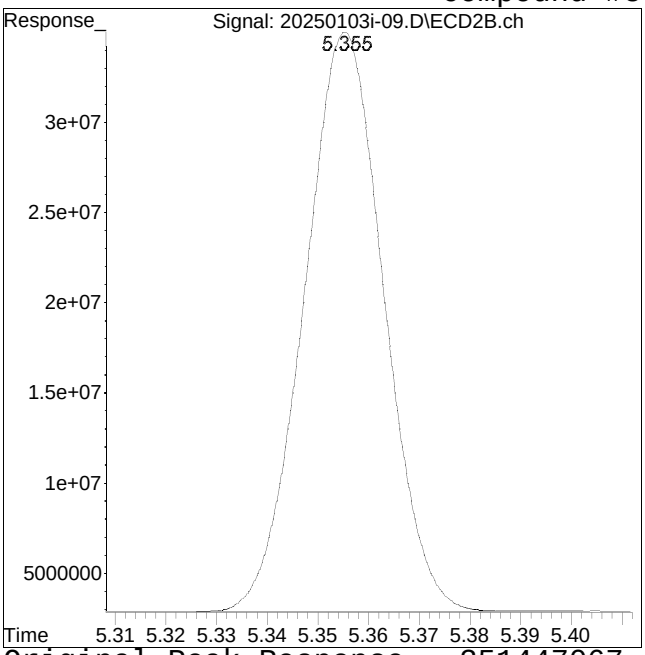
M4 = Poor automated baseline construction.

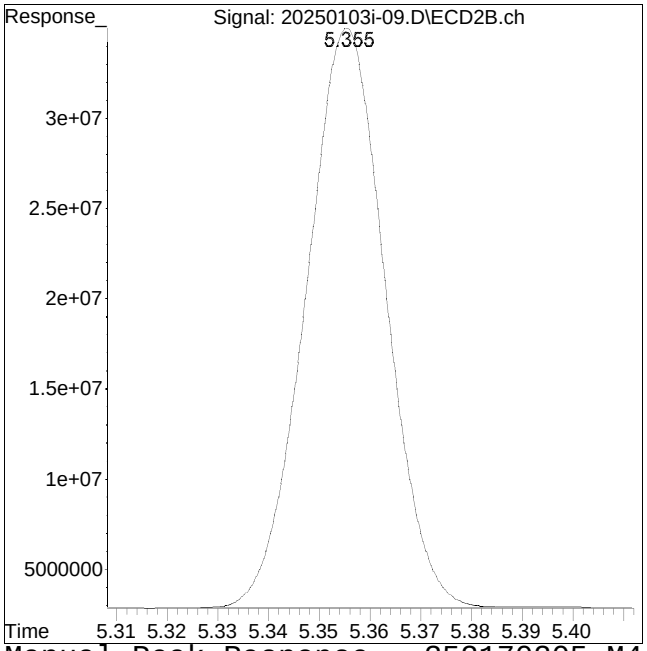
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-09.D
Date Inj'd : 1/3/2025 13:19
Sample : il8pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:09 am

Compound #55: Dieldrin #2





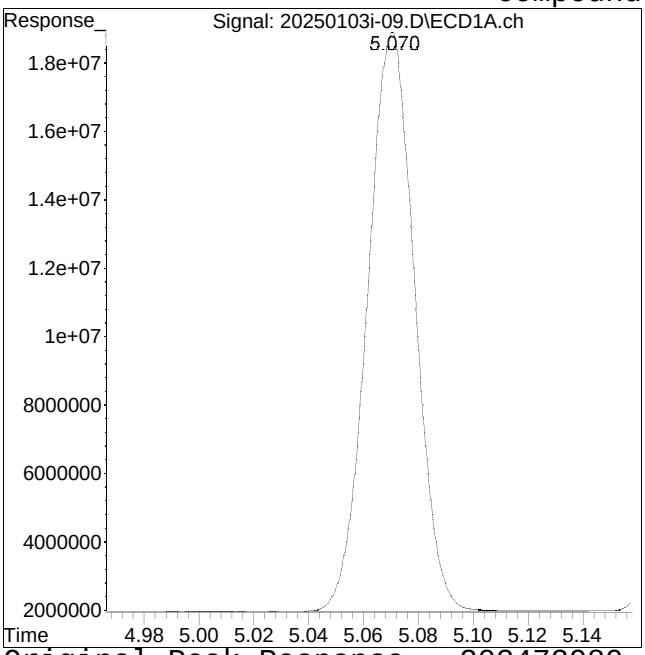
Original Peak Response = 351447067 Manual Peak Response = 352170205 M4
M4 = Poor automated baseline construction.

Manual Integration Report

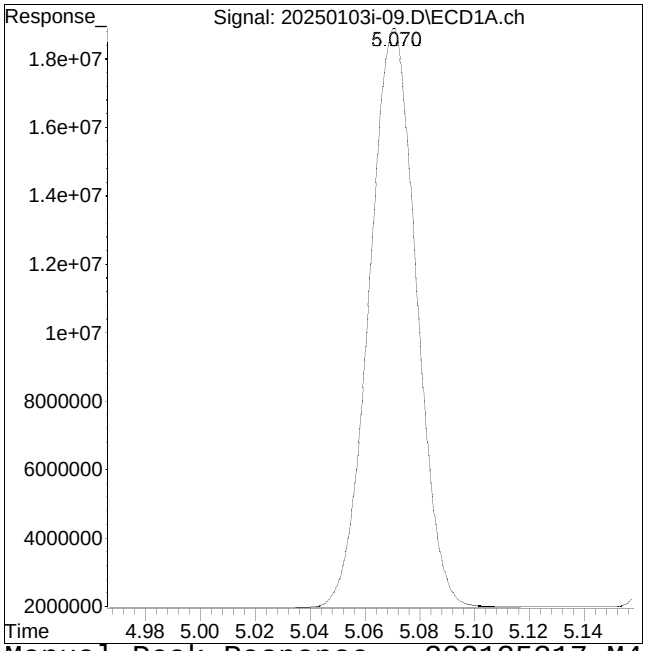
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-09.D
Date Inj'd : 1/3/2025 13:19
Sample : il8pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:09 am

Compound #18: Endrin



Original Peak Response = 203472989



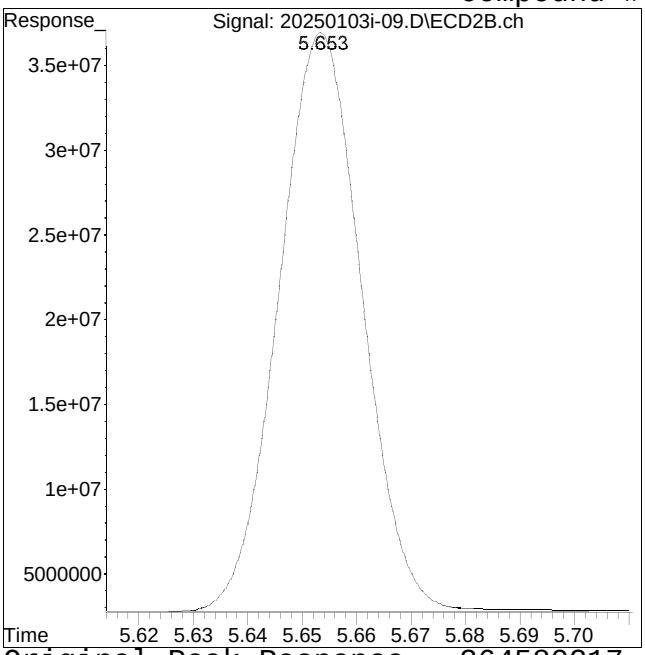
Manual Peak Response = 203135317 M4

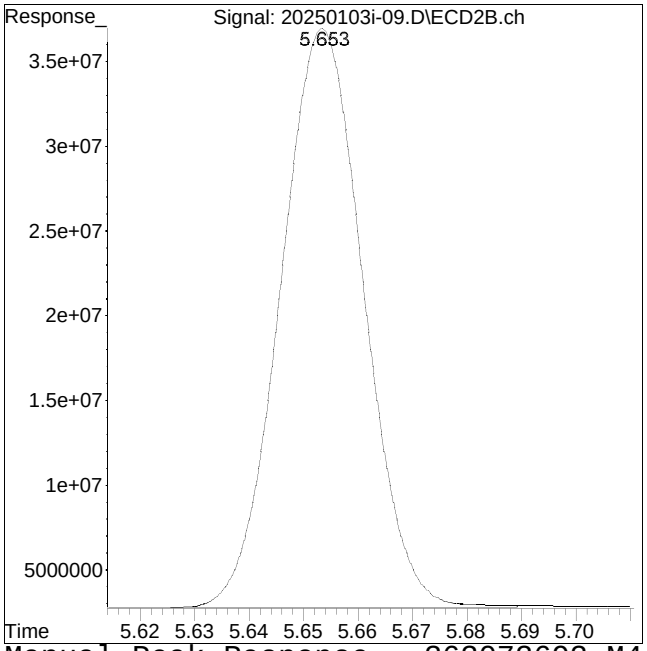
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q Method : pest20_2025_01_03_ugL_IC
Data File : 20250103i-09.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:19 Instrument : PEST 20
Sample : il8pest,42e,,pp 11941 L0.0 Quant Date : 1/6/2025 9:09 am

Compound #56: Endrin #2





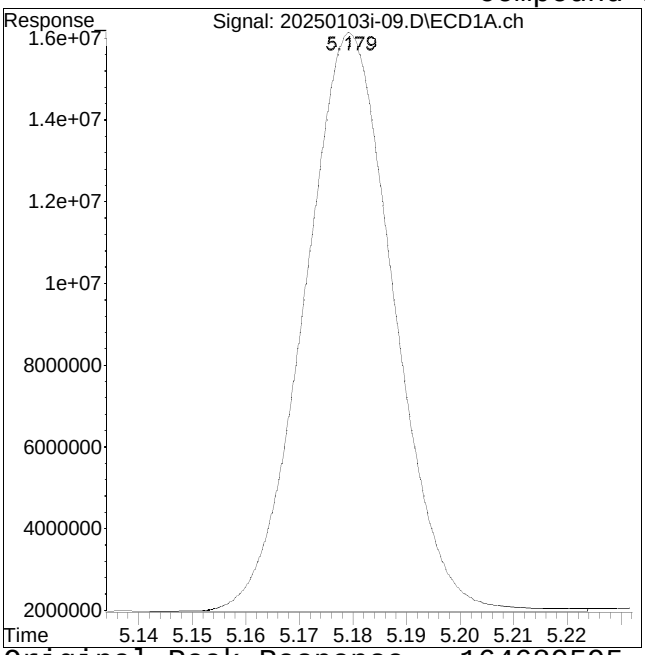
Original Peak Response = 364580217 Manual Peak Response = 363073693 M4
M4 = Poor automated baseline construction.

Manual Integration Report

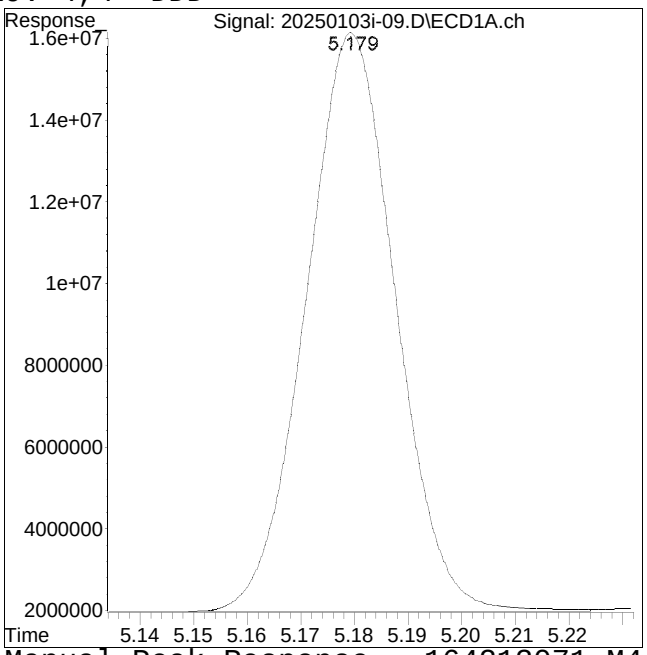
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-09.D
Date Inj'd : 1/3/2025 13:19
Sample : il8pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:09 am

Compound #19: 4,4'-DDD



Original Peak Response = 164689595



Manual Peak Response = 164213071 M4

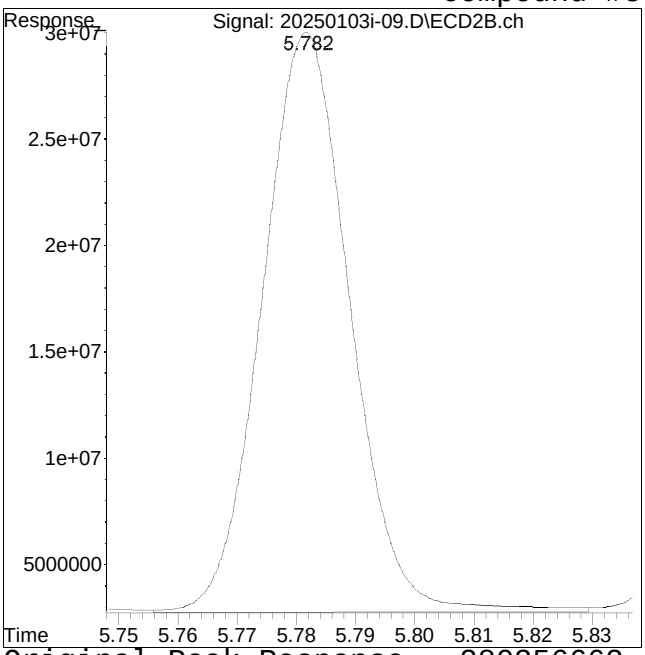
M4 = Poor automated baseline construction.

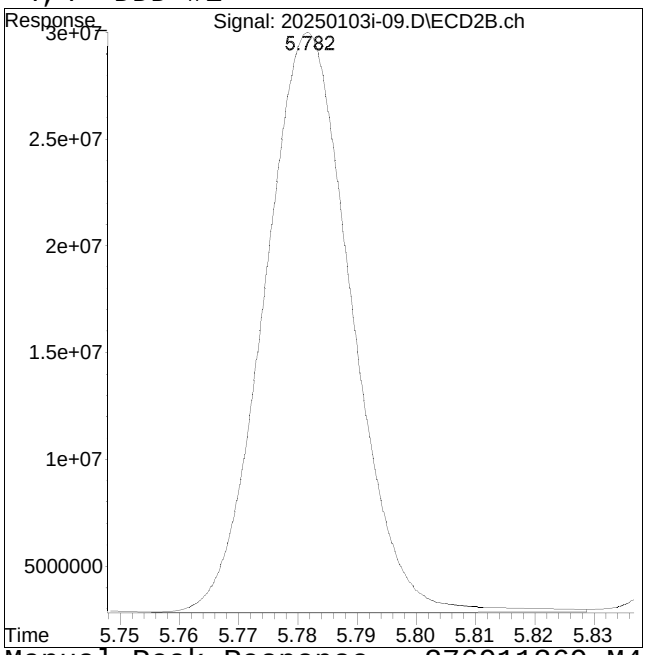
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-09.D
Date Inj'd : 1/3/2025 13:19
Sample : il8pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:09 am

Compound #57: 4,4'-DDD #2



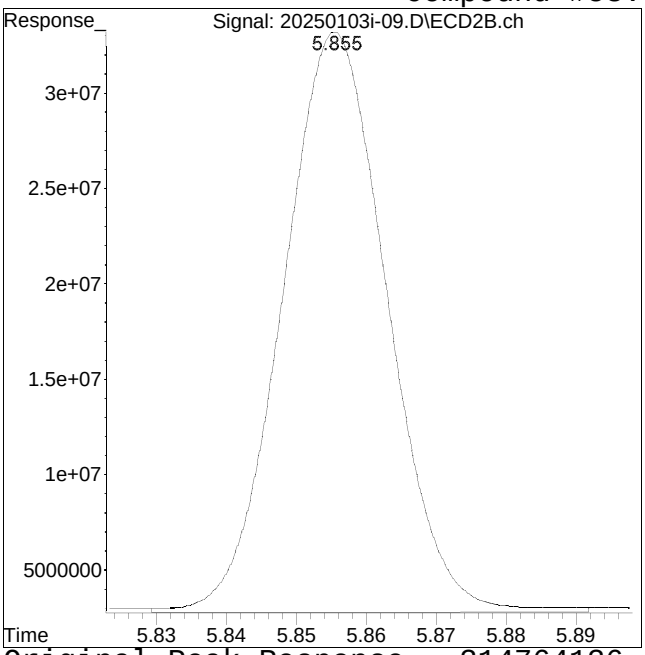


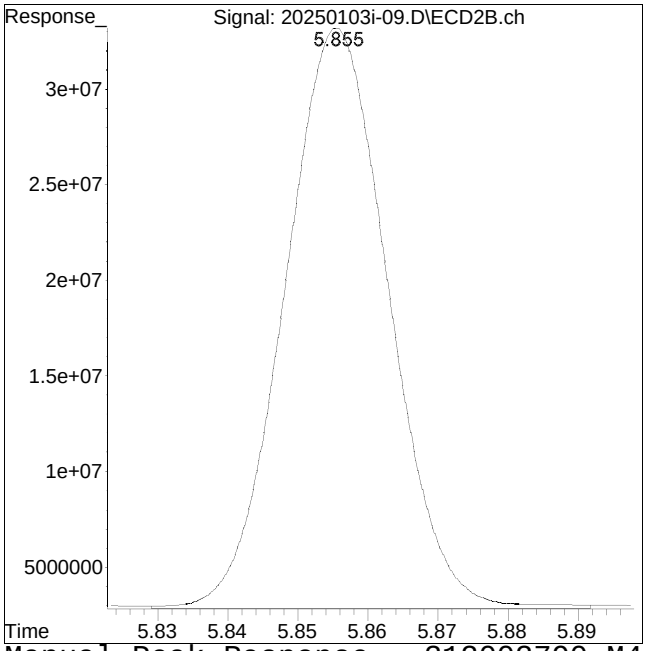
Original Peak Response = 280356662 Manual Peak Response = 276911369 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-09.D
Date Inj'd : 1/3/2025 13:19
Sample : il8pest,42e,,pp 11941 L0.0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:09 am

Compound #58: Endosulfan II #2



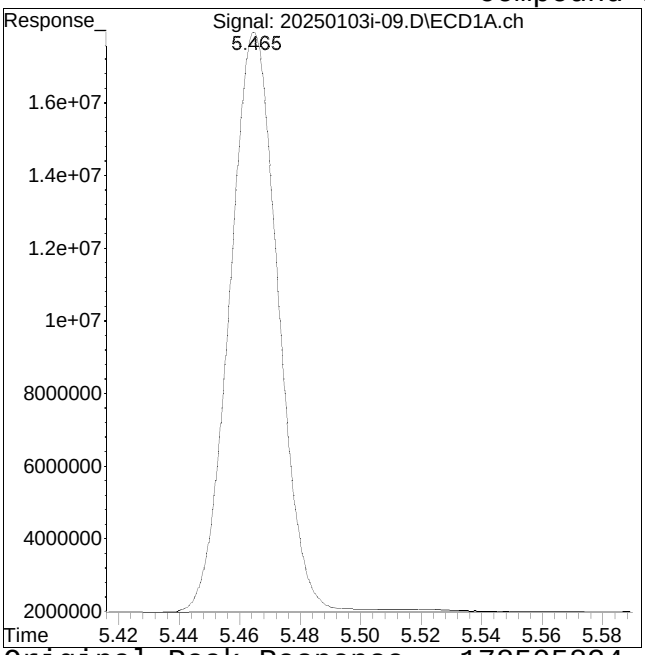


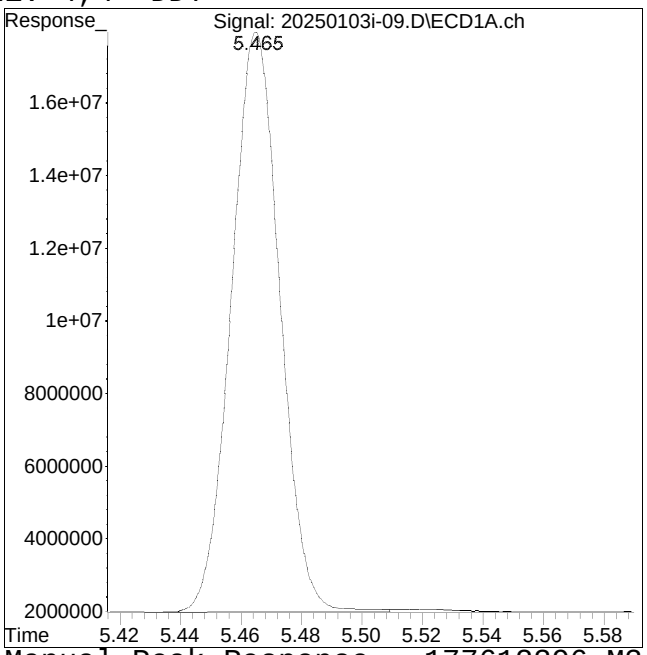
Original Peak Response = 314764136 Manual Peak Response = 312003790 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-09.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:19 Instrument : PEST 20
Sample : il8pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 9:09 am

Compound #21: 4,4'-DDT



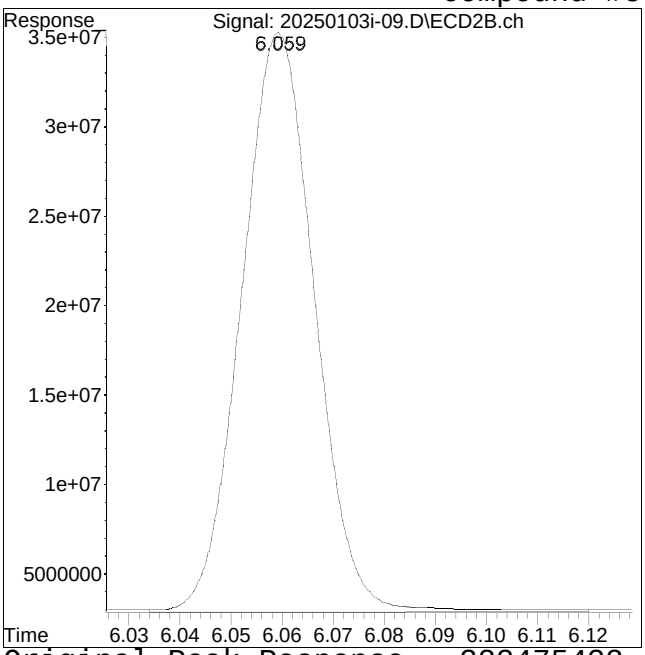


Original Peak Response = 178505834 Manual Peak Response = 177612396 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

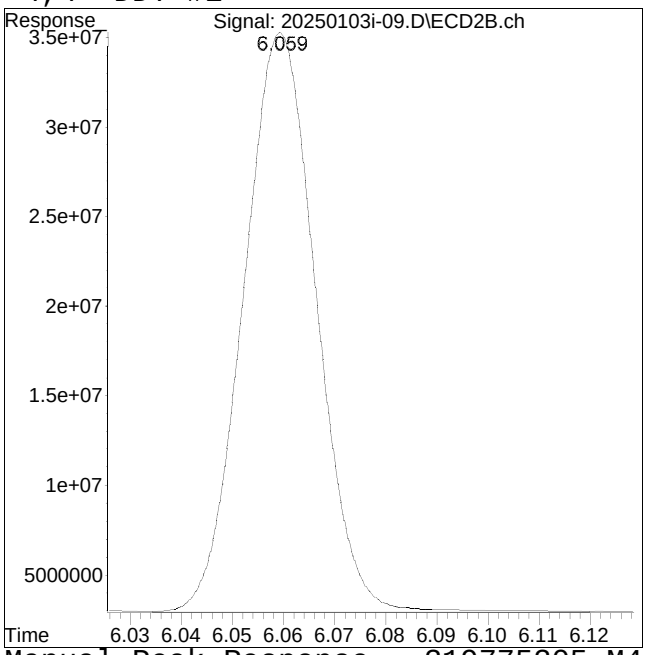
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-09.D
Date Inj'd : 1/3/2025 13:19
Sample : il8pest,42e,,pp 11941 L0.0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:09 am

Compound #59: 4,4'-DDT #2



Original Peak Response = 323475432



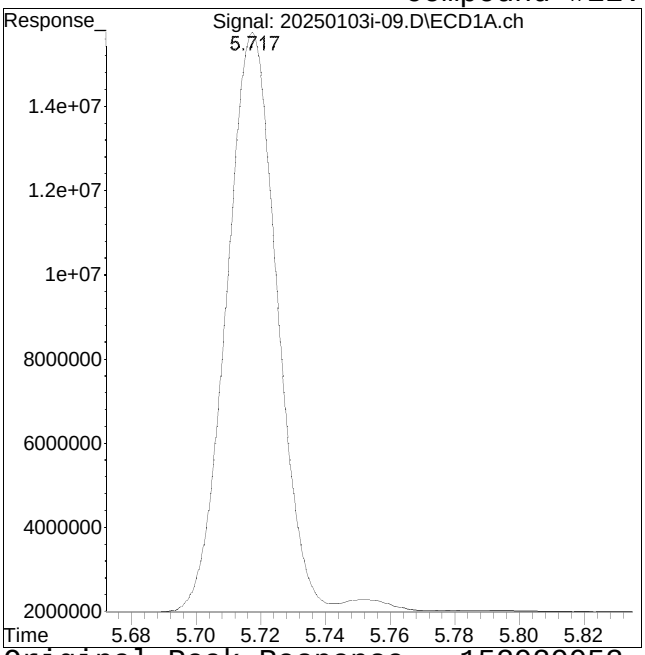
Manual Peak Response = 319775305 M4

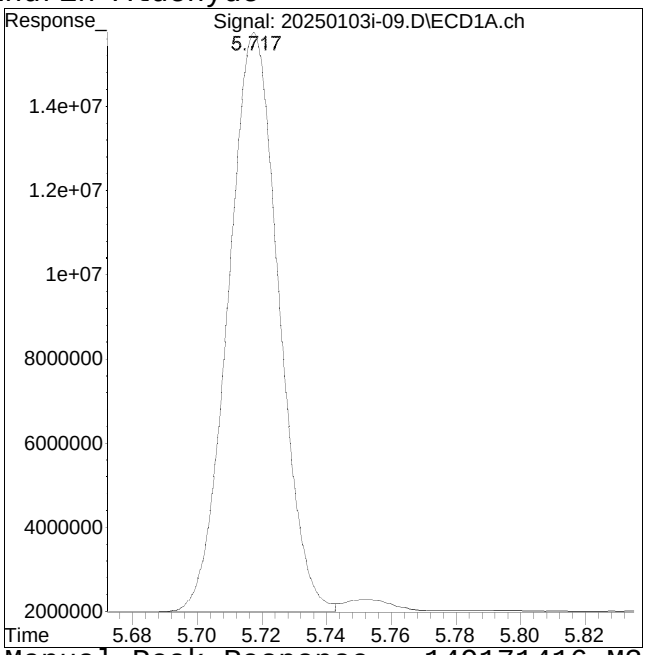
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-09.D
Date Inj'd : 1/3/2025 13:19
Sample : il8pest,42e,,pp 11941 L0.0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:09 am

Compound #22: Endrin Aldehyde





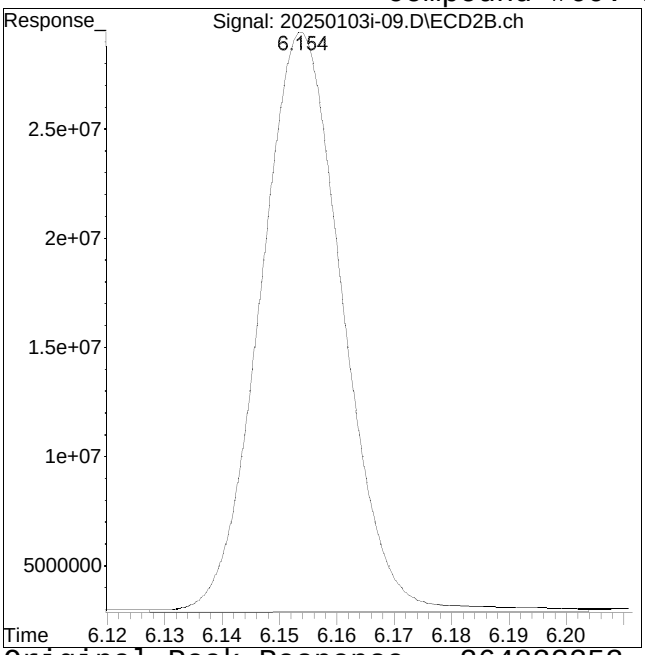
Original Peak Response = 152929953 Manual Peak Response = 149171416 M3

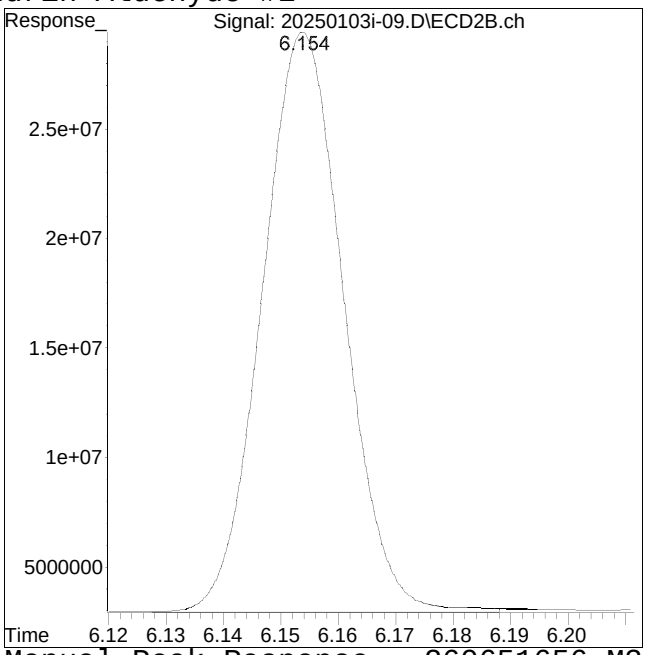
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-09.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:19 Instrument : PEST 20
Sample : il8pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 9:09 am

Compound #60: Endrin Aldehyde #2



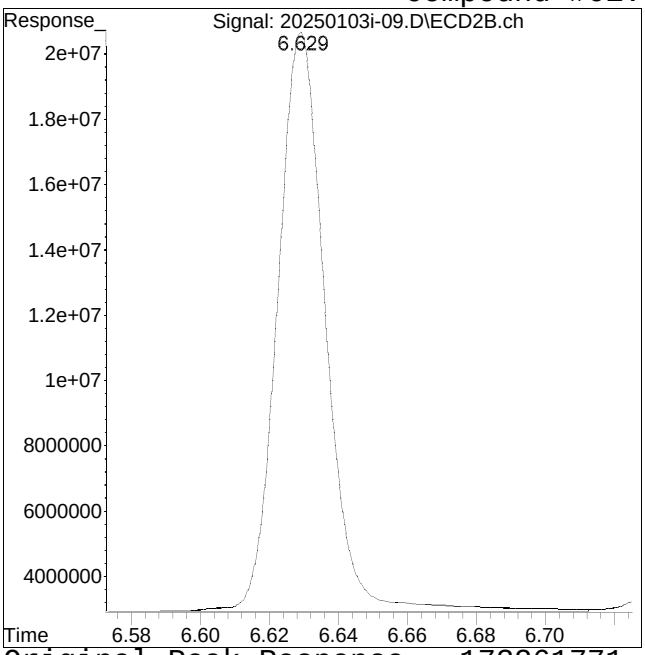


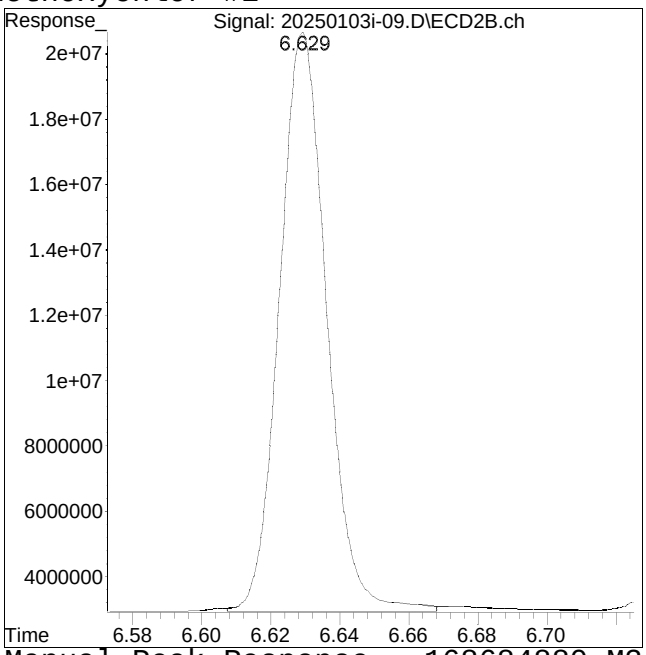
Original Peak Response = 264833353 Manual Peak Response = 260651656 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-09.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:19 Instrument : PEST 20
Sample : il8pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 9:09 am

Compound #61: Methoxychlor #2





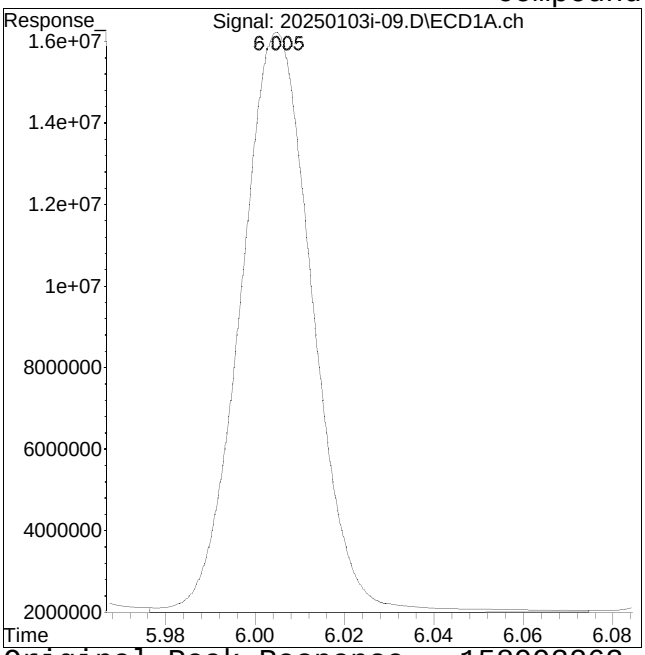
Original Peak Response = 173261771 Manual Peak Response = 168684880 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

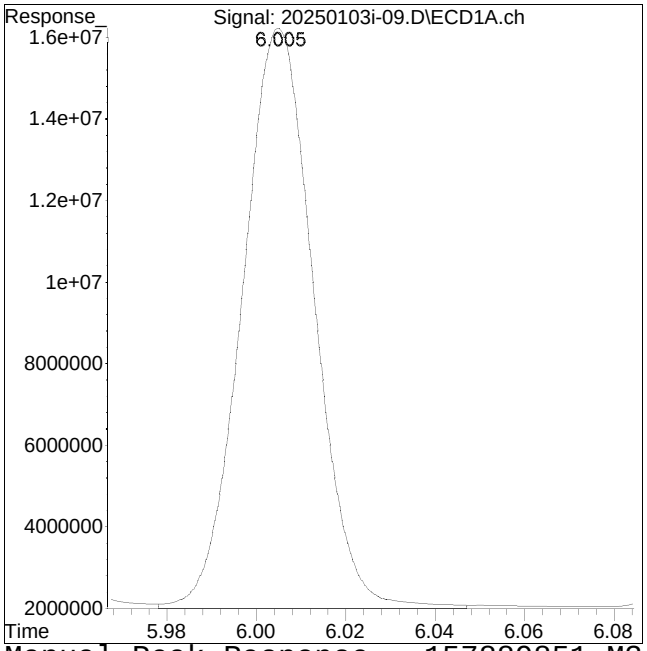
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-09.D
Date Inj'd : 1/3/2025 13:19
Sample : il8pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:09 am

Compound #24: Mirex





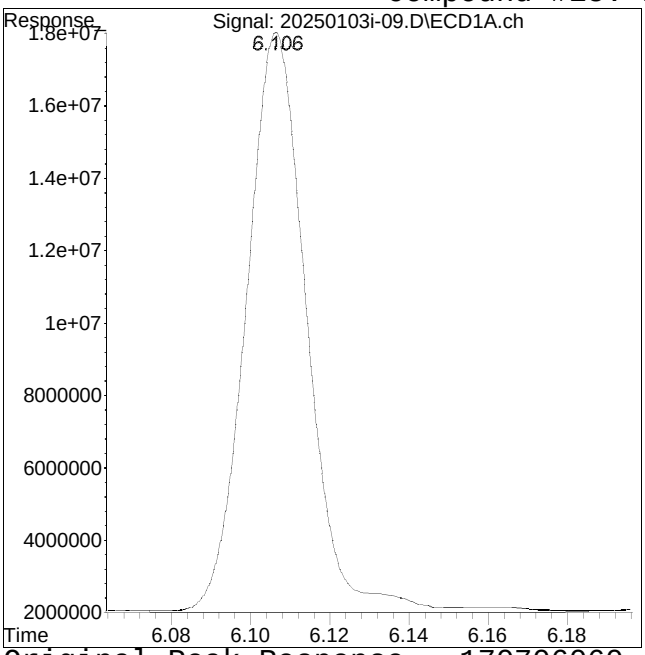
Original Peak Response = 158993263 Manual Peak Response = 157889851 M3

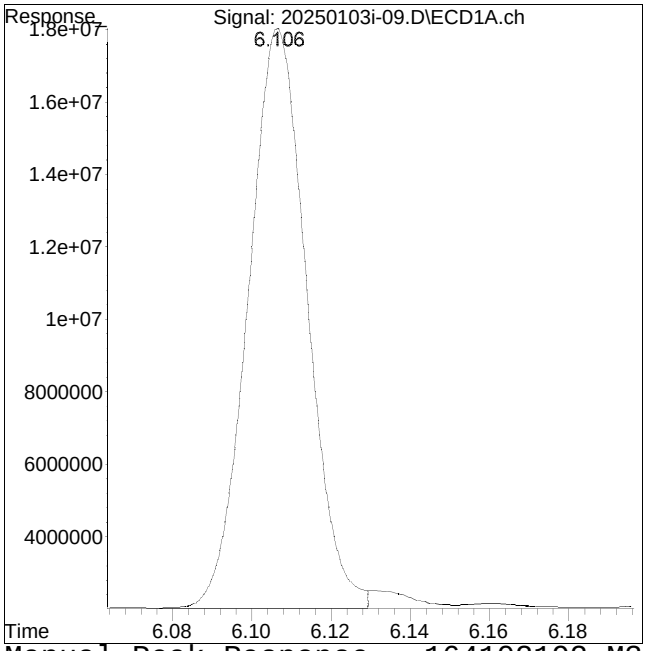
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-09.D
Date Inj'd : 1/3/2025 13:19
Sample : il8pest,42e,,pp 11941 L0.0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:09 am

Compound #25: Endosulfan Sulfate



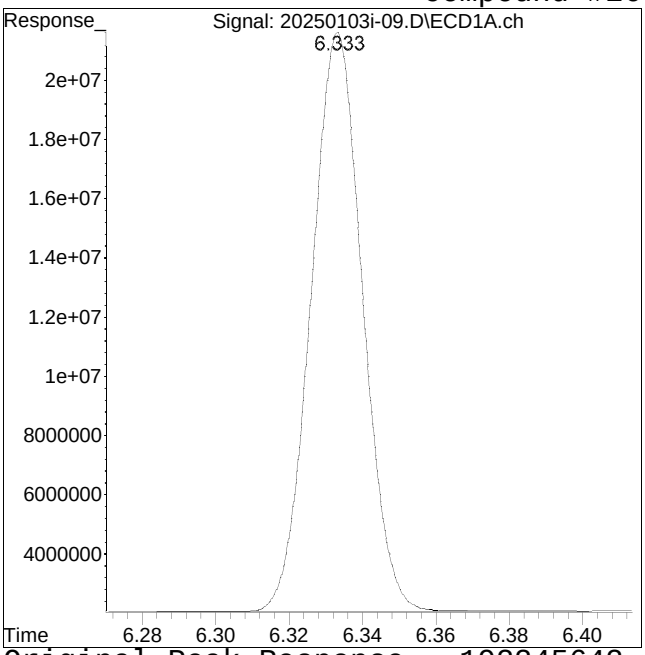


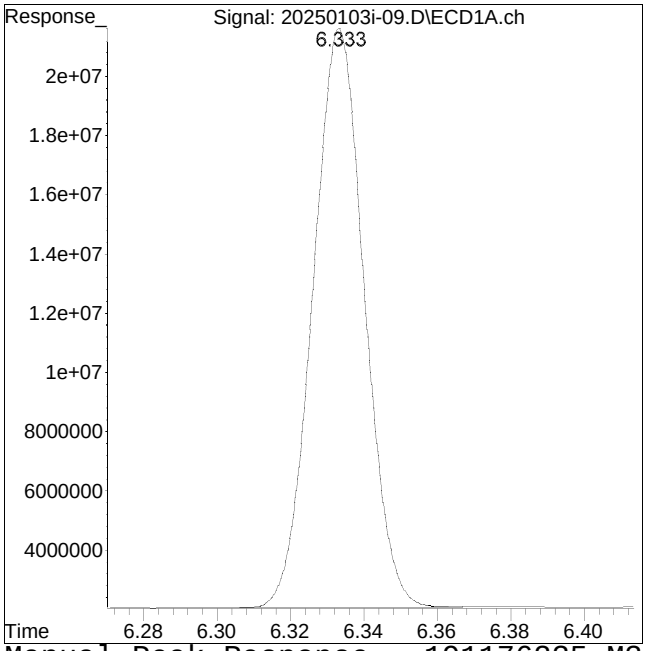
Original Peak Response = 170706060 Manual Peak Response = 164102192 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-09.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:19 Instrument : PEST 20
Sample : il8pest,42e,,pp 11941 L0.0Quant Date : 1/6/2025 9:09 am

Compound #26: Endrin Ketone



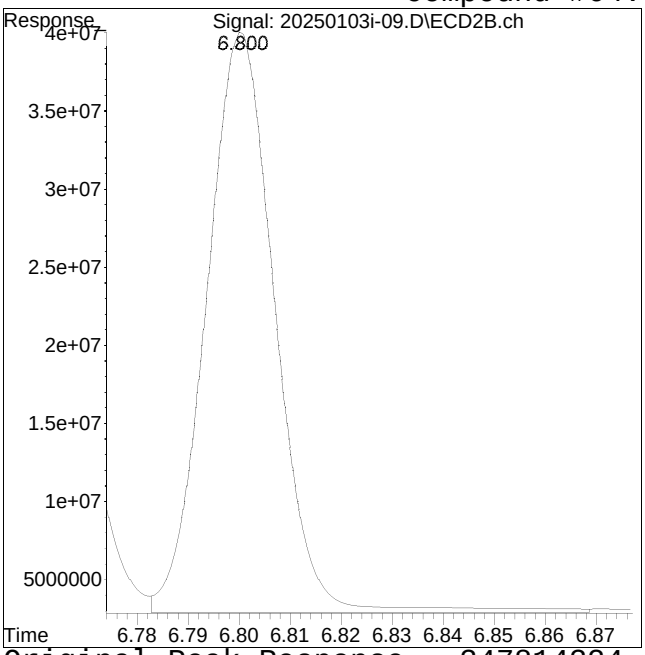


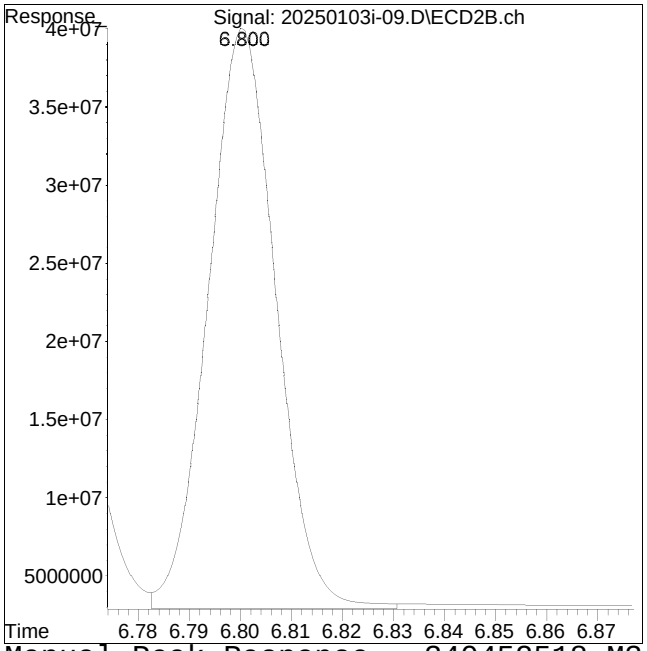
Original Peak Response = 192245642 Manual Peak Response = 191176235 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-09.D
Date Inj'd : 1/3/2025 13:19
Sample : il8pest,42e,,pp 11941 L0.0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:09 am

Compound #64: Endrin Ketone #2





Original Peak Response = 347814324 Manual Peak Response = 340452518 M3

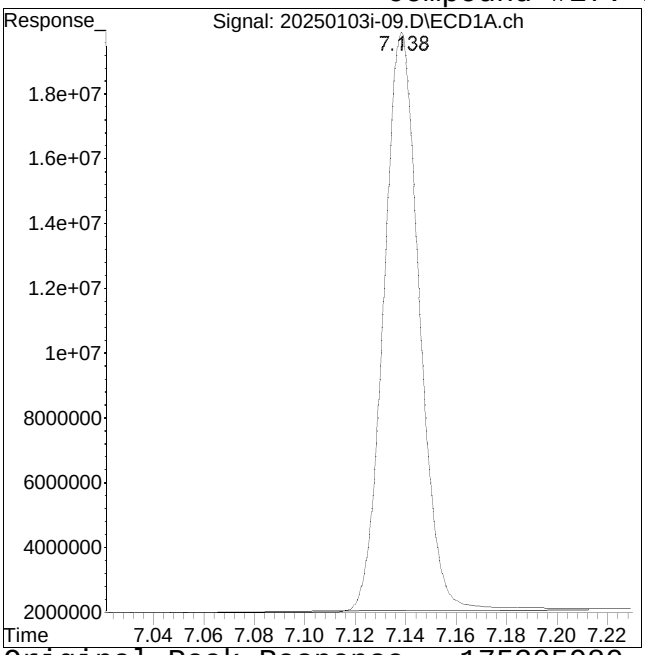
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

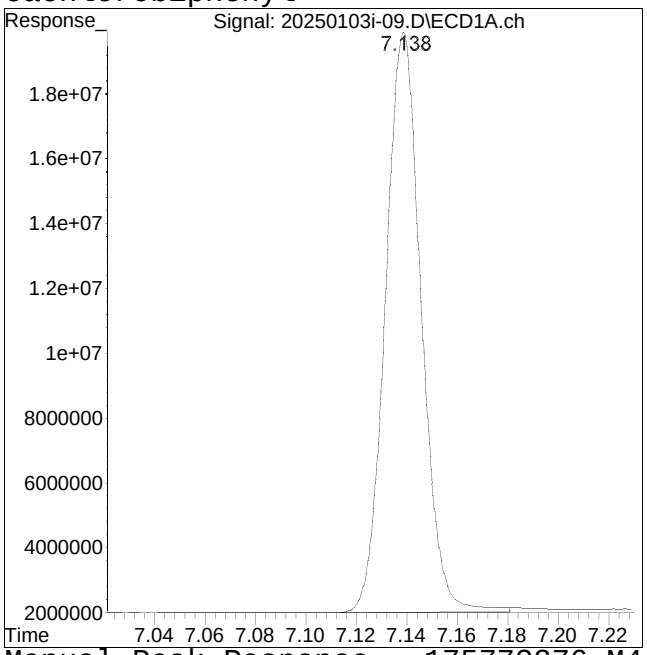
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-09.D
Date Inj'd : 1/3/2025 13:19
Sample : il8pest,42e,,pp 11941 L0.0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:09 am

Compound #27: Decachlorobiphenyl





Original Peak Response = 175305980 Manual Peak Response = 175772276 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-10.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 13:31
Operator : pest20:ejl
Sample : il9pest,42e,,pp 11941 L0.1
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 09:17:17 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 09:17:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.801	1.852	82217850	151.3E6	25.000M3	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.259	2.434	357.2E6	631.8E6	98.918M3	98.311M3
	Spiked Amount 50.000	Range 30 - 150		Recovery =		197.84%#	196.62%#
27) s	Decachlorobi	7.139	7.698	331.1E6	513.3E6	97.422M3	98.473M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		194.84%#	196.95%#
	Target Compounds						
3)	Hexachlorobe	2.517	2.794	367.6E6	645.0E6	98.419M3	98.176
4)	alpha-BHC	2.636	2.903	474.1E6	869.6E6	100.691M3	100.967M4
5)	gamma-BHC (l	2.871	3.212	431.3E6	790.3E6	100.916M3	100.498
6)	beta-BHC	2.939	3.288	191.6E6	352.0E6	98.194M3	98.689
7)	delta-BHC	3.082	3.570	439.6E6	802.3E6	101.740	101.849
8)	Heptachlor	3.261	3.631	412.2E6	744.9E6	99.524M4	100.716
9)	Aldrin	3.528	3.964	404.9E6	716.1E6	100.779M4	100.258
10)	Alachlor	3.671	3.854	63928116	104.2E6	93.760M4	93.731M4
11)	Chlorpyrifos	3.771	4.223	177.9E6	326.0E6	94.229M3	94.813M3
12)	Heptachlor E	4.122	4.605	377.3E6	685.1E6	99.979	100.885M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-10.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 13:31
Operator : pest20:ejl
Sample : il9pest,42e,,pp 11941 L0.1
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 09:17:17 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 09:17:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
13)		gamma-Chlord	4.254	4.834	343.0E6	614.1E6	99.538M3	99.859
14)		alpha-Chlord	4.397	5.003	388.7E6	682.2E6	98.806M3	99.750
15)		4,4'-DDE	4.505	5.205	398.9E6	674.4E6	100.062	100.432M4
16)		Endosulfan I	4.542	5.063	359.9E6	645.7E6	98.993M3	99.549
17)		Dieldrin	4.818	5.356	383.7E6	680.1E6	100.227M4	100.175M4
18)		Endrin	5.070	5.654	393.0E6	696.1E6	100.046M4	99.458M4
19)		4,4'-DDD	5.179	5.782	317.4E6	534.2E6	99.944M4	100.083M4
20)		Endosulfan I	5.306	5.856	334.6E6	593.9E6	98.765M4	98.754M3
21)		4,4'-DDT	5.465	6.060	345.9E6	609.2E6	100.706M4	98.821M4
22)		Endrin Aldeh	5.718	6.155	287.4E6	506.5E6	99.624M3	100.810M4
23)		Methoxychlor	5.945	6.630	184.1E6	315.6E6	95.639	97.063M3
24)		Mirex	6.005	6.764	294.0E6	491.1E6	96.300M3	96.820
25)		Endosulfan S	6.107	6.385	311.3E6	552.1E6	98.107M3	98.205M3
26)		Endrin Keton	6.333	6.801	363.1E6	653.3E6	98.234M3	99.540
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32)	l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-10.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 13:31
Operator : pest20:ejl
Sample : il9pest,42e,,pp 11941 L0.1
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 09:17:17 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 09:17:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Sum chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

	Sum toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

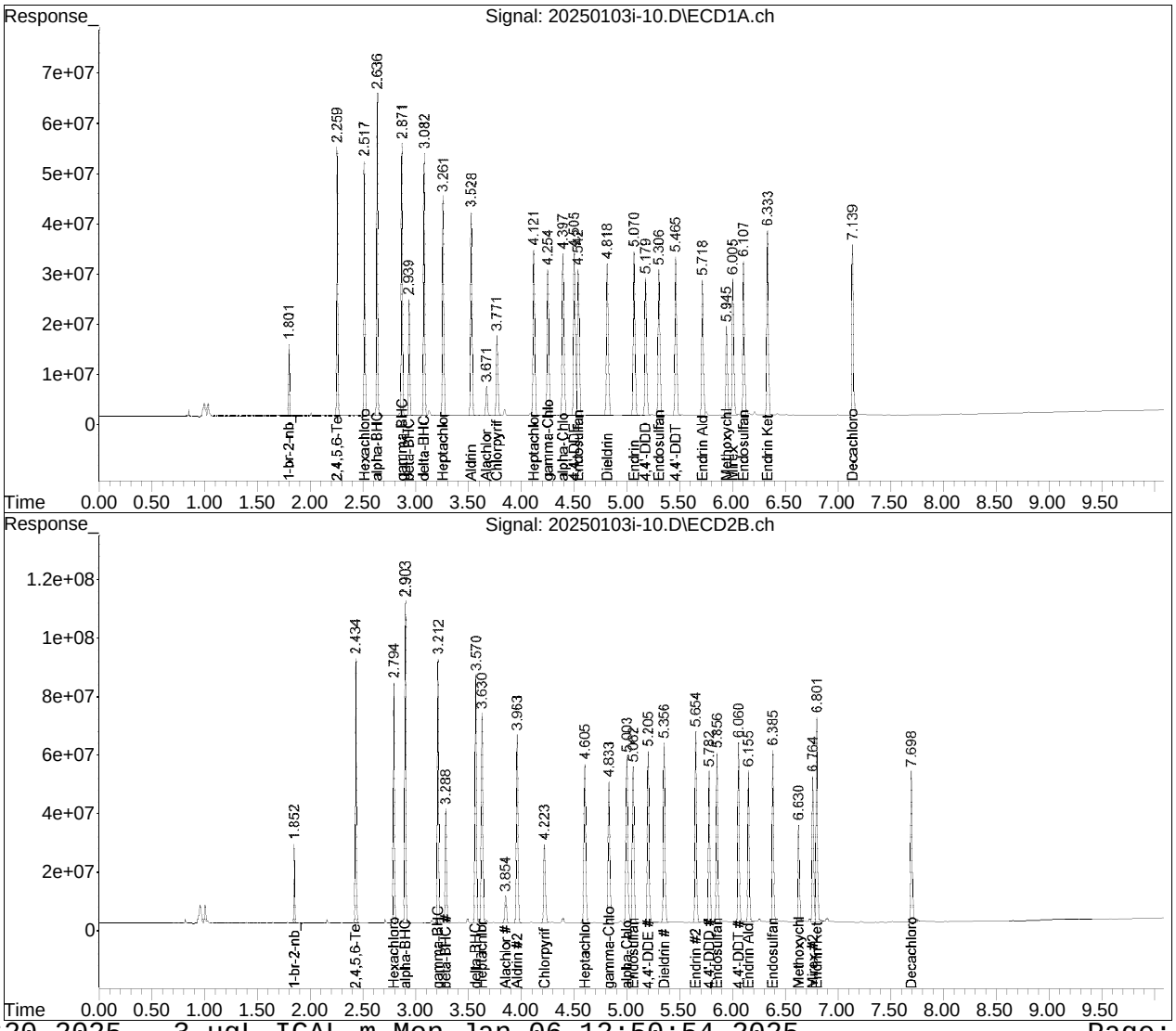
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-10.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 13:31
Operator : pest20:ejl
Sample : il9pest,42e,,pp 11941 L0.1
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 09:17:17 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 09:17:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

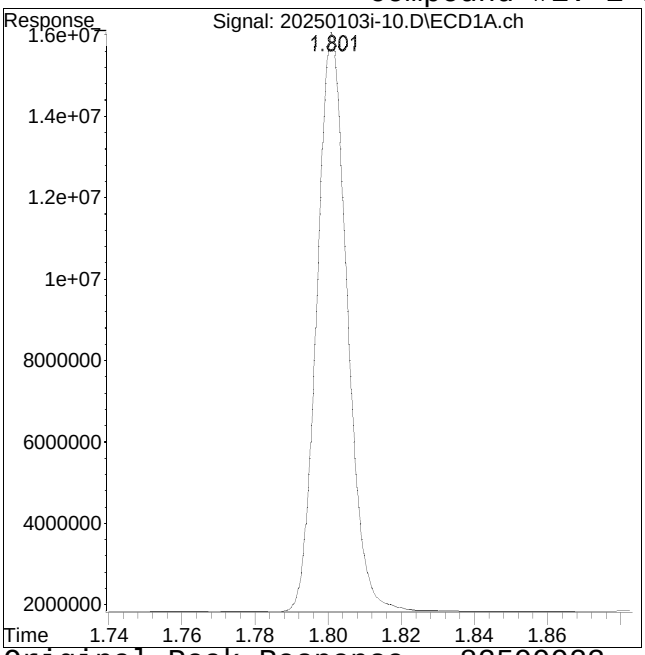


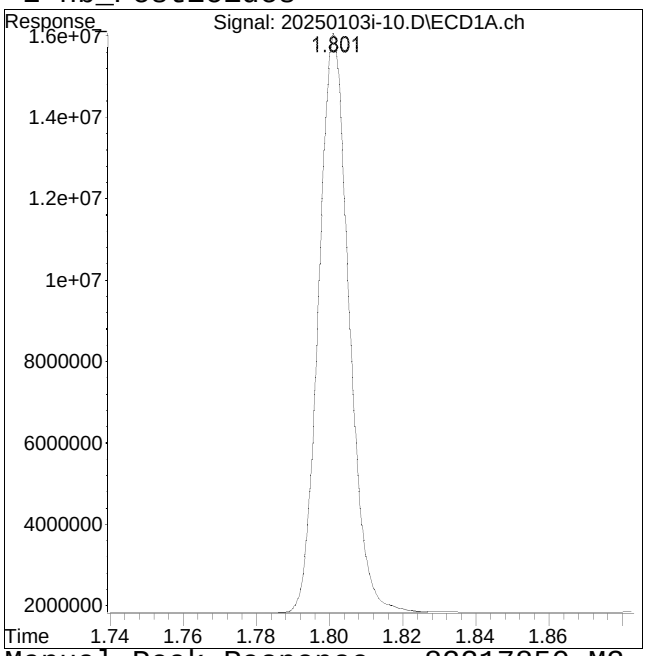
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-10.D
Date Inj'd : 1/3/2025 13:31
Sample : il9pest,42e,,pp 11941 L0.1

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:17 am

Compound #1: 1-br-2-nb_Pesticides





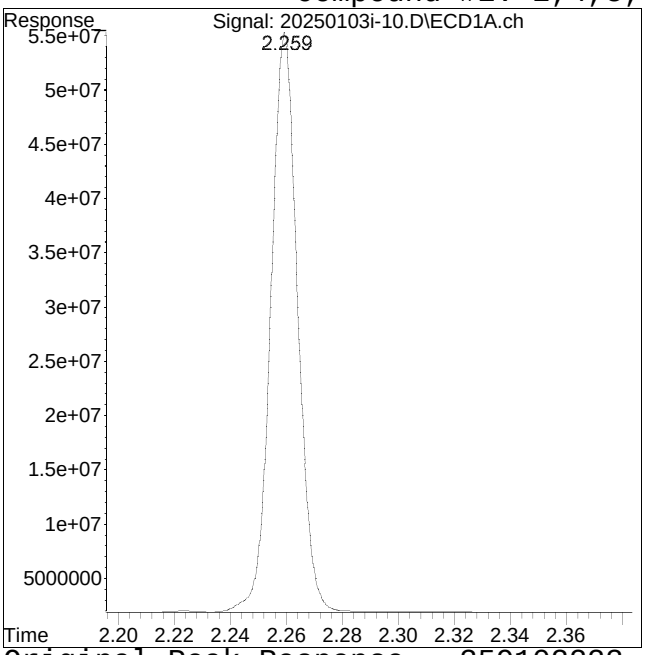
Original Peak Response = 82599923 Manual Peak Response = 82217850 M3

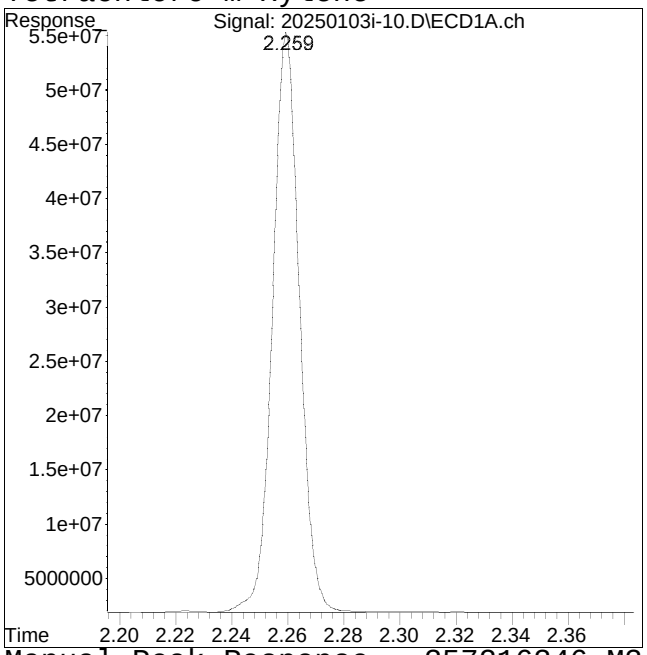
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-10.D
Date Inj'd : 1/3/2025 13:31
Sample : il9pest,42e,,pp 11941 L0.1
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:17 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



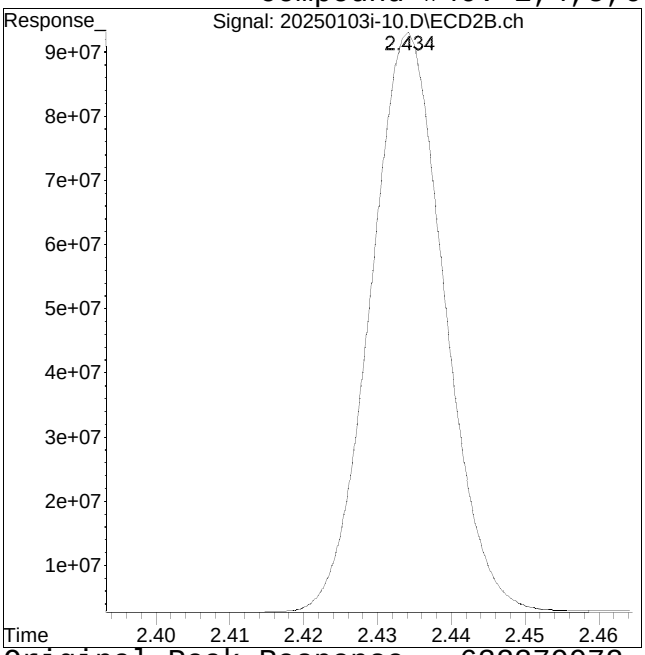


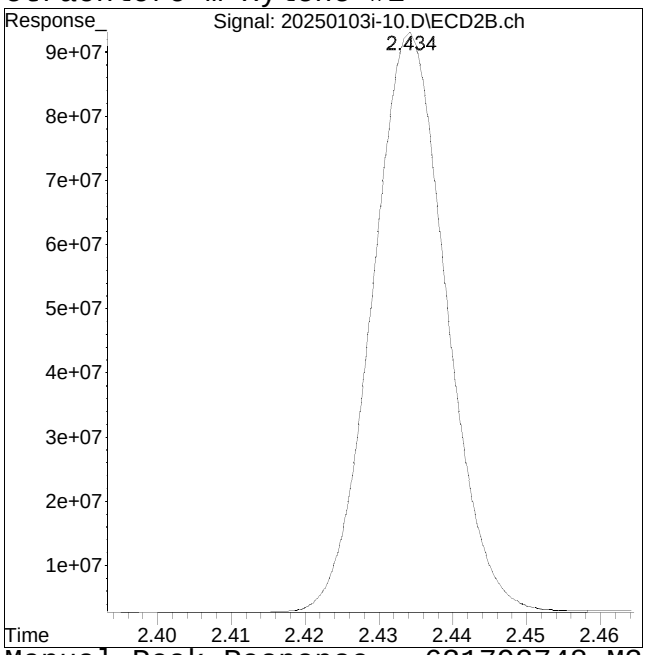
Original Peak Response = 359102223 Manual Peak Response = 357216346 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-10.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:31 Instrument : PEST 20
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/6/2025 9:17 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2





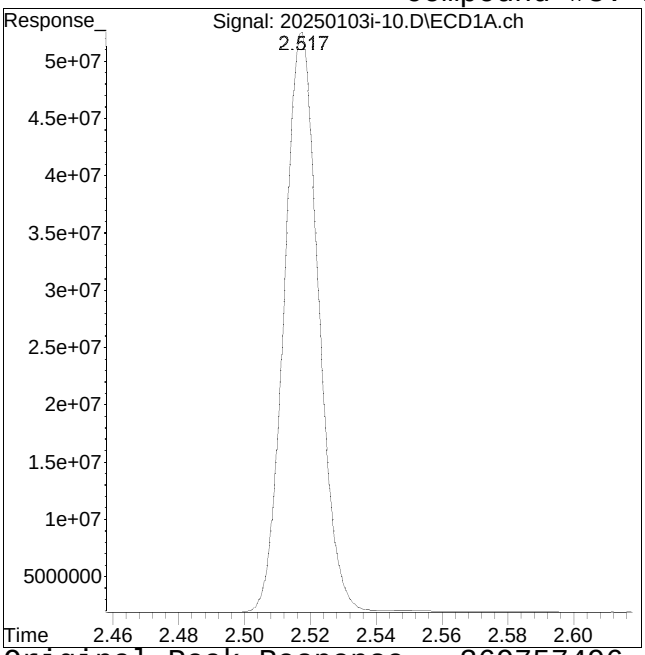
Original Peak Response = 632379972 Manual Peak Response = 631792748 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

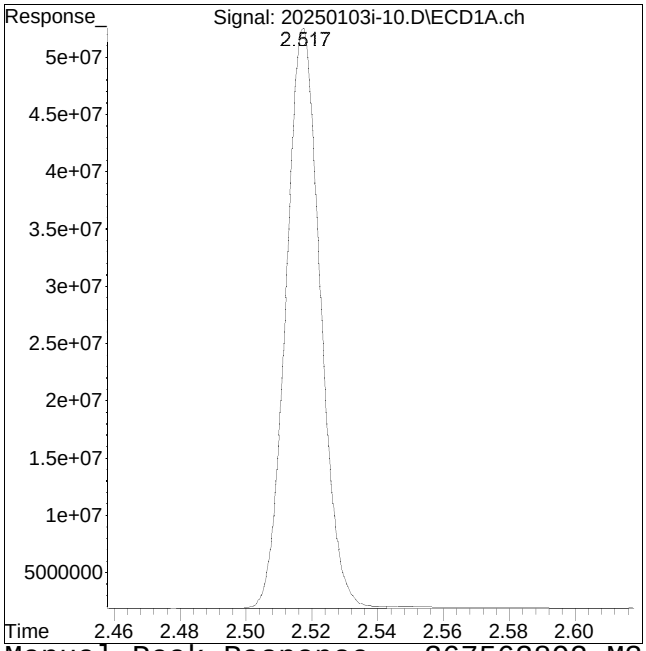
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-10.D
Date Inj'd : 1/3/2025 13:31
Sample : il9pest,42e,,pp 11941 L0.1

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:17 am

Compound #3: Hexachlorobenzene





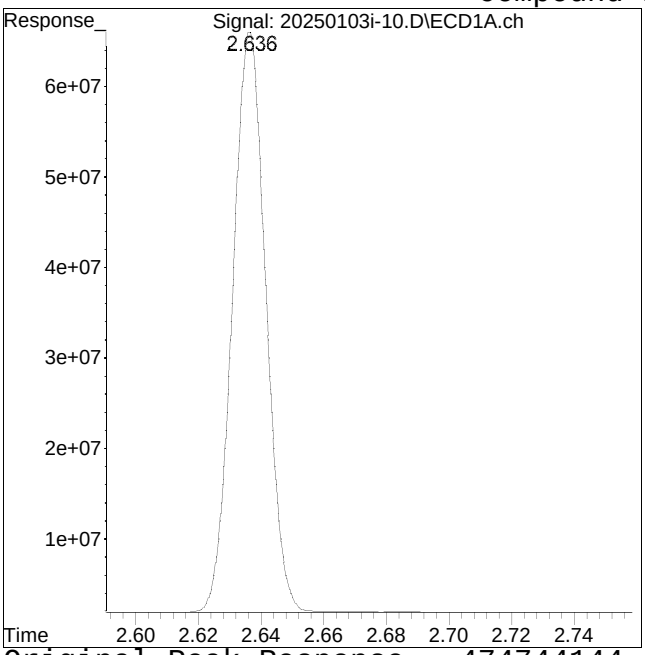
Original Peak Response = 369757496 Manual Peak Response = 367563892 M3

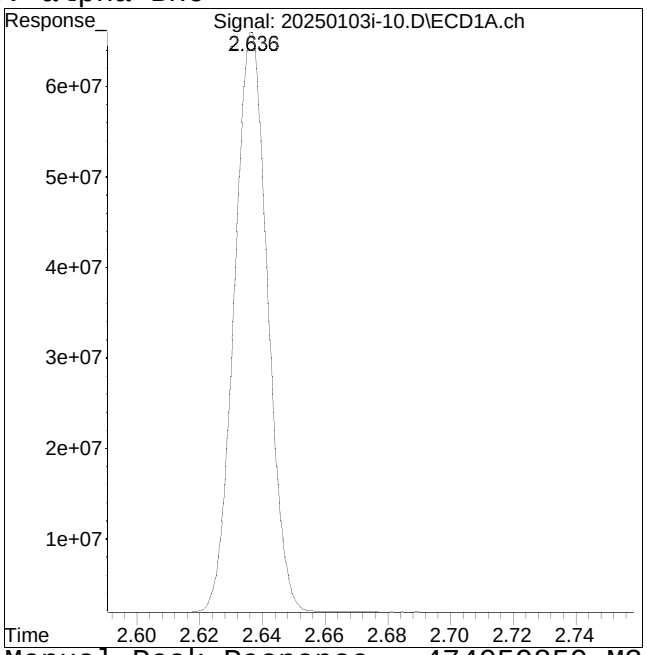
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-10.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:31 Instrument : PEST 20
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/6/2025 9:17 am

Compound #4: alpha-BHC





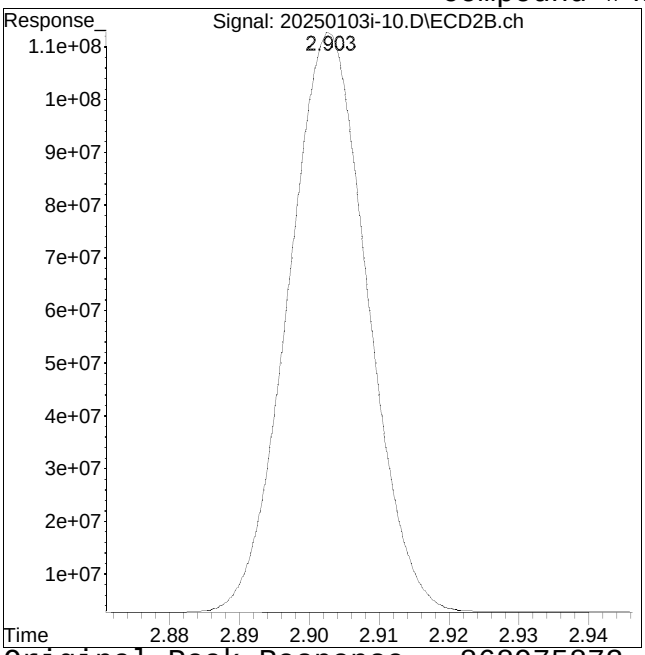
Original Peak Response = 474744144 Manual Peak Response = 474059850 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

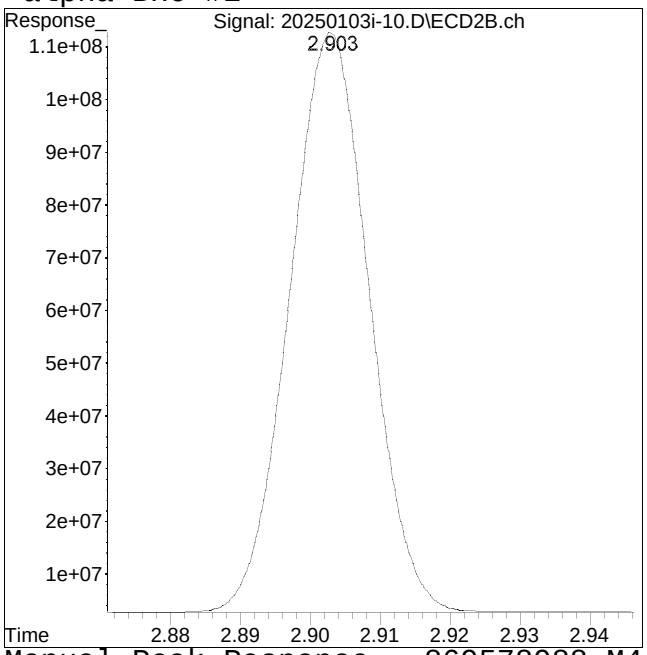
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-10.D
Date Inj'd : 1/3/2025 13:31
Sample : il9pest,42e,,pp 11941 L0.1

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:17 am

Compound #42: alpha-BHC #2





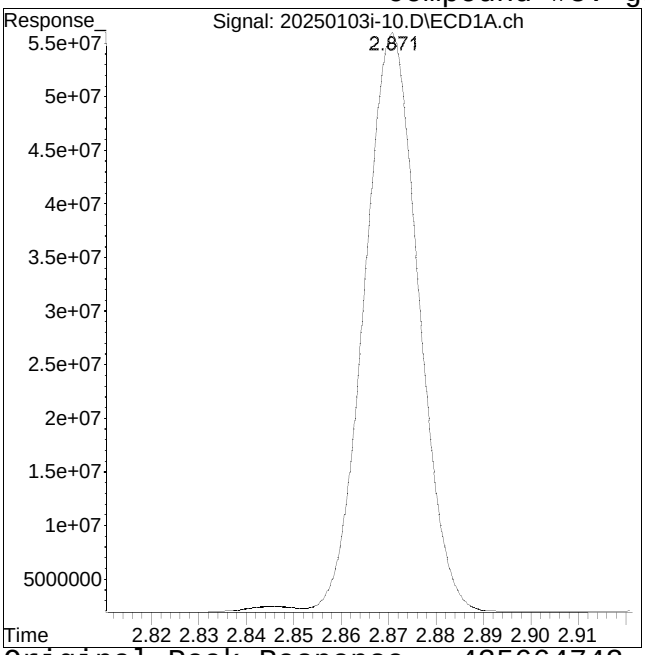
Original Peak Response = 868975873 Manual Peak Response = 869578988 M4
M4 = Poor automated baseline construction.

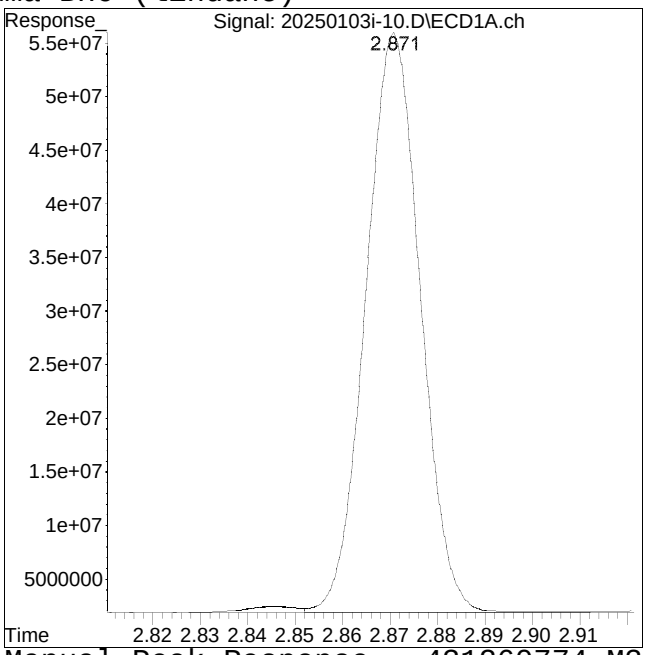
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-10.D
Date Inj'd : 1/3/2025 13:31
Sample : il9pest,42e,,pp 11941 L0.1

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:17 am

Compound #5: gamma-BHC (lindane)





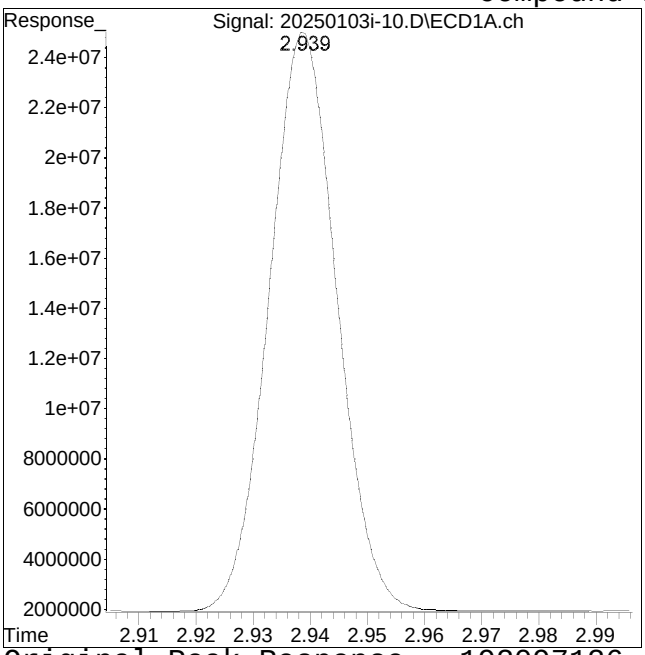
Original Peak Response = 435664742 Manual Peak Response = 431260774 M3

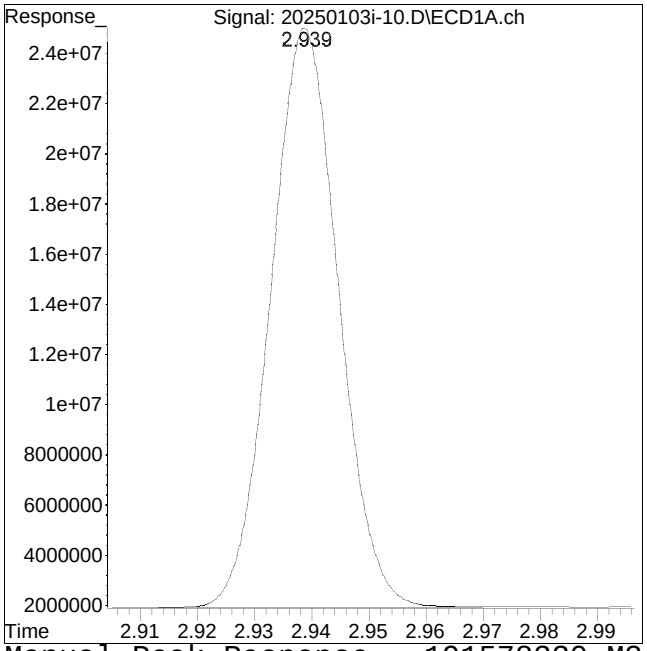
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-10.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:31 Instrument : PEST 20
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/6/2025 9:17 am

Compound #6: beta-BHC





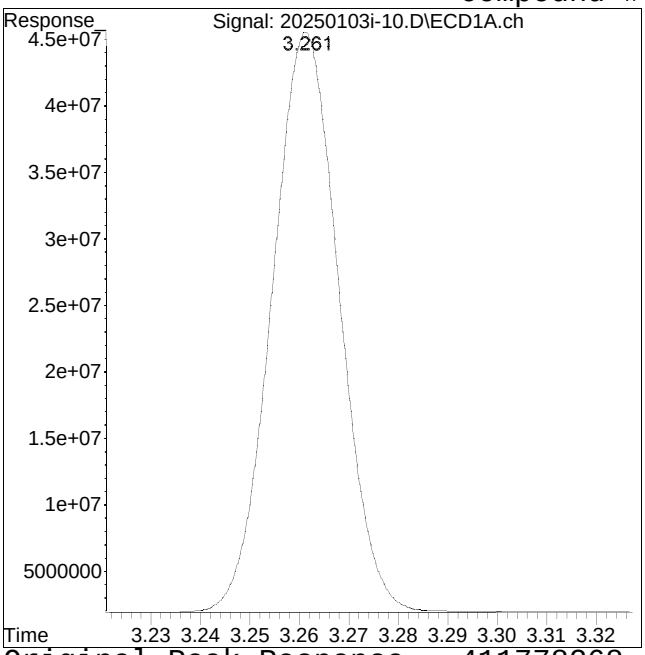
Original Peak Response = 192097126 Manual Peak Response = 191578330 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

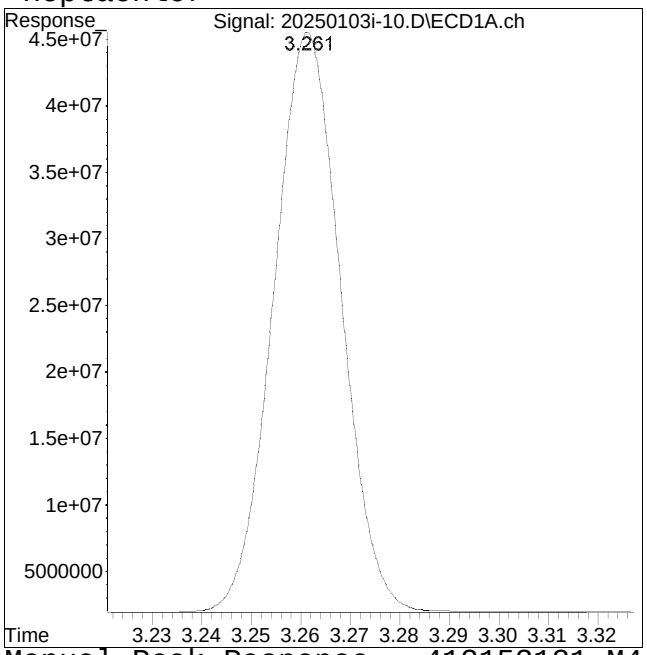
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-10.D
Date Inj'd : 1/3/2025 13:31
Sample : il9pest,42e,,pp 11941 L0.1

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:17 am

Compound #8: Heptachlor



Original Peak Response = 411778268



Manual Peak Response = 412153121 M4

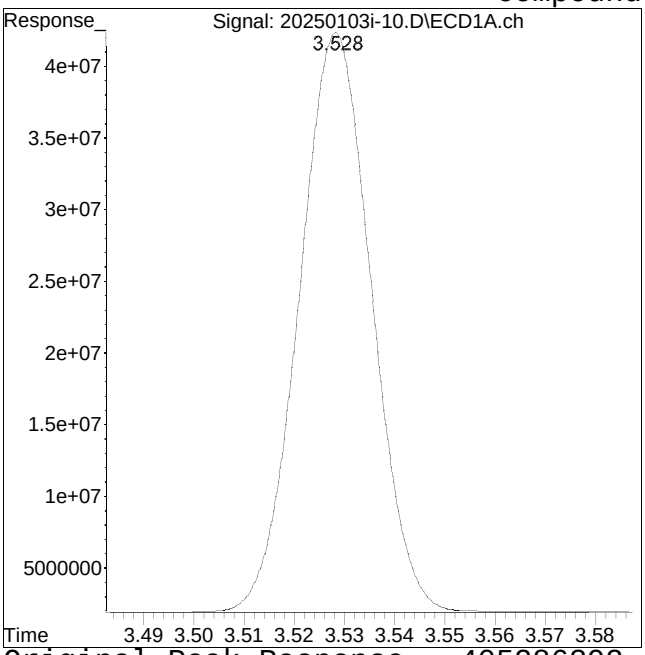
M4 = Poor automated baseline construction.

Manual Integration Report

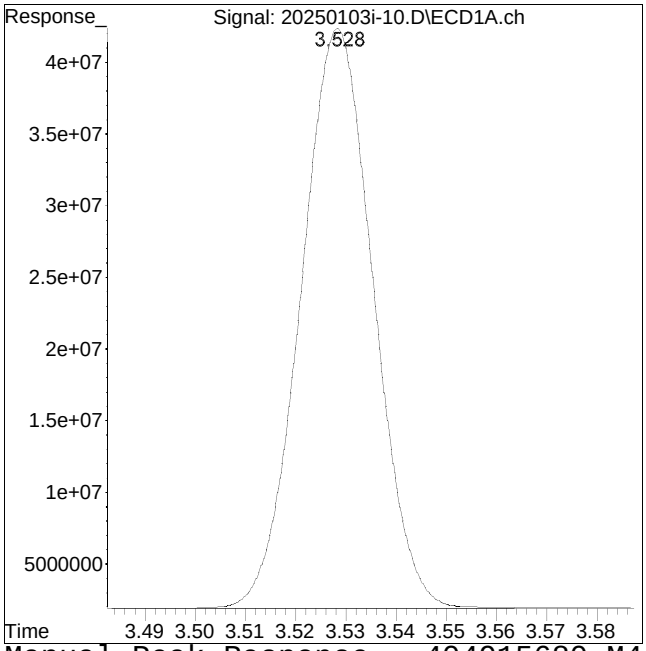
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-10.D
Date Inj'd : 1/3/2025 13:31
Sample : il9pest,42e,,pp 11941 L0.1

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:17 am

Compound #9: Aldrin



Original Peak Response = 405286392



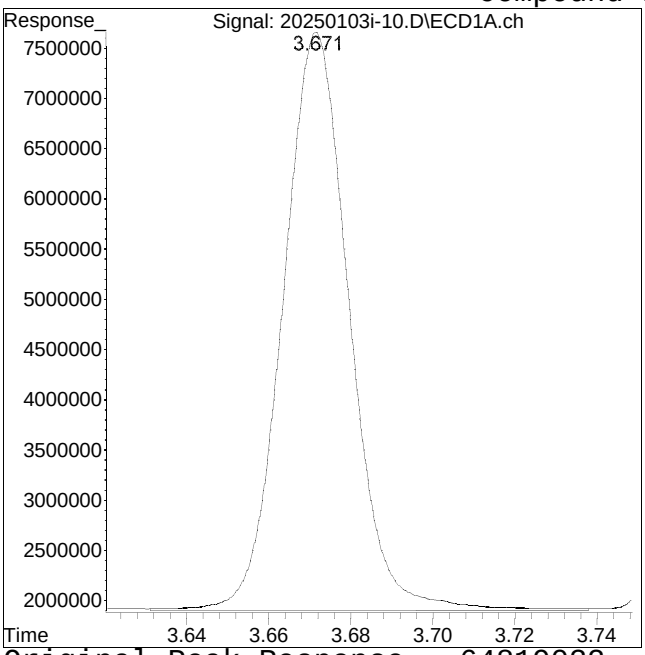
Manual Peak Response = 404915680 M4

M4 = Poor automated baseline construction.

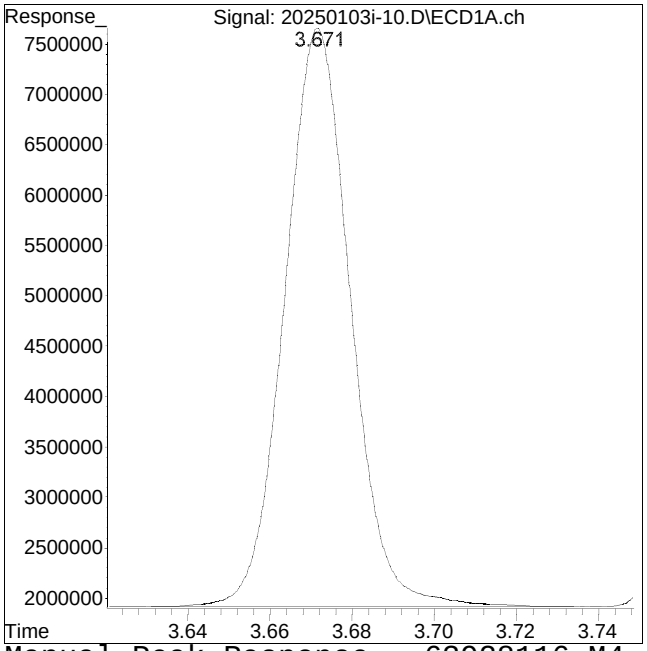
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-10.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:31 Instrument : PEST 20
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/6/2025 9:17 am

Compound #10: Alachlor



Original Peak Response = 64819032



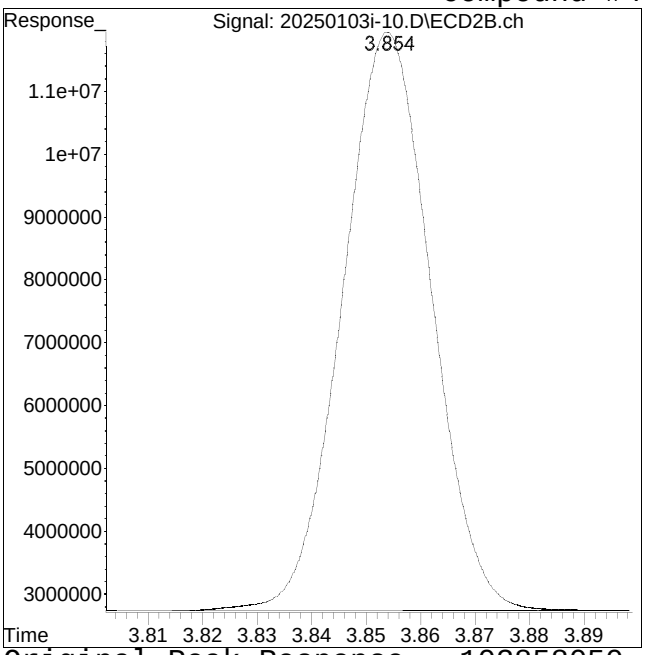
Manual Peak Response = 63928116 M4

M4 = Poor automated baseline construction.

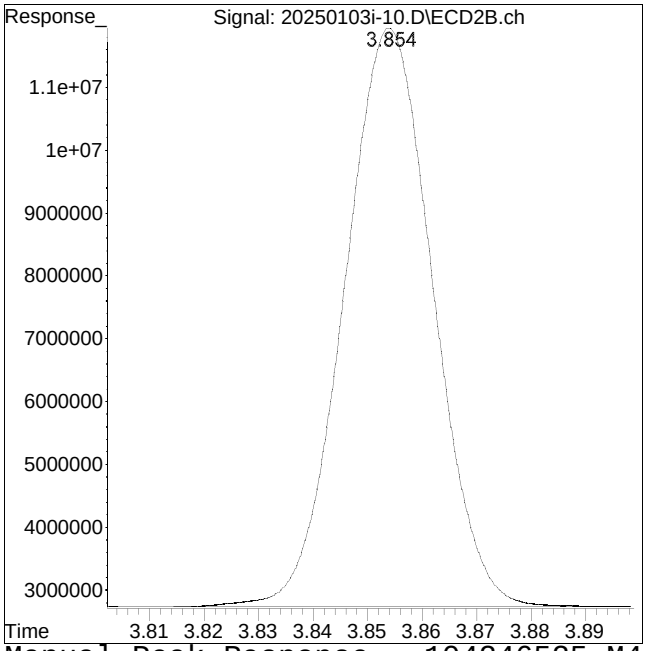
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-10.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:31 Instrument : PEST 20
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/6/2025 9:17 am

Compound #48: Alachlor #2



Original Peak Response = 103858050



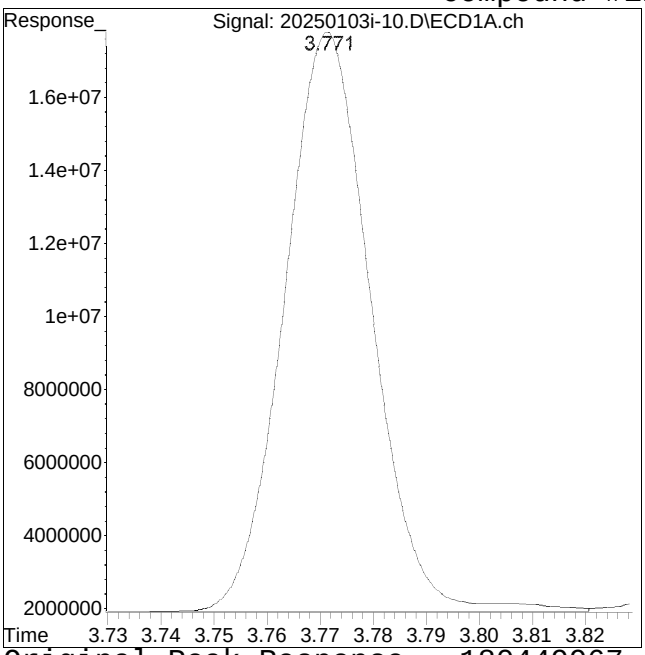
Manual Peak Response = 104246525 M4

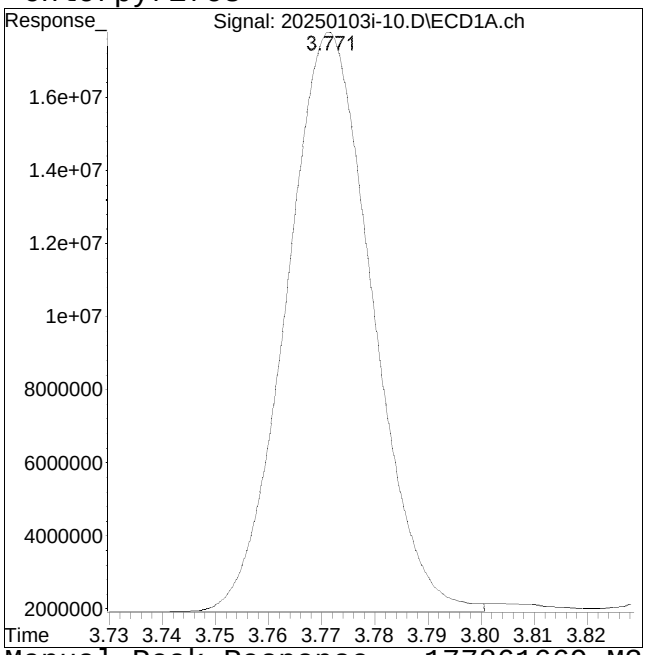
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-10.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:31 Instrument : PEST 20
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/6/2025 9:17 am

Compound #11: Chlorpyrifos





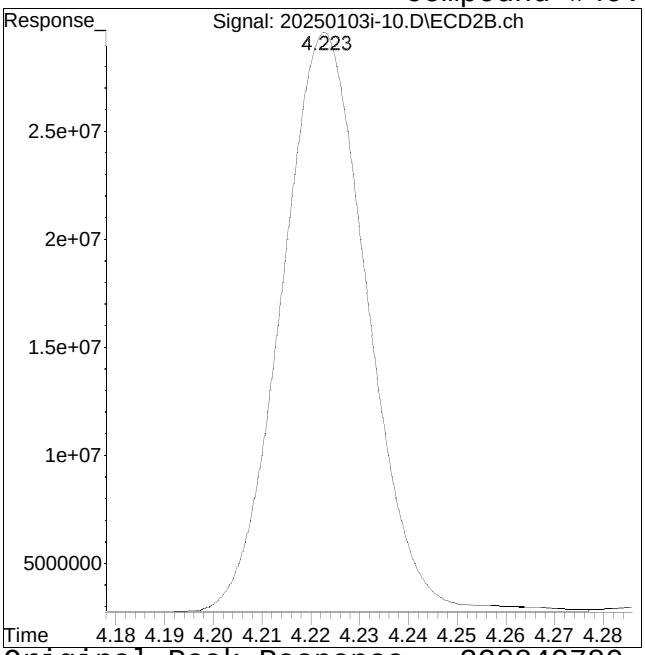
Original Peak Response = 180449967 Manual Peak Response = 177861669 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

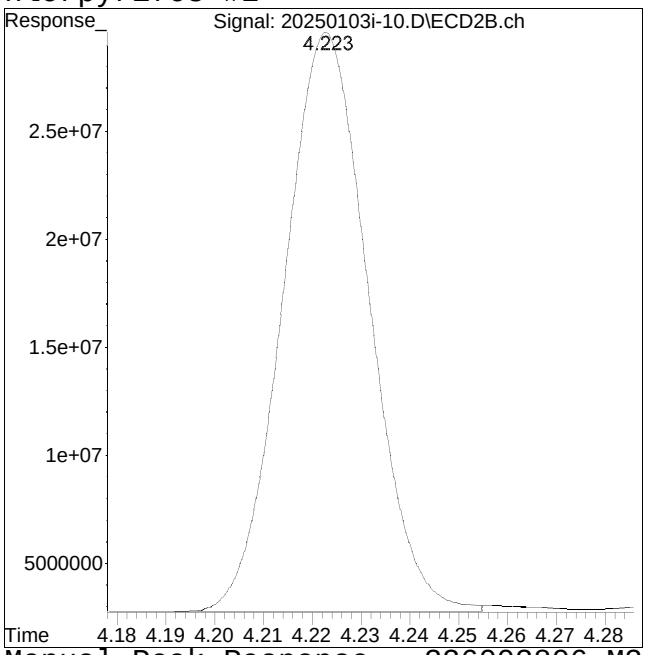
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-10.D
Date Inj'd : 1/3/2025 13:31
Sample : il9pest,42e,,pp 11941 L0.1

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:17 am

Compound #49: Chlorpyrifos #2





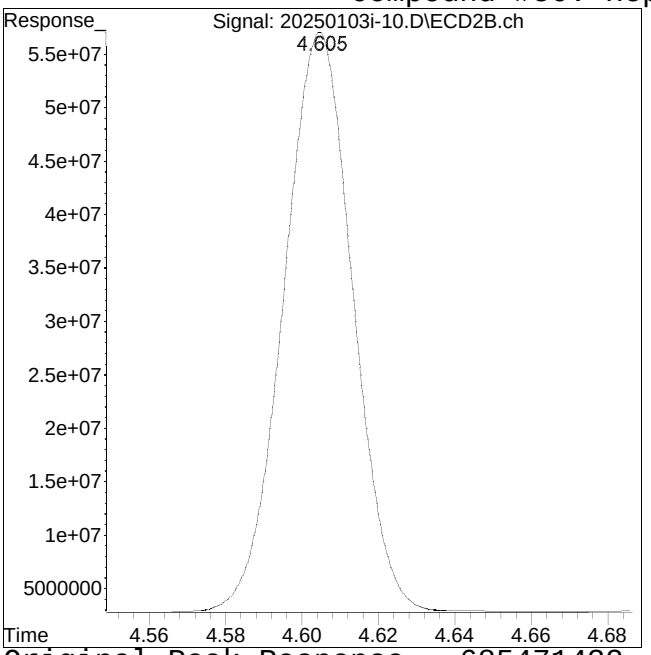
Original Peak Response = 328842780 Manual Peak Response = 326003806 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

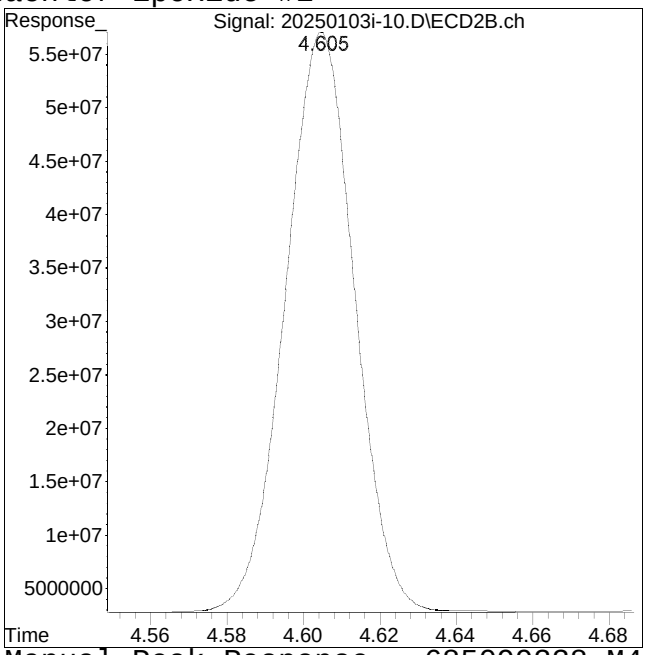
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-10.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:31 Instrument : PEST 20
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/6/2025 9:17 am

Compound #50: Heptachlor Epoxide #2



Original Peak Response = 685471432



Manual Peak Response = 685099338 M4

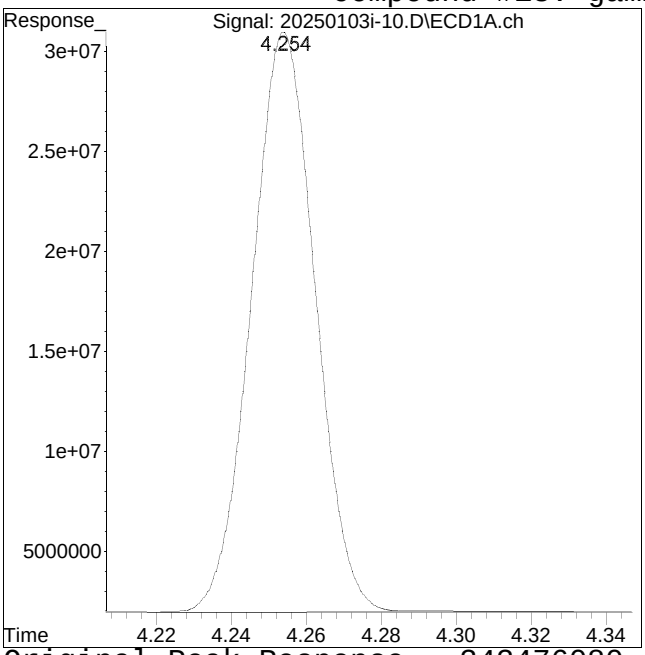
M4 = Poor automated baseline construction.

Manual Integration Report

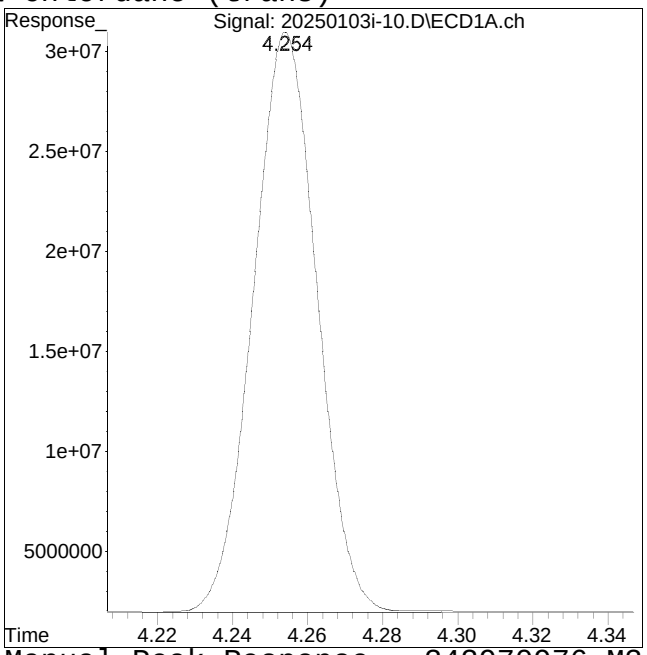
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-10.D
Date Inj'd : 1/3/2025 13:31
Sample : il9pest,42e,,pp 11941 L0.1

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:17 am

Compound #13: gamma-Chlordane (trans)



Original Peak Response = 343476080



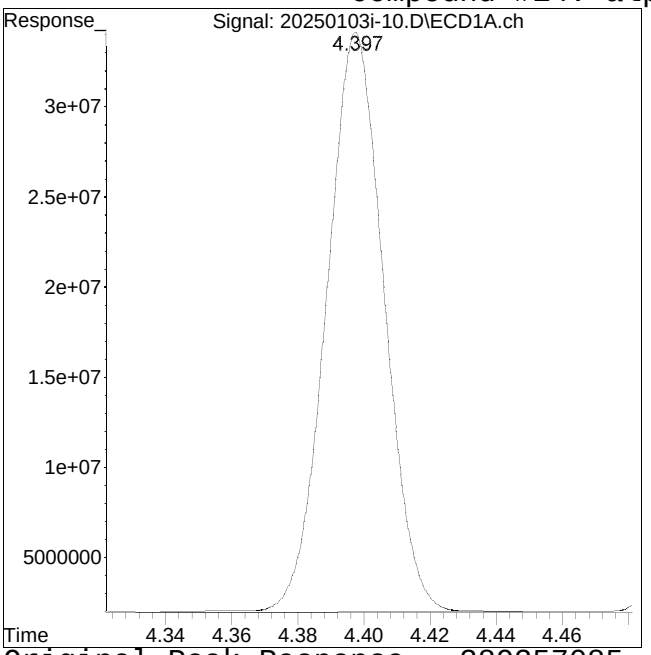
Manual Peak Response = 342970976 M3

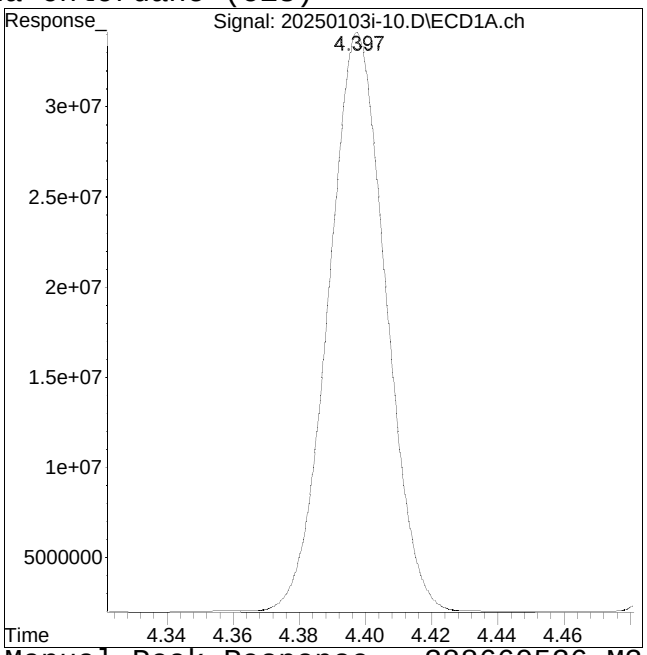
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-10.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:31 Instrument : PEST 20
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/6/2025 9:17 am

Compound #14: alpha-Chlordane (cis)





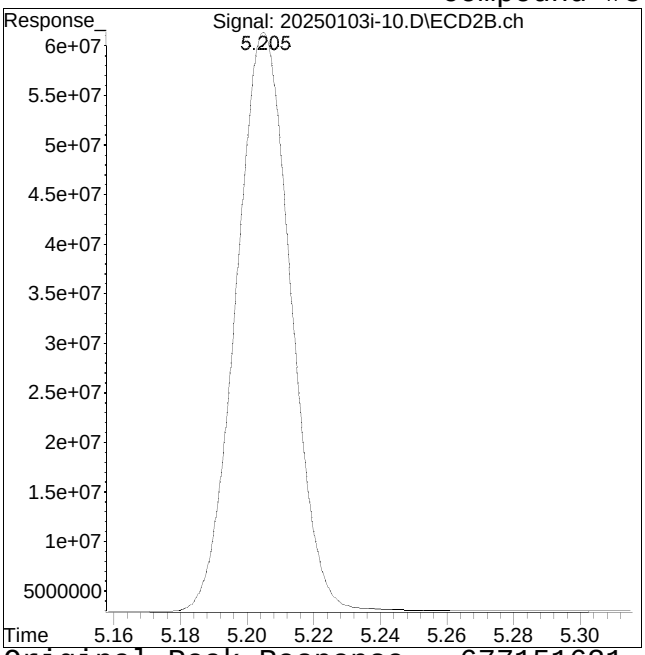
Original Peak Response = 389357085 Manual Peak Response = 388660536 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

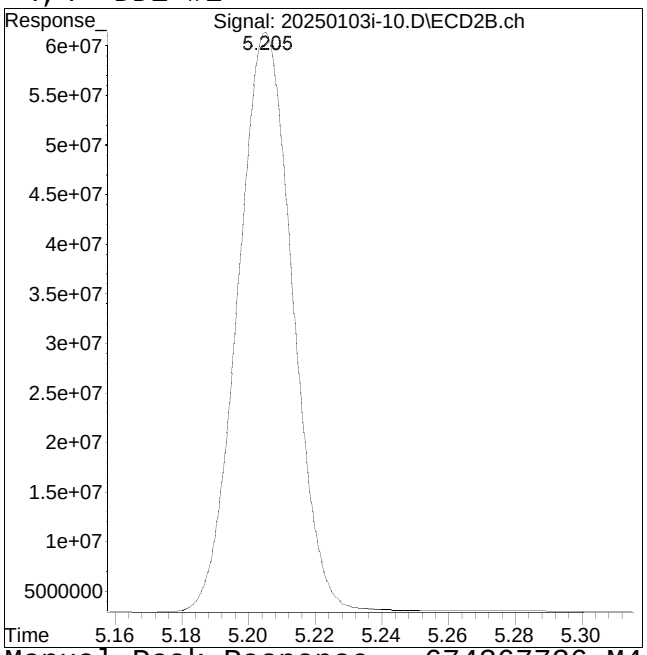
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-10.D
Date Inj'd : 1/3/2025 13:31
Sample : il9pest,42e,,pp 11941 L0.1

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:17 am

Compound #53: 4,4'-DDE #2



Original Peak Response = 677151621



Manual Peak Response = 674367736 M4

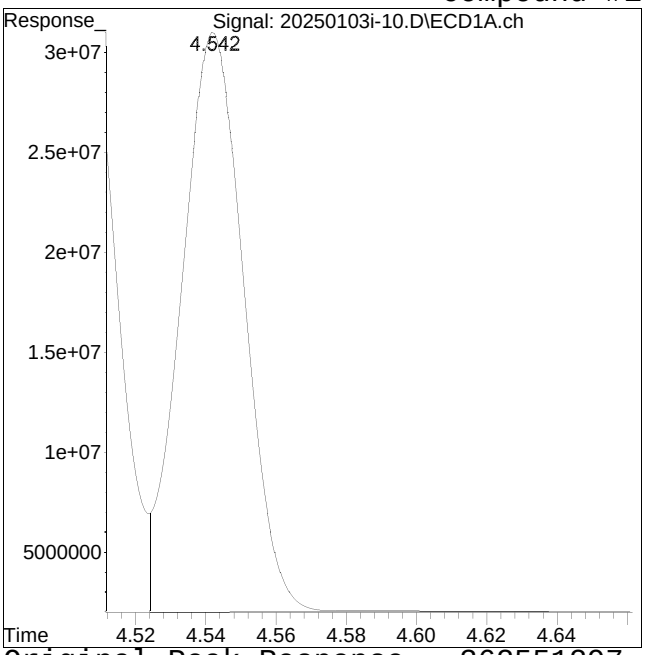
M4 = Poor automated baseline construction.

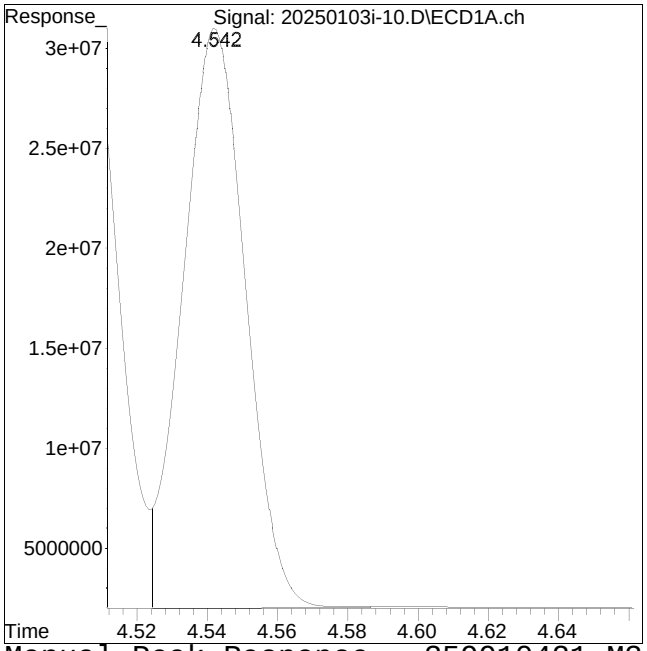
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-10.D
Date Inj'd : 1/3/2025 13:31
Sample : il9pest,42e,,pp 11941 L0.1

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:17 am

Compound #16: Endosulfan I





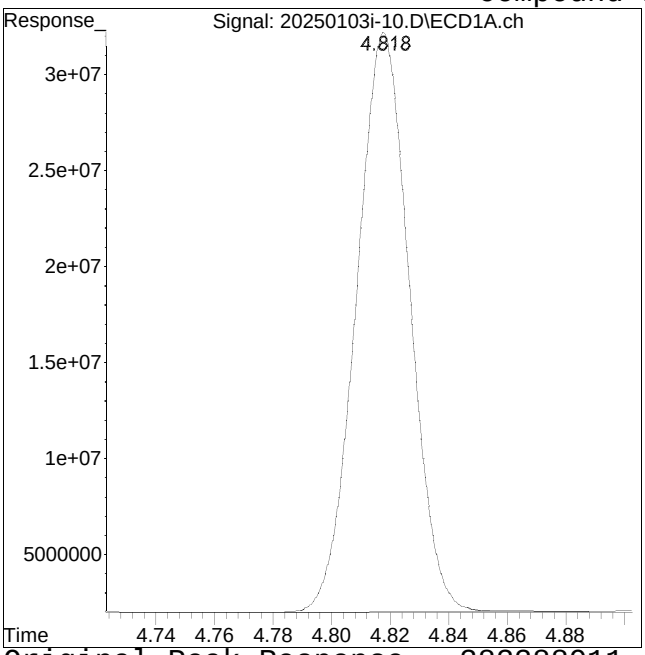
Original Peak Response = 362551297 Manual Peak Response = 359910421 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

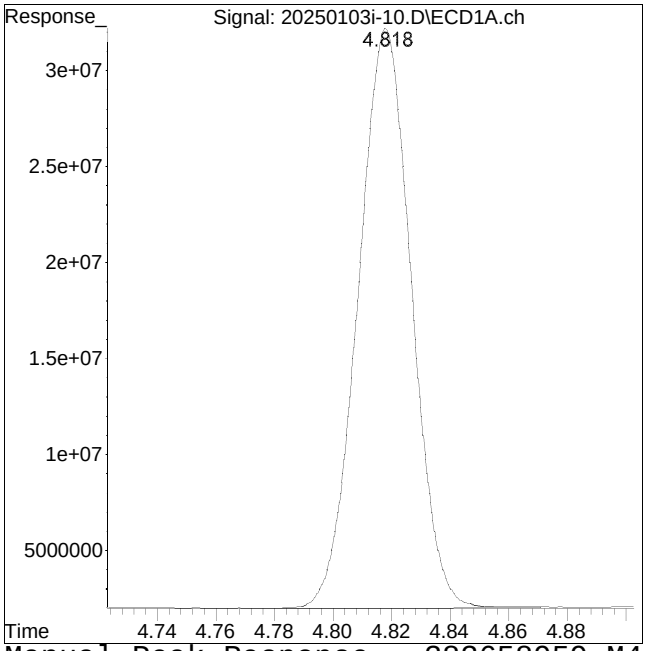
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-10.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:31 Instrument : PEST 20
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/6/2025 9:17 am

Compound #17: Dieldrin



Original Peak Response = 383388911



Manual Peak Response = 383658959 M4

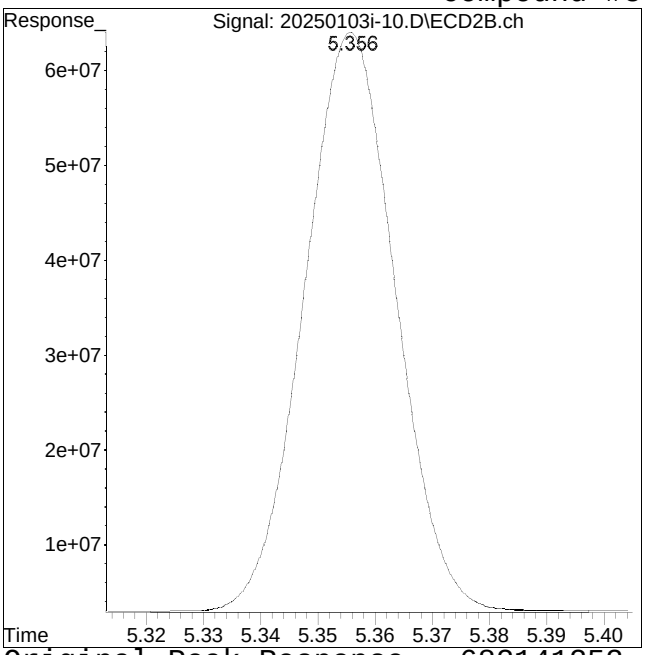
M4 = Poor automated baseline construction.

Manual Integration Report

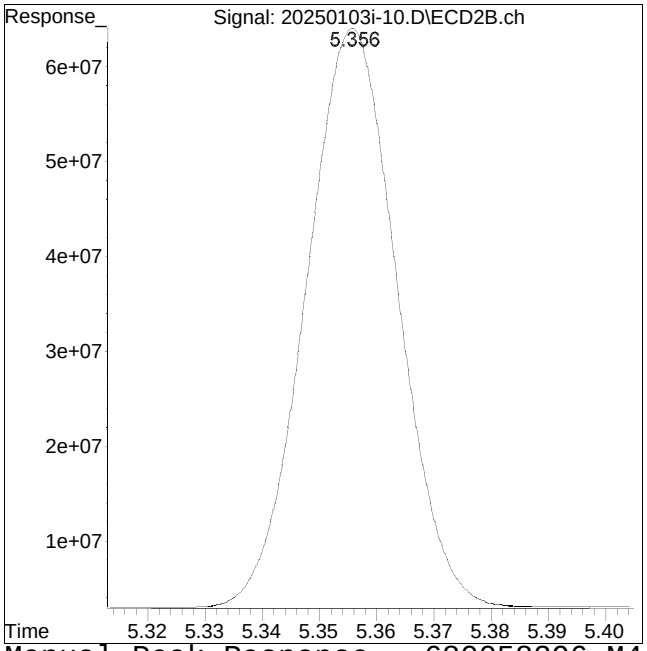
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-10.D
Date Inj'd : 1/3/2025 13:31
Sample : il9pest,42e,,pp 11941 L0.1

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:17 am

Compound #55: Dieldrin #2



Original Peak Response = 682141252



Manual Peak Response = 680058296 M4

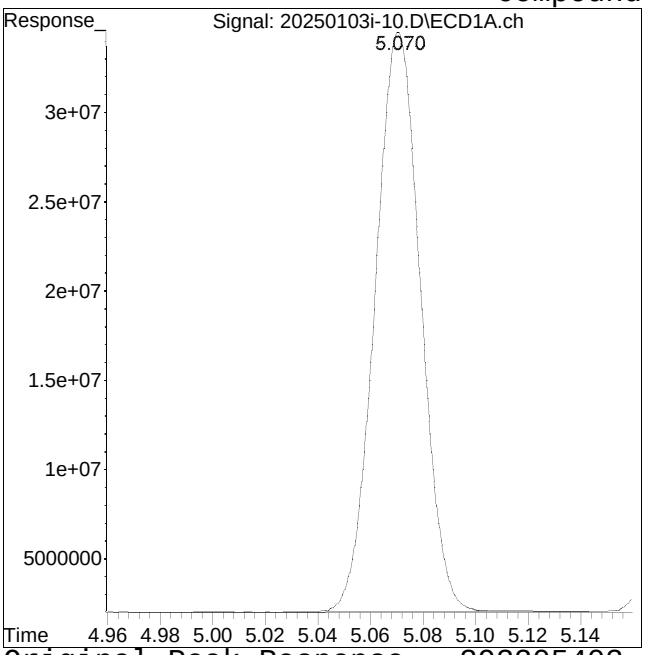
M4 = Poor automated baseline construction.

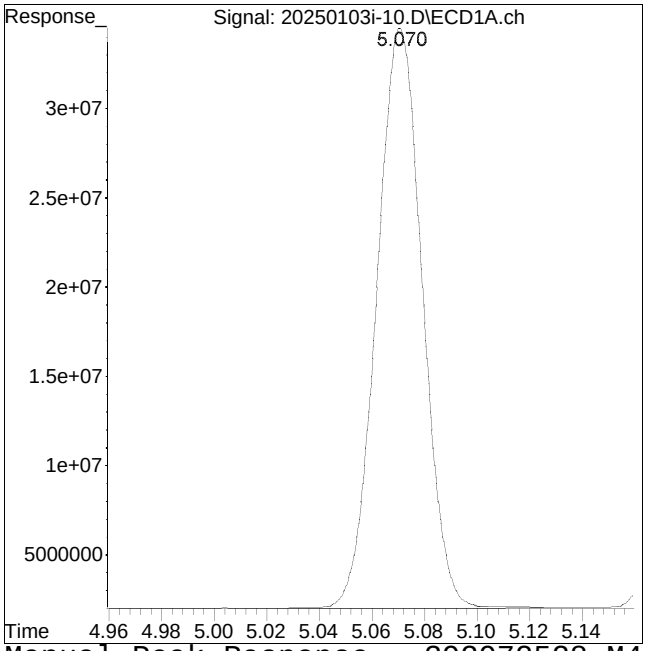
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-10.D
Date Inj'd : 1/3/2025 13:31
Sample : il9pest,42e,,pp 11941 L0.1

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:17 am

Compound #18: Endrin



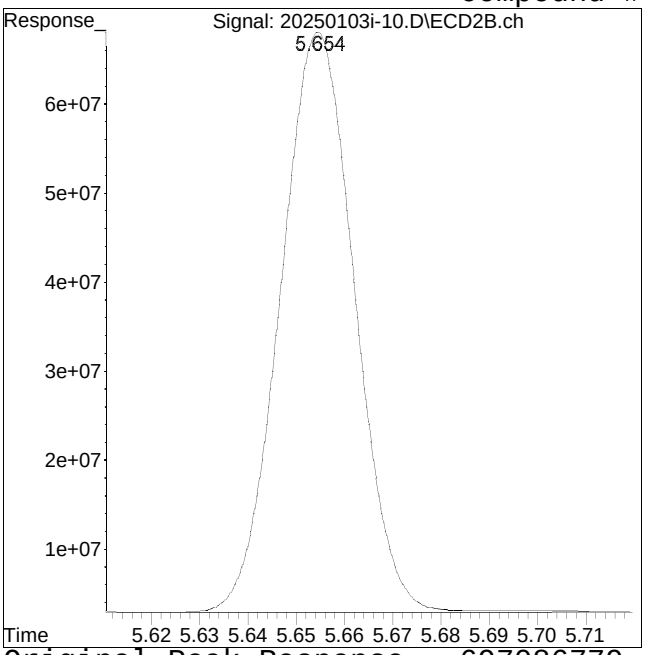


Original Peak Response = 393305403 Manual Peak Response = 392972528 M4
M4 = Poor automated baseline construction.

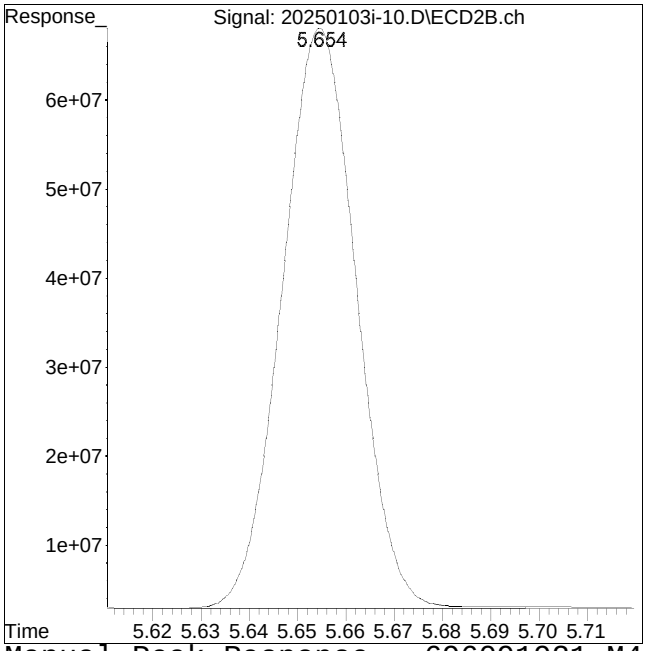
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-10.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:31 Instrument : PEST 20
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/6/2025 9:17 am

Compound #56: Endrin #2



Original Peak Response = 697086779



Manual Peak Response = 696091921 M4

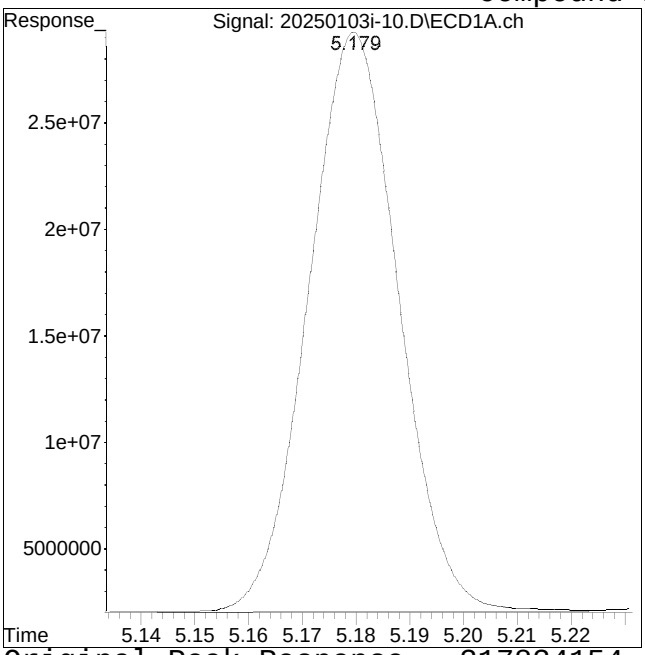
M4 = Poor automated baseline construction.

Manual Integration Report

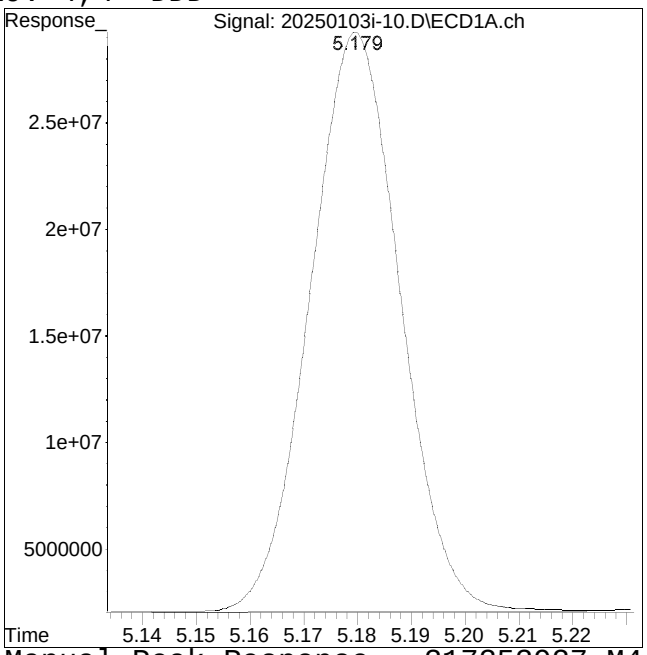
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-10.D
Date Inj'd : 1/3/2025 13:31
Sample : il9pest,42e,,pp 11941 L0.1

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:17 am

Compound #19: 4,4'-DDD



Original Peak Response = 317834154



Manual Peak Response = 317353927 M4

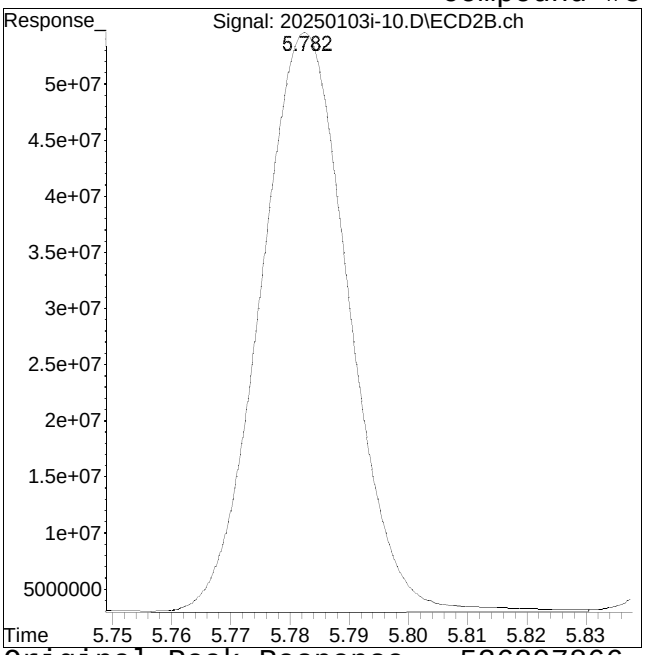
M4 = Poor automated baseline construction.

Manual Integration Report

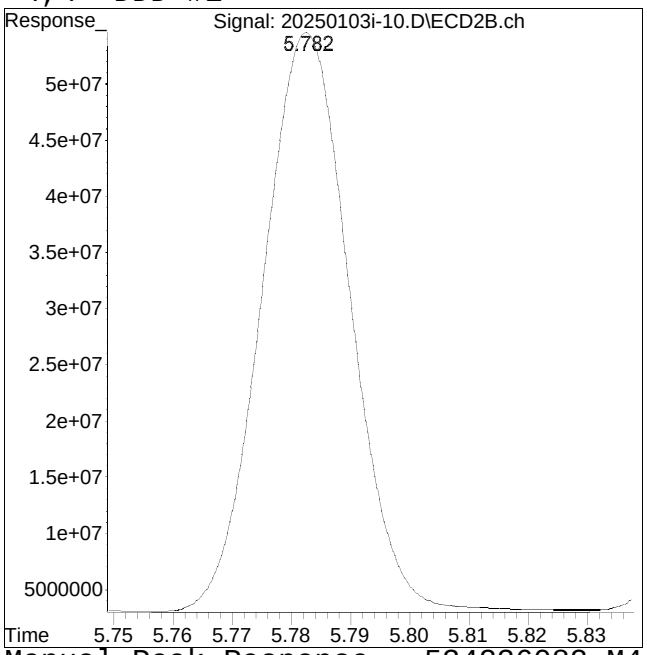
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-10.D
Date Inj'd : 1/3/2025 13:31
Sample : il9pest,42e,,pp 11941 L0.1

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:17 am

Compound #57: 4,4'-DDD #2



Original Peak Response = 536297866



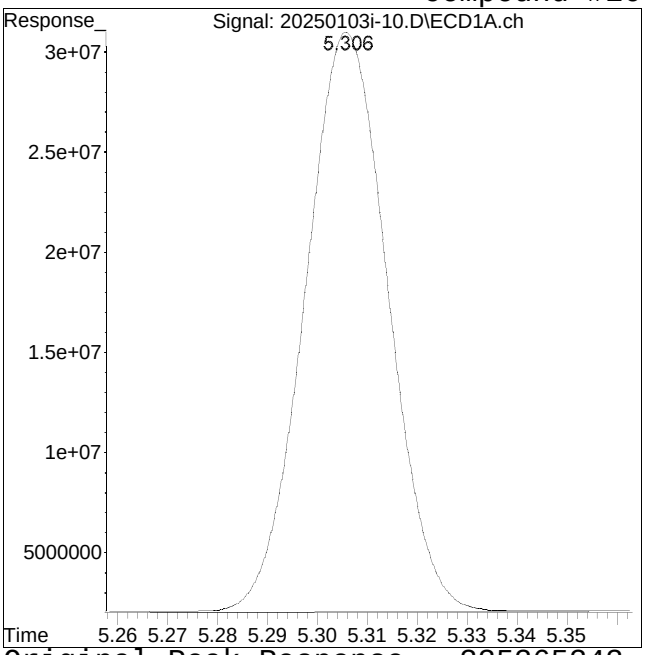
Manual Peak Response = 534236082 M4

M4 = Poor automated baseline construction.

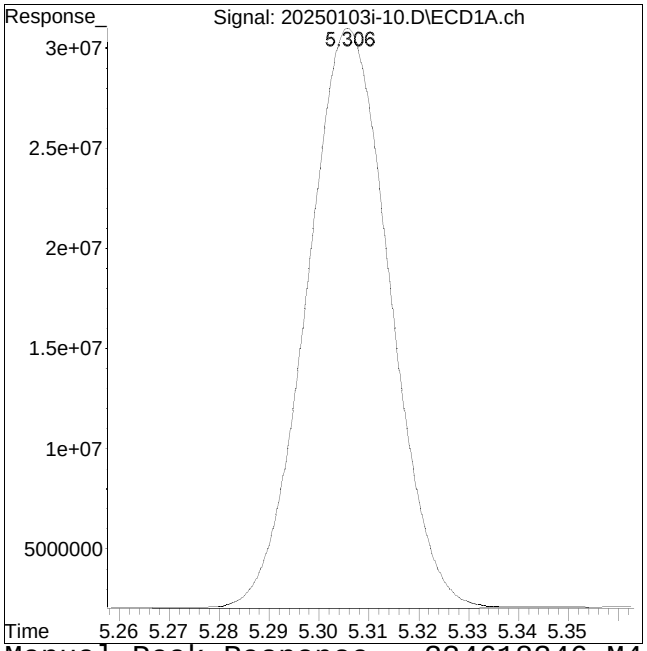
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-10.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:31 Instrument : PEST 20
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/6/2025 9:17 am

Compound #20: Endosulfan II



Original Peak Response = 335365343



Manual Peak Response = 334618346 M4

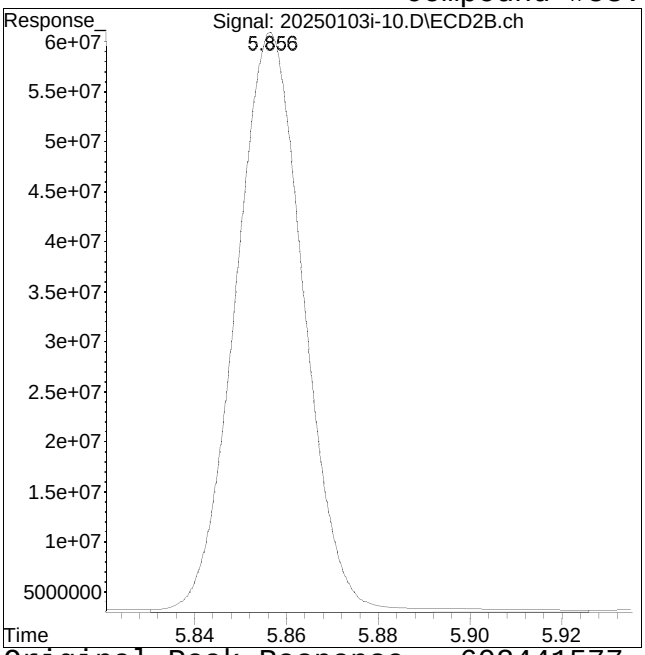
M4 = Poor automated baseline construction.

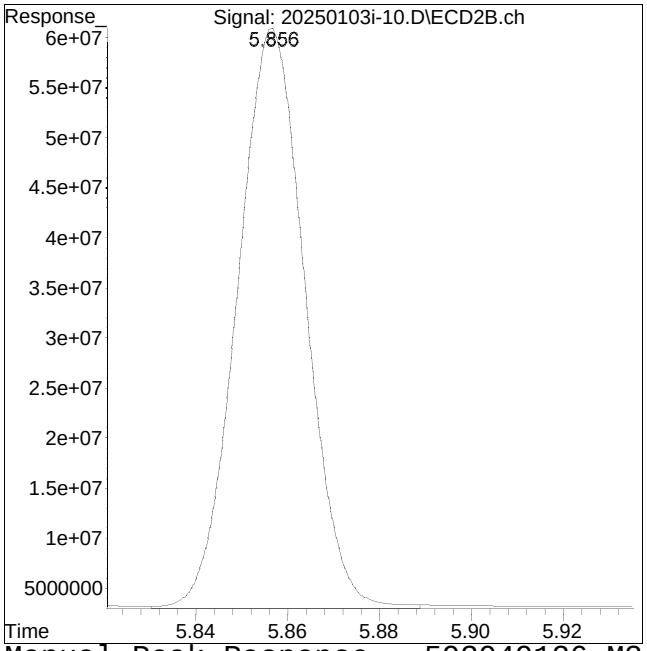
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-10.D
Date Inj'd : 1/3/2025 13:31
Sample : il9pest,42e,,pp 11941 L0.1

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:17 am

Compound #58: Endosulfan II #2





Original Peak Response = 602441577 Manual Peak Response = 593949126 M3

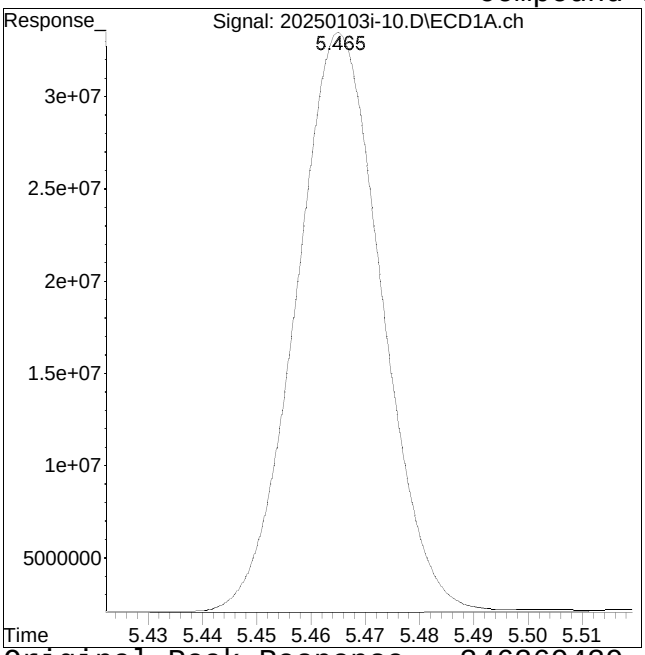
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

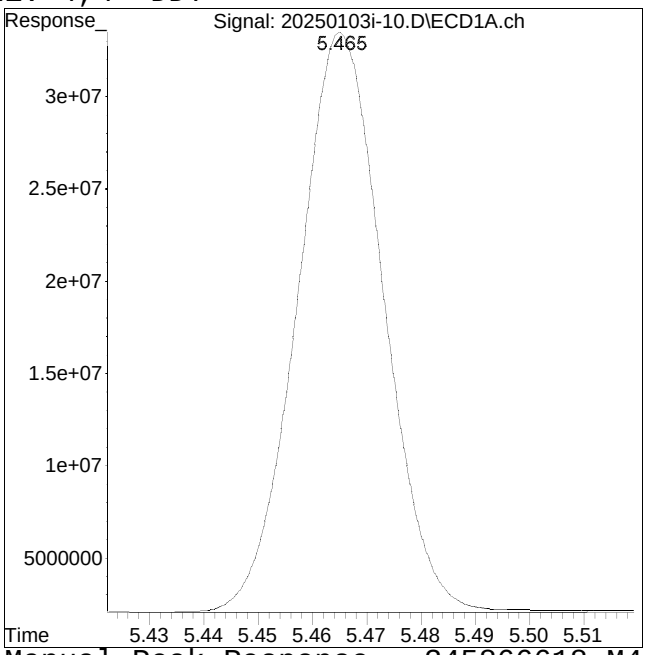
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-10.D
Date Inj'd : 1/3/2025 13:31
Sample : il9pest,42e,,pp 11941 L0.1

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:17 am

Compound #21: 4,4'-DDT





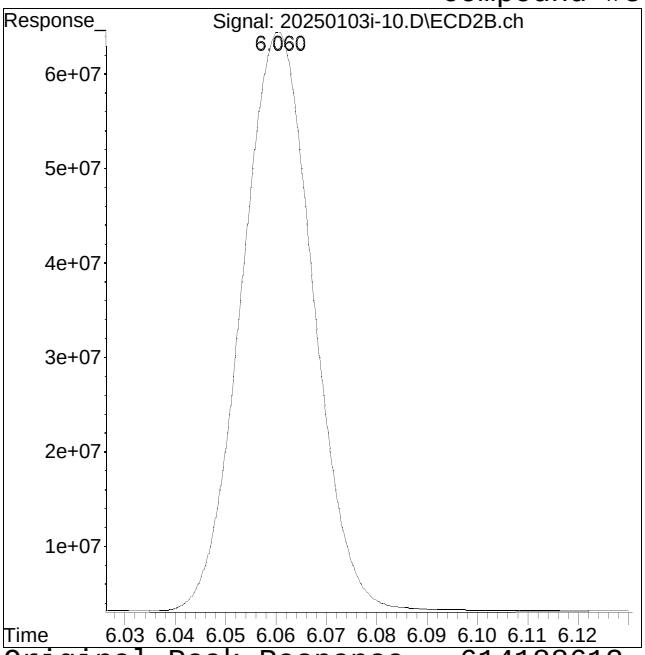
Original Peak Response = 346369439 Manual Peak Response = 345866618 M4
M4 = Poor automated baseline construction.

Manual Integration Report

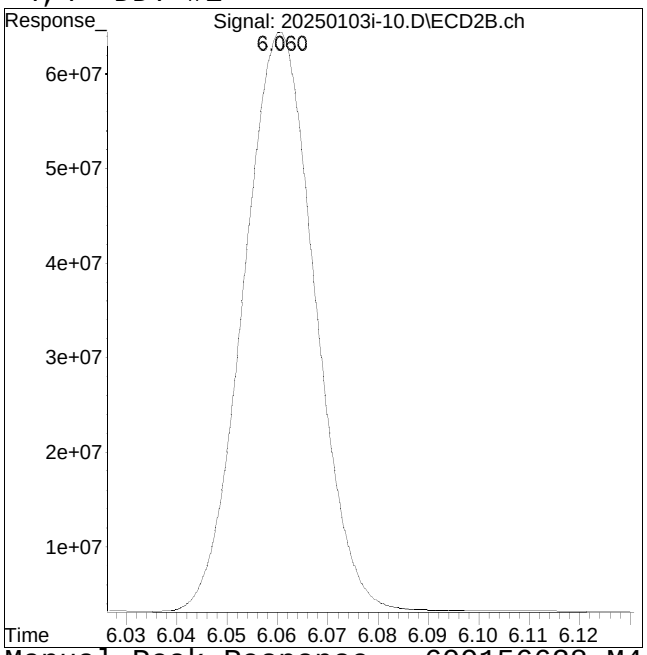
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-10.D
Date Inj'd : 1/3/2025 13:31
Sample : il9pest,42e,,pp 11941 L0.1

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:17 am

Compound #59: 4,4'-DDT #2



Original Peak Response = 614188613



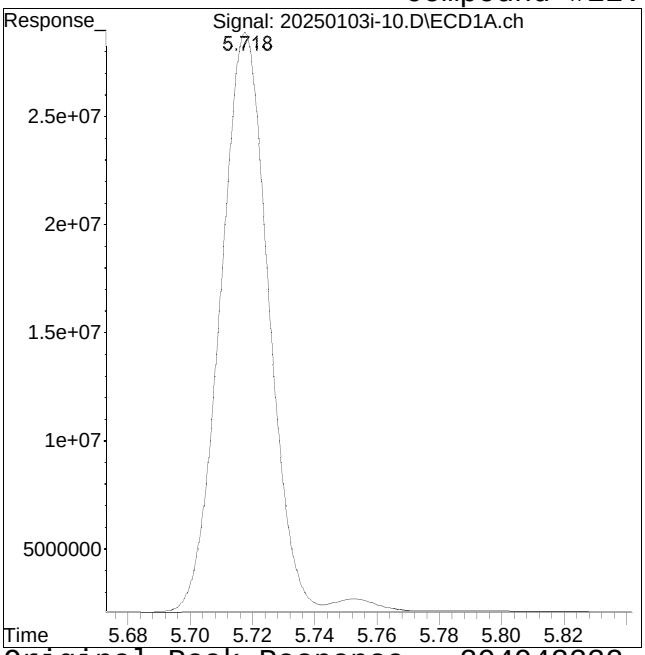
Manual Peak Response = 609156628 M4

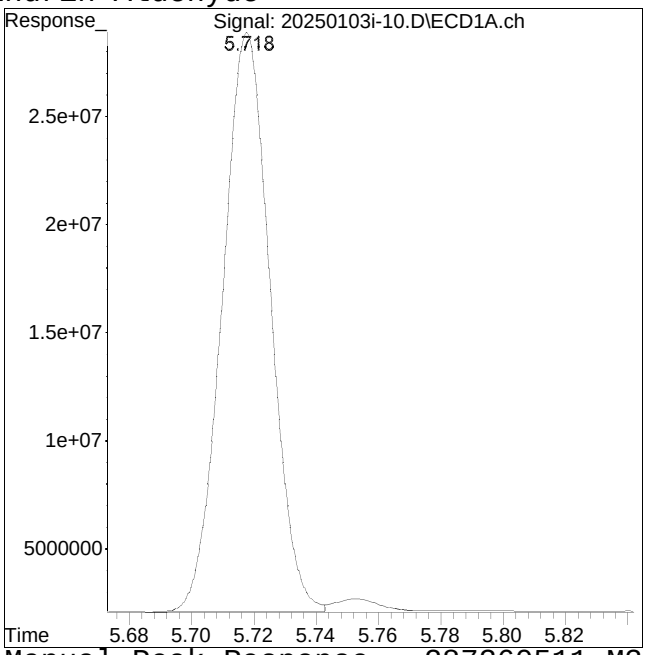
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-10.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:31 Instrument : PEST 20
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/6/2025 9:17 am

Compound #22: Endrin Aldehyde



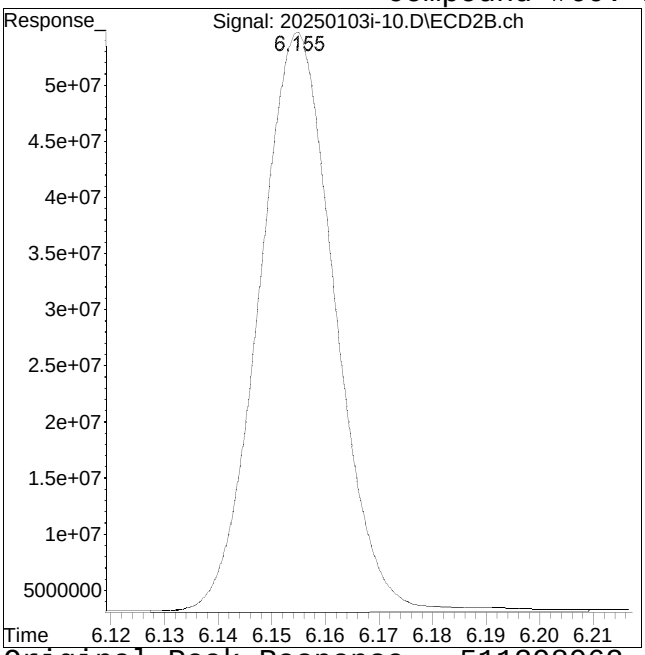


Original Peak Response = 294942332 Manual Peak Response = 287360511 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

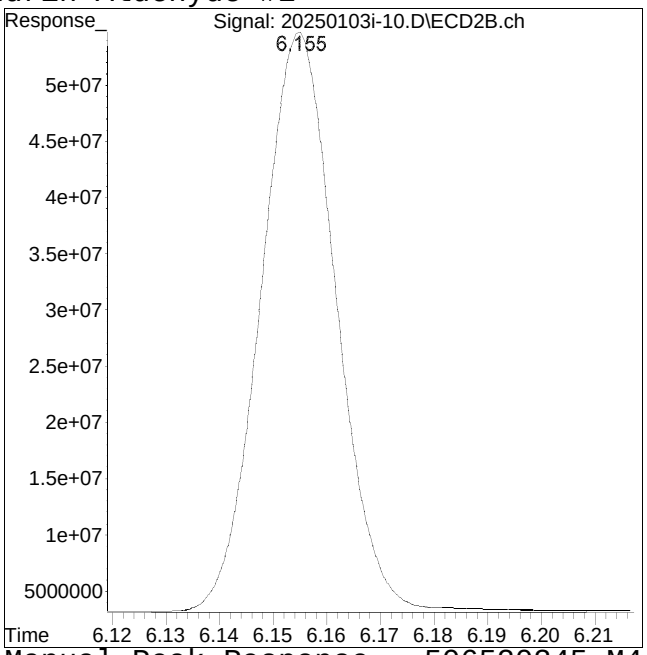
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-10.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:31 Instrument : PEST 20
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/6/2025 9:17 am

Compound #60: Endrin Aldehyde #2



Original Peak Response = 511398962



Manual Peak Response = 506520345 M4

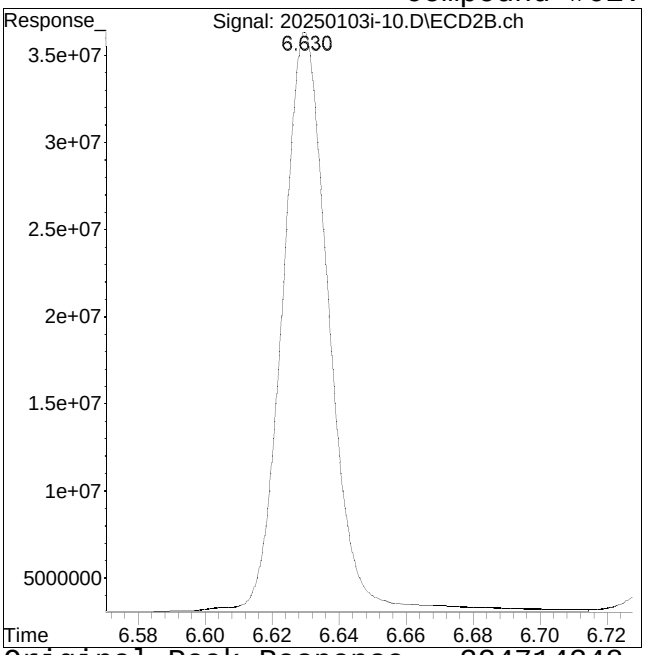
M4 = Poor automated baseline construction.

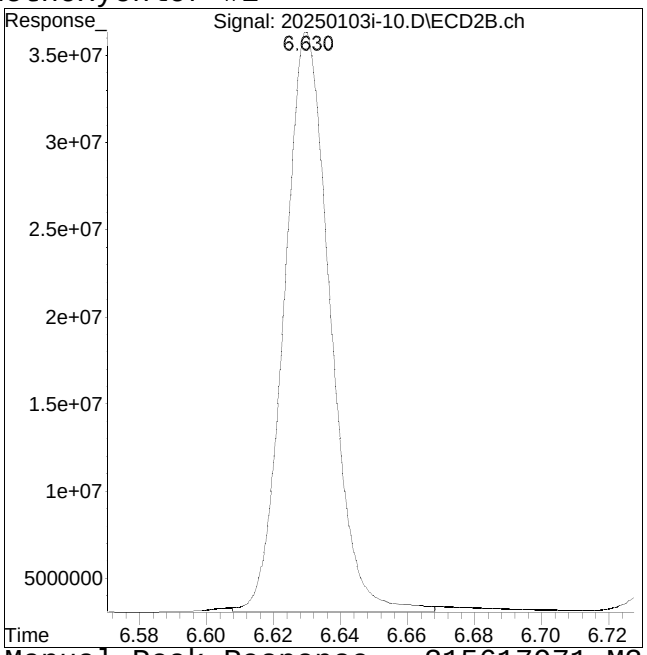
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-10.D
Date Inj'd : 1/3/2025 13:31
Sample : il9pest,42e,,pp 11941 L0.1

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:17 am

Compound #61: Methoxychlor #2





Original Peak Response = 324714348 Manual Peak Response = 315617971 M3

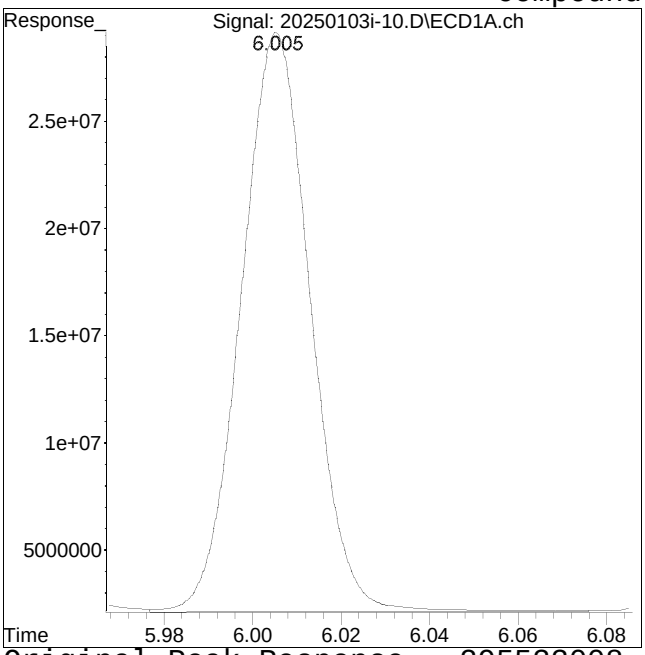
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

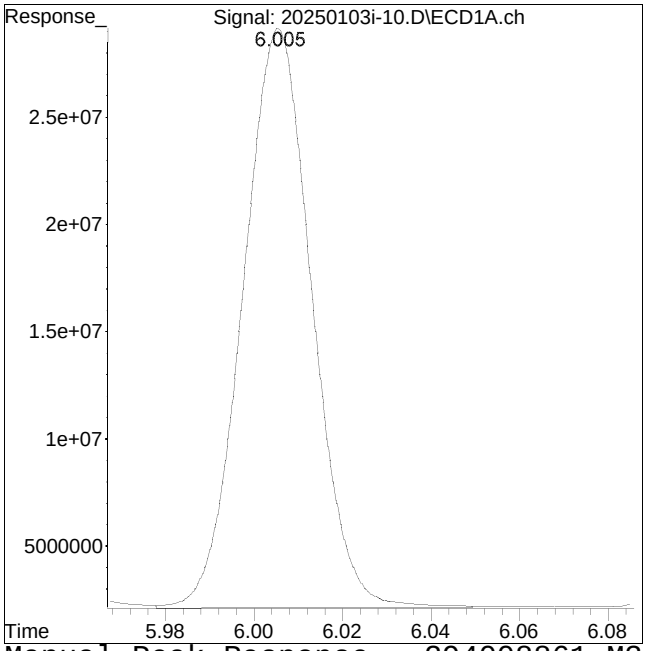
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-10.D
Date Inj'd : 1/3/2025 13:31
Sample : il9pest,42e,,pp 11941 L0.1

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:17 am

Compound #24: Mirex





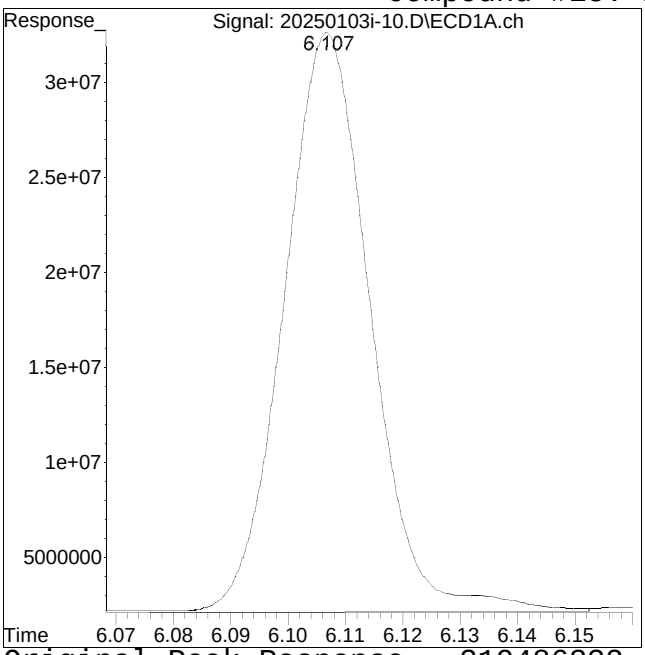
Original Peak Response = 295533008 Manual Peak Response = 294008861 M3

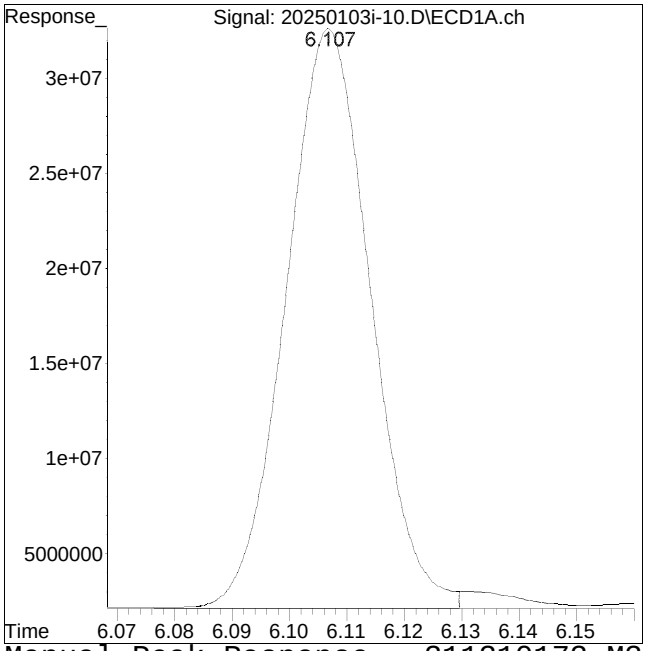
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-10.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:31 Instrument : PEST 20
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/6/2025 9:17 am

Compound #25: Endosulfan Sulfate



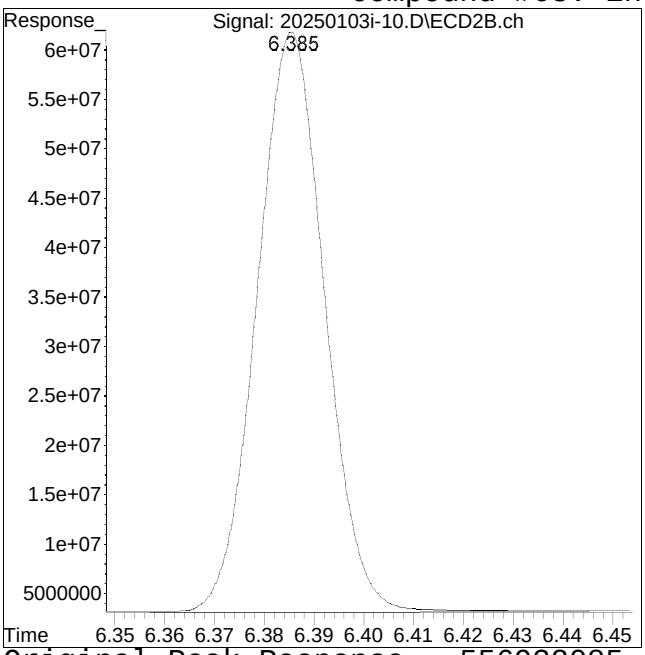


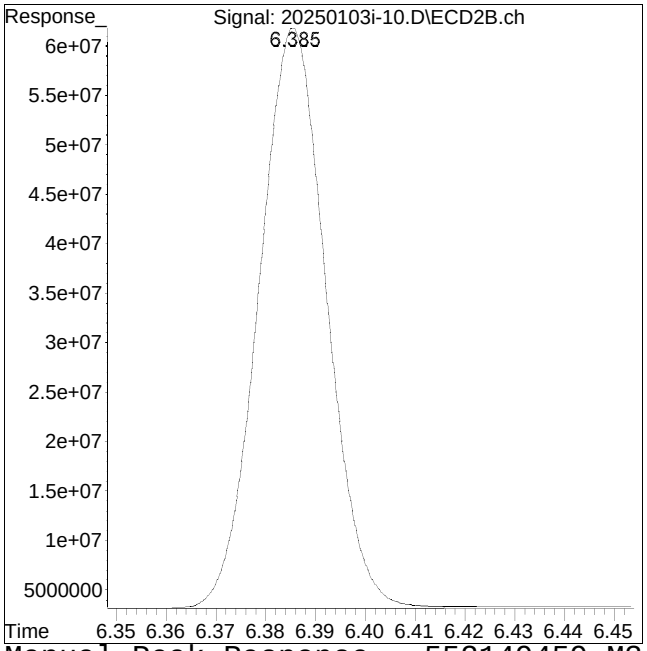
Original Peak Response = 319486332 Manual Peak Response = 311310173 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-10.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:31 Instrument : PEST 20
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/6/2025 9:17 am

Compound #63: Endosulfan Sulfate #2



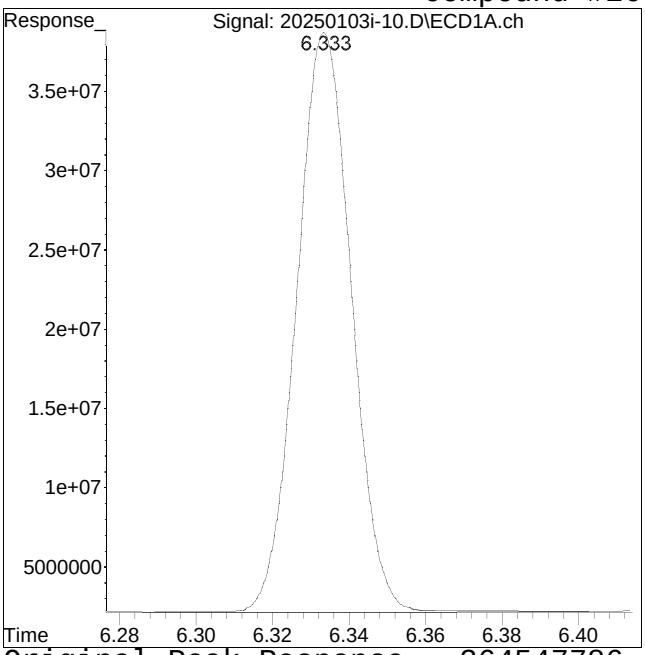


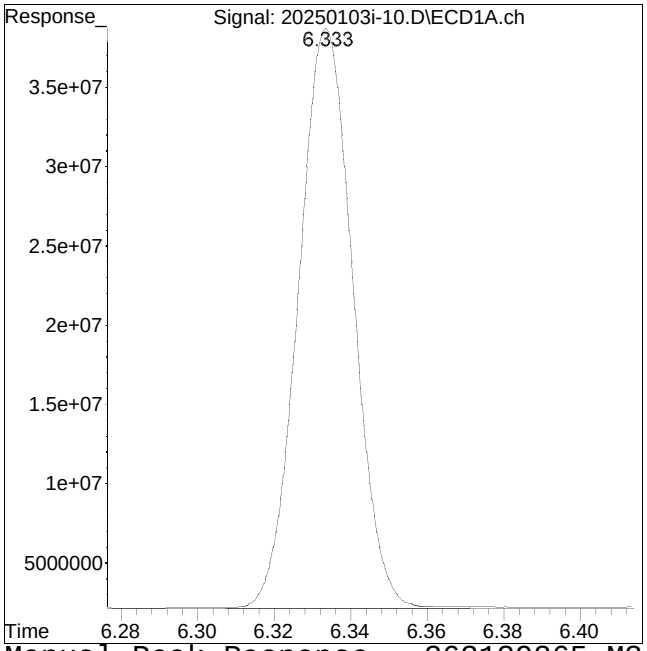
Original Peak Response = 556932085 Manual Peak Response = 552149459 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-10.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:31 Instrument : PEST 20
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/6/2025 9:17 am

Compound #26: Endrin Ketone





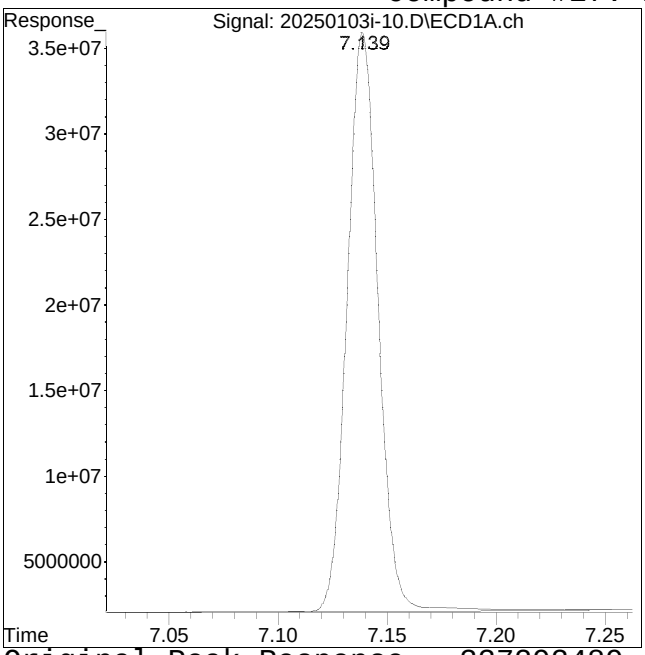
Original Peak Response = 364547786 Manual Peak Response = 363139265 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

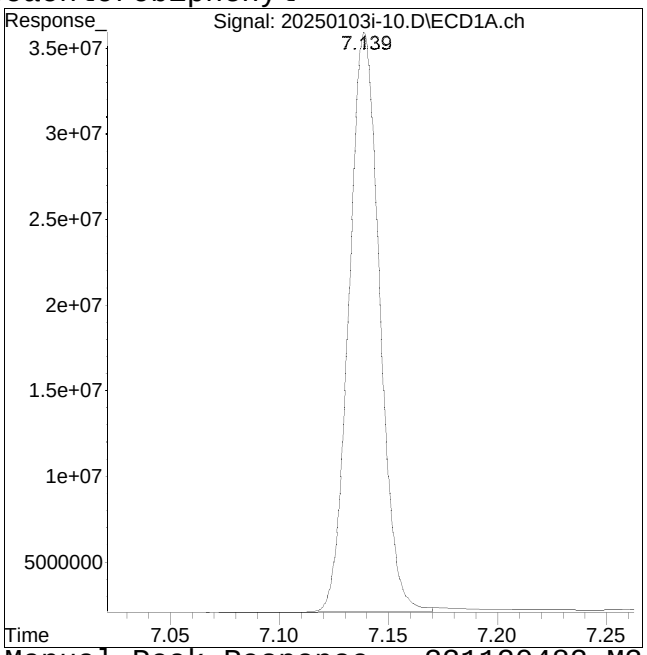
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-10.D
Date Inj'd : 1/3/2025 13:31
Sample : il9pest,42e,,pp 11941 L0.1

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:17 am

Compound #27: Decachlorobiphenyl



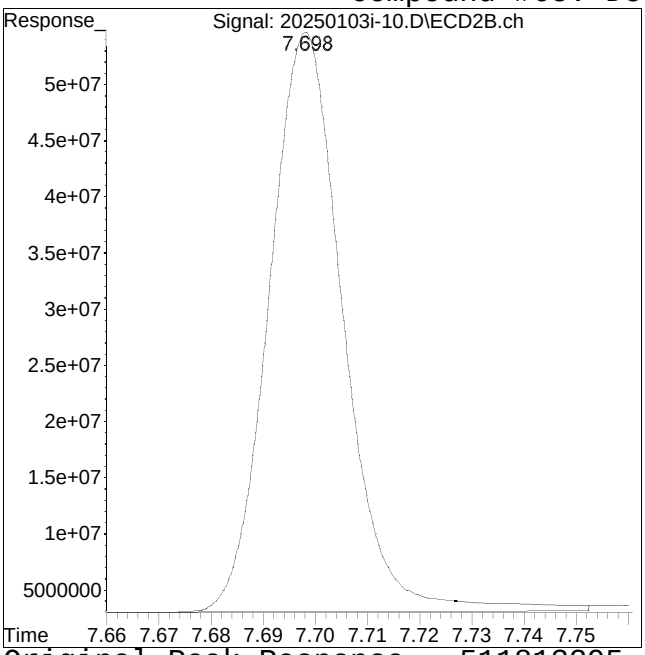


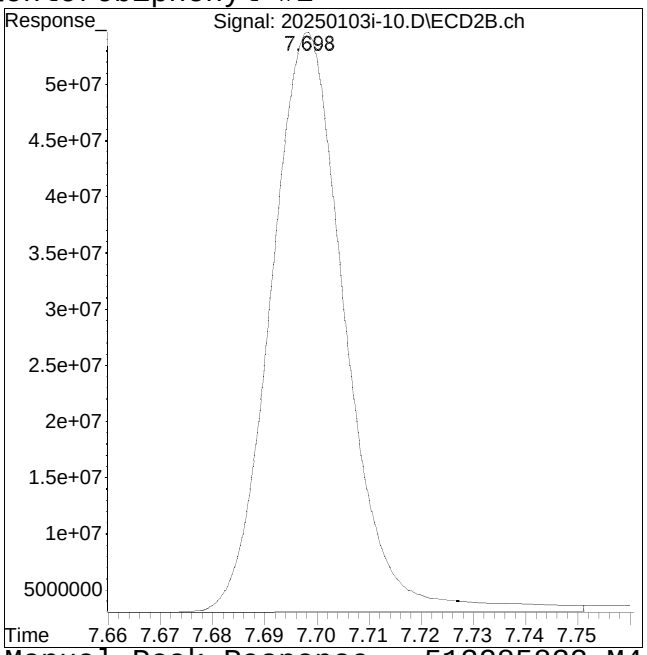
Original Peak Response = 337292489 Manual Peak Response = 331120482 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-10.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:31 Instrument : PEST 20
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/6/2025 9:17 am

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 511813395 Manual Peak Response = 513285832 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-11.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 13:43
Operator : pest20:ejl
Sample : il10pest,42e,,pp 11941 L0.2
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 09:23:29 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 09:23:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
		Internal Standards						
1)	i	1-br-2-nb_Pe	1.802	1.853	82020074	150.2E6	25.000M3	25.000M4
28)	i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33)	i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
		System Monitoring Compounds						
2)	s	2,4,5,6-Tetr	2.261	2.435	698.7E6	1226.7E6	195.010M3	193.918
		Spiked Amount 50.000	Range 30 - 150		Recovery =		390.02%#	387.84%#
27)	s	Decachlorobi	7.140	7.699	648.0E6	991.9E6	193.617M3	193.156M3
		Spiked Amount 50.000	Range 30 - 150		Recovery =		387.23%#	386.31%#
		Target Compounds						
3)		Hexachlorobe	2.519	2.796	721.1E6	1259.6E6	195.083M3	194.913
4)		alpha-BHC	2.638	2.904	950.0E6	1745.2E6	201.565M3	203.140M3
5)		gamma-BHC (l	2.872	3.214	859.1E6	1577.5E6	200.602M3	201.564
6)		beta-BHC	2.940	3.290	379.9E6	694.2E6	196.949M4	197.316
7)		delta-BHC	3.083	3.571	889.6E6	1628.9E6	204.613M4	206.394M4
8)		Heptachlor	3.263	3.631	812.8E6	1455.1E6	197.214M4	197.479M4
9)		Aldrin	3.530	3.965	806.9E6	1417.3E6	200.532	199.618M4
10)		Alachlor	3.673	3.855	119.7E6	195.1E6	181.708M4	182.447M4
11)		Chlorpyrifos	3.773	4.224	338.4E6	619.4E6	185.034M3	186.293M3

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-11.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 13:43
Operator : pest20:ejl
Sample : il10pest,42e,,pp 11941 L0.2
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 09:23:29 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 09:23:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)		Heptachlor E	4.123	4.606	745.8E6	1356.1E6	198.139M4	200.272
13)		gamma-Chlord	4.256	4.834	692.4E6	1228.6E6	201.891M4	201.404M4
14)		alpha-Chlord	4.399	5.004	780.4E6	1361.2E6	200.077M3	200.747M4
15)		4,4'-DDE	4.506	5.206	808.5E6	1348.6E6	203.209M4	201.880M4
16)		Endosulfan I	4.544	5.063	718.1E6	1279.8E6	198.990M3	199.197M3
17)		Dieldrin	4.819	5.357	771.4E6	1362.8E6	201.769M4	202.033M4
18)		Endrin	5.072	5.655	783.9E6	1388.7E6	199.999M3	200.412M4
19)		4,4'-DDD	5.180	5.783	645.9E6	1085.9E6	203.951M4	204.825M4
20)		Endosulfan I	5.307	5.857	669.1E6	1182.2E6	199.198M4	199.234M3
21)		4,4'-DDT	5.467	6.061	698.8E6	1227.7E6	203.246M4	201.814M4
22)		Endrin Aldeh	5.718	6.155	572.0E6	1003.5E6	199.171M4	200.378M4
23)		Methoxychlor	5.946	6.630	357.9E6	610.8E6	190.576M4	192.026M3
24)		Mirex	6.006	6.764	580.2E6	965.1E6	194.099M3	194.764M4
25)		Endosulfan S	6.108	6.385	619.7E6	1107.8E6	197.643M3	200.271M4
26)		Endrin Keton	6.334	6.802	719.3E6	1278.0E6	196.779M3	196.606M3
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-11.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 13:43
Operator : pest20:ejl
Sample : il10pest,42e,,pp 11941 L0.2
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 09:23:29 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 09:23:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

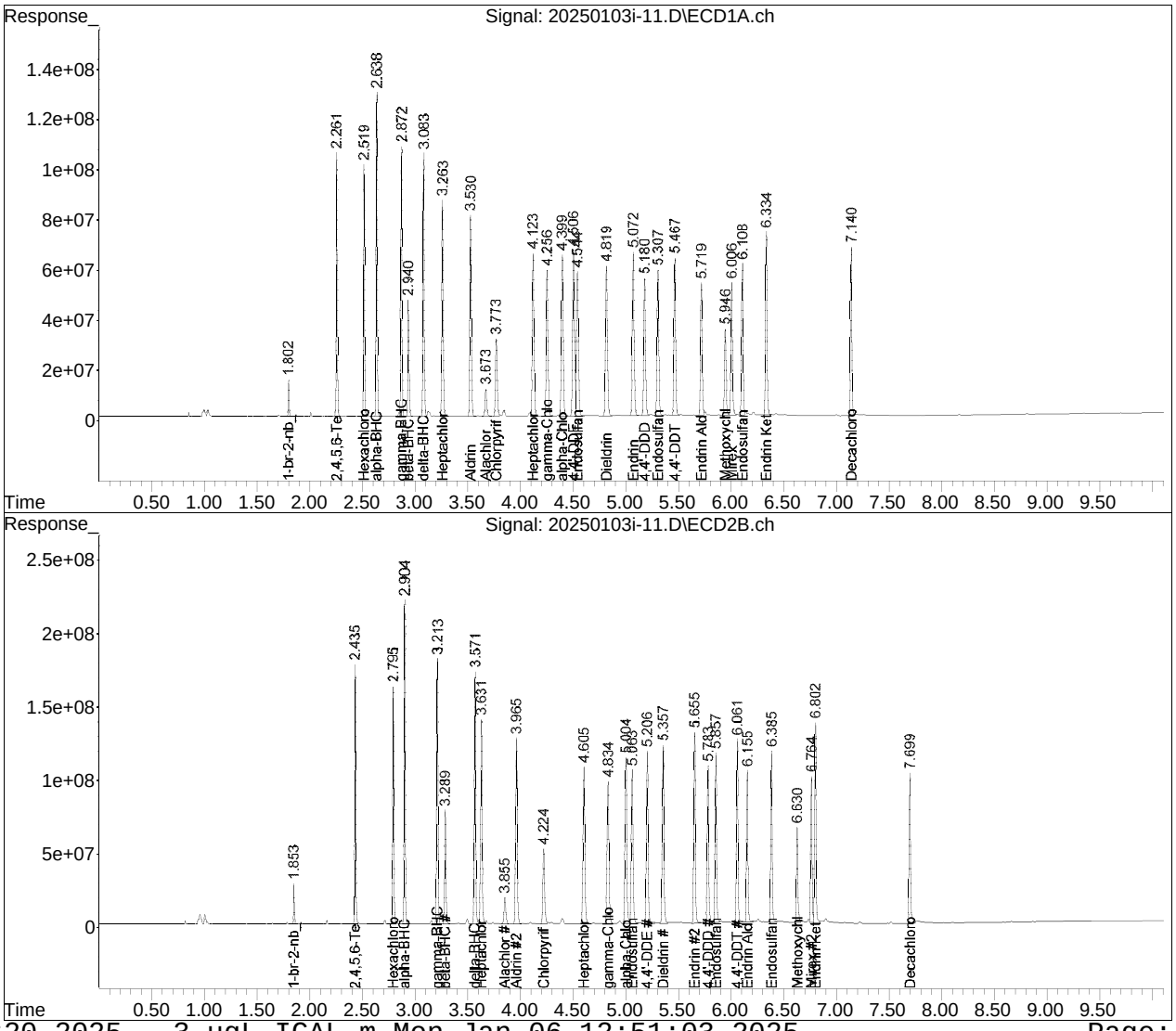
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-11.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 13:43
Operator : pest20:ejl
Sample : il10pest,42e,,pp 11941 L0.2
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 09:23:29 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 09:23:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

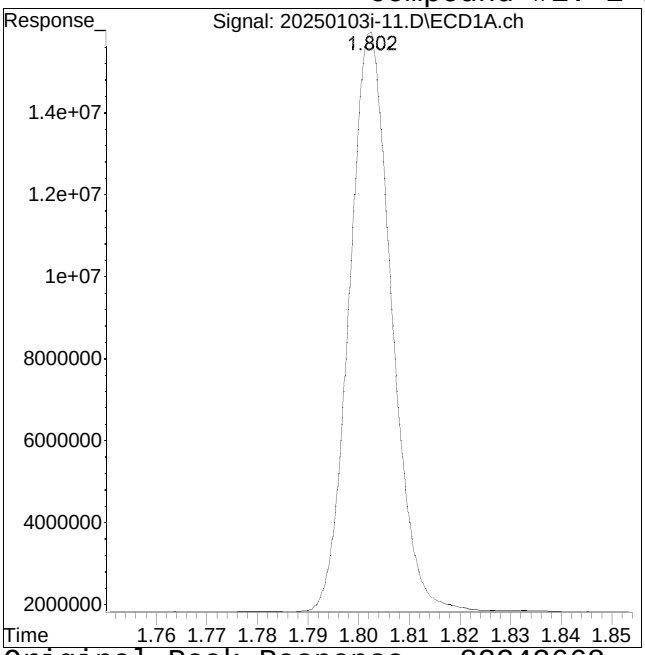


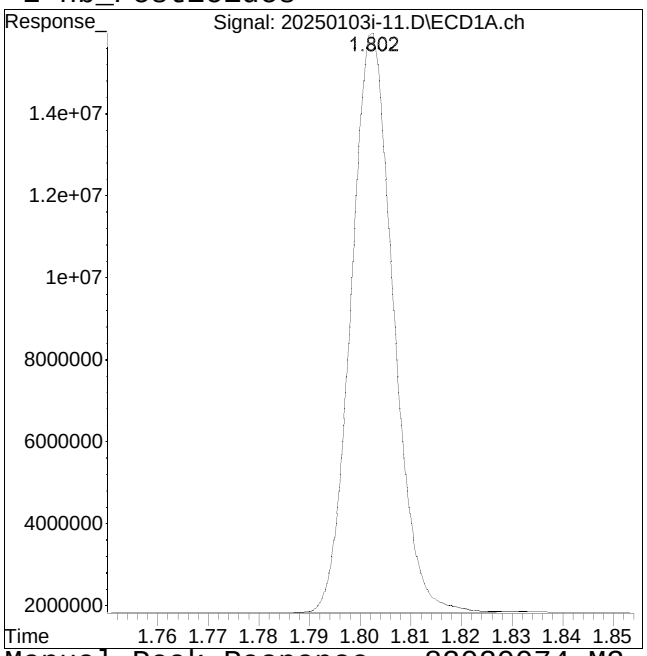
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-11.D
Date Inj'd : 1/3/2025 13:43
Sample : il10pest,42e,,pp 11941 L0.

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:23 am

Compound #1: 1-br-2-nb_Pesticides





Original Peak Response = 82243668 Manual Peak Response = 82020074 M3

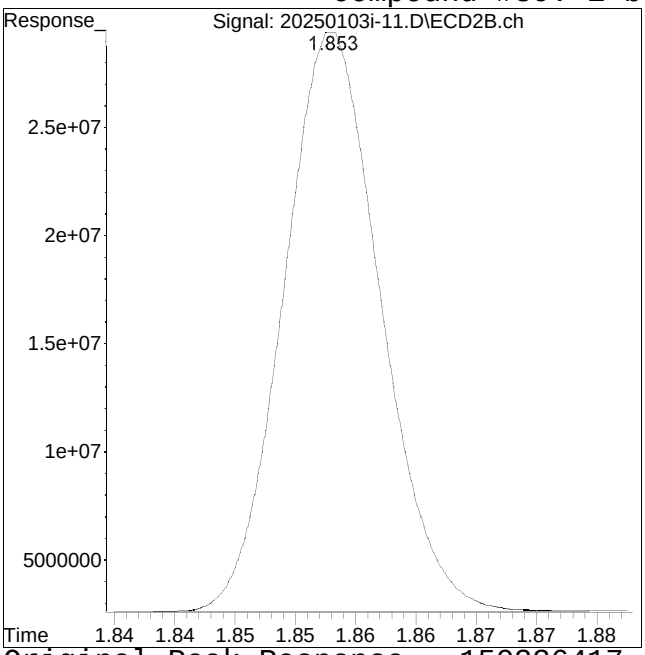
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

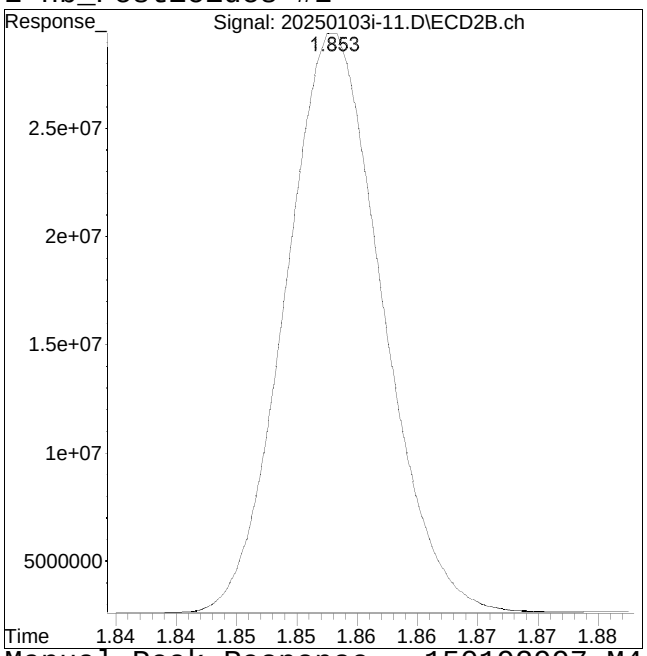
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-11.D
Date Inj'd : 1/3/2025 13:43
Sample : il10pest,42e,,pp 11941 L0.

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:23 am

Compound #39: 1-br-2-nb_Pesticides #2



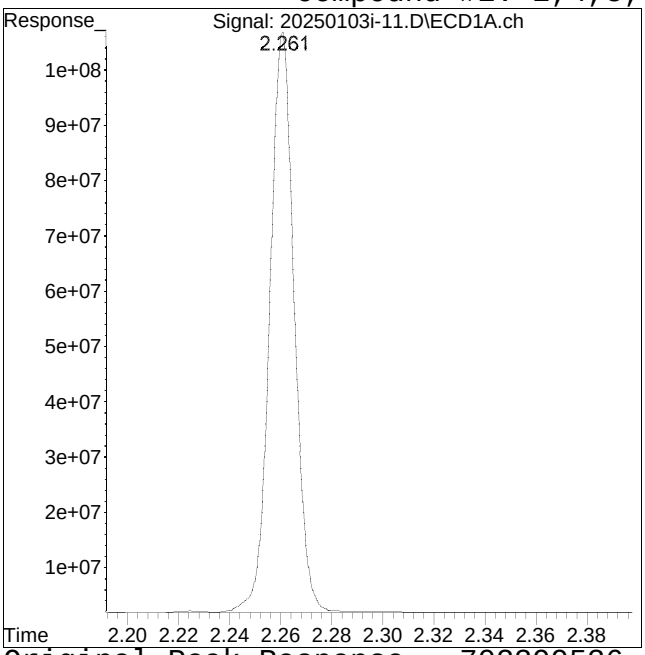


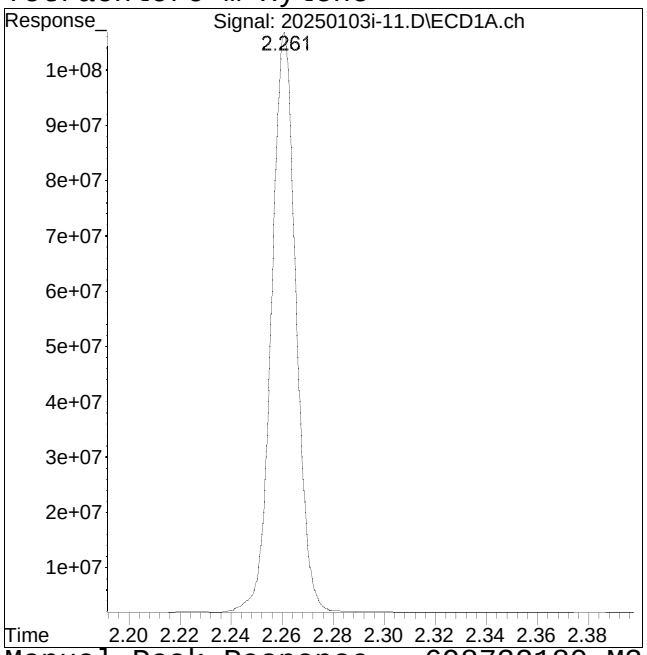
Original Peak Response = 150336417 Manual Peak Response = 150192997 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-11.D
Date Inj'd : 1/3/2025 13:43
Sample : il10pest,42e,,pp 11941 L0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:23 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



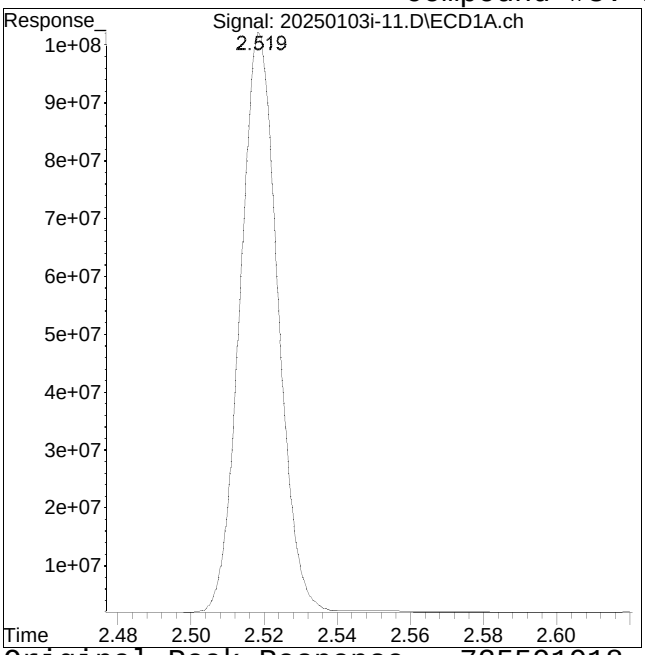


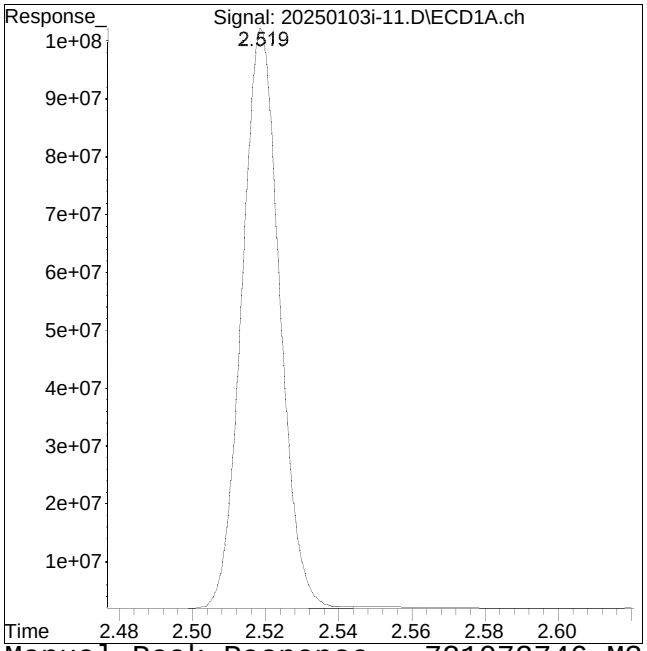
Original Peak Response = 702399536 Manual Peak Response = 698732180 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-11.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:43 Instrument : PEST 20
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/6/2025 9:23 am

Compound #3: Hexachlorobenzene



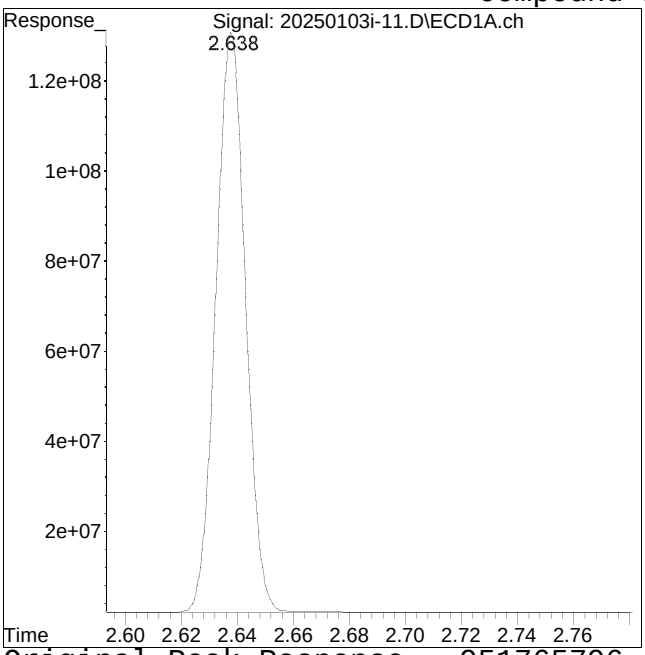


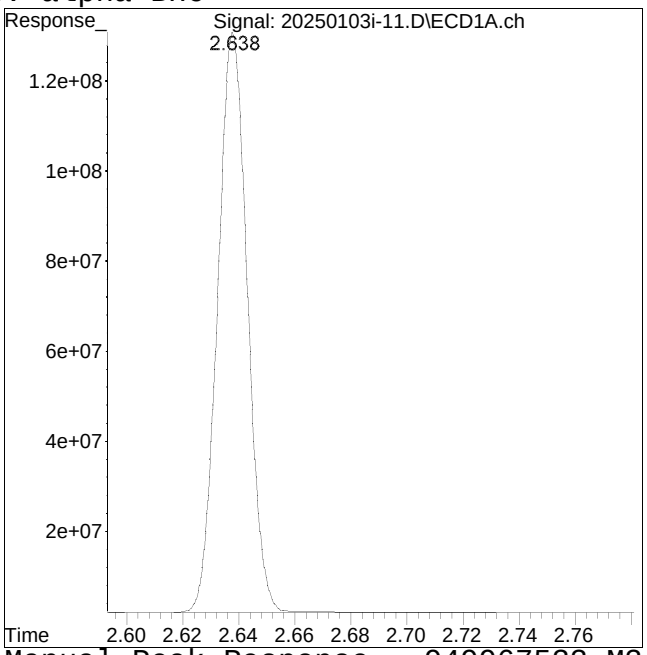
Original Peak Response = 725591918 Manual Peak Response = 721073746 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-11.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:43 Instrument : PEST 20
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/6/2025 9:23 am

Compound #4: alpha-BHC



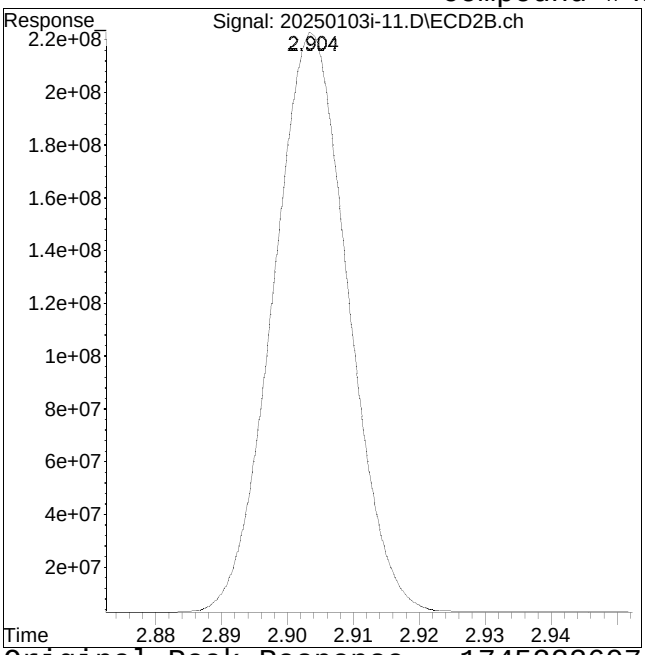


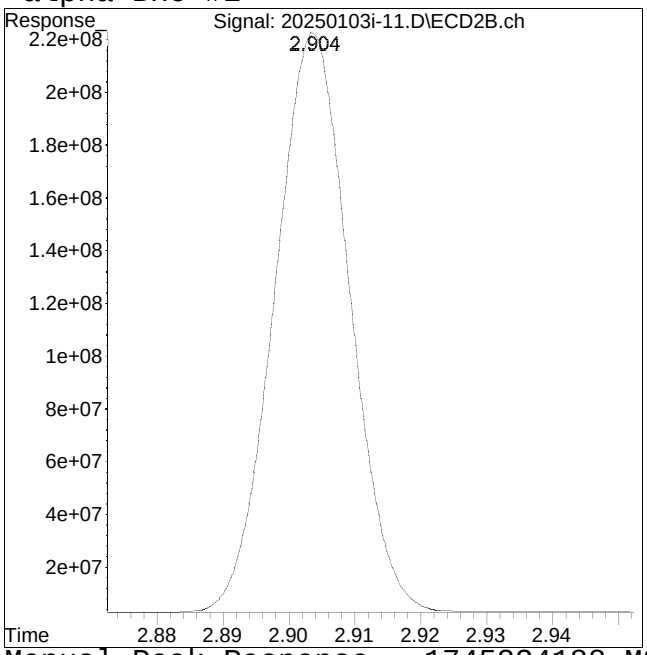
Original Peak Response = 951765796 Manual Peak Response = 949967533 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-11.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:43 Instrument : PEST 20
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/6/2025 9:23 am

Compound #42: alpha-BHC #2



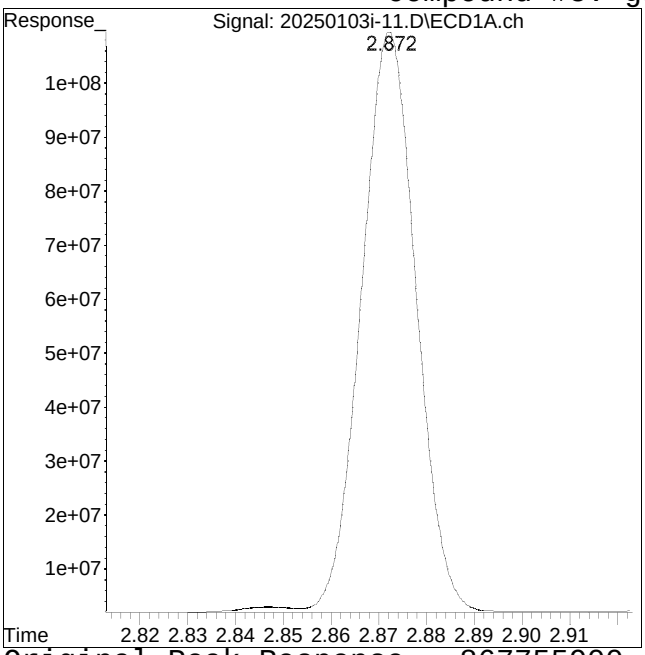


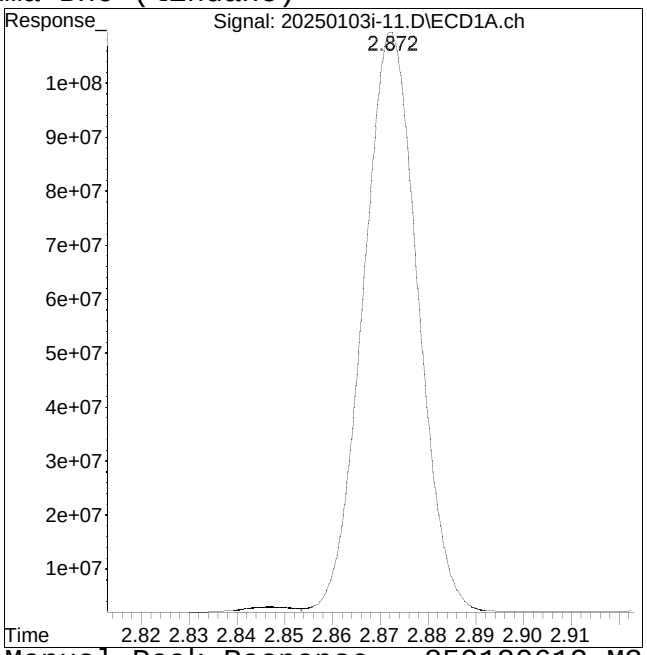
Original Peak Response = 1745223607 Manual Peak Response = 1745234188 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-11.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:43 Instrument : PEST 20
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/6/2025 9:23 am

Compound #5: gamma-BHC (lindane)



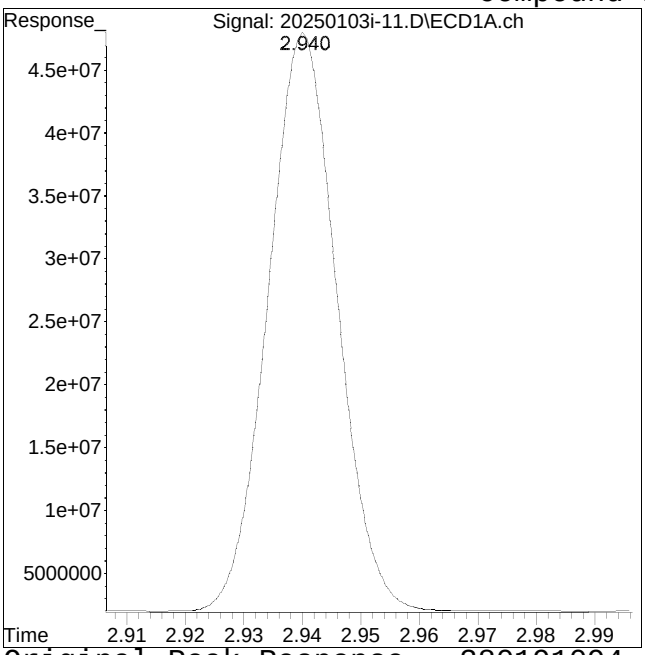


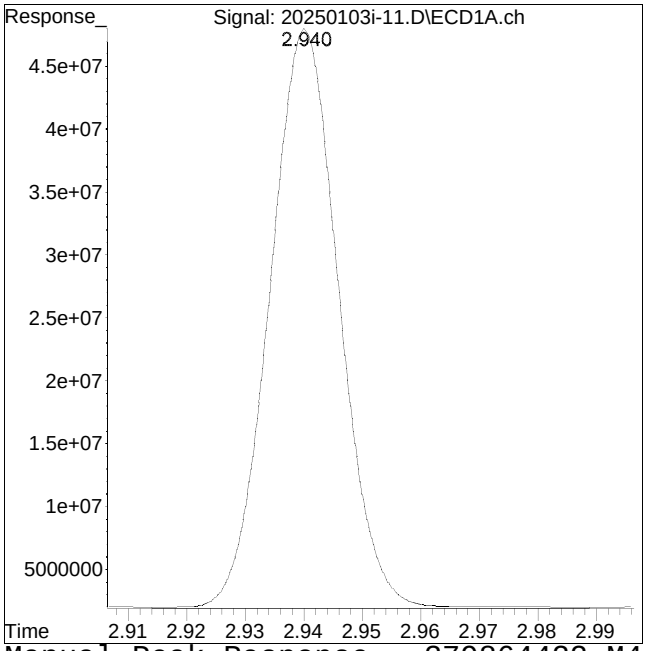
Original Peak Response = 867755900 Manual Peak Response = 859120612 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-11.D
Date Inj'd : 1/3/2025 13:43
Sample : il10pest,42e,,pp 11941 L0.
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:23 am

Compound #6: beta-BHC



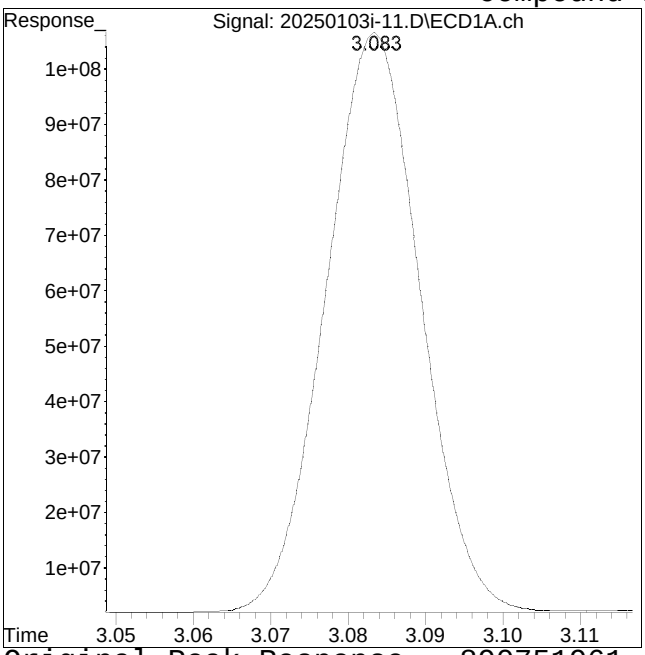


Original Peak Response = 380191094 Manual Peak Response = 379864422 M4
M4 = Poor automated baseline construction.

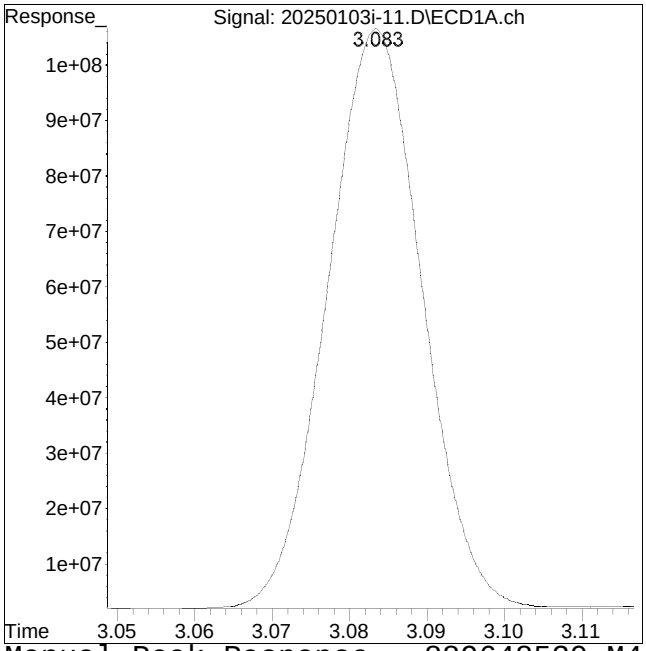
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-11.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:43 Instrument : PEST 20
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/6/2025 9:23 am

Compound #7: delta-BHC



Original Peak Response = 890751961



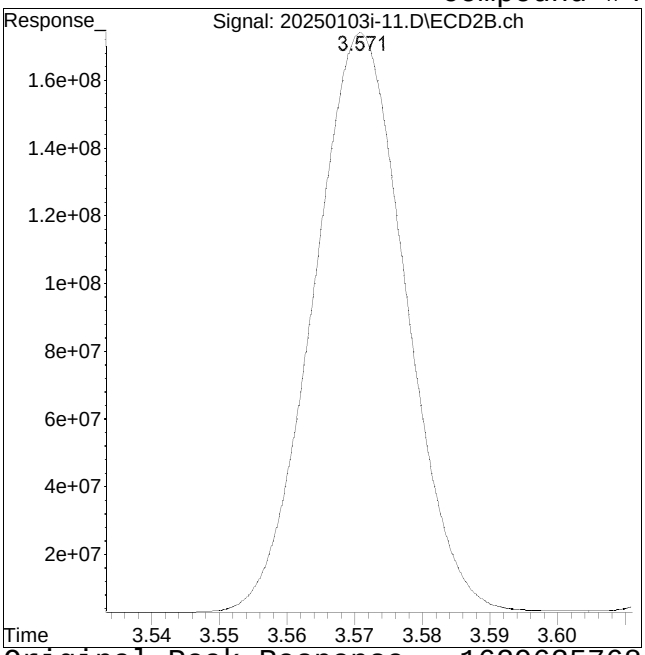
Manual Peak Response = 889648530 M4

M4 = Poor automated baseline construction.

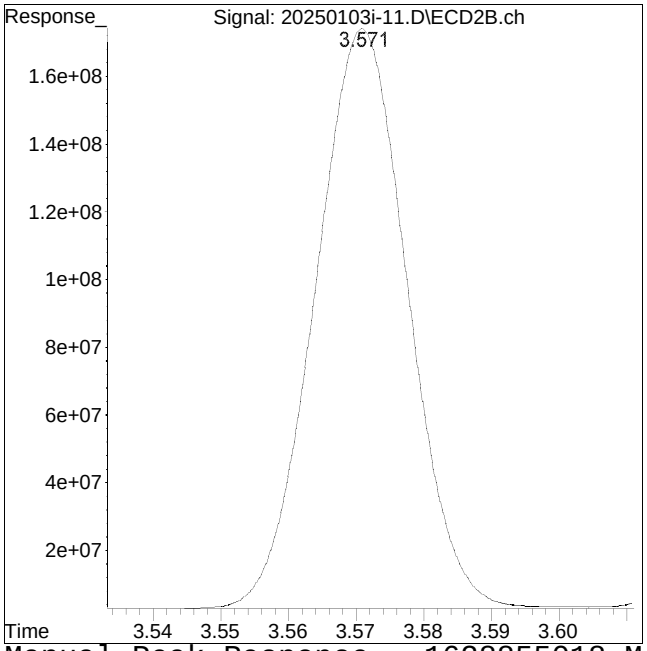
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-11.D
Date Inj'd : 1/3/2025 13:43
Sample : il10pest,42e,,pp 11941 L0.
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:23 am

Compound #45: delta-BHC #2



Original Peak Response = 1629625768



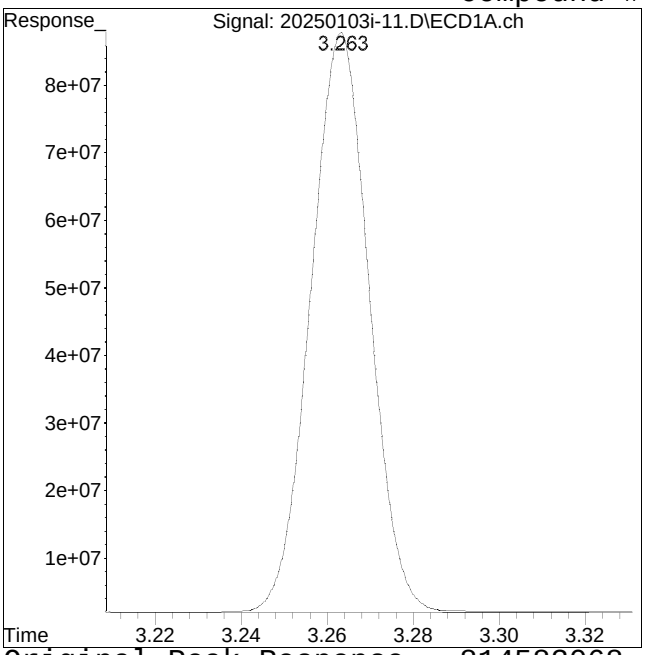
Manual Peak Response = 1628855018 M4

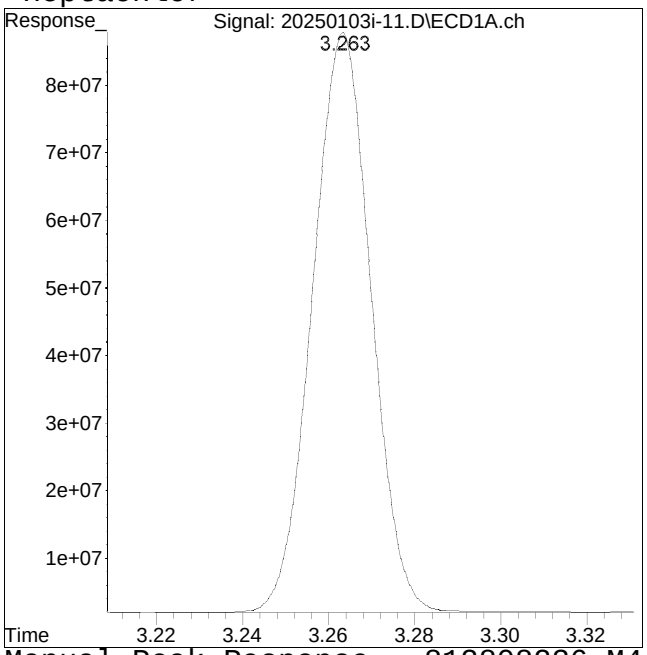
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-11.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:43 Instrument : PEST 20
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/6/2025 9:23 am

Compound #8: Heptachlor



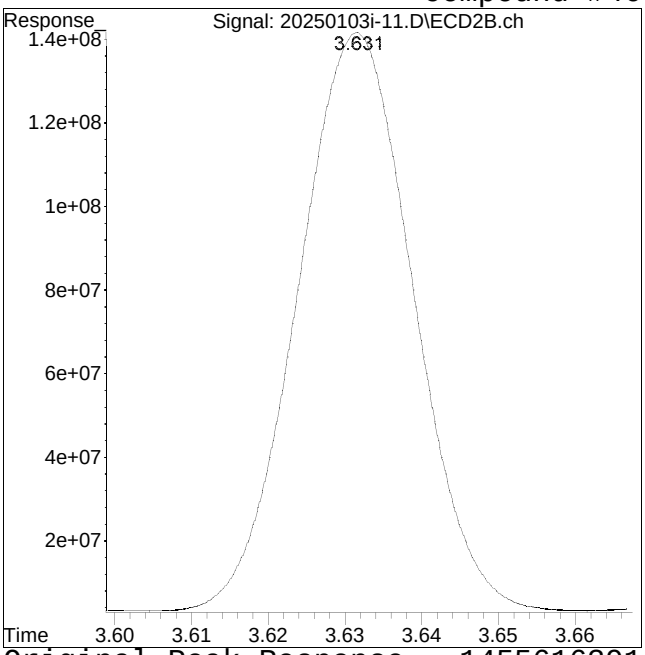


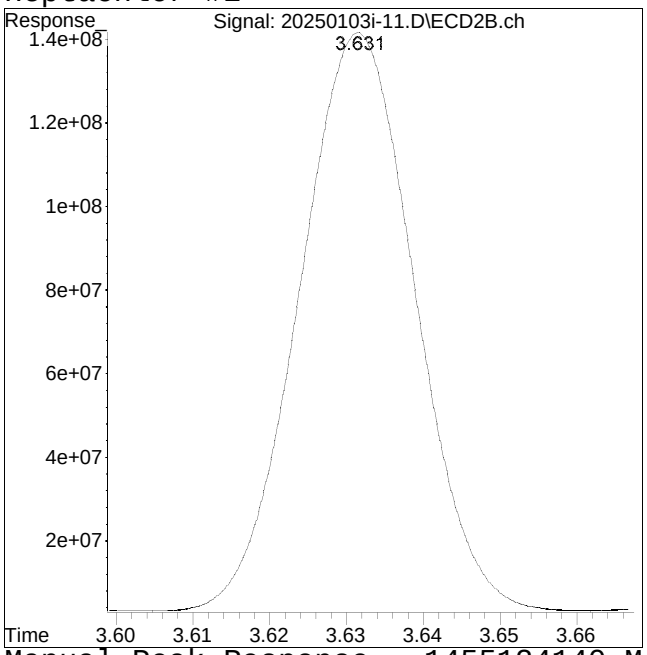
Original Peak Response = 814583068 Manual Peak Response = 812808236 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-11.D
Date Inj'd : 1/3/2025 13:43
Sample : il10pest,42e,,pp 11941 L0.
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:23 am

Compound #46: Heptachlor #2



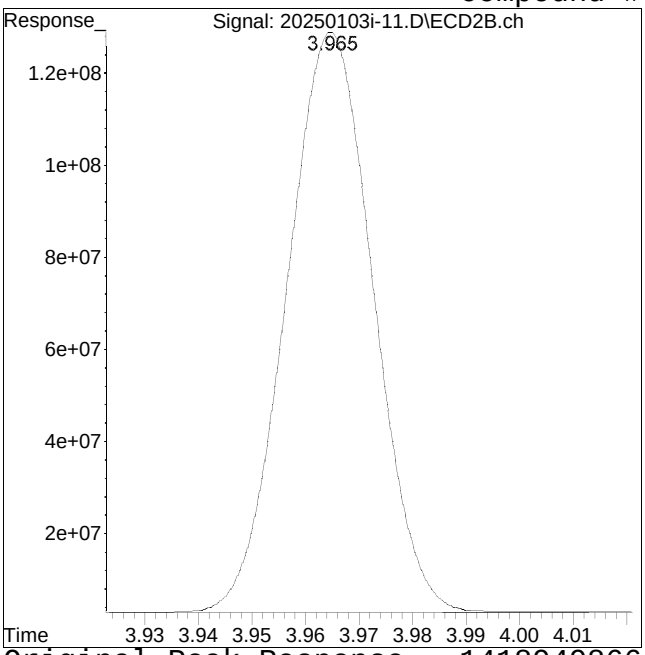


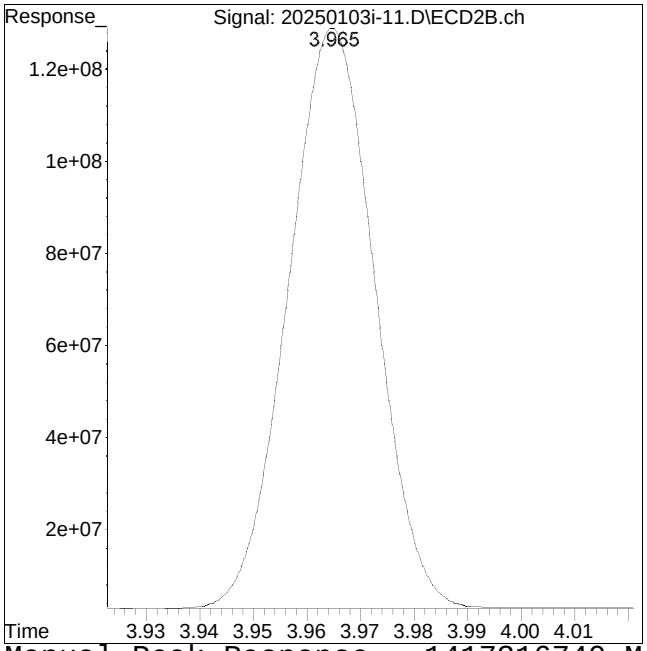
Original Peak Response = 1455616391 Manual Peak Response = 1455124140 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-11.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:43 Instrument : PEST 20
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/6/2025 9:23 am

Compound #47: Aldrin #2



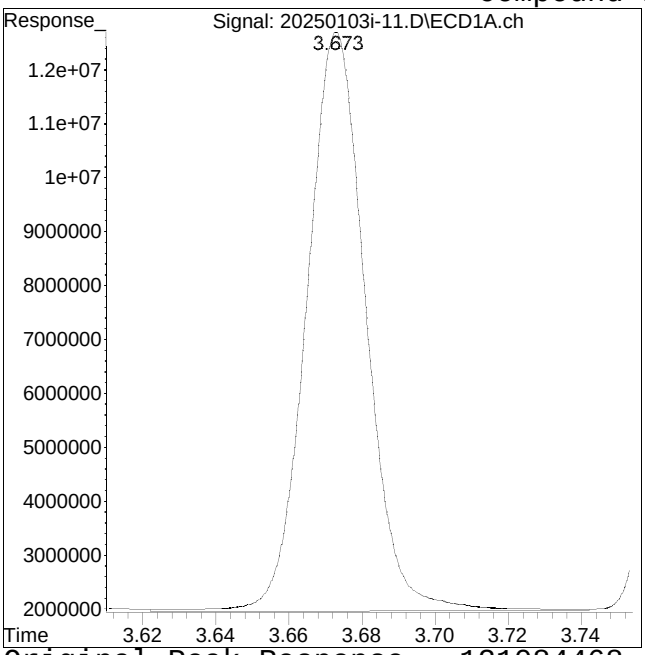


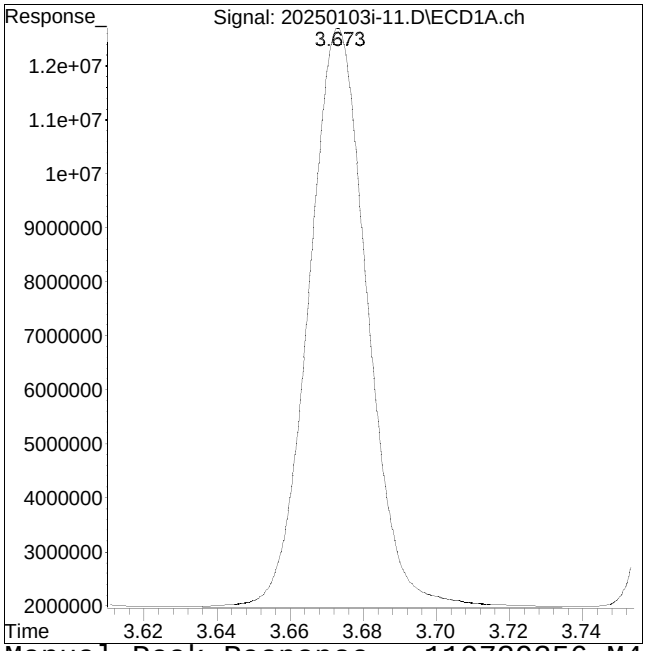
Original Peak Response = 1418949866 Manual Peak Response = 1417316740 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-11.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:43 Instrument : PEST 20
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/6/2025 9:23 am

Compound #10: Alachlor



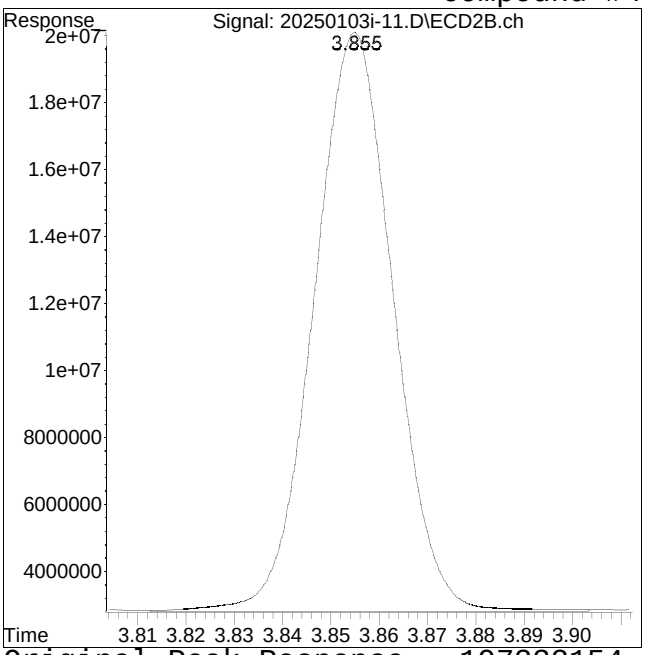


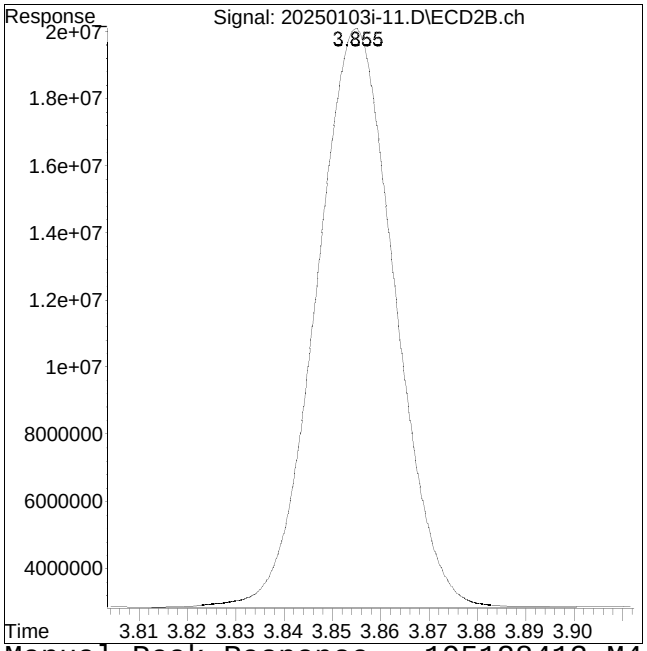
Original Peak Response = 121084468 Manual Peak Response = 119739356 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-11.D
Date Inj'd : 1/3/2025 13:43
Sample : il10pest,42e,,pp 11941 L0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:23 am

Compound #48: Alachlor #2



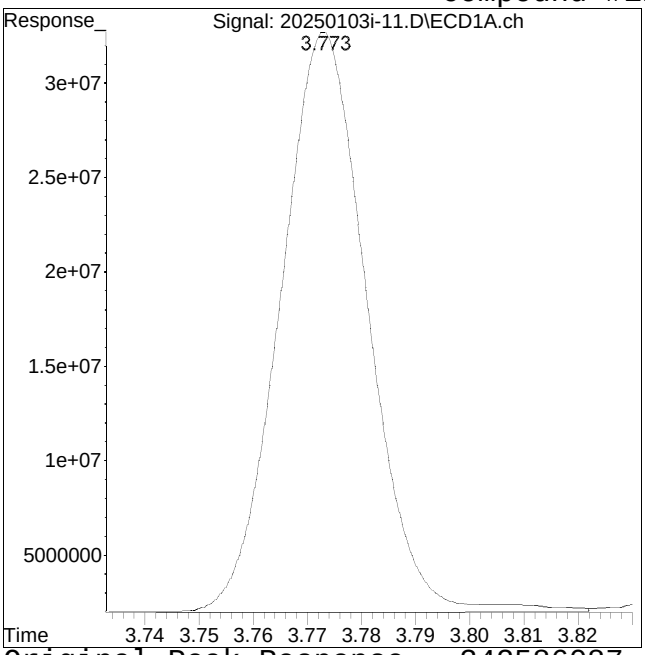


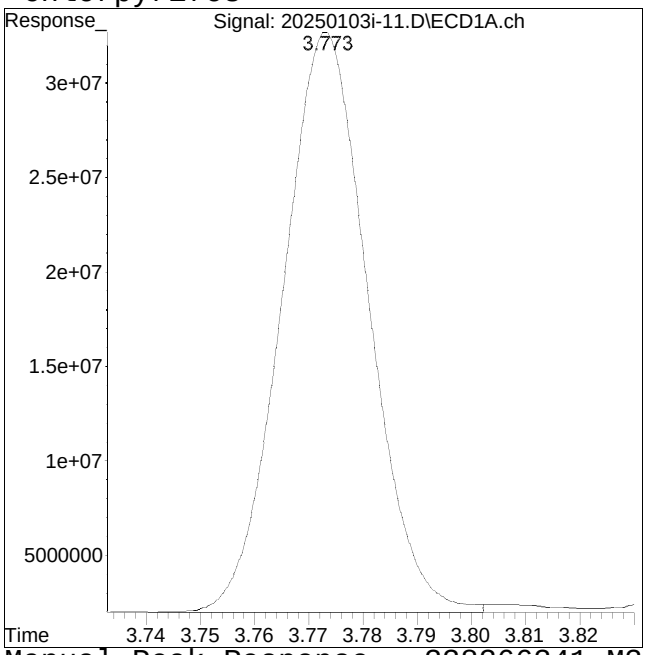
Original Peak Response = 197332154 Manual Peak Response = 195128413 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-11.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:43 Instrument : PEST 20
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/6/2025 9:23 am

Compound #11: Chlorpyrifos



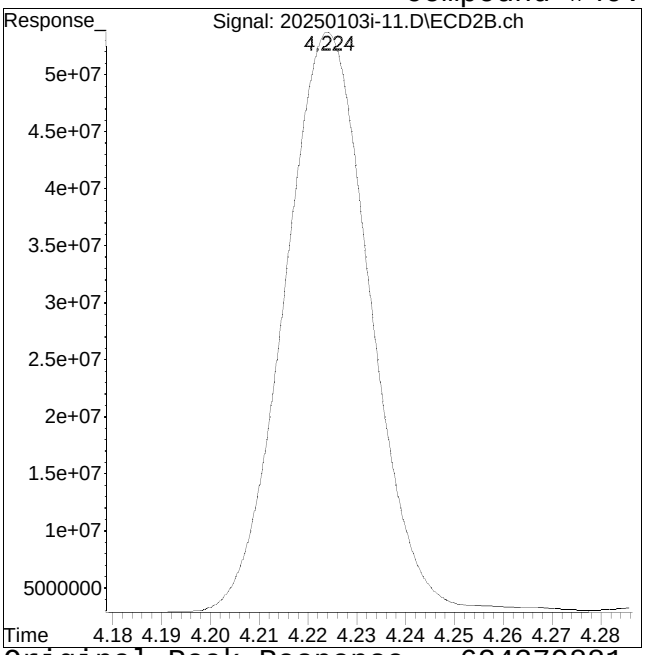


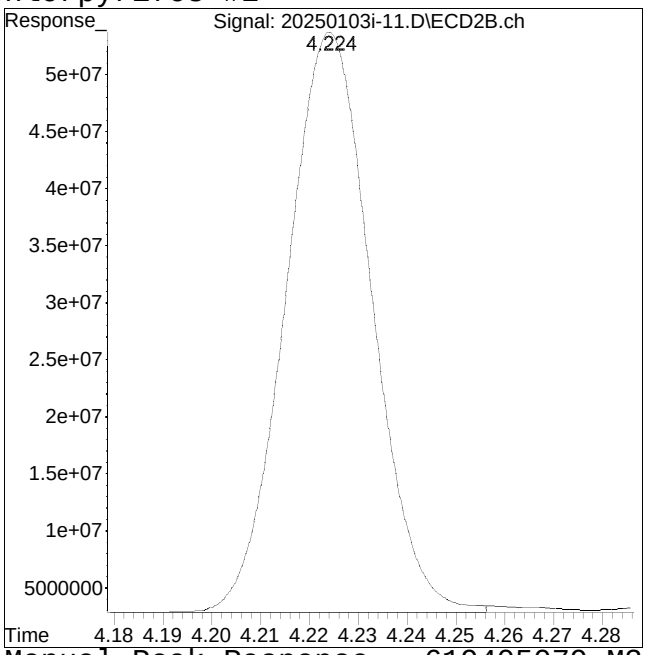
Original Peak Response = 342586087 Manual Peak Response = 338366341 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-11.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:43 Instrument : PEST 20
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/6/2025 9:23 am

Compound #49: Chlorpyrifos #2





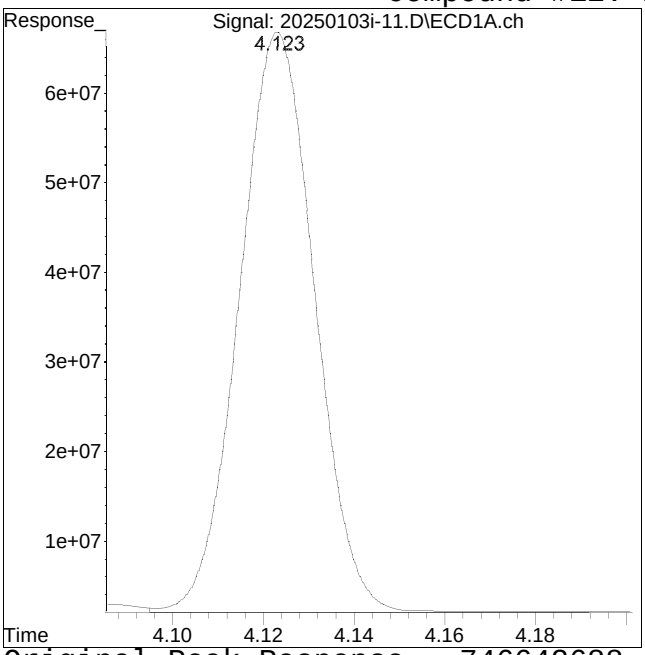
Original Peak Response = 624379881 Manual Peak Response = 619405079 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

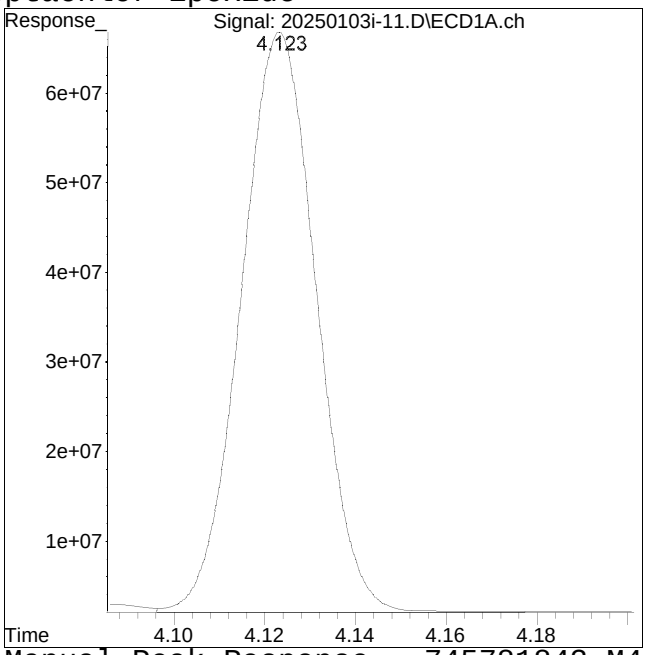
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-11.D
Date Inj'd : 1/3/2025 13:43
Sample : il10pest,42e,,pp 11941 L0.

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:23 am

Compound #12: Heptachlor Epoxide



Original Peak Response = 746642688



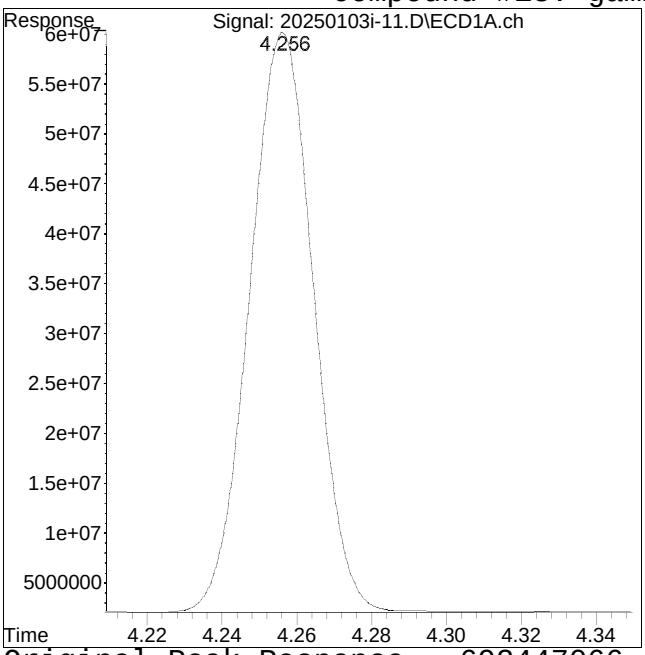
Manual Peak Response = 745781843 M4

M4 = Poor automated baseline construction.

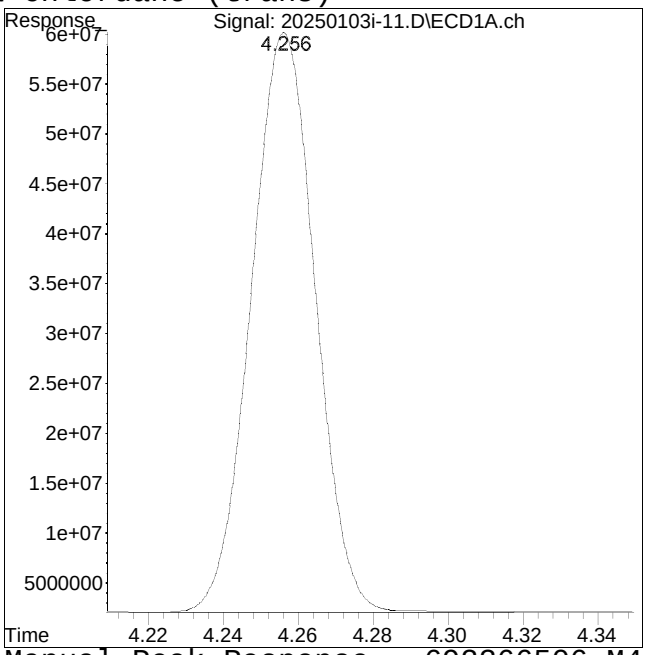
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-11.D
Date Inj'd : 1/3/2025 13:43
Sample : il10pest,42e,,pp 11941 L0.
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:23 am

Compound #13: gamma-Chlordane (trans)



Original Peak Response = 692447066



Manual Peak Response = 692366506 M4

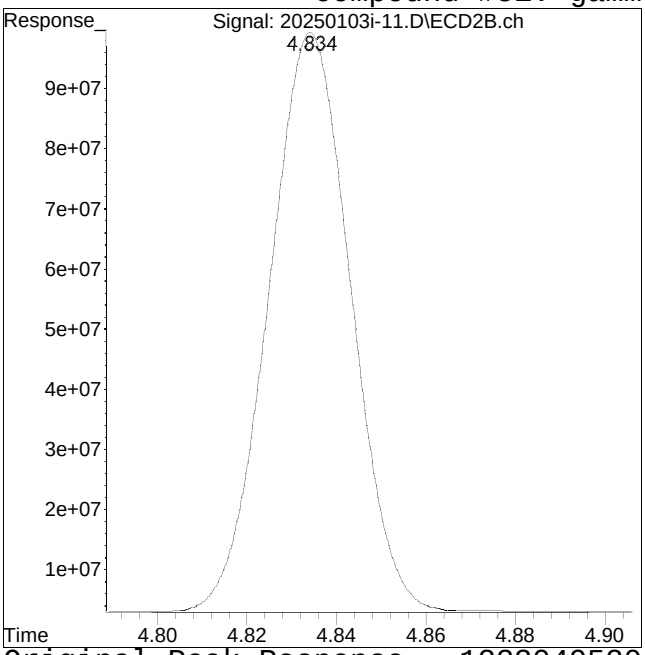
M4 = Poor automated baseline construction.

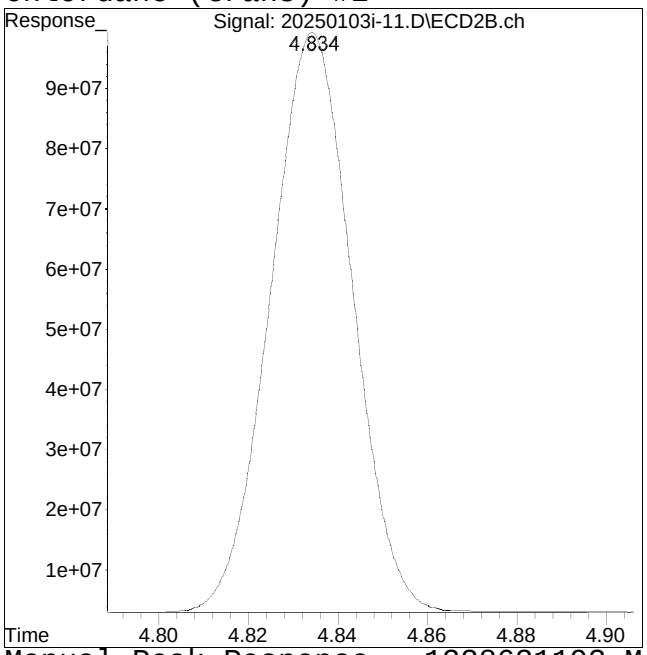
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-11.D
Date Inj'd : 1/3/2025 13:43
Sample : il10pest,42e,,pp 11941 L0.

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:23 am

Compound #51: gamma-Chlordane (trans) #2



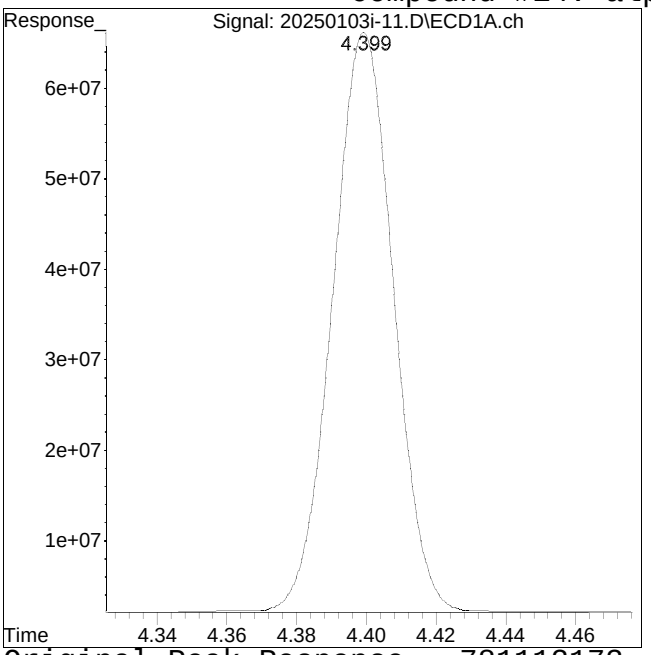


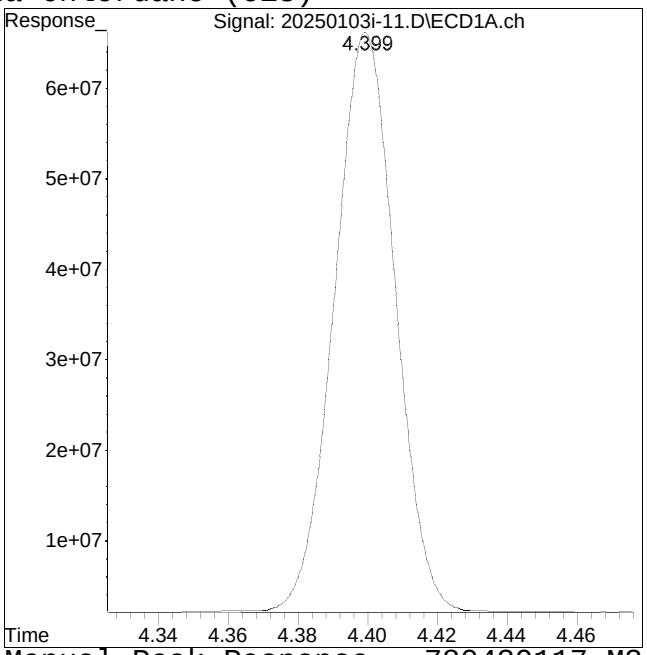
Original Peak Response = 1233049520 Manual Peak Response = 1228631193 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-11.D
Date Inj'd : 1/3/2025 13:43
Sample : il10pest,42e,,pp 11941 L0.
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:23 am

Compound #14: alpha-Chlordane (cis)





Original Peak Response = 781112173 Manual Peak Response = 780439117 M3

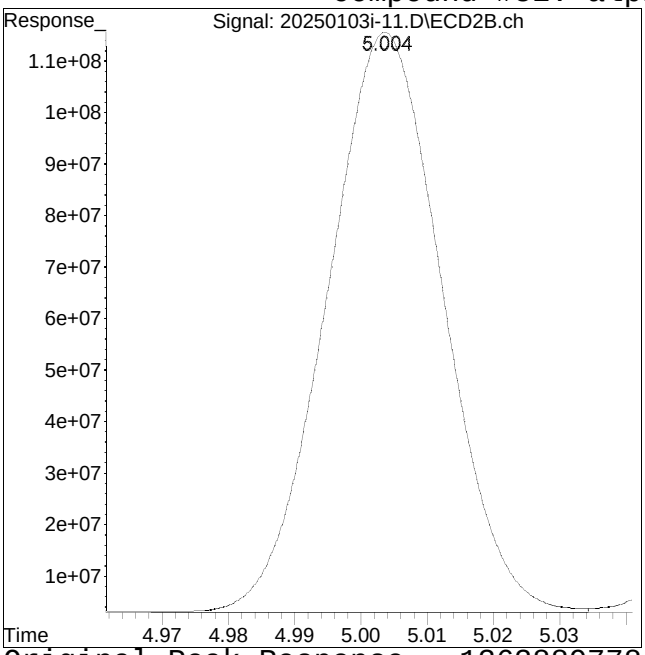
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

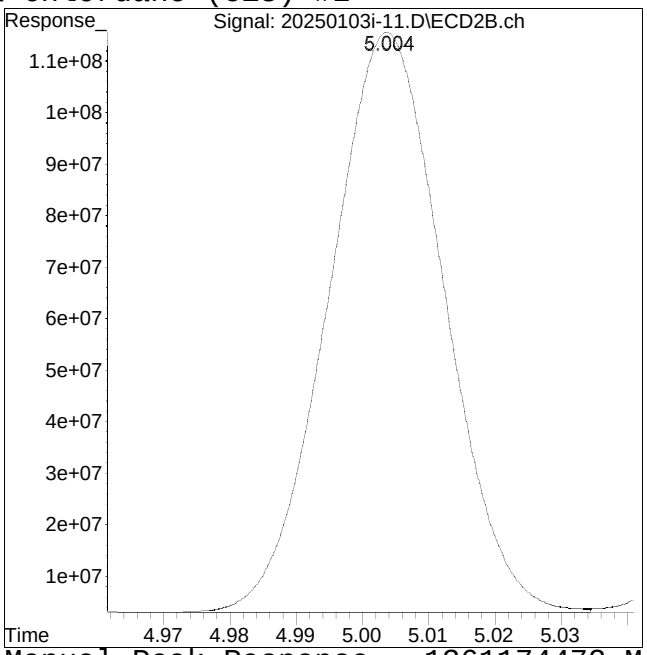
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-11.D
Date Inj'd : 1/3/2025 13:43
Sample : il10pest,42e,,pp 11941 L0.

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:23 am

Compound #52: alpha-Chlordane (cis) #2





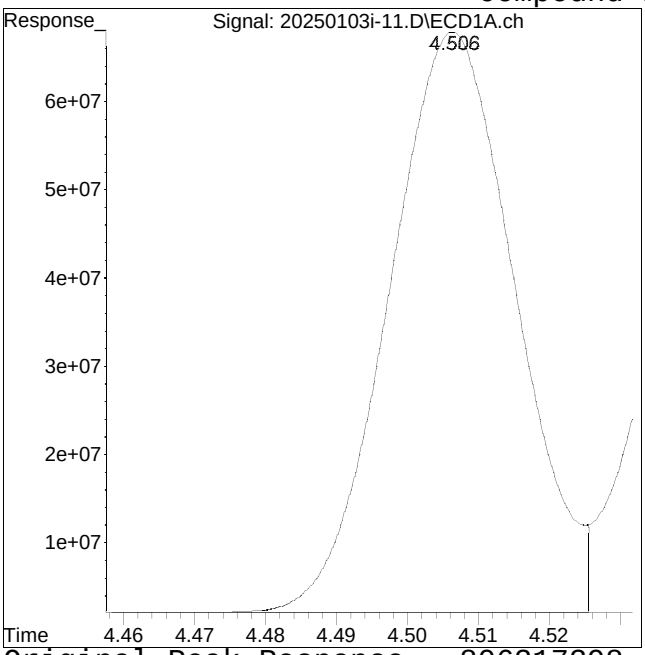
Original Peak Response = 1363889778 Manual Peak Response = 1361174472 M4
M4 = Poor automated baseline construction.

Manual Integration Report

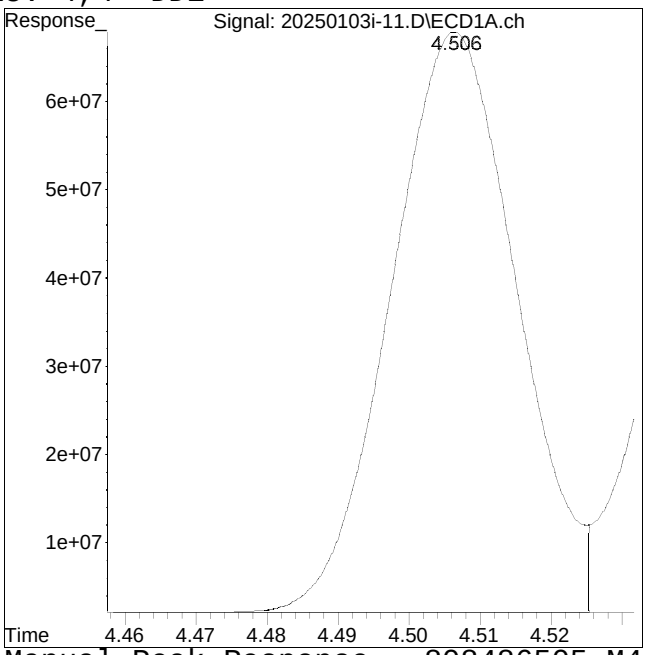
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-11.D
Date Inj'd : 1/3/2025 13:43
Sample : il10pest,42e,,pp 11941 L0.

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:23 am

Compound #15: 4,4'-DDE



Original Peak Response = 806317398



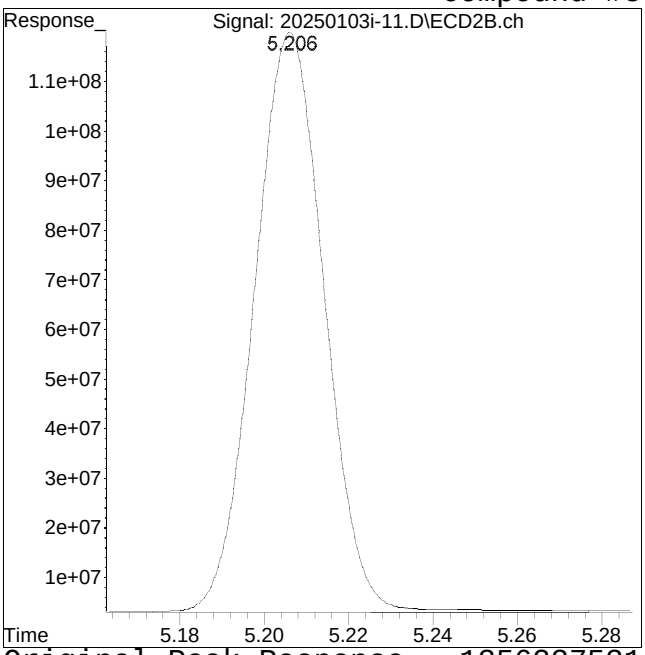
Manual Peak Response = 808486505 M4

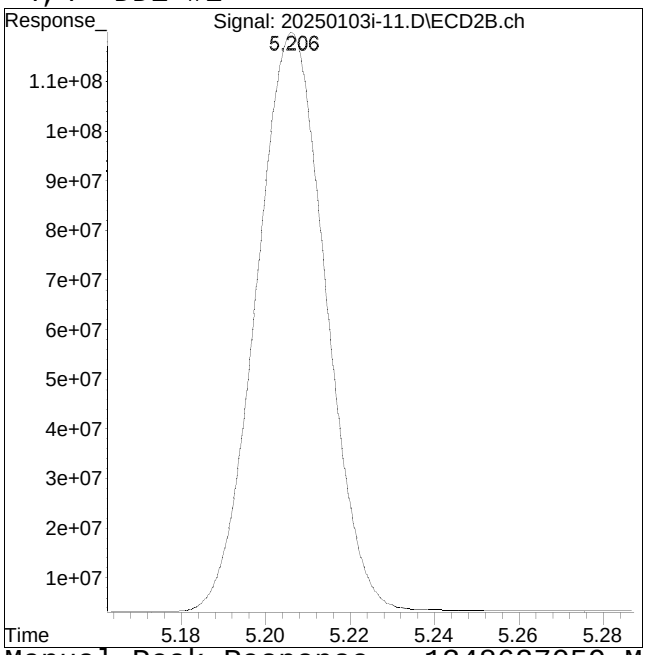
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-11.D
Date Inj'd : 1/3/2025 13:43
Sample : il10pest,42e,,pp 11941 L0.
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:23 am

Compound #53: 4,4'-DDE #2



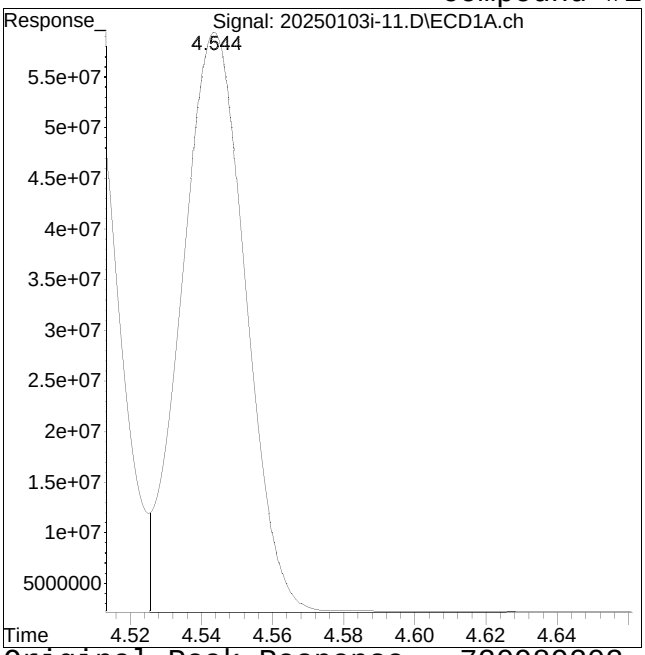


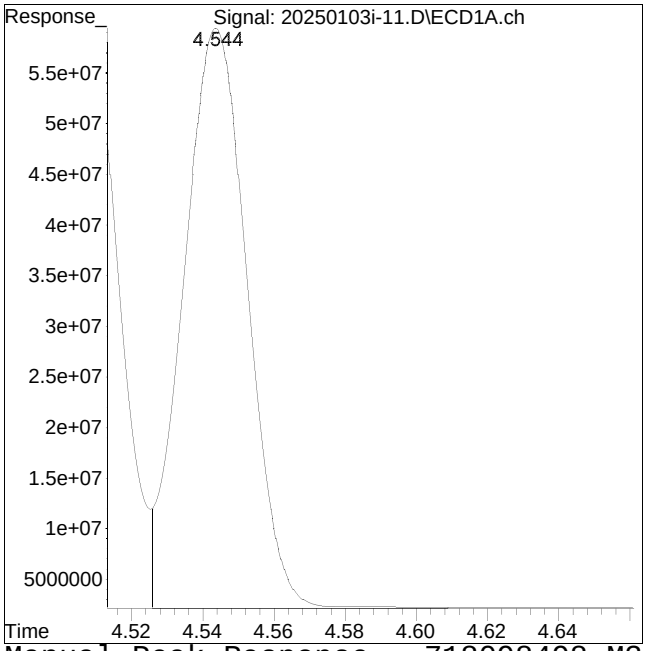
Original Peak Response = 1356227531 Manual Peak Response = 1348627059 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-11.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:43 Instrument : PEST 20
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/6/2025 9:23 am

Compound #16: Endosulfan I



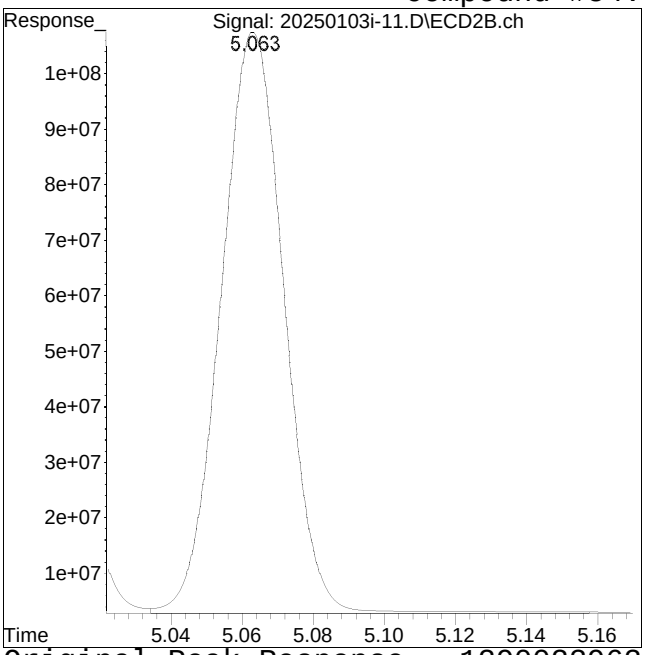


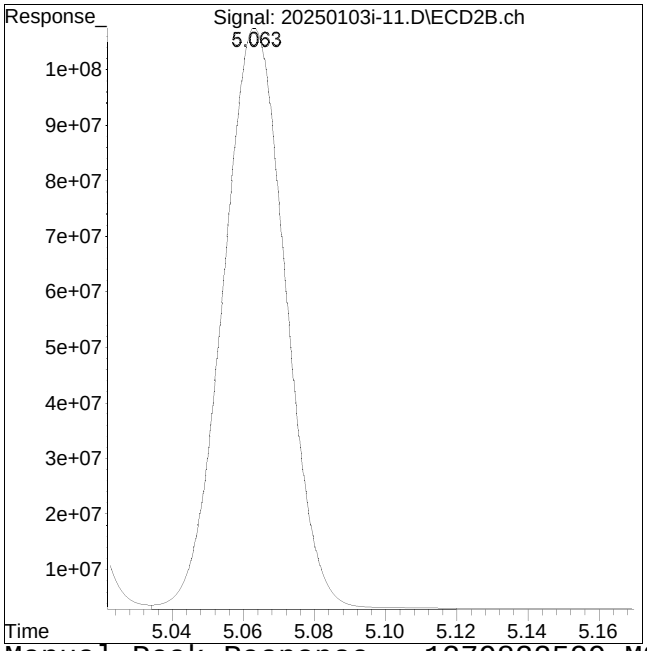
Original Peak Response = 720989203 Manual Peak Response = 718098498 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-11.D
Date Inj'd : 1/3/2025 13:43
Sample : il10pest,42e,,pp 11941 L0.
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:23 am

Compound #54: Endosulfan I #2





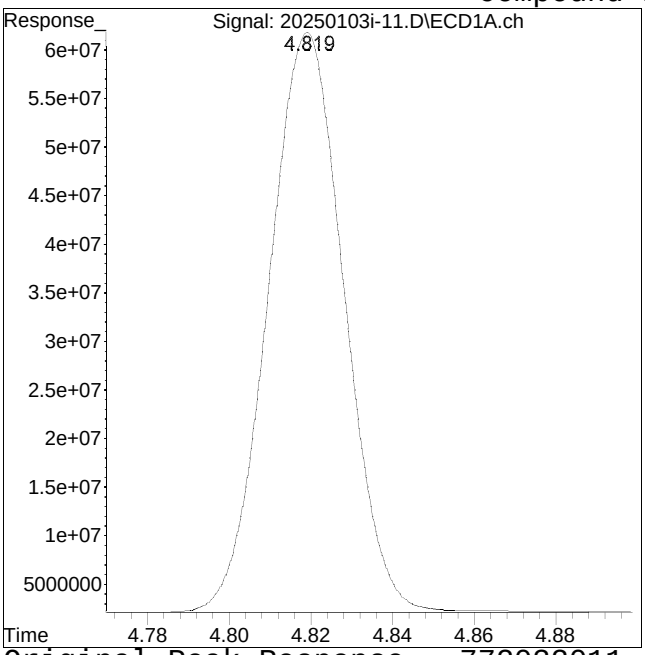
Original Peak Response = 1290023963 Manual Peak Response = 1279832529 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

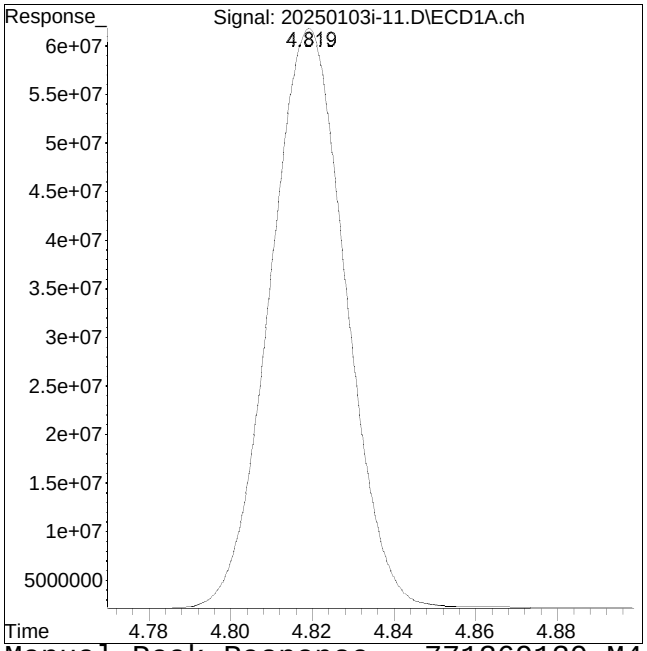
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-11.D
Date Inj'd : 1/3/2025 13:43
Sample : il10pest,42e,,pp 11941 L0.

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:23 am

Compound #17: Dieldrin



Original Peak Response = 772032011



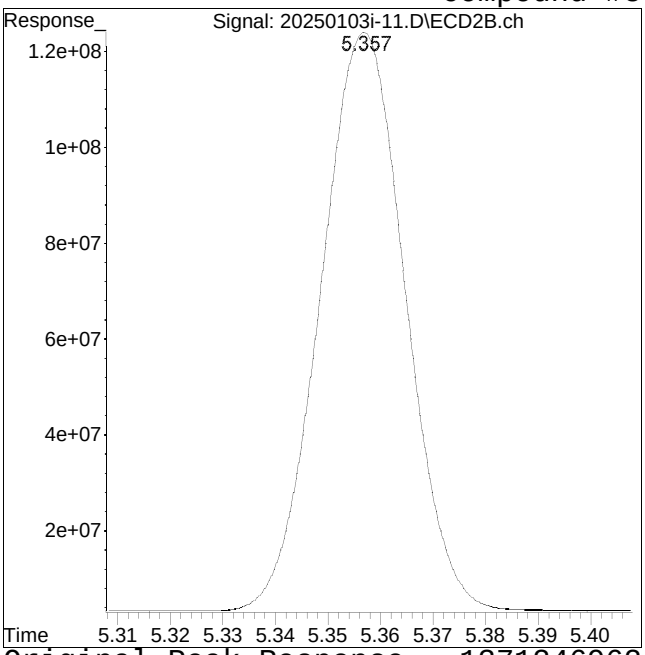
Manual Peak Response = 771369130 M4

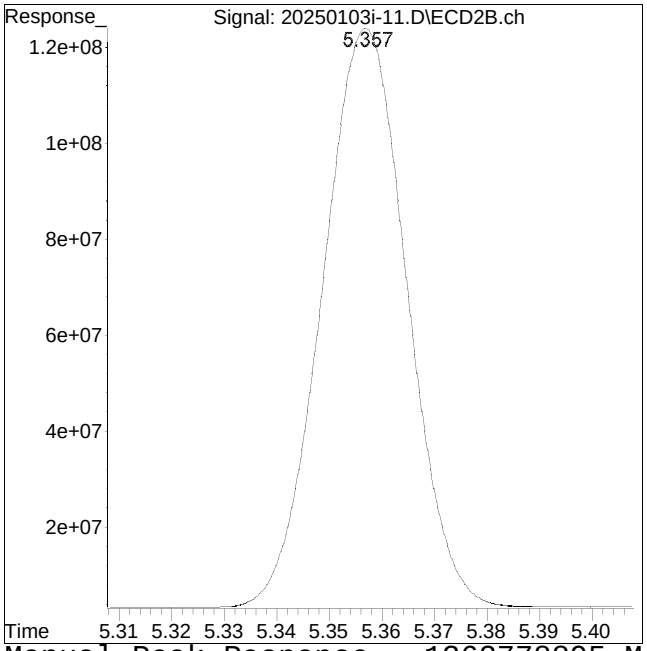
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-11.D
Date Inj'd : 1/3/2025 13:43
Sample : il10pest,42e,,pp 11941 L0.
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:23 am

Compound #55: Dieldrin #2



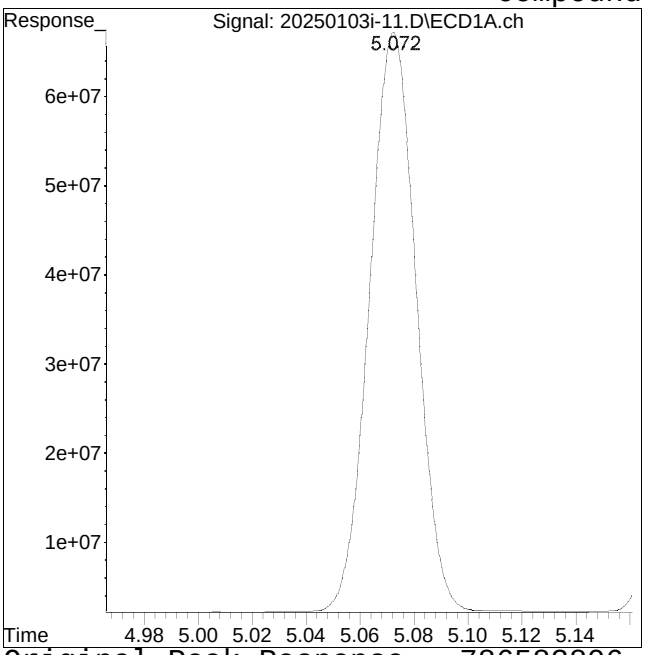


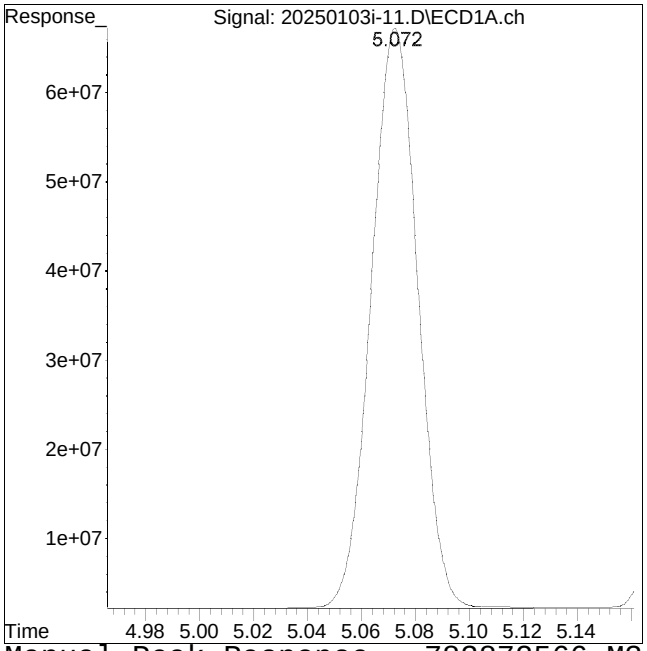
Original Peak Response = 1371246962 Manual Peak Response = 1362778895 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-11.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:43 Instrument : PEST 20
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/6/2025 9:23 am

Compound #18: Endrin



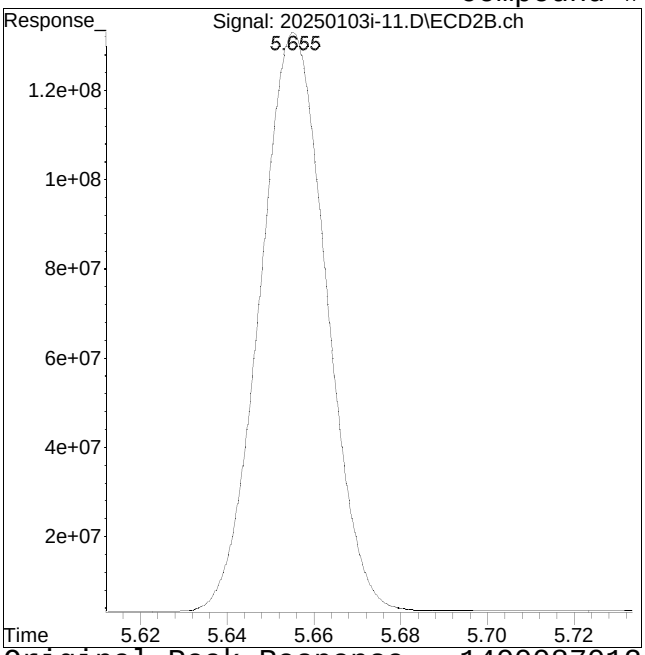


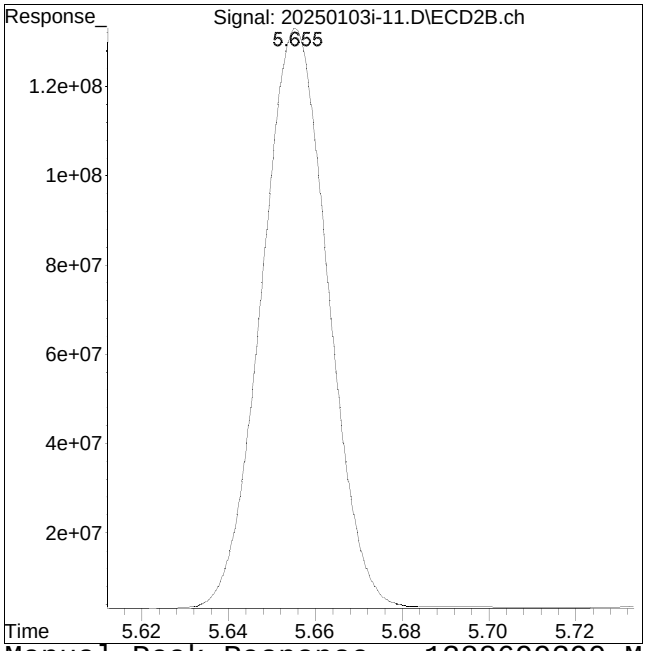
Original Peak Response = 786583806 Manual Peak Response = 783872566 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-11.D
Date Inj'd : 1/3/2025 13:43
Sample : il10pest,42e,,pp 11941 L0.
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:23 am

Compound #56: Endrin #2





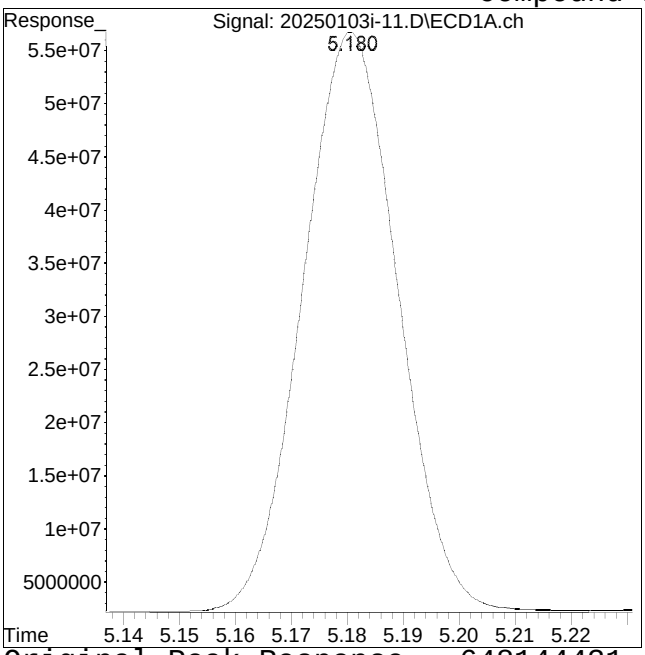
Original Peak Response = 1400087012 Manual Peak Response = 1388699390 M4
M4 = Poor automated baseline construction.

Manual Integration Report

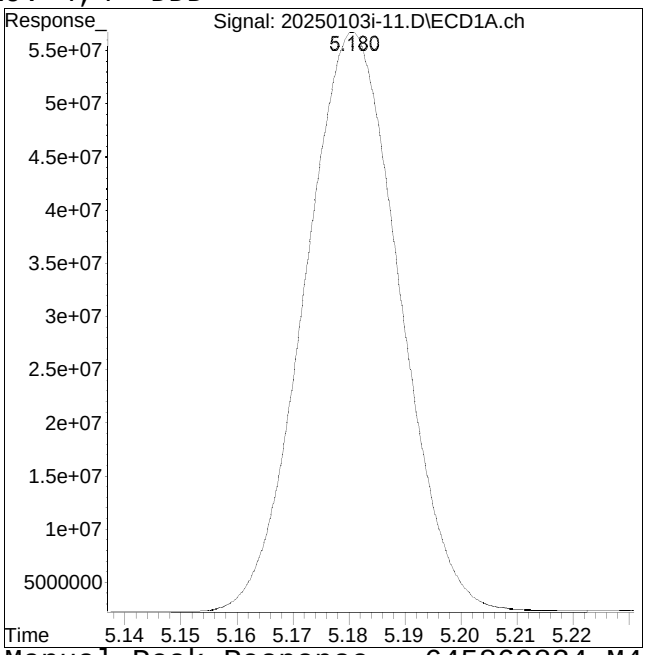
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-11.D
Date Inj'd : 1/3/2025 13:43
Sample : il10pest,42e,,pp 11941 L0.

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:23 am

Compound #19: 4,4'-DDD



Original Peak Response = 648144431



Manual Peak Response = 645869824 M4

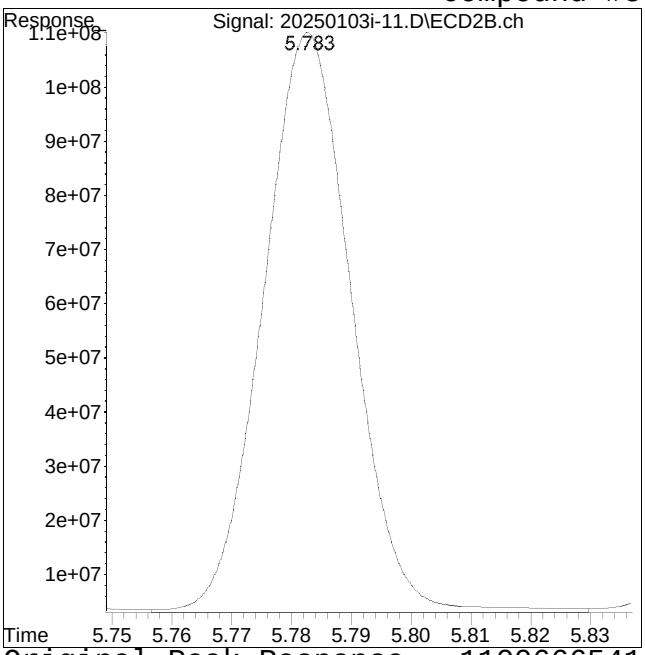
M4 = Poor automated baseline construction.

Manual Integration Report

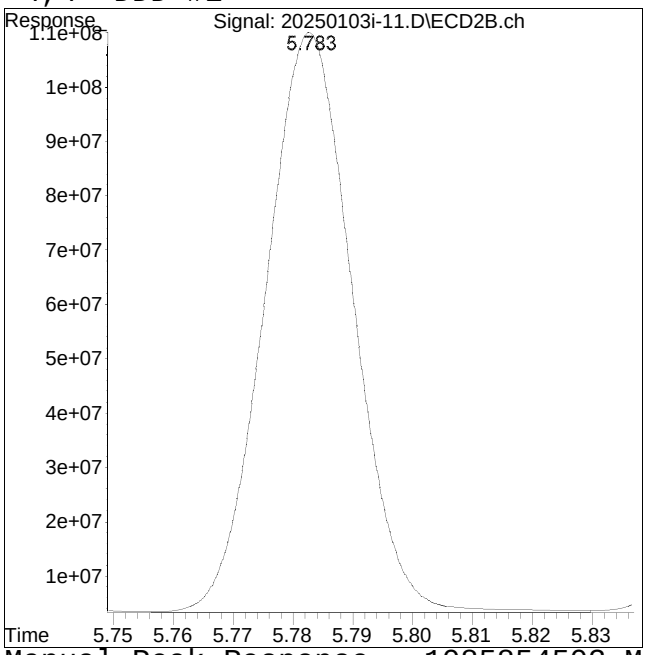
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-11.D
Date Inj'd : 1/3/2025 13:43
Sample : il10pest,42e,,pp 11941 L0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:23 am

Compound #57: 4,4'-DDD #2



Original Peak Response = 1100666541



Manual Peak Response = 1085854503 M4

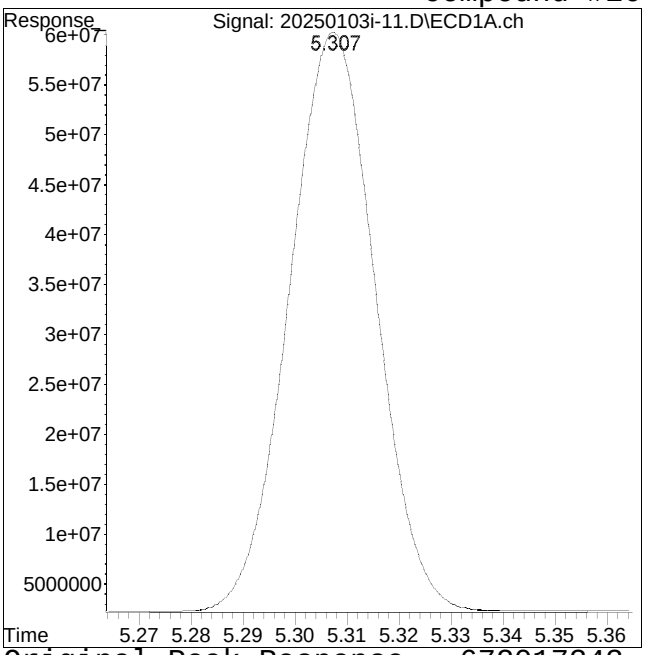
M4 = Poor automated baseline construction.

Manual Integration Report

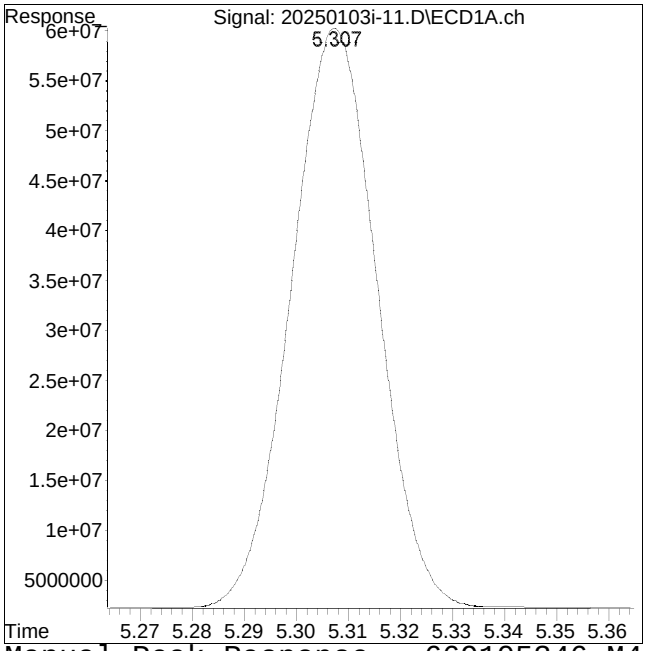
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-11.D
Date Inj'd : 1/3/2025 13:43
Sample : il10pest,42e,,pp 11941 L0.

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:23 am

Compound #20: Endosulfan II



Original Peak Response = 672017343



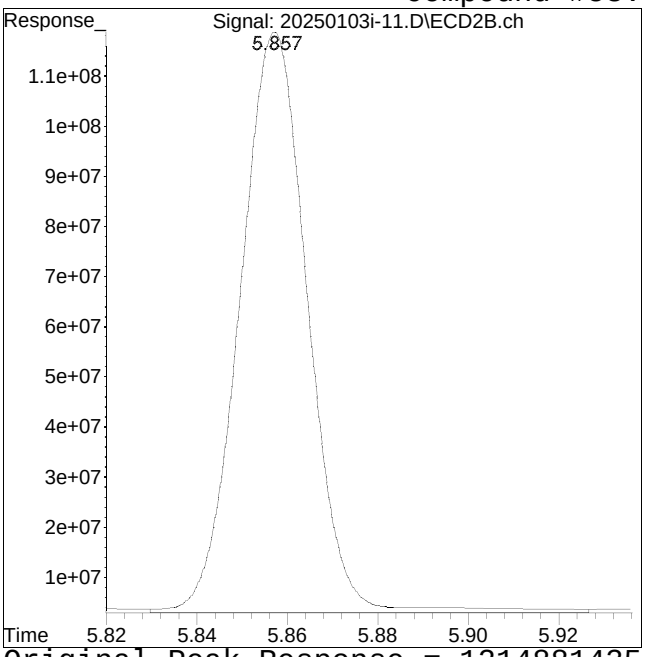
Manual Peak Response = 669105346 M4

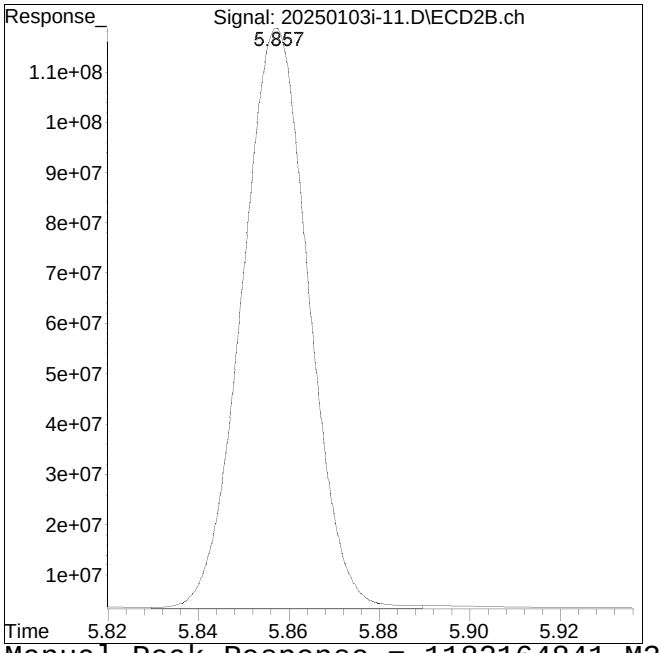
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-11.D
Date Inj'd : 1/3/2025 13:43
Sample : il10pest,42e,,pp 11941 L0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:23 am

Compound #58: Endosulfan II #2





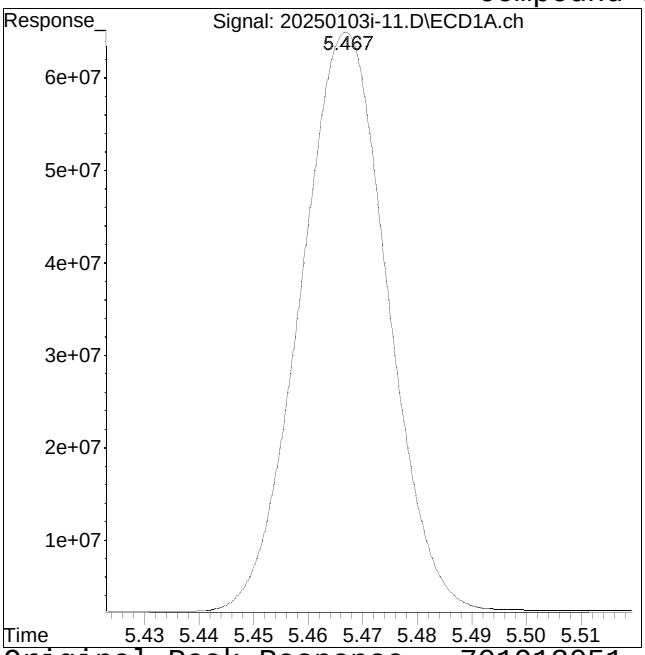
Original Peak Response = 1214881435 Manual Peak Response = 1182164841 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

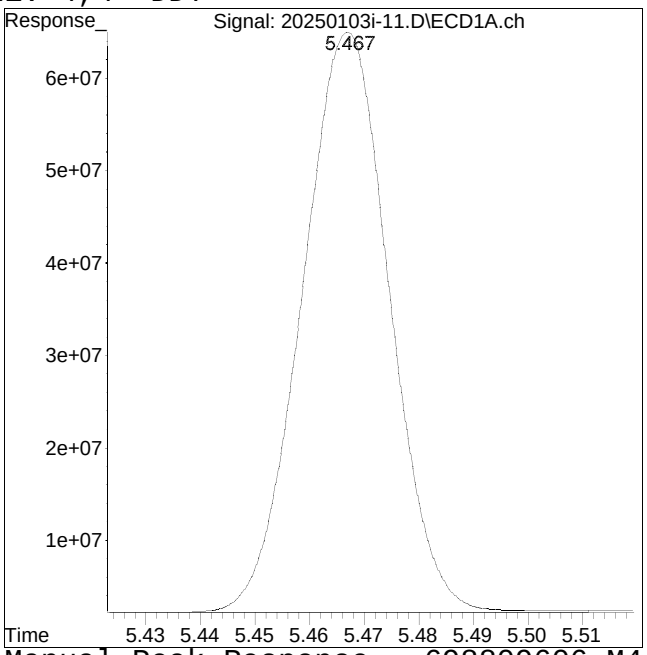
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-11.D
Date Inj'd : 1/3/2025 13:43
Sample : il10pest,42e,,pp 11941 L0.

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:23 am

Compound #21: 4,4'-DDT



Original Peak Response = 701913051



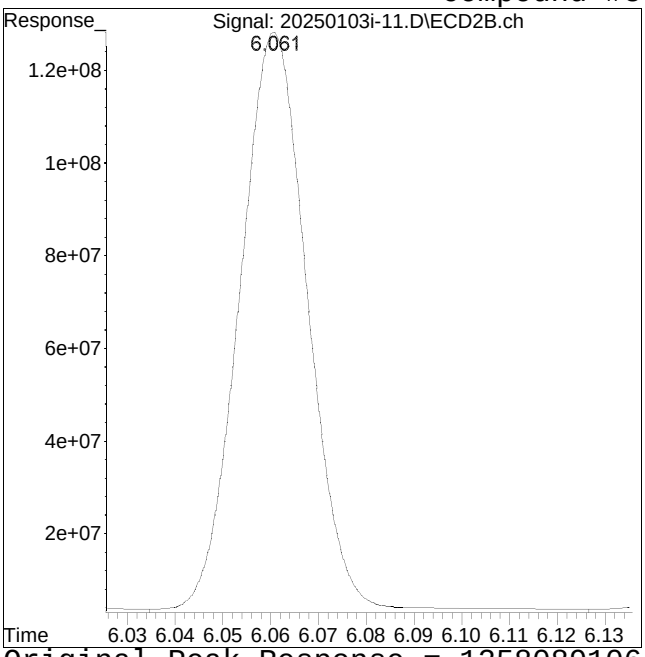
Manual Peak Response = 698809606 M4

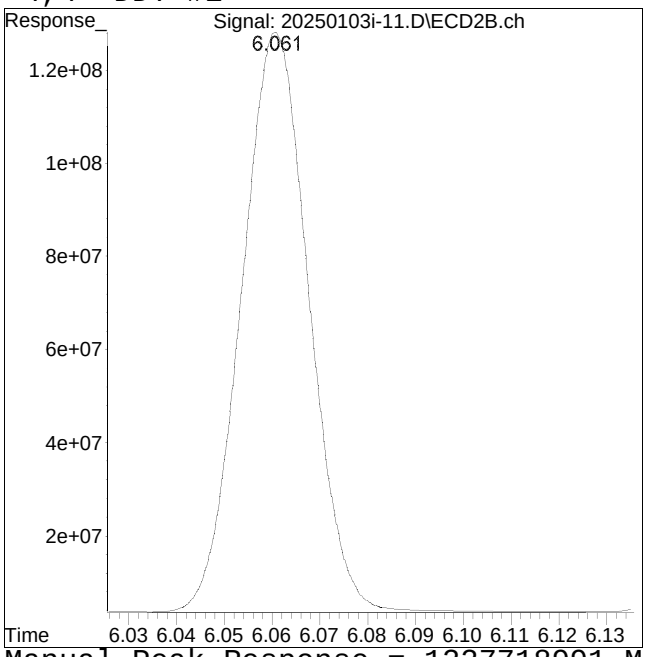
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-11.D
Date Inj'd : 1/3/2025 13:43
Sample : il10pest,42e,,pp 11941 L0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:23 am

Compound #59: 4,4'-DDT #2





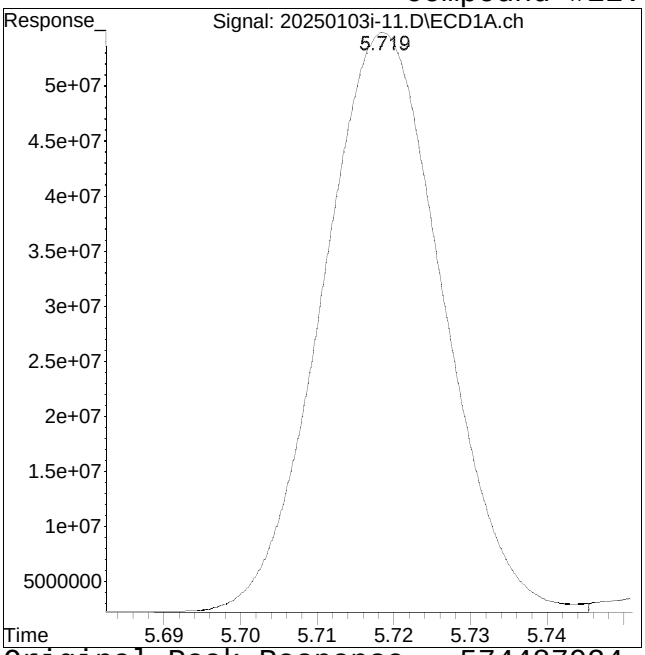
Original Peak Response = 1258089106 Manual Peak Response = 1227718991 M4
M4 = Poor automated baseline construction.

Manual Integration Report

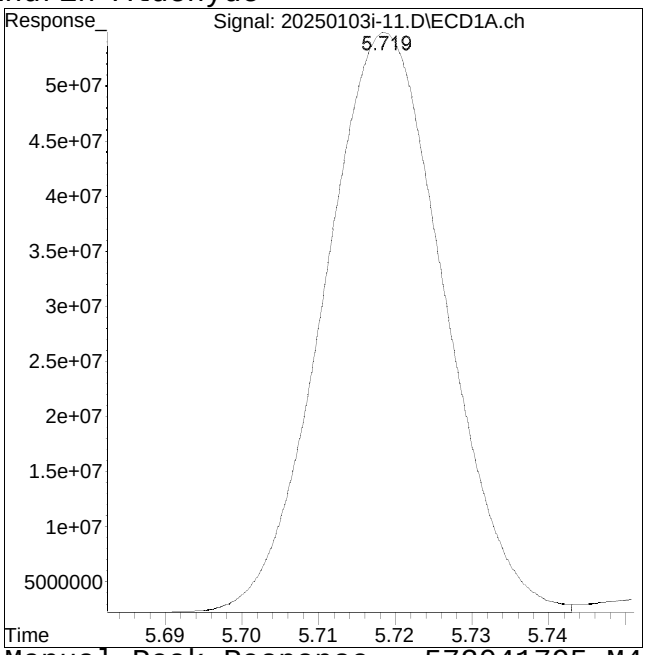
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-11.D
Date Inj'd : 1/3/2025 13:43
Sample : il10pest,42e,,pp 11941 L0.

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:23 am

Compound #22: Endrin Aldehyde



Original Peak Response = 574487924



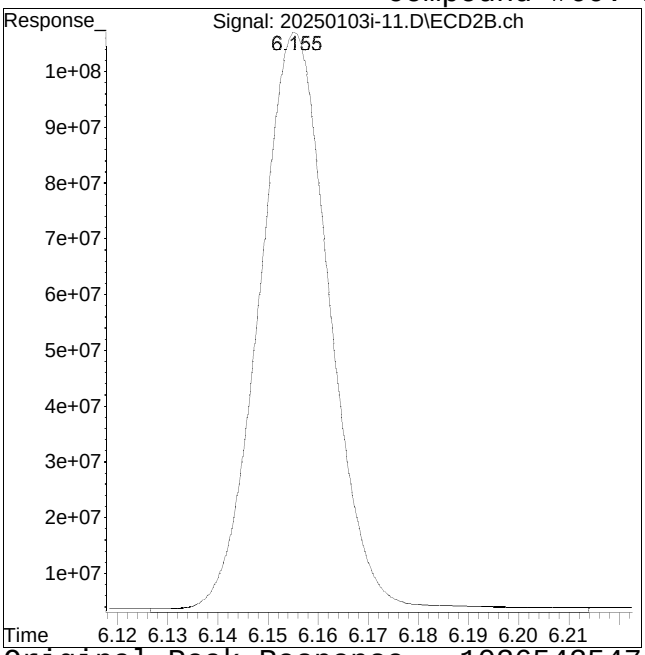
Manual Peak Response = 572041795 M4

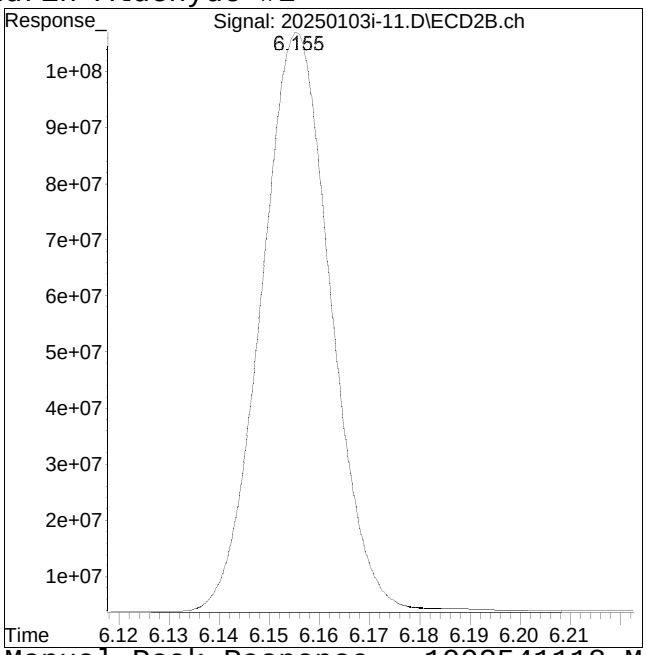
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-11.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:43 Instrument : PEST 20
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/6/2025 9:23 am

Compound #60: Endrin Aldehyde #2



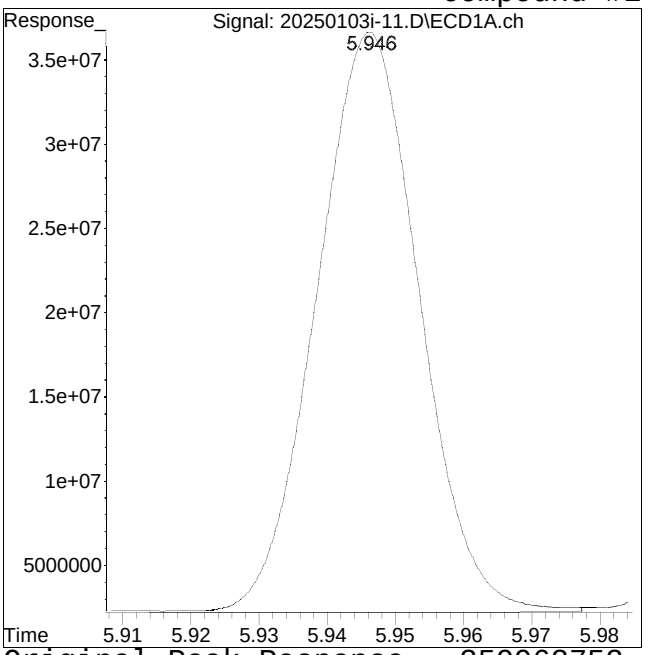


Original Peak Response = 1036543547 Manual Peak Response = 1003541118 M4
M4 = Poor automated baseline construction.

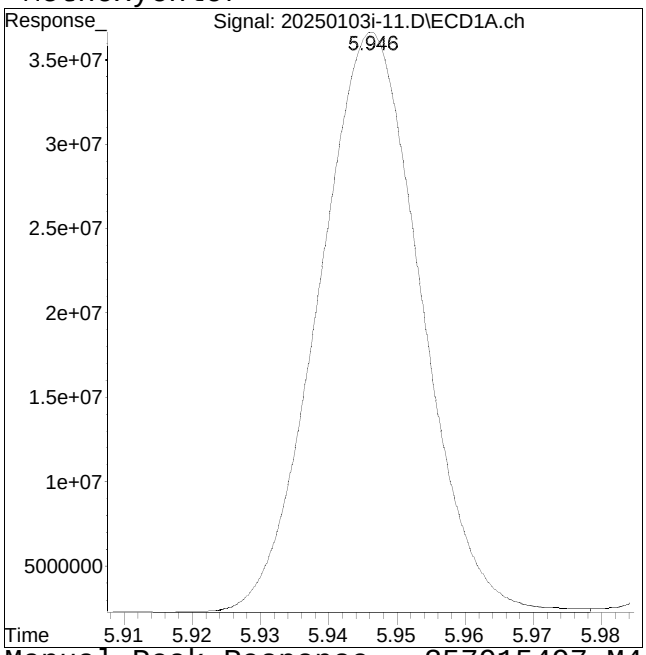
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-11.D
Date Inj'd : 1/3/2025 13:43
Sample : il10pest,42e,,pp 11941 L0.
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:23 am

Compound #23: Methoxychlor



Original Peak Response = 359962752



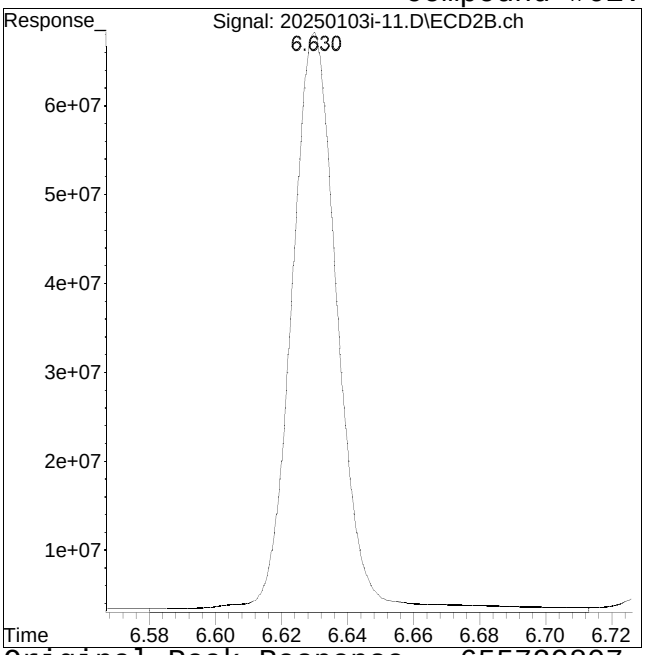
Manual Peak Response = 357915497 M4

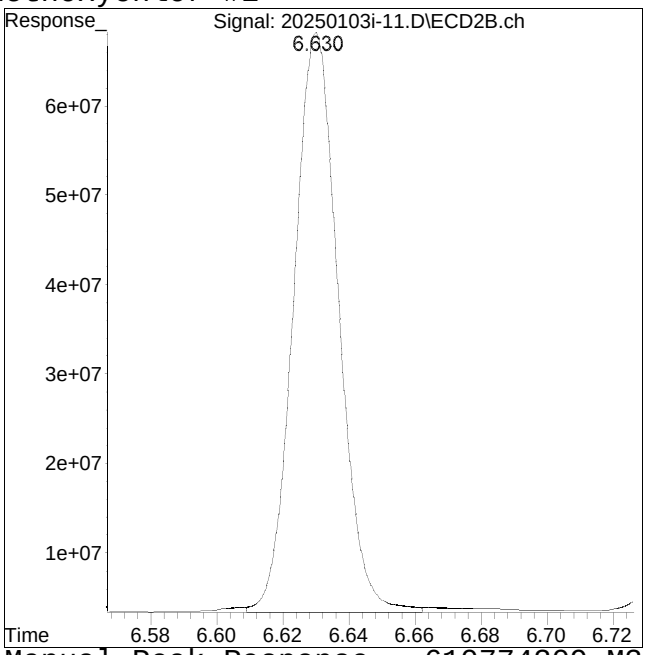
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-11.D
Date Inj'd : 1/3/2025 13:43
Sample : il10pest,42e,,pp 11941 L0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:23 am

Compound #61: Methoxychlor #2



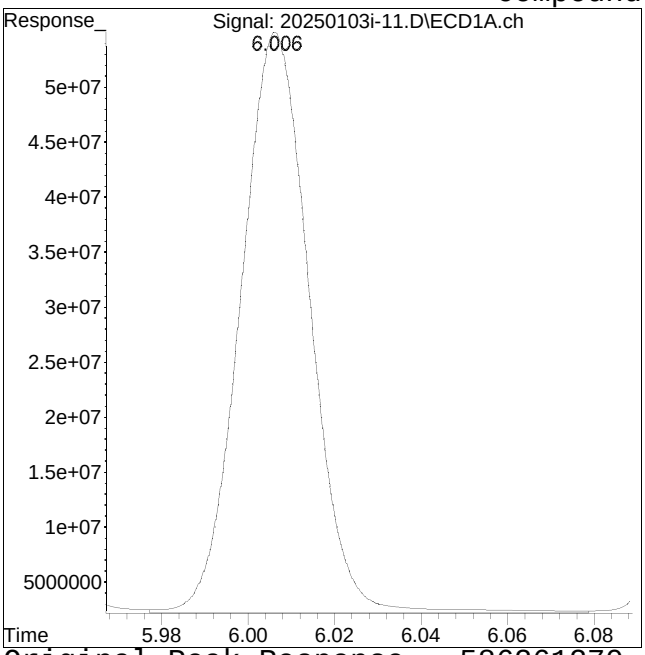


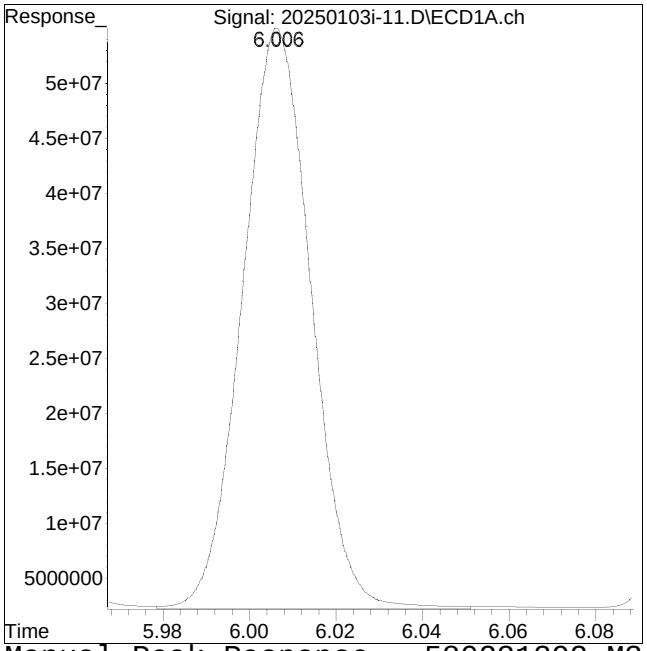
Original Peak Response = 655729807 Manual Peak Response = 610774309 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-11.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:43 Instrument : PEST 20
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/6/2025 9:23 am

Compound #24: Mirex





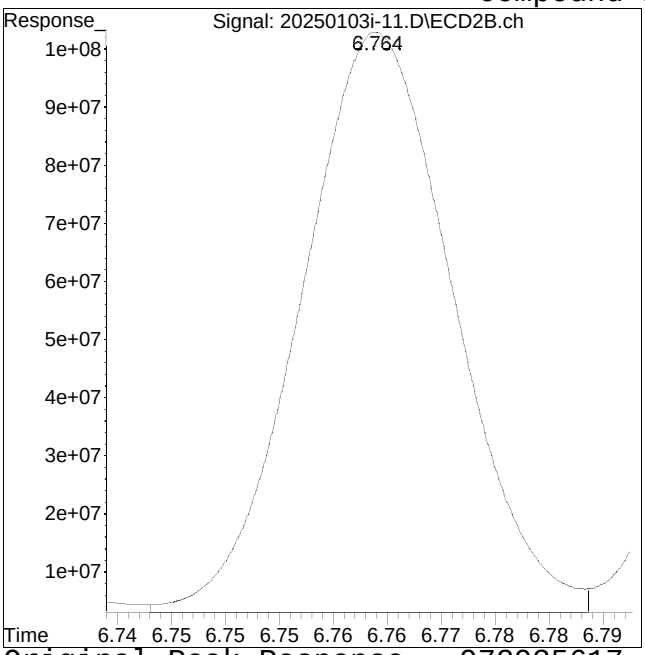
Original Peak Response = 586261270 Manual Peak Response = 580231392 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

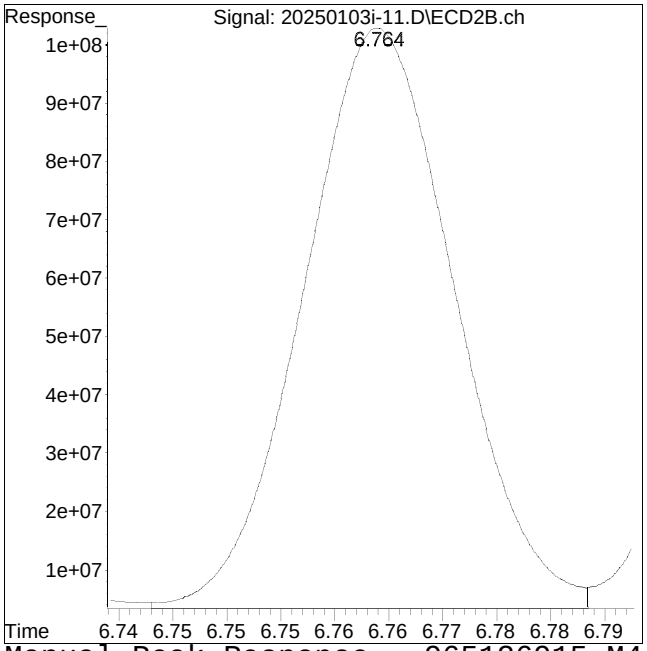
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-11.D
Date Inj'd : 1/3/2025 13:43
Sample : il10pest,42e,,pp 11941 L0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:23 am

Compound #62: Mirex #2



Original Peak Response = 972935617



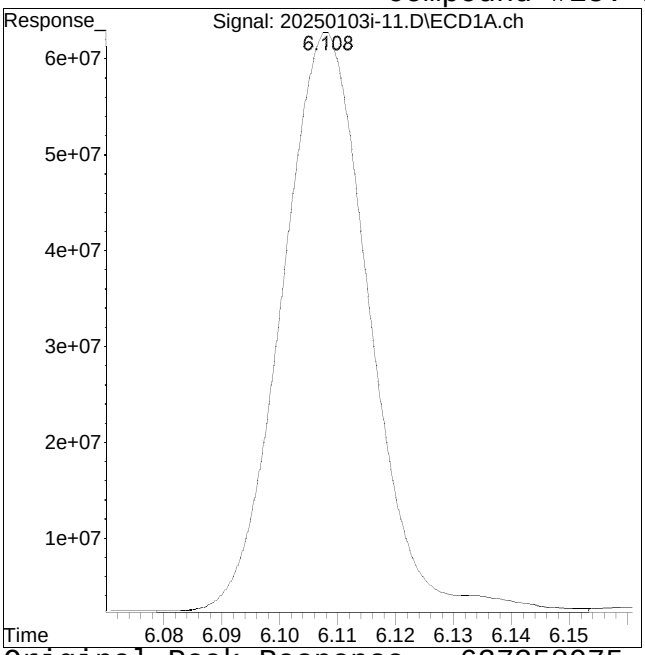
Manual Peak Response = 965126915 M4

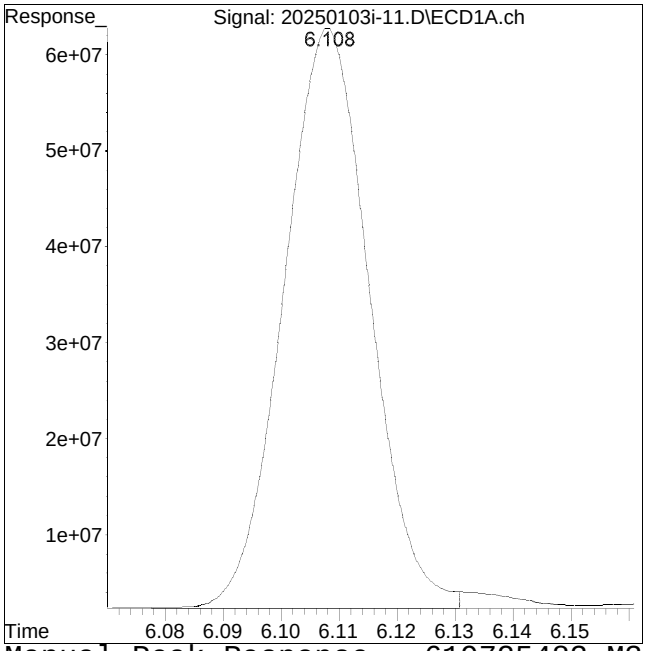
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-11.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:43 Instrument : PEST 20
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/6/2025 9:23 am

Compound #25: Endosulfan Sulfate



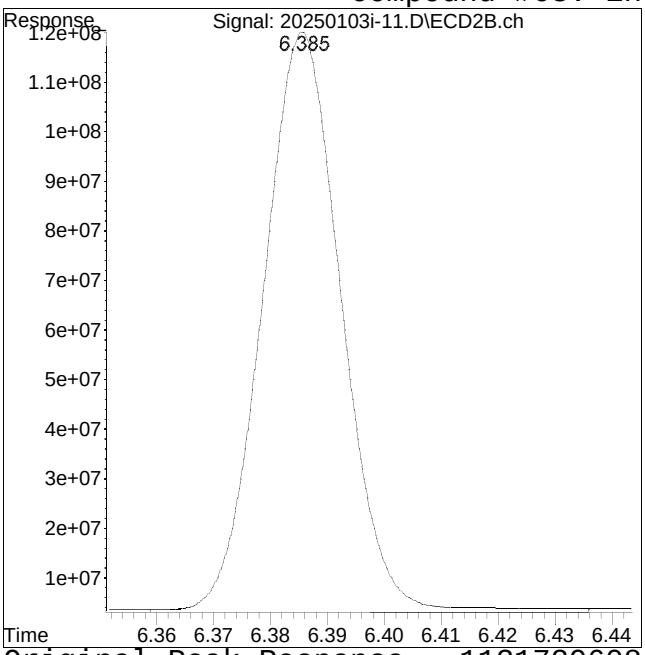


Original Peak Response = 637358975 Manual Peak Response = 619725483 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

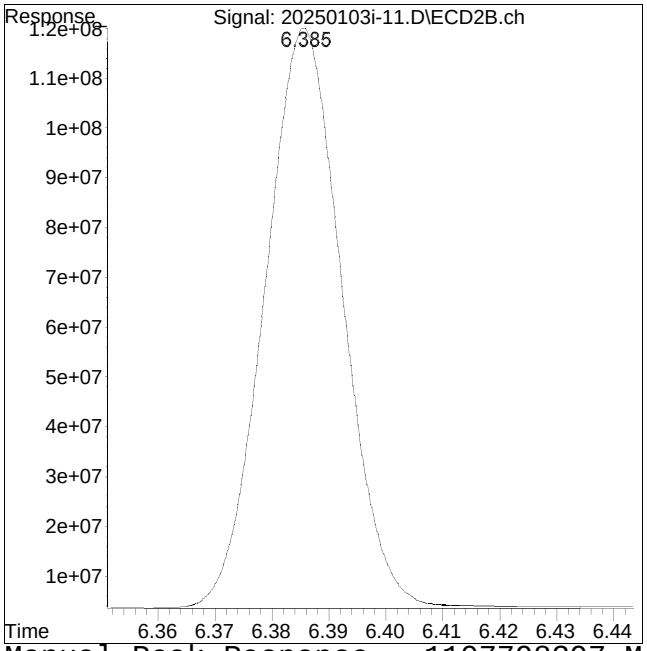
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-11.D
Date Inj'd : 1/3/2025 13:43
Sample : il10pest,42e,,pp 11941 L0.
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:23 am

Compound #63: Endosulfan Sulfate #2



Original Peak Response = 1131729608



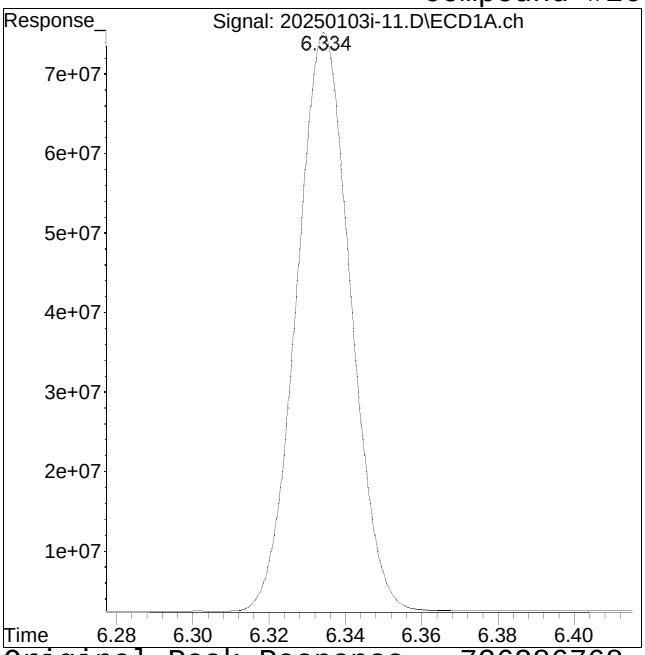
Manual Peak Response = 1107798397 M4

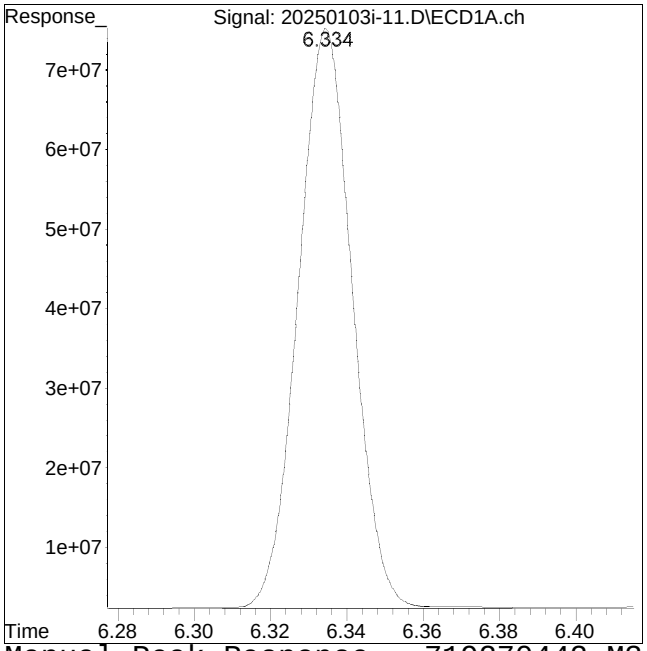
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-11.D
Date Inj'd : 1/3/2025 13:43
Sample : il10pest,42e,,pp 11941 L0.
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:23 am

Compound #26: Endrin Ketone



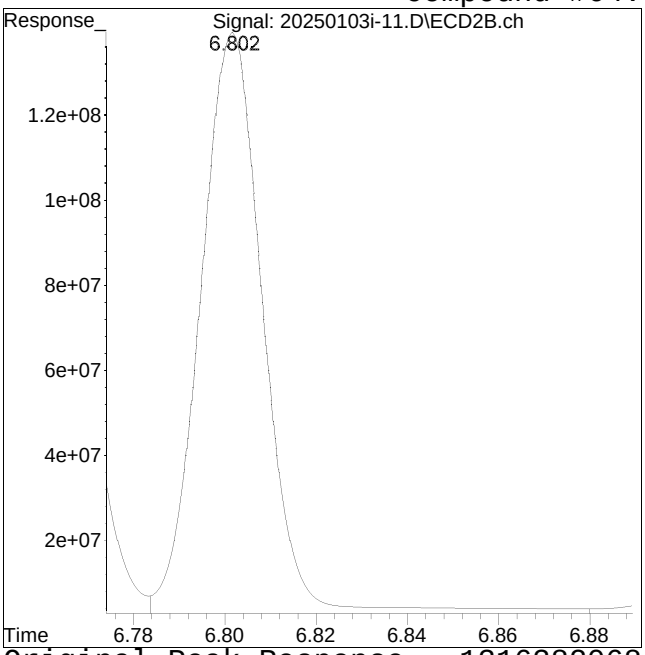


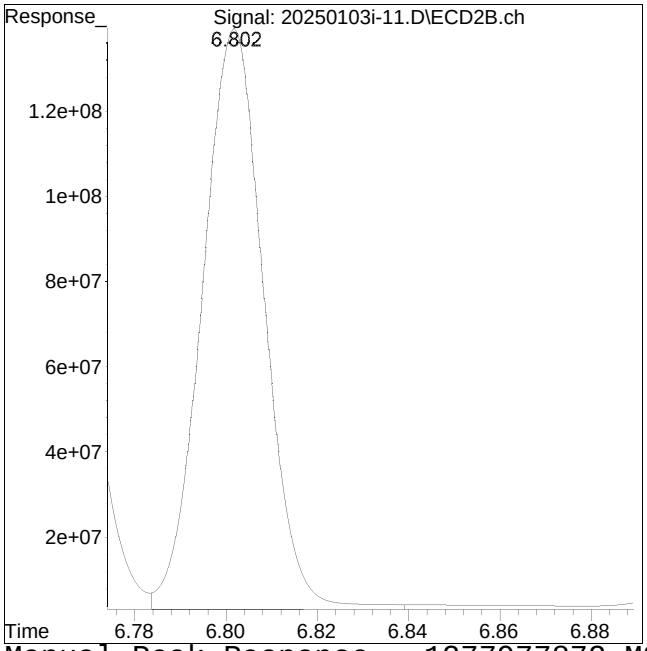
Original Peak Response = 726286768 Manual Peak Response = 719270442 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-11.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:43 Instrument : PEST 20
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/6/2025 9:23 am

Compound #64: Endrin Ketone #2



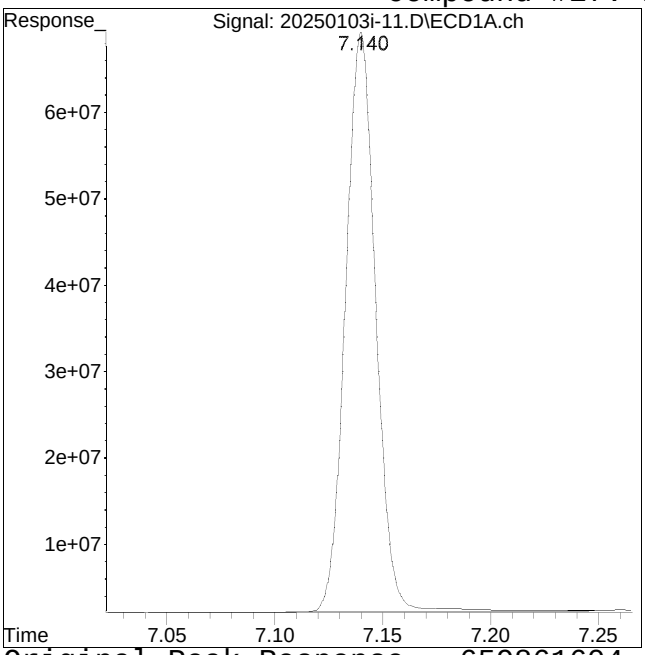


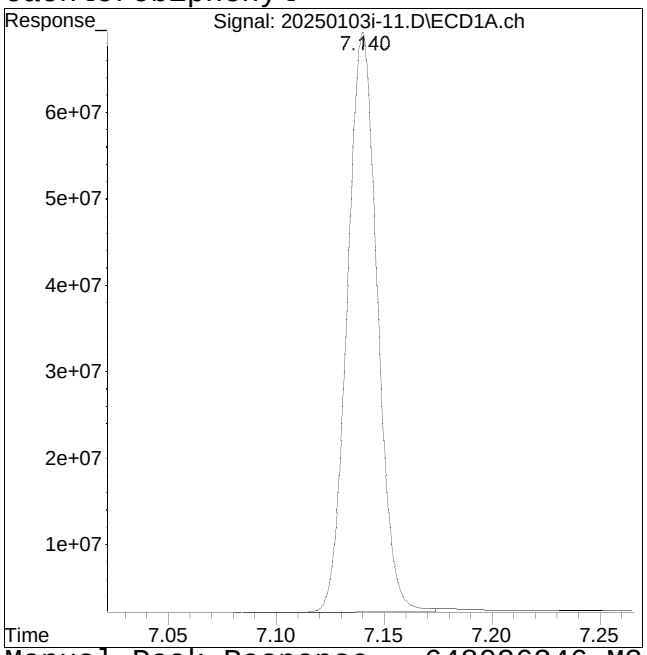
Original Peak Response = 1316382068 Manual Peak Response = 1277977872 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-11.D
Date Inj'd : 1/3/2025 13:43
Sample : il10pest,42e,,pp 11941 L0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:23 am

Compound #27: Decachlorobiphenyl



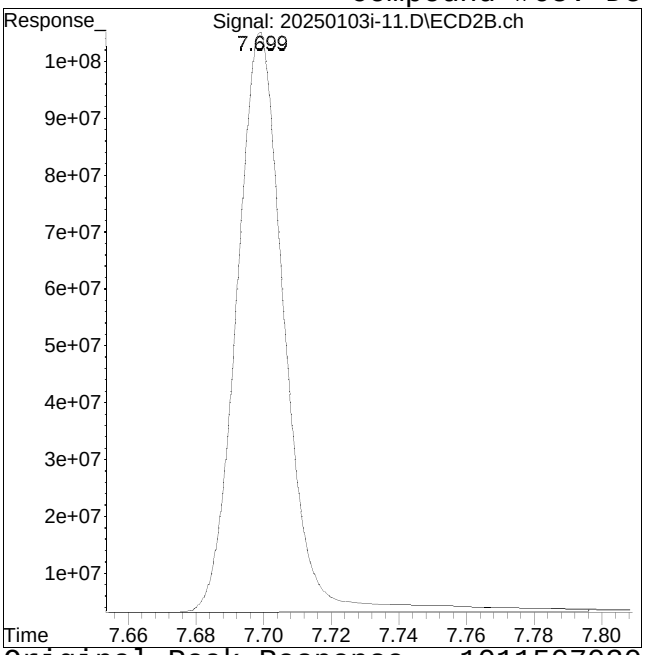


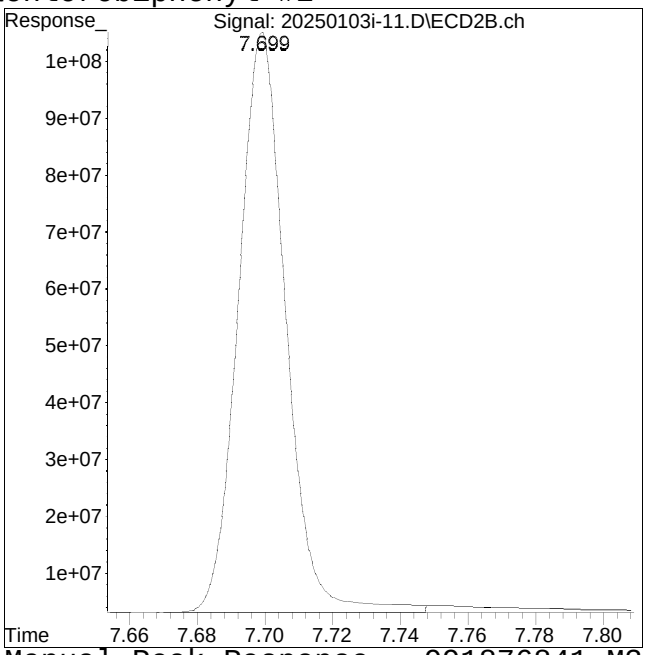
Original Peak Response = 659861604 Manual Peak Response = 648026346 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-11.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:43 Instrument : PEST 20
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/6/2025 9:23 am

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 1011507030 Manual Peak Response = 991876841 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-12.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 13:56
Operator : pest20:ejl
Sample : il11pest,42e,,pp 11941 L0.4
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 09:40:33 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 09:31:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.803	1.854	84760213	154.4E6	25.000M3	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.261	2.436	1408.5E6	2449.3E6	383.571M3	380.604M3
	Spiked Amount 50.000	Range 30 - 150		Recovery =		767.14%#	761.21%#
27) s	Decachlorobi	7.138	7.698	1258.3E6	1905.7E6	367.712M3	365.265M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		735.42%#	730.53%#
	Target Compounds						
3)	Hexachlorobe	2.519	2.796	1461.0E6	2537.3E6	385.641M3	385.299
4)	alpha-BHC	2.638	2.904	1966.3E6	3602.3E6	402.670M3	405.860M3
5)	gamma-BHC (l	2.872	3.213	1772.1E6	3244.3E6	399.994M3	402.307M4
6)	beta-BHC	2.940	3.289	779.2E6	1420.8E6	392.934M4	394.740M4
7)	delta-BHC	3.083	3.571	1864.7E6	3412.6E6	411.835M4	416.315M4
8)	Heptachlor	3.263	3.631	1626.2E6	2864.1E6	383.599M4	379.799M4
9)	Aldrin	3.530	3.964	1625.2E6	2828.9E6	390.494M4	387.924M4
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	4.123	4.605	1491.9E6	2686.6E6	384.746M4	385.882

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-12.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 13:56
Operator : pest20:ejl
Sample : il11pest,42e,,pp 11941 L0.4
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 09:40:33 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 09:31:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
13)		gamma-Chlord	4.255	4.834	1415.7E6	2500.1E6	398.209M4	397.842M4
14)		alpha-Chlord	4.398	5.004	1585.2E6	2744.9E6	393.192M3	393.417M4
15)		4,4'-DDE	4.506	5.205	1641.7E6	2677.8E6	397.172M4	388.818M4
16)		Endosulfan I	4.543	5.063	1444.9E6	2546.6E6	388.109M4	386.180M4
17)		Dieldrin	4.819	5.356	1558.1E6	2728.8E6	393.233M4	392.307M4
18)		Endrin	5.072	5.655	1574.7E6	2766.5E6	388.785M4	388.210M4
19)		4,4'-DDD	5.180	5.782	1305.0E6	2196.4E6	396.159M4	399.921M4
20)		Endosulfan I	5.307	5.856	1338.4E6	2356.7E6	386.100M4	386.968M3
21)		4,4'-DDT	5.465	6.060	1382.7E6	2446.1E6	387.056M4	390.071M4
22)		Endrin Aldeh	5.718	6.156	1114.3E6	1953.9E6	375.941M3	379.366M3
23)		Methoxychlor	5.945	6.630	685.6E6	1171.2E6	358.872M4	363.102M3
24)		Mirex	6.006	6.764	1141.7E6	1917.1E6	373.234M3	379.750M4
25)		Endosulfan S	6.107	6.386	1226.8E6	2206.4E6	380.094M3	387.951M4
26)		Endrin Keton	6.334	6.801	1409.6E6	2489.5E6	375.197M3	374.776M3
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32)	l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum	chlordane-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-12.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 13:56
Operator : pest20:ejl
Sample : il11pest,42e,,pp 11941 L0.4
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 09:40:33 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 09:31:21 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	chlordane-1					0.000	0.000
34)	l2 toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35)	l2 toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36)	l2 toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37)	l2 toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

	Sum toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

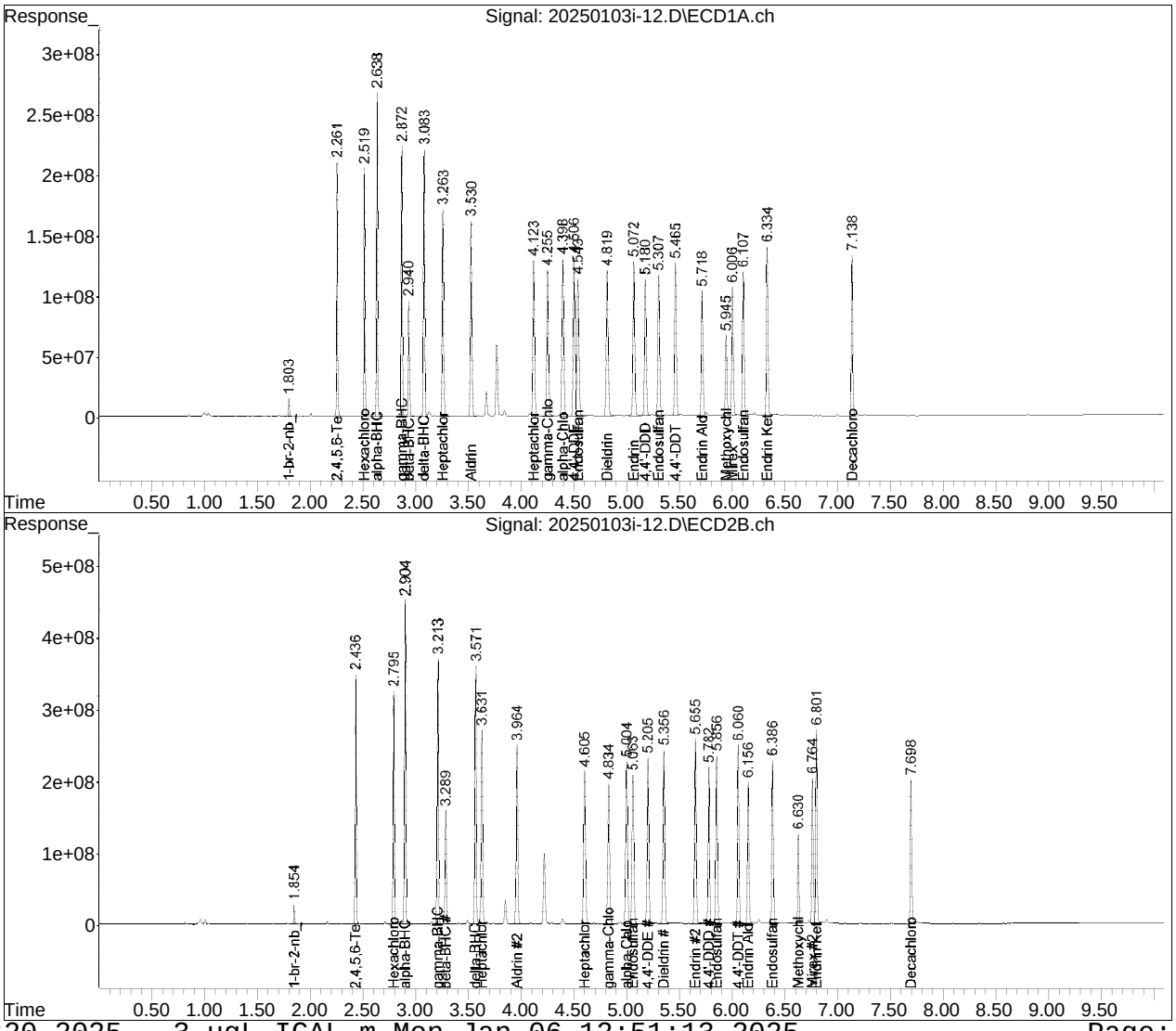
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-12.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 13:56
Operator : pest20:ejl
Sample : il11pest,42e,,pp 11941 L0.4
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 09:40:33 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 09:31:21 2025
Response via : Initial Calibration
Integrator: ChemStation

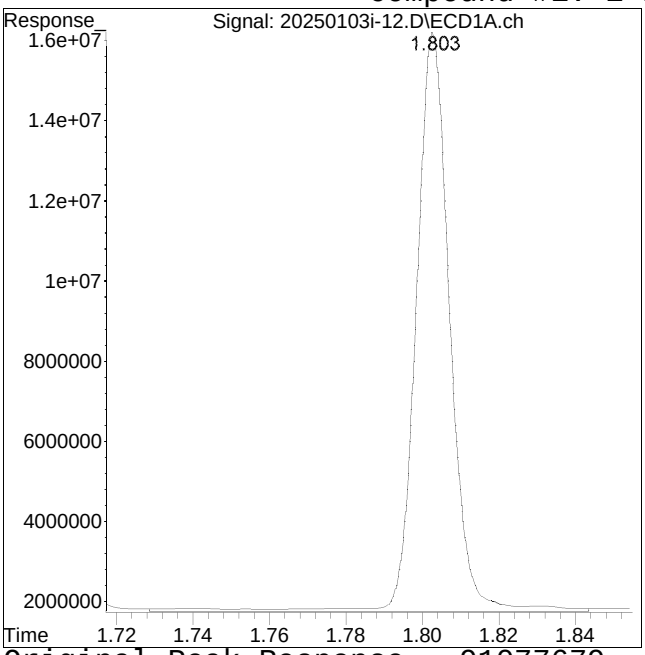
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

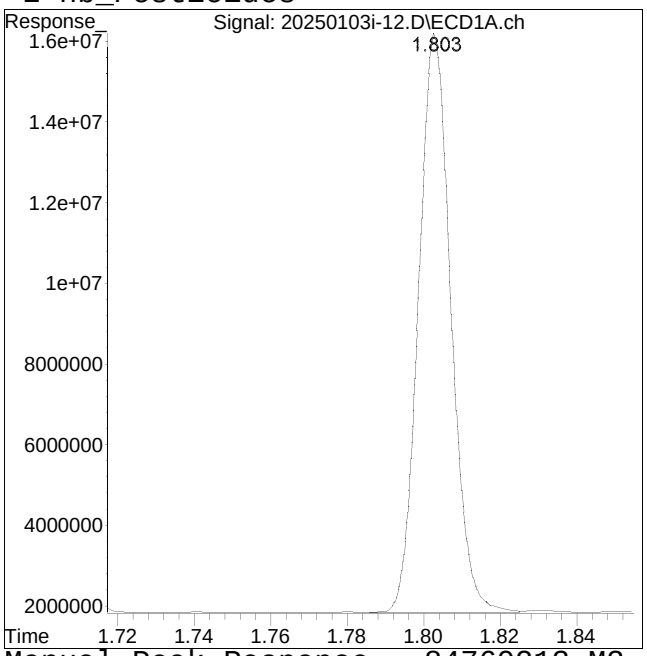


Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-12.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:56 Instrument : PEST 20
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/6/2025 9:40 am

Compound #1: 1-br-2-nb_Pesticides



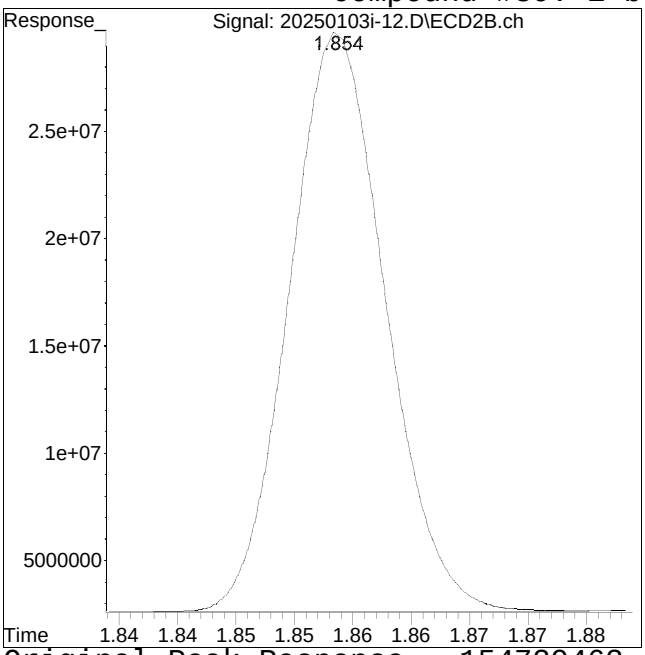


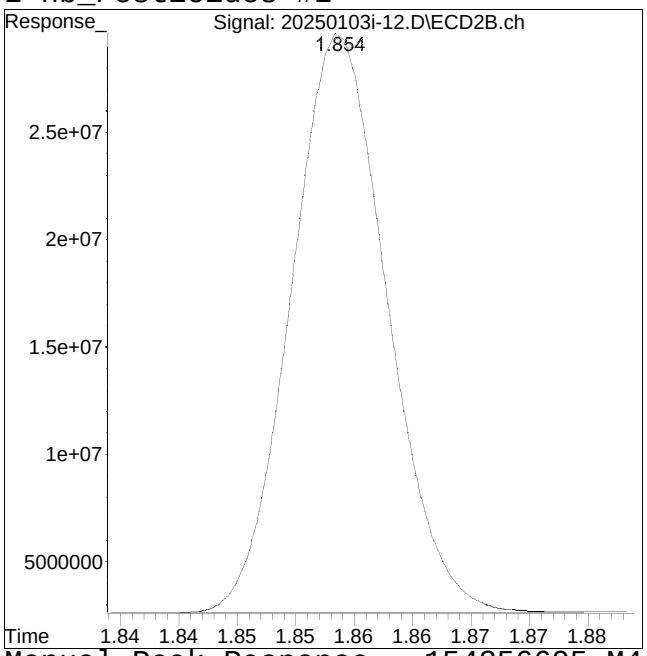
Original Peak Response = 91077679 Manual Peak Response = 84760213 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-12.D
Date Inj'd : 1/3/2025 13:56
Sample : il11pest,42e,,pp 11941 L0.
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:40 am

Compound #39: 1-br-2-nb_Pesticides #2



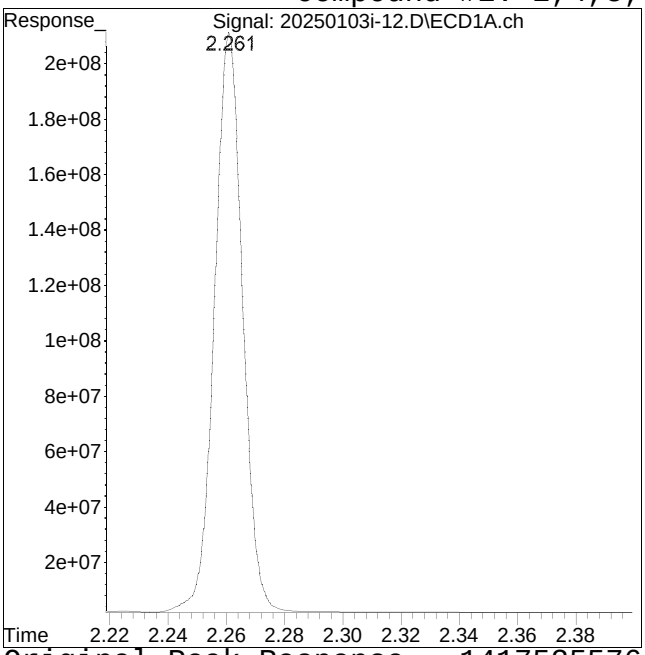


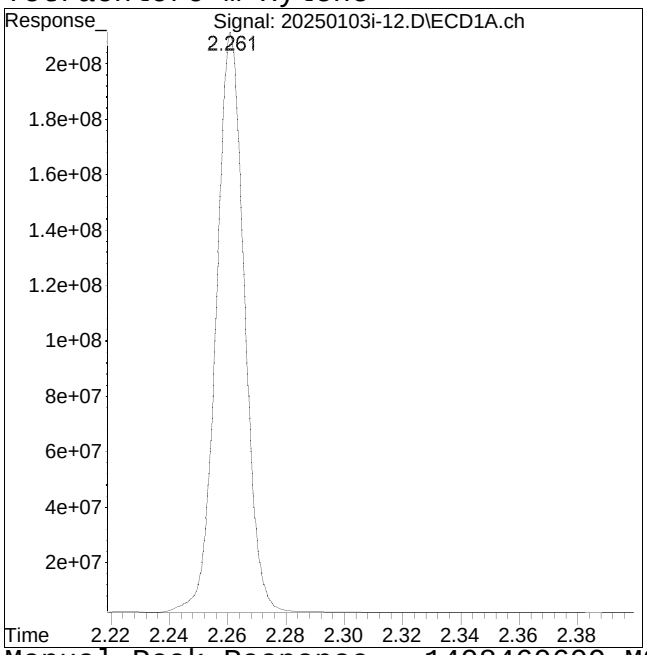
Original Peak Response = 154729463 Manual Peak Response = 154356695 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-12.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:56 Instrument : PEST 20
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/6/2025 9:40 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



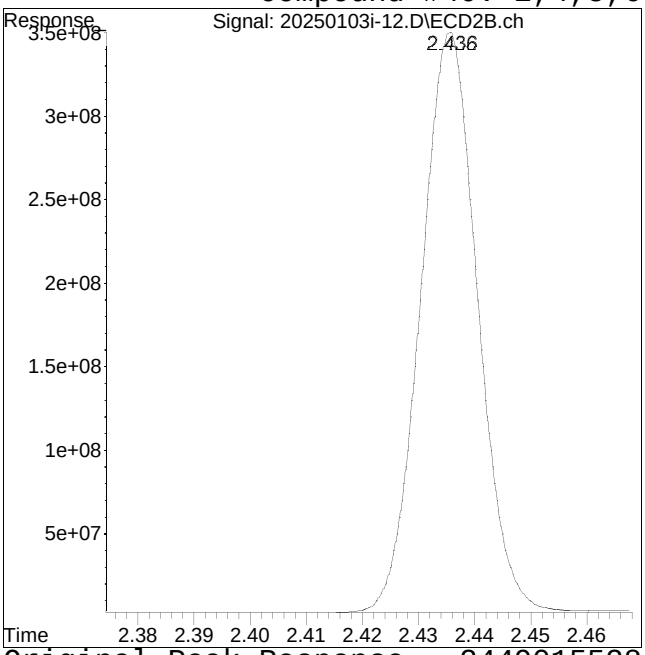


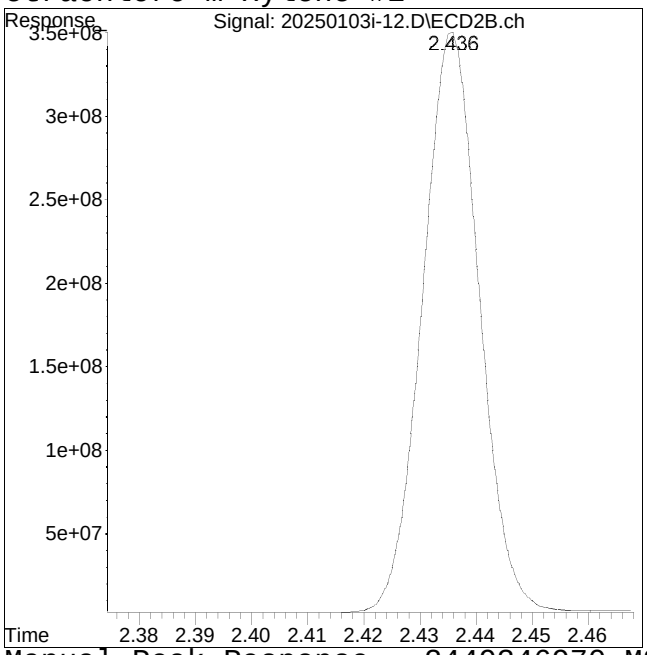
Original Peak Response = 1417525576 Manual Peak Response = 1408460609 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-12.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:56 Instrument : PEST 20
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/6/2025 9:40 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



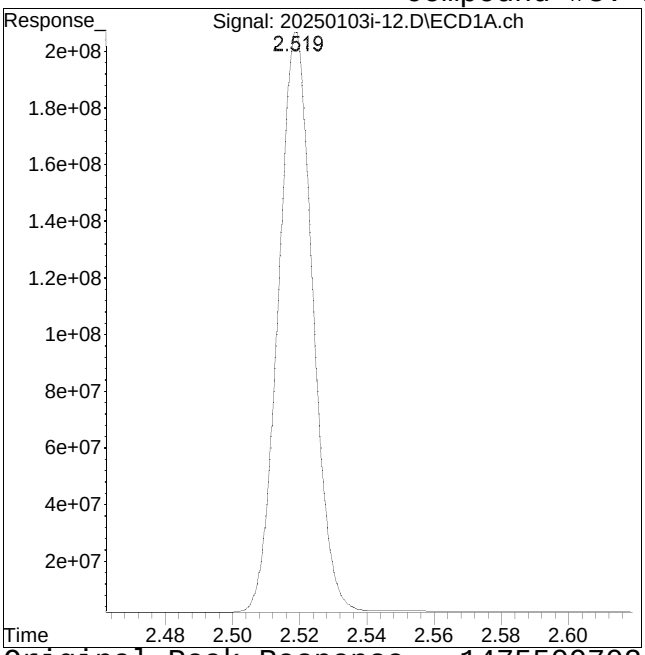


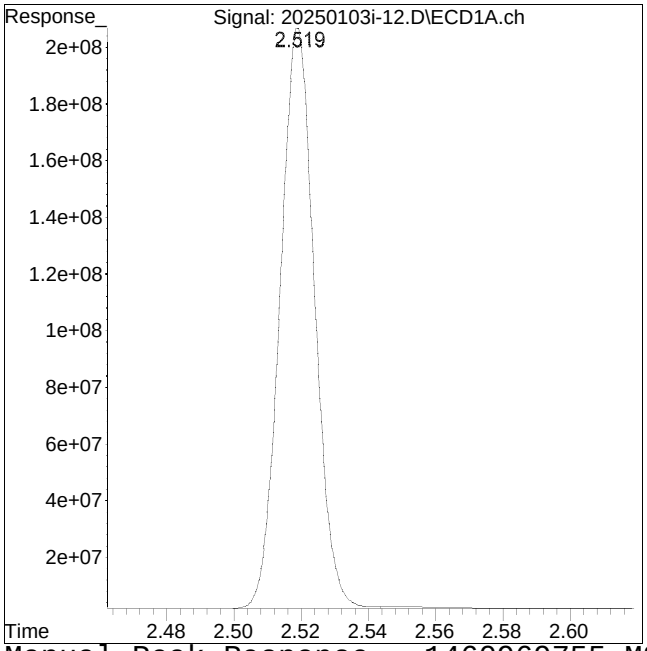
Original Peak Response = 2449015528 Manual Peak Response = 2449346970 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-12.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:56 Instrument : PEST 20
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/6/2025 9:40 am

Compound #3: Hexachlorobenzene



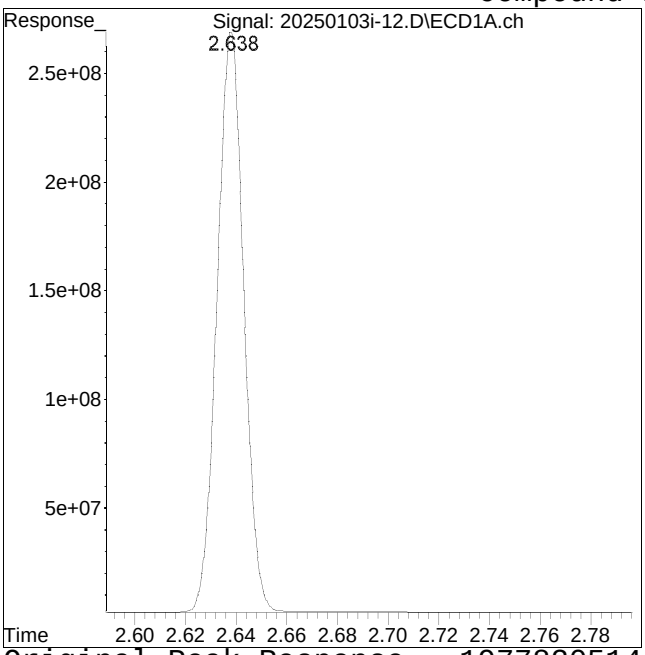


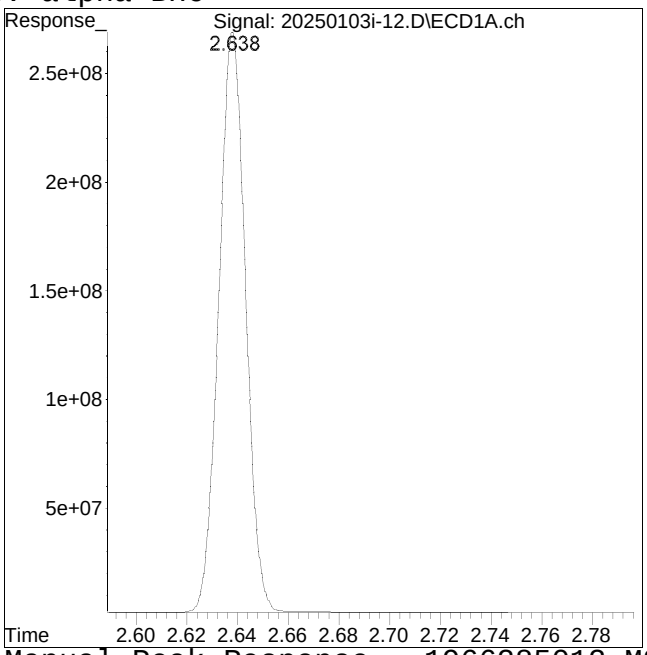
Original Peak Response = 1475509702 Manual Peak Response = 1460969755 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-12.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:56 Instrument : PEST 20
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/6/2025 9:40 am

Compound #4: alpha-BHC



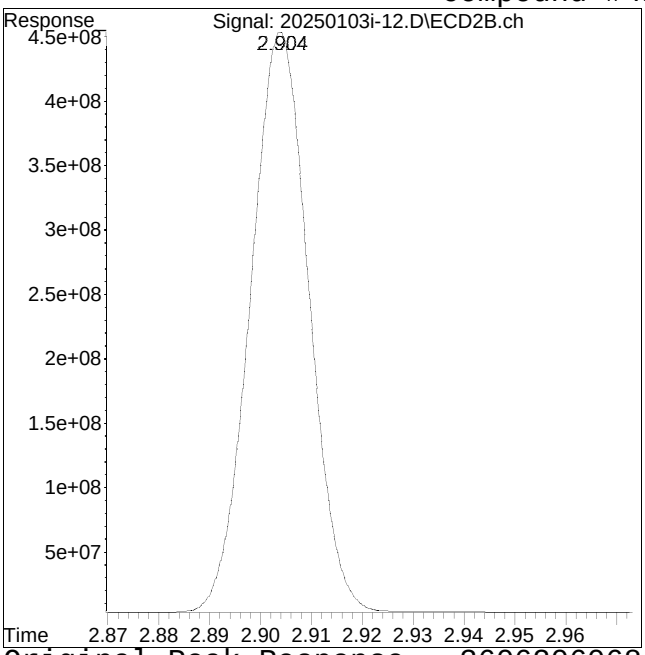


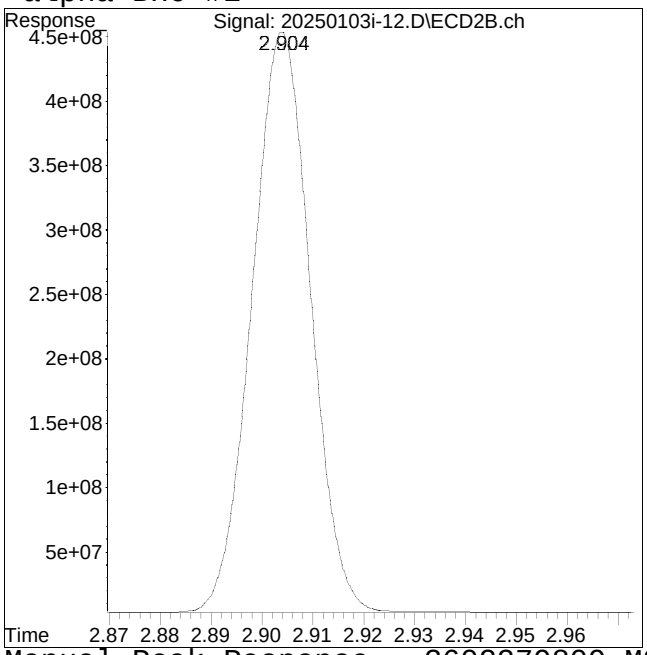
Original Peak Response = 1977820514 Manual Peak Response = 1966285012 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-12.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:56 Instrument : PEST 20
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/6/2025 9:40 am

Compound #42: alpha-BHC #2



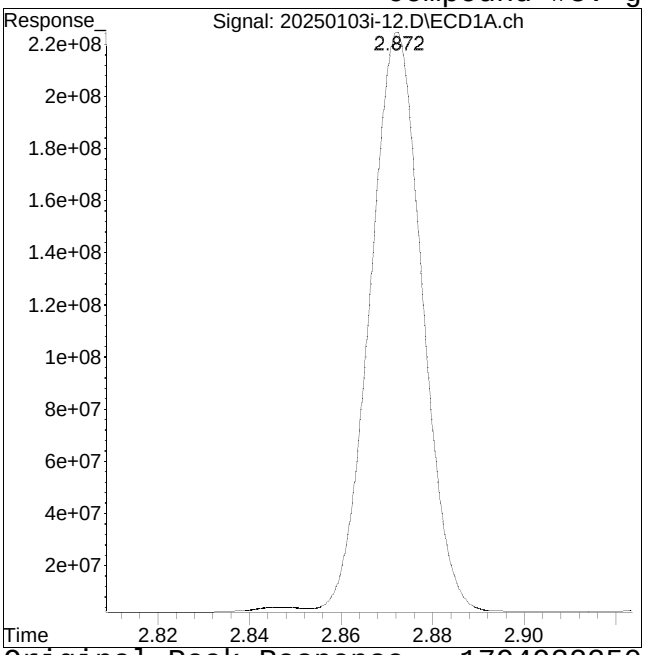


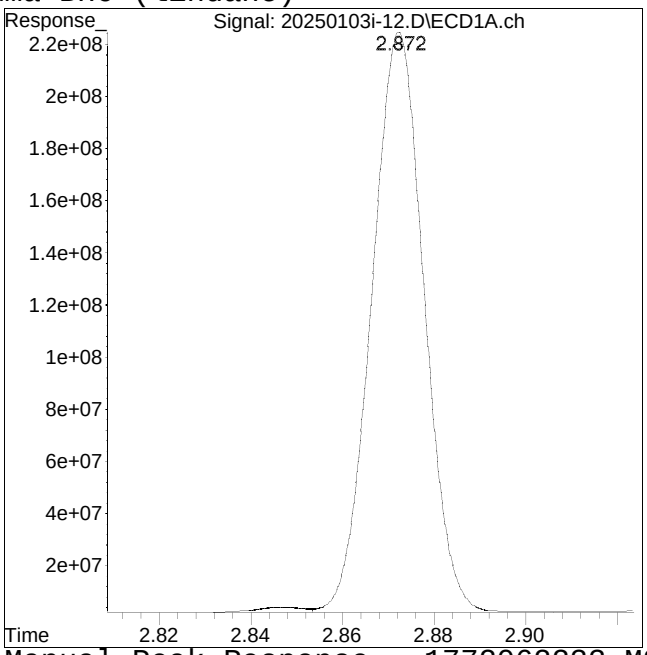
Original Peak Response = 3606206068 Manual Peak Response = 3602279809 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-12.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:56 Instrument : PEST 20
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/6/2025 9:40 am

Compound #5: gamma-BHC (lindane)



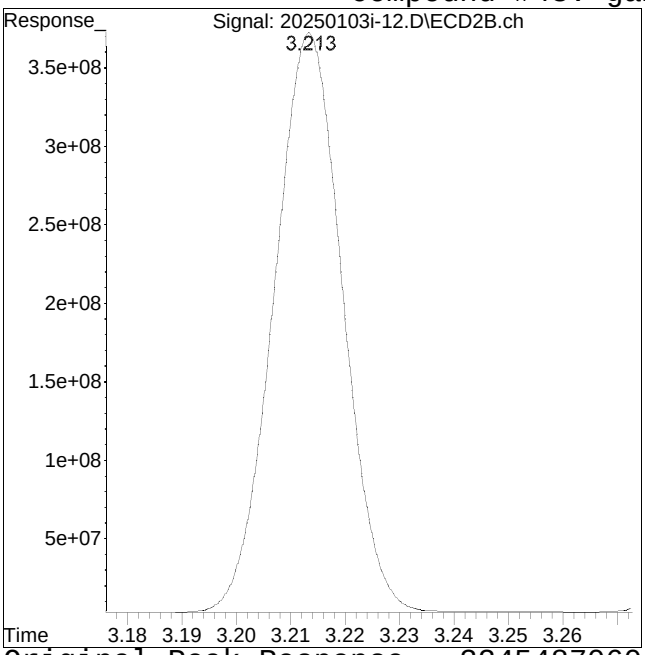


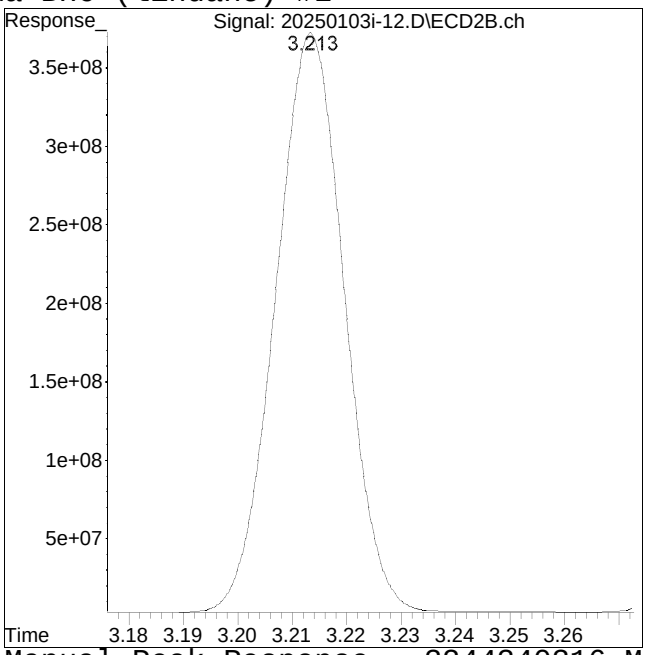
Original Peak Response = 1794932250 Manual Peak Response = 1772062233 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-12.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:56 Instrument : PEST 20
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/6/2025 9:40 am

Compound #43: gamma-BHC (lindane) #2



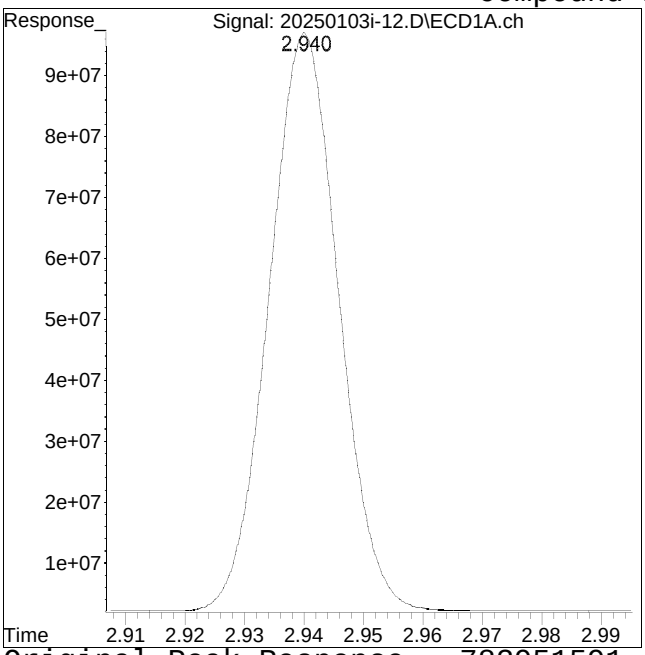


Original Peak Response = 3245487060 Manual Peak Response = 3244340316 M4
M4 = Poor automated baseline construction.

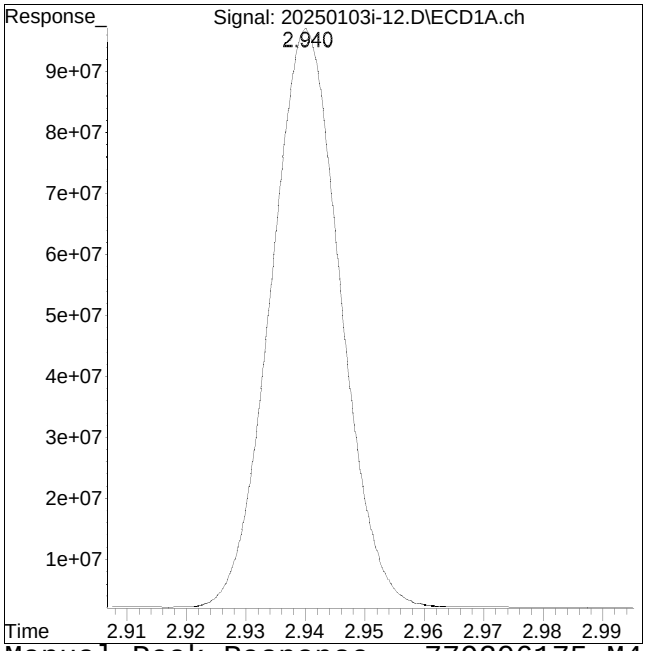
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-12.D
Date Inj'd : 1/3/2025 13:56
Sample : il11pest,42e,,pp 11941 L0.
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:40 am

Compound #6: beta-BHC



Original Peak Response = 783951591



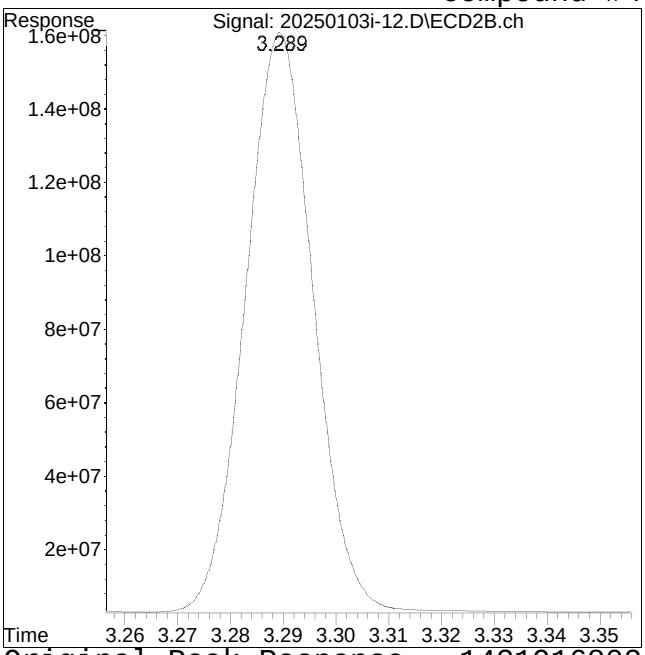
Manual Peak Response = 779206175 M4

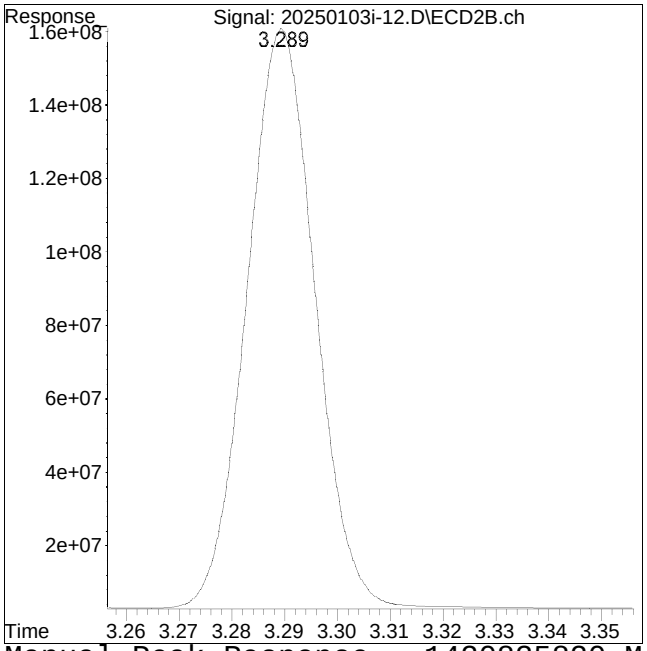
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-12.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:56 Instrument : PEST 20
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/6/2025 9:40 am

Compound #44: beta-BHC #2



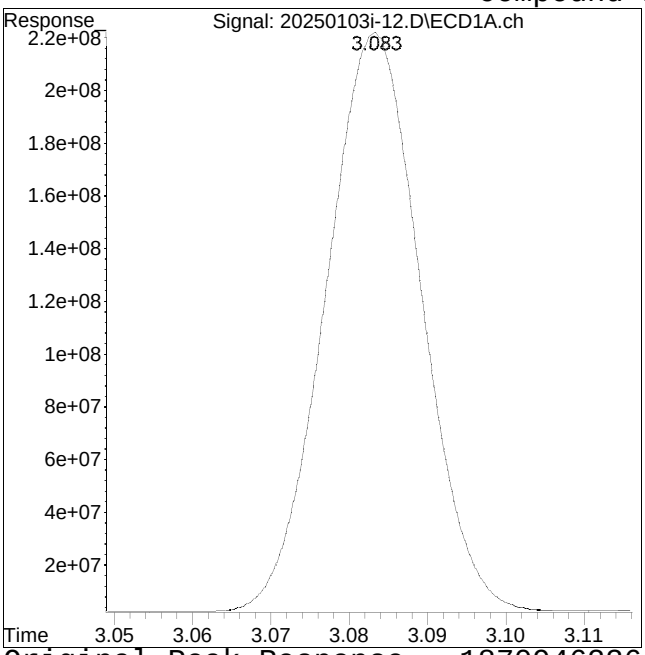


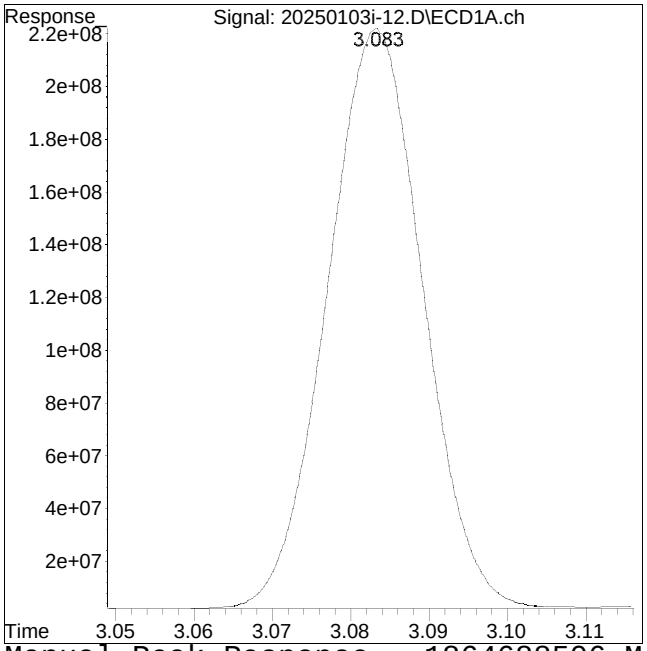
Original Peak Response = 1421916802 Manual Peak Response = 1420835820 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-12.D
Date Inj'd : 1/3/2025 13:56
Sample : il11pest,42e,,pp 11941 L0.
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:40 am

Compound #7: delta-BHC



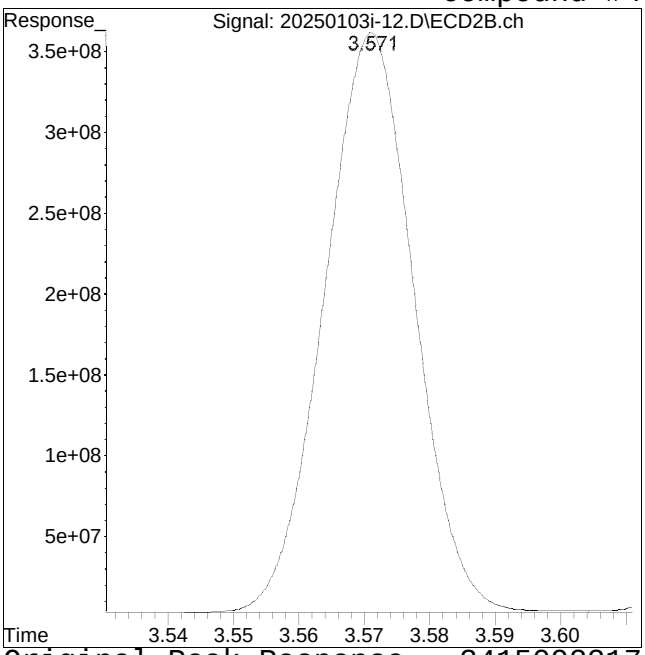


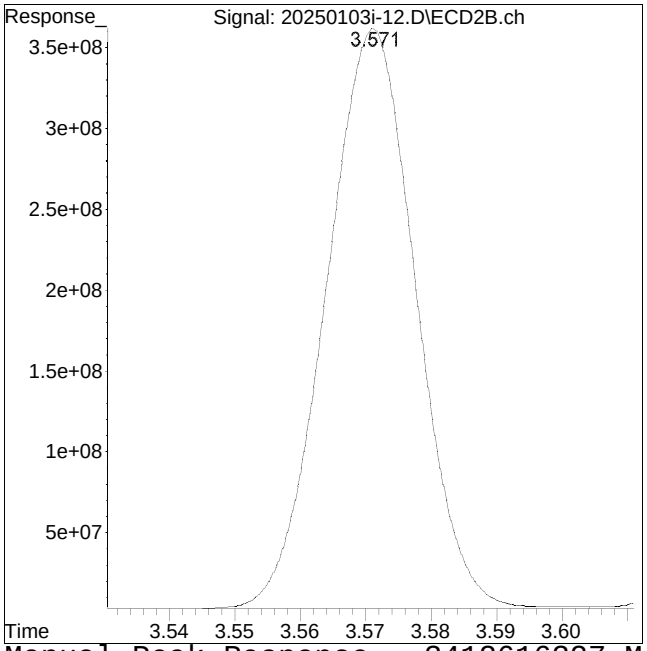
Original Peak Response = 1870946236 Manual Peak Response = 1864688506 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-12.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:56 Instrument : PEST 20
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/6/2025 9:40 am

Compound #45: delta-BHC #2



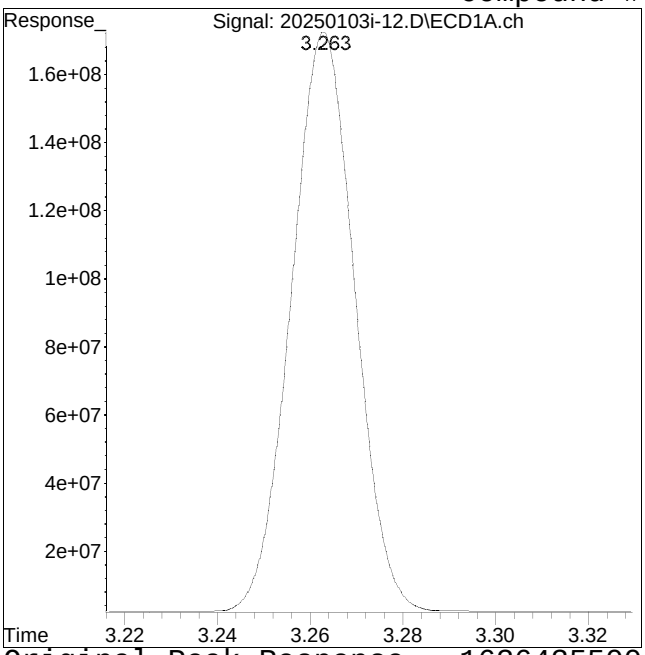


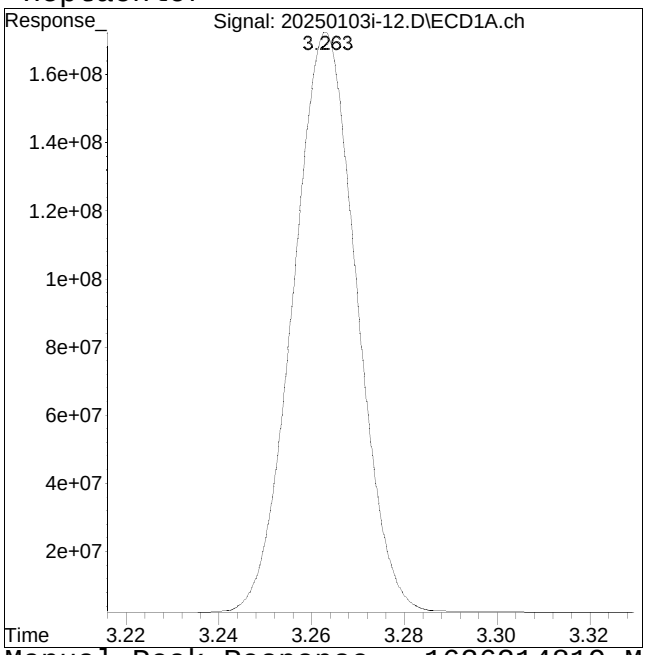
Original Peak Response = 3415092217 Manual Peak Response = 3412616327 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-12.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:56 Instrument : PEST 20
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/6/2025 9:40 am

Compound #8: Heptachlor





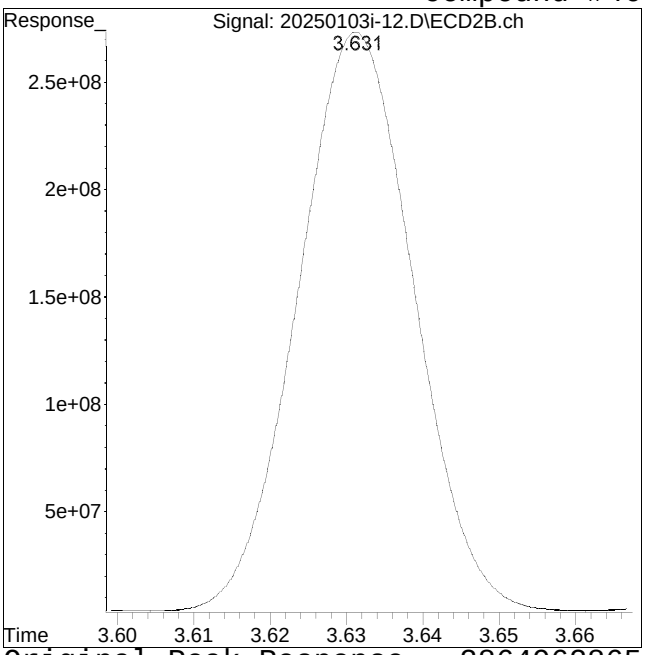
Original Peak Response = 1636435500 Manual Peak Response = 1626214819 M4
M4 = Poor automated baseline construction.

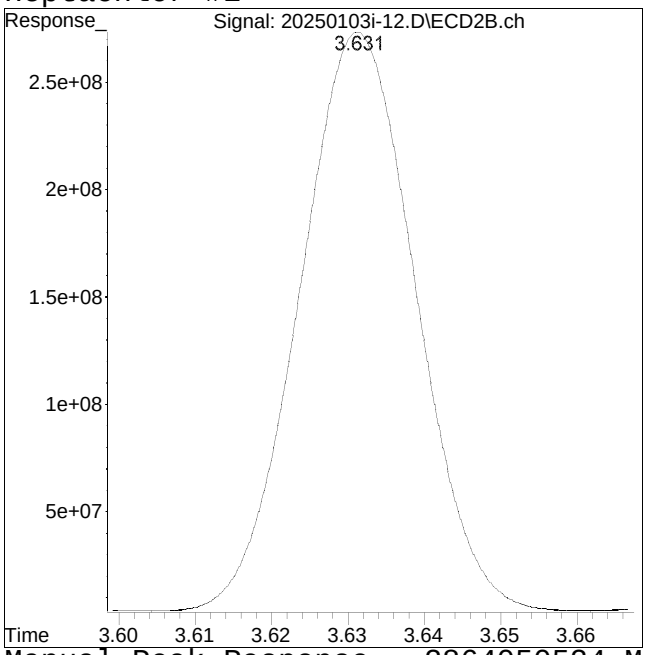
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-12.D
Date Inj'd : 1/3/2025 13:56
Sample : il11pest,42e,,pp 11941 L0.

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:40 am

Compound #46: Heptachlor #2



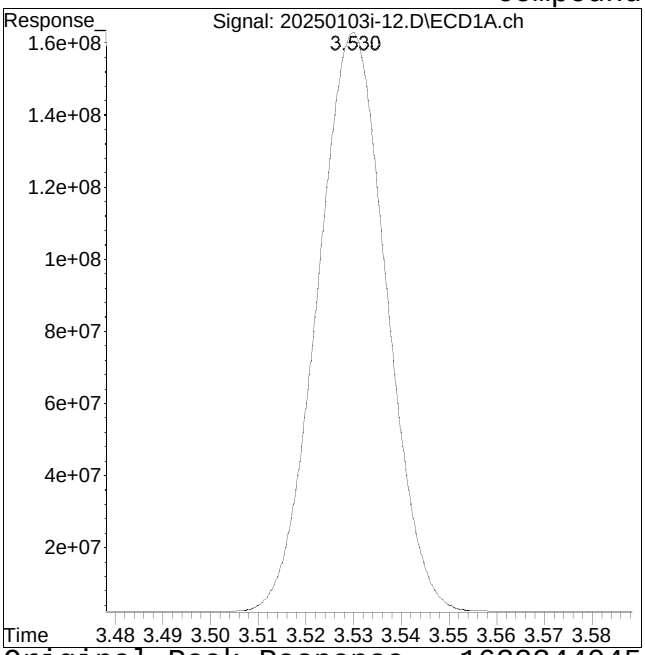


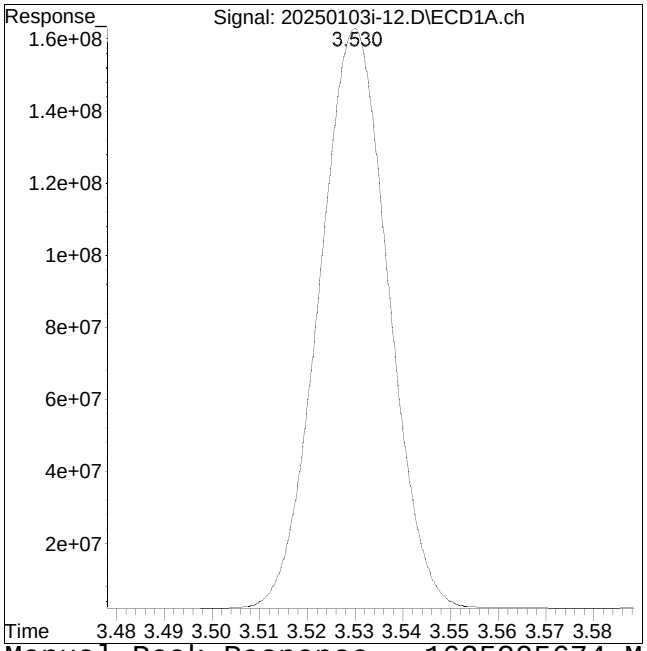
Original Peak Response = 2864962865 Manual Peak Response = 2864050524 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-12.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:56 Instrument : PEST 20
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/6/2025 9:40 am

Compound #9: Aldrin



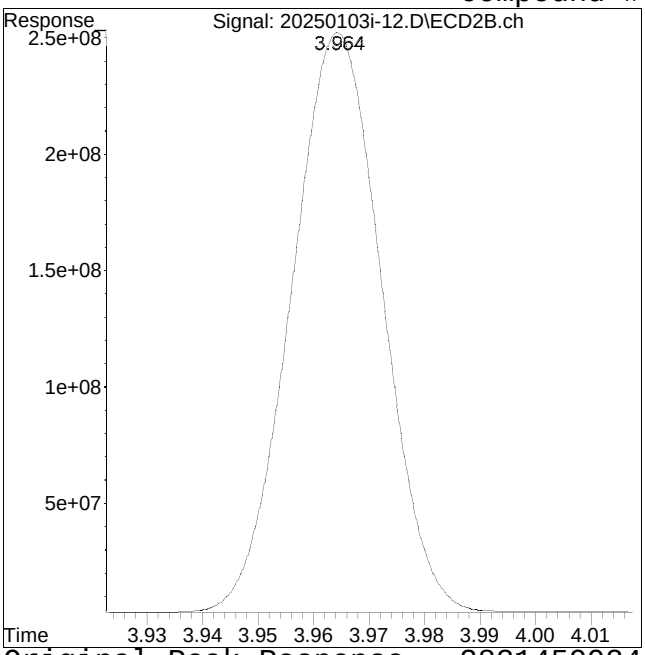


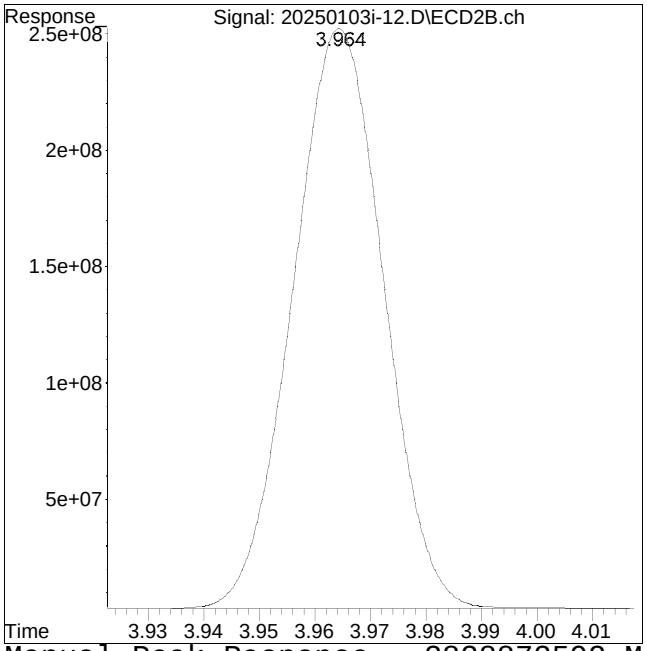
Original Peak Response = 1632344045 Manual Peak Response = 1625205674 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-12.D
Date Inj'd : 1/3/2025 13:56
Sample : il11pest,42e,,pp 11941 L0.
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:40 am

Compound #47: Aldrin #2



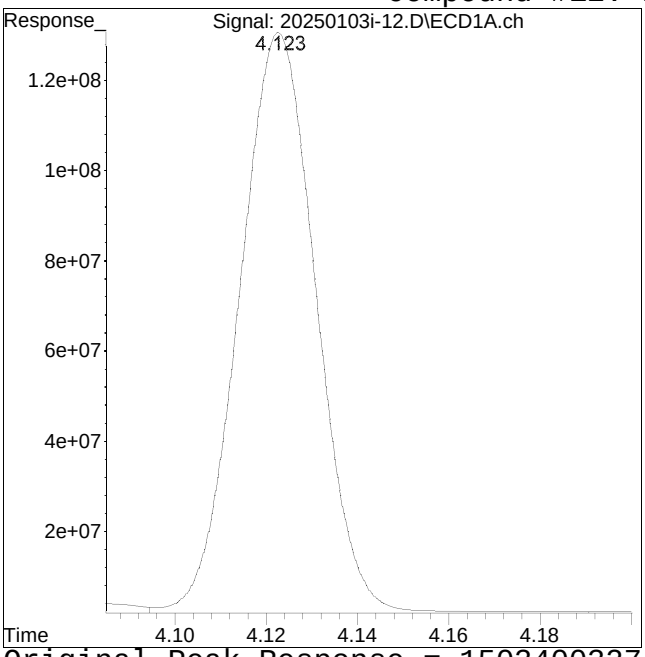


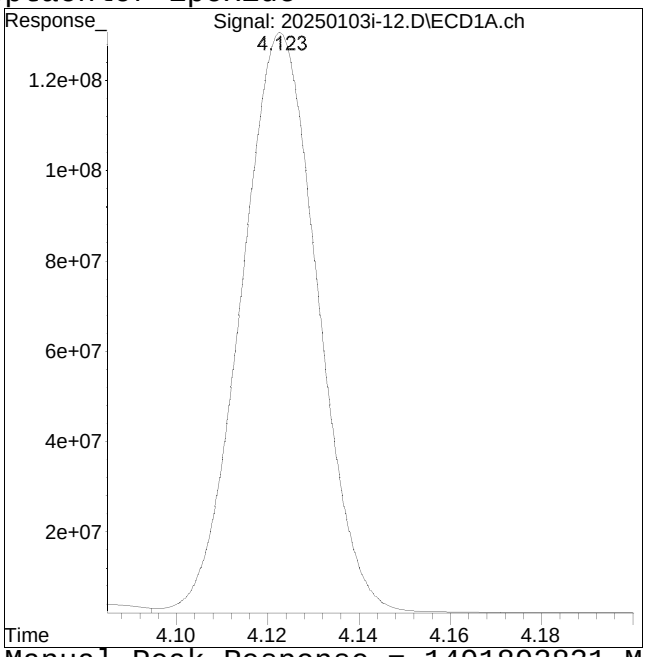
Original Peak Response = 2831459924 Manual Peak Response = 2828872592 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-12.D
Date Inj'd : 1/3/2025 13:56
Sample : il11pest,42e,,pp 11941 L0.
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:40 am

Compound #12: Heptachlor Epoxide





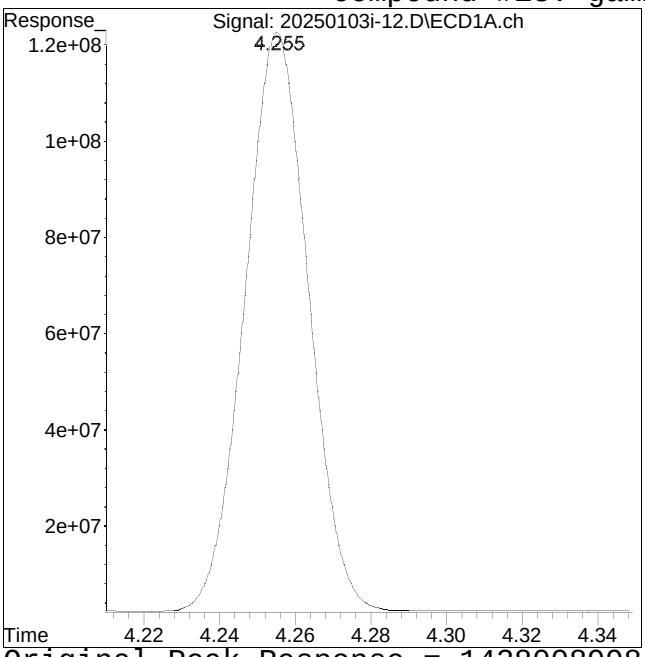
Original Peak Response = 1503400327 Manual Peak Response = 1491893831 M4
M4 = Poor automated baseline construction.

Manual Integration Report

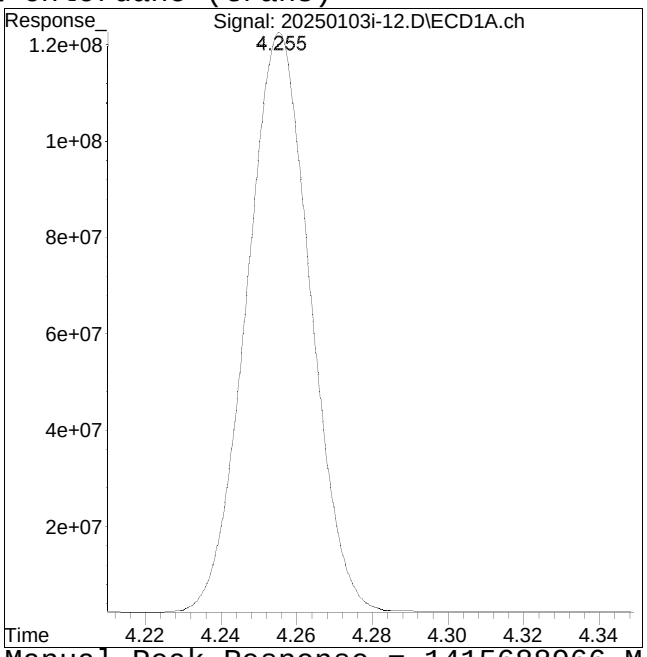
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-12.D
Date Inj'd : 1/3/2025 13:56
Sample : il11pest,42e,,pp 11941 L0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:40 am

Compound #13: gamma-Chlordane (trans)



Original Peak Response = 1428008998



Manual Peak Response = 1415688966 M4

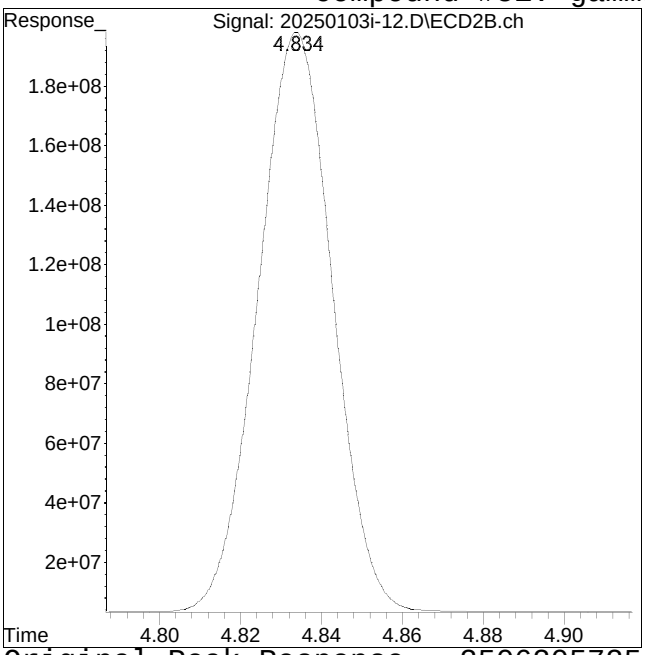
M4 = Poor automated baseline construction.

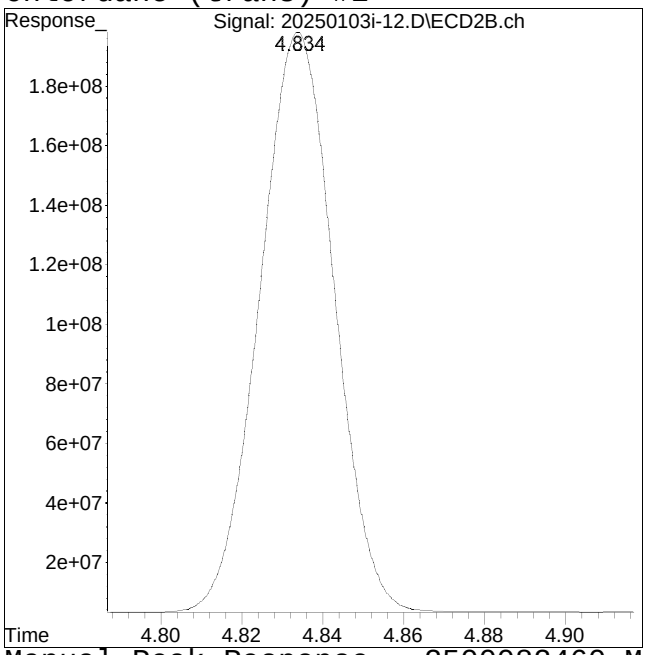
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-12.D
Date Inj'd : 1/3/2025 13:56
Sample : il11pest,42e,,pp 11941 L0.

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:40 am

Compound #51: gamma-Chlordane (trans) #2



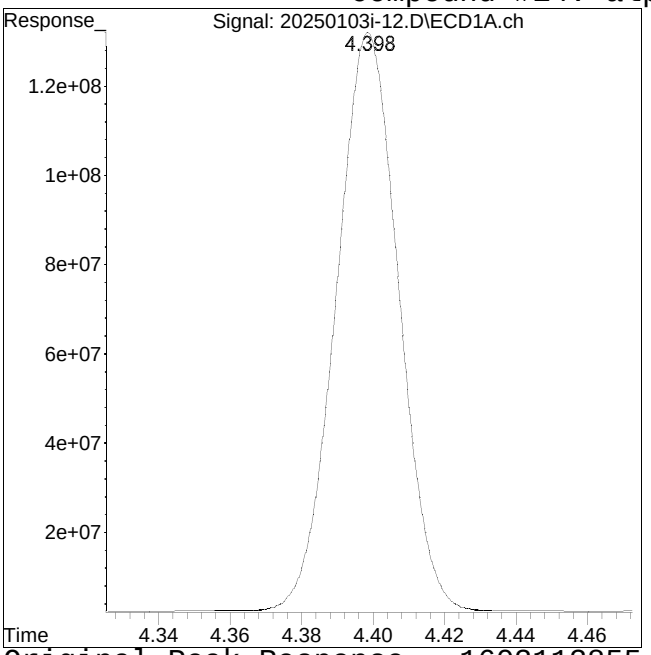


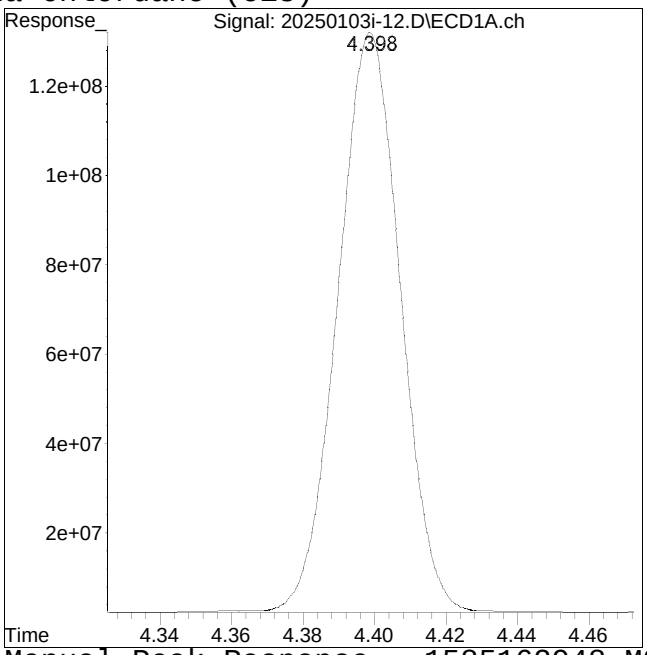
Original Peak Response = 2506205725 Manual Peak Response = 2500082460 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-12.D
Date Inj'd : 1/3/2025 13:56
Sample : il11pest,42e,,pp 11941 L0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:40 am

Compound #14: alpha-Chlordane (cis)





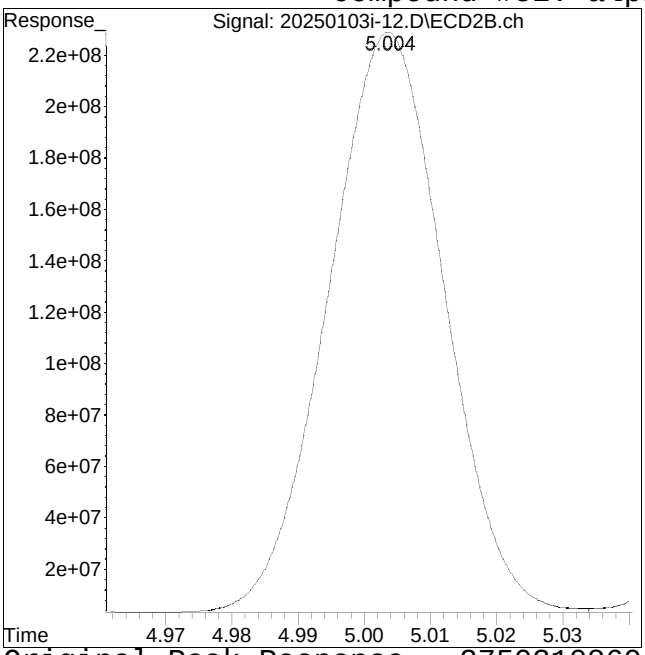
Original Peak Response = 1603113855 Manual Peak Response = 1585162948 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

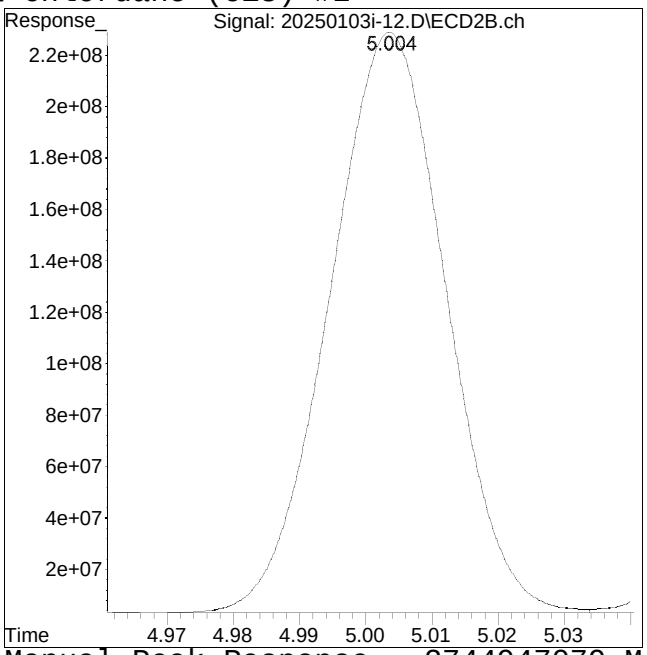
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-12.D
Date Inj'd : 1/3/2025 13:56
Sample : il11pest,42e,,pp 11941 L0.

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:40 am

Compound #52: alpha-Chlordane (cis) #2



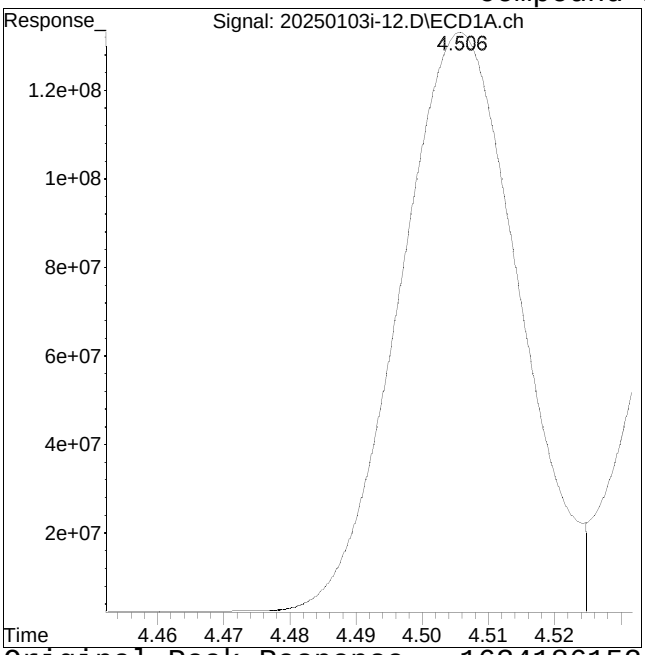


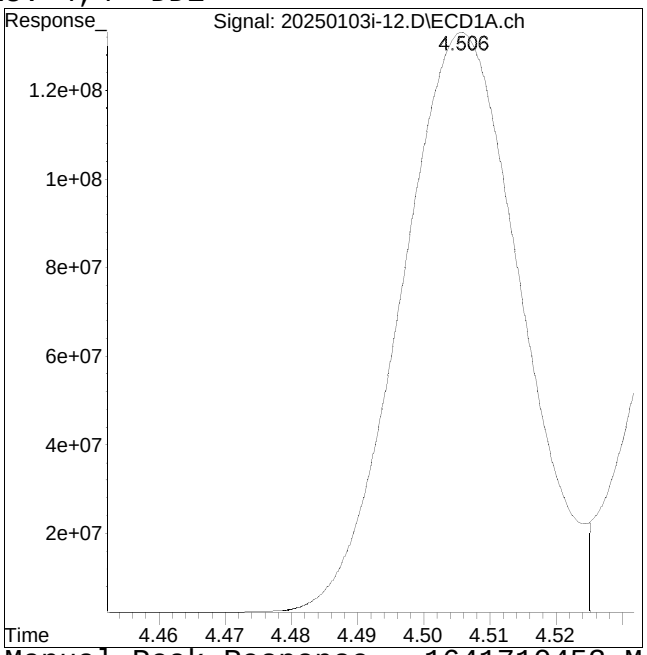
Original Peak Response = 2750310869 Manual Peak Response = 2744947079 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-12.D
Date Inj'd : 1/3/2025 13:56
Sample : il11pest,42e,,pp 11941 L0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:40 am

Compound #15: 4,4'-DDE





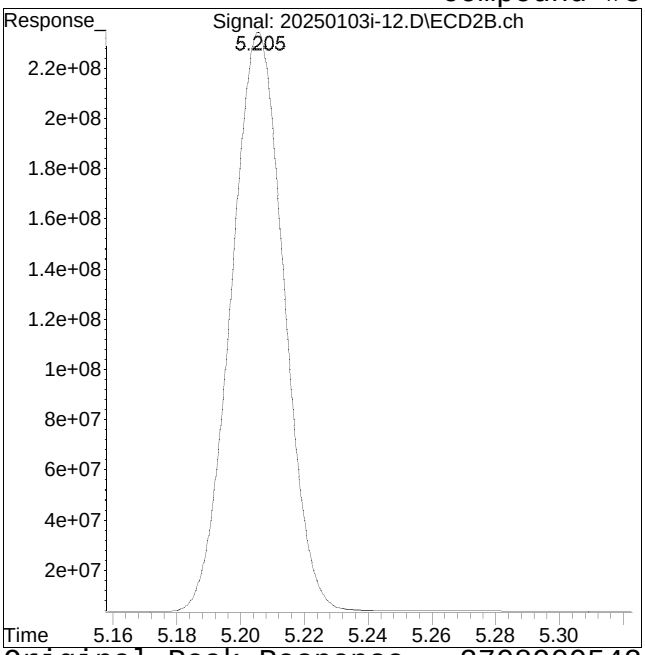
Original Peak Response = 1634186152 Manual Peak Response = 1641710453 M4
M4 = Poor automated baseline construction.

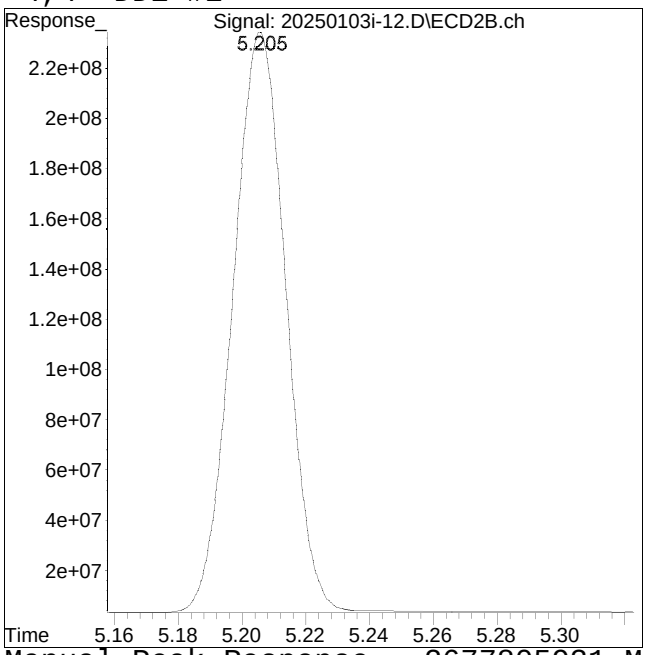
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-12.D
Date Inj'd : 1/3/2025 13:56
Sample : il11pest,42e,,pp 11941 L0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:40 am

Compound #53: 4,4'-DDE #2



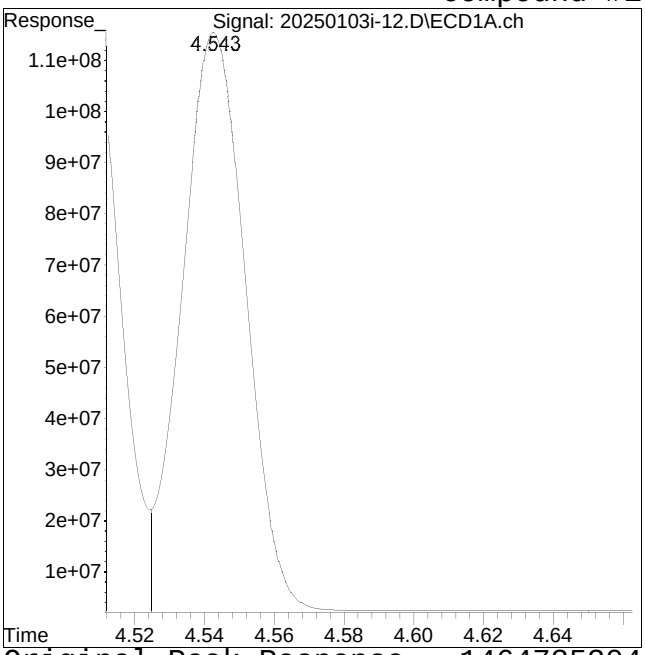


Original Peak Response = 2708909542 Manual Peak Response = 2677805931 M4
M4 = Poor automated baseline construction.

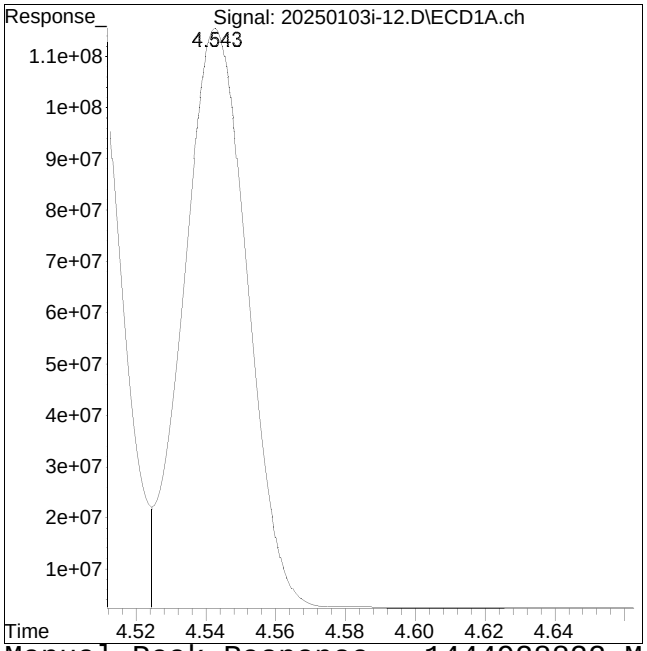
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-12.D
Date Inj'd : 1/3/2025 13:56
Sample : il11pest,42e,,pp 11941 L0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:40 am

Compound #16: Endosulfan I



Original Peak Response = 1464735304



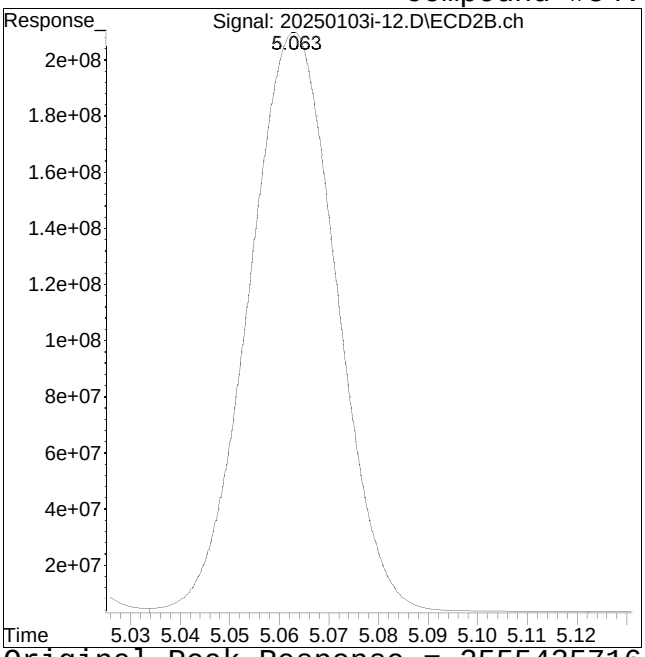
Manual Peak Response = 1444928822 M4

M4 = Poor automated baseline construction.

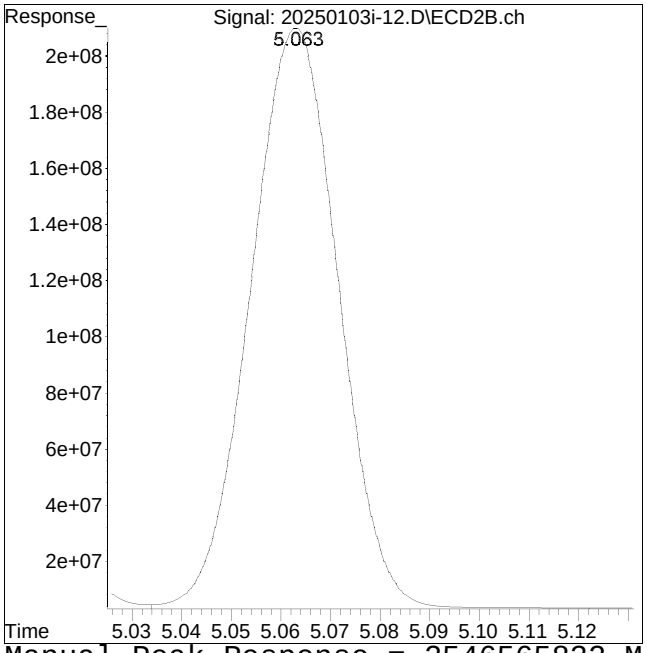
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-12.D
Date Inj'd : 1/3/2025 13:56
Sample : il11pest,42e,,pp 11941 L0.
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:40 am

Compound #54: Endosulfan I #2



Original Peak Response = 2555435716



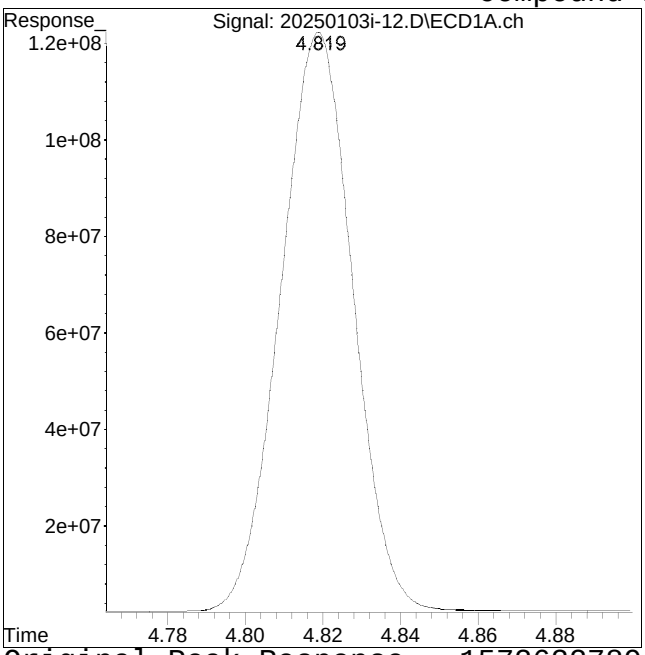
Manual Peak Response = 2546565832 M4

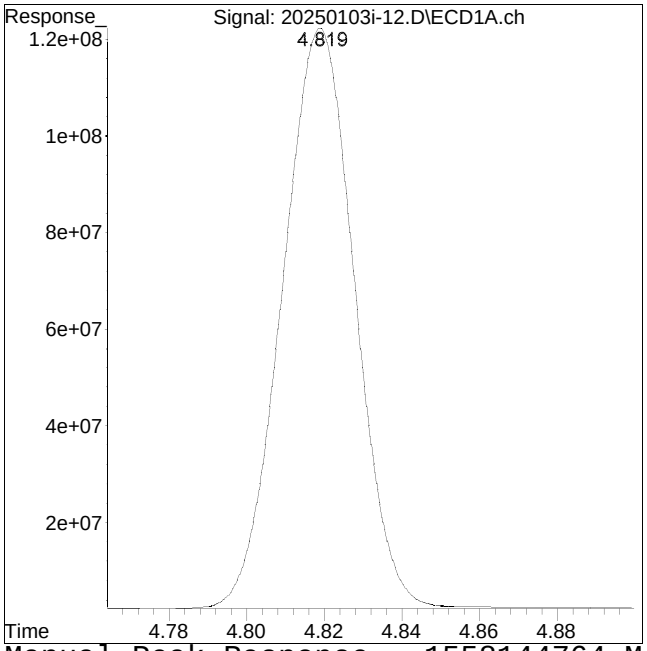
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-12.D
Date Inj'd : 1/3/2025 13:56
Sample : il11pest,42e,,pp 11941 L0.
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:40 am

Compound #17: Dieldrin





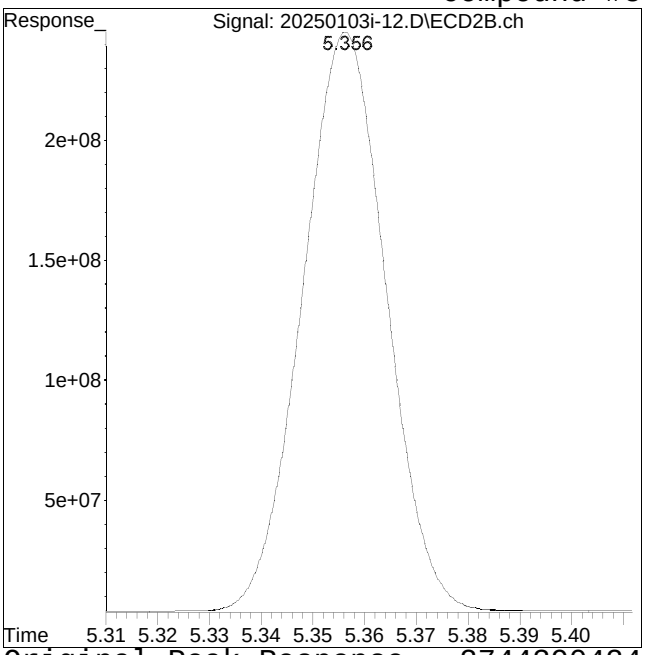
Original Peak Response = 1572622789 Manual Peak Response = 1558144764 M4
M4 = Poor automated baseline construction.

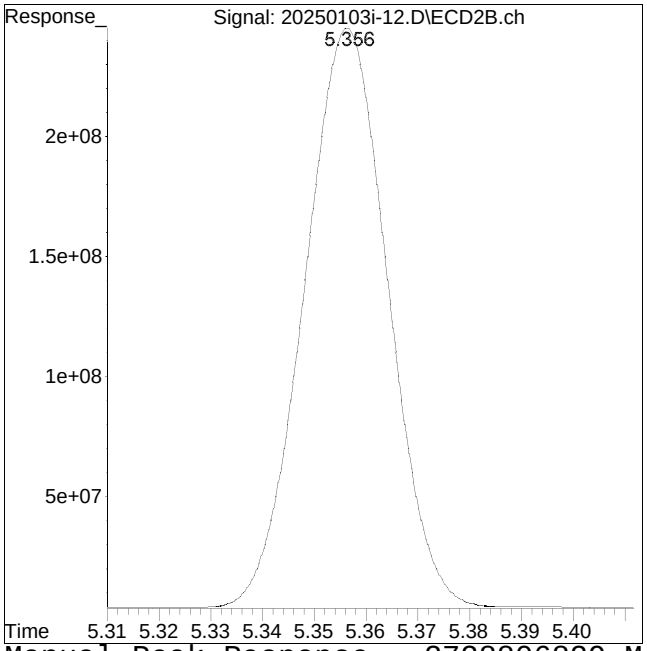
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-12.D
Date Inj'd : 1/3/2025 13:56
Sample : il11pest,42e,,pp 11941 L0.

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:40 am

Compound #55: Dieldrin #2



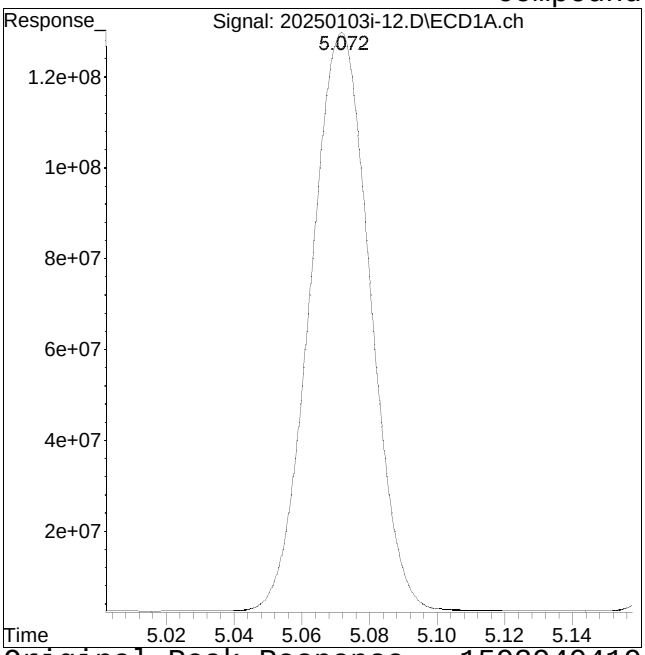


Original Peak Response = 2744390424 Manual Peak Response = 2728806829 M4
M4 = Poor automated baseline construction.

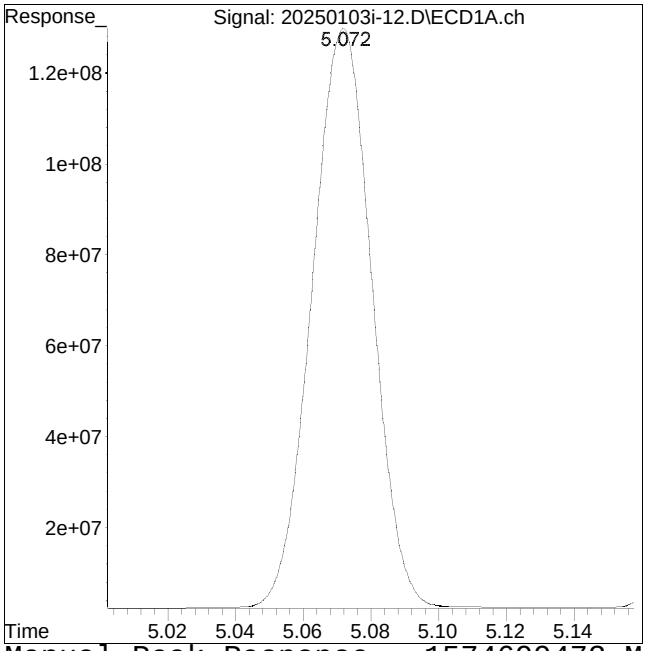
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-12.D
Date Inj'd : 1/3/2025 13:56
Sample : il11pest,42e,,pp 11941 L0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:40 am

Compound #18: Endrin



Original Peak Response = 1593949419



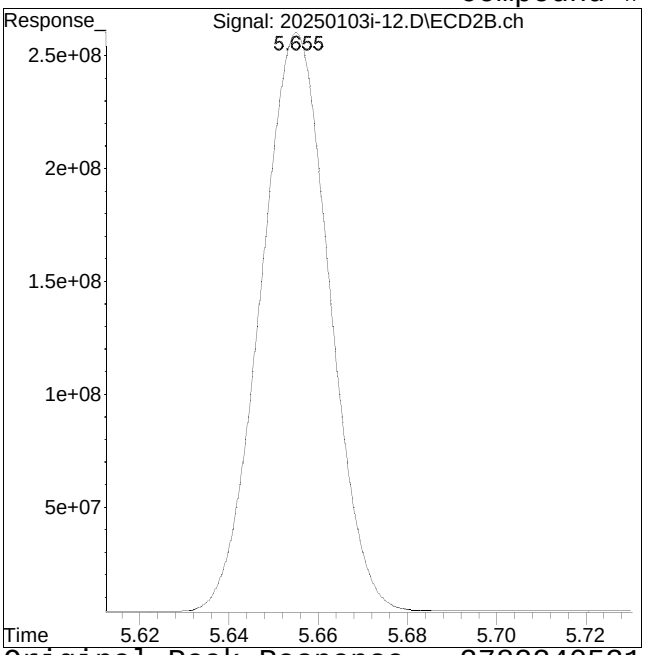
Manual Peak Response = 1574699473 M4

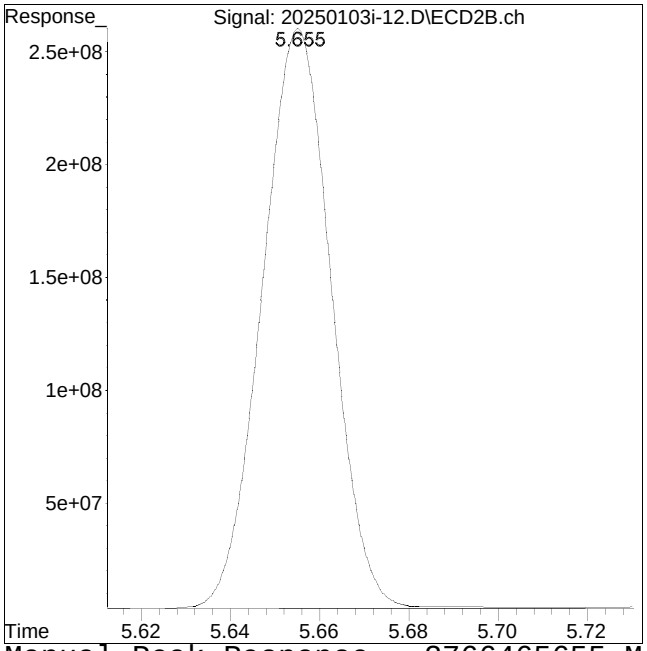
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-12.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:56 Instrument : PEST 20
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/6/2025 9:40 am

Compound #56: Endrin #2





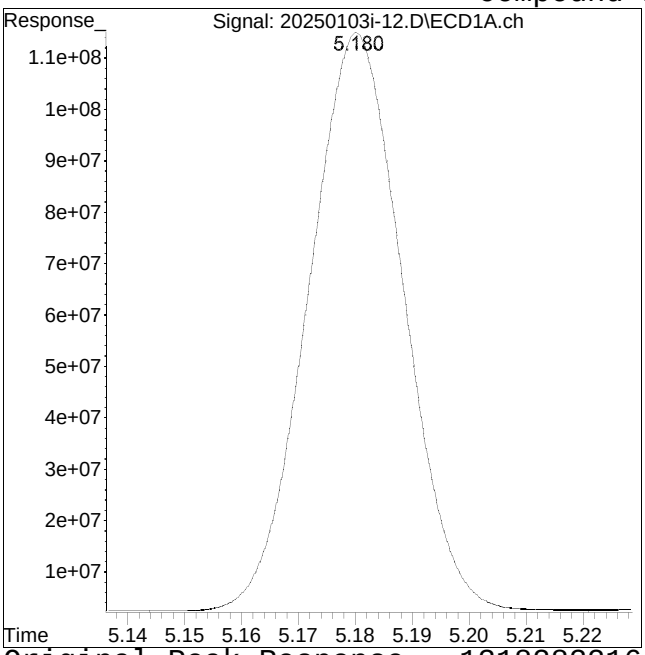
Original Peak Response = 2782240531 Manual Peak Response = 2766465655 M4
M4 = Poor automated baseline construction.

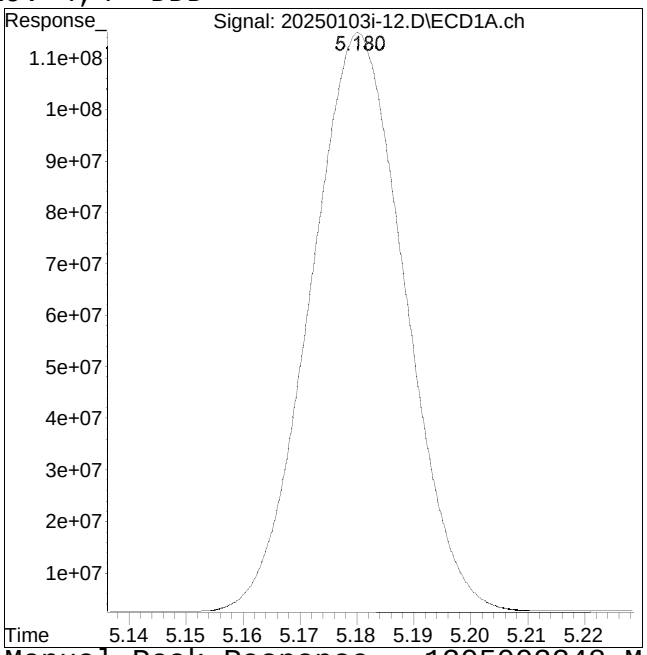
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-12.D
Date Inj'd : 1/3/2025 13:56
Sample : il11pest,42e,,pp 11941 L0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:40 am

Compound #19: 4,4'-DDD





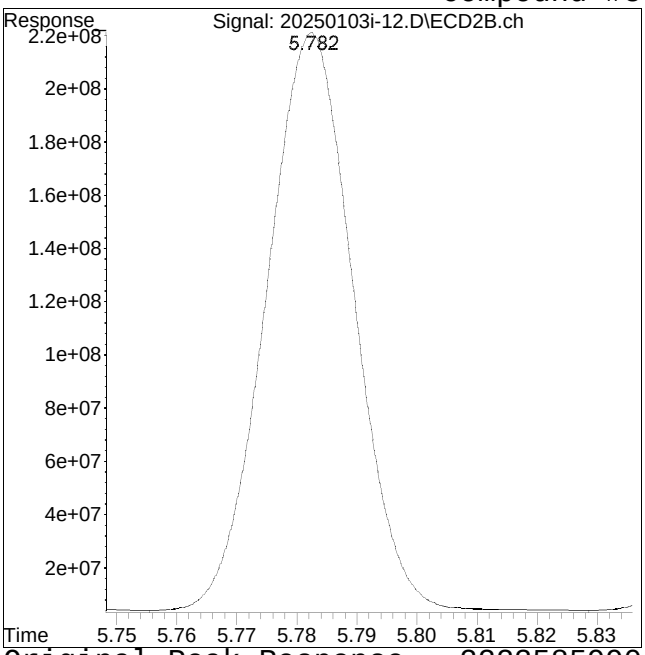
Original Peak Response = 1318283216 Manual Peak Response = 1305003248 M4
M4 = Poor automated baseline construction.

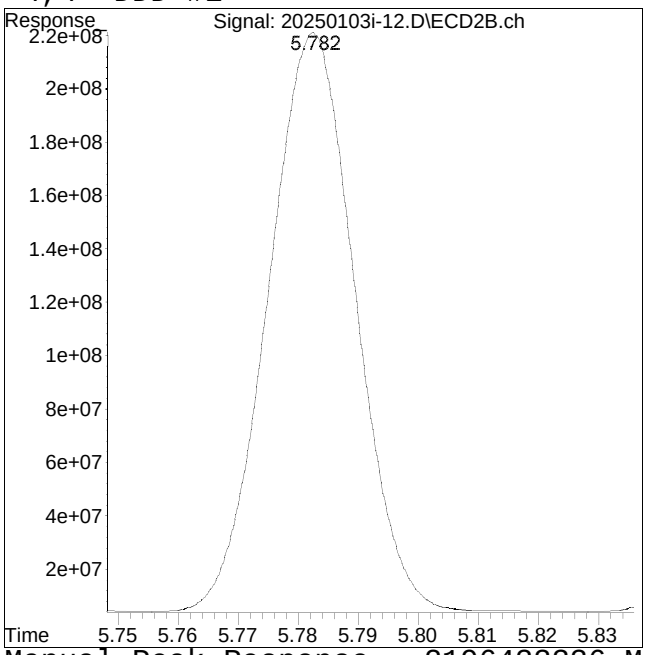
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-12.D
Date Inj'd : 1/3/2025 13:56
Sample : il11pest,42e,,pp 11941 L0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:40 am

Compound #57: 4,4'-DDD #2





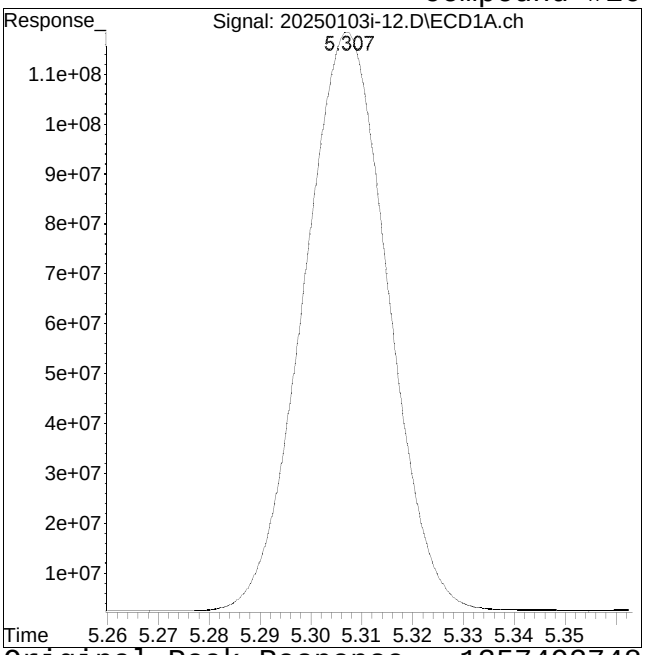
Original Peak Response = 2223585990 Manual Peak Response = 2196433336 M4
M4 = Poor automated baseline construction.

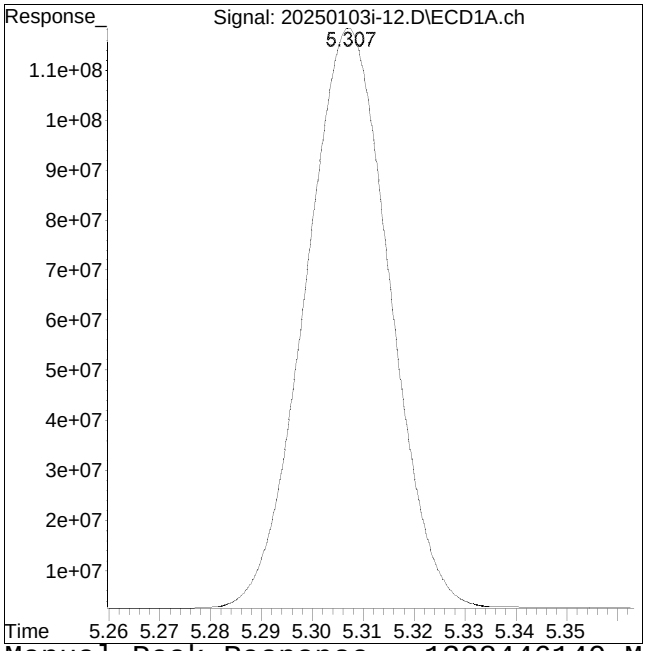
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-12.D
Date Inj'd : 1/3/2025 13:56
Sample : il11pest,42e,,pp 11941 L0.

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:40 am

Compound #20: Endosulfan II



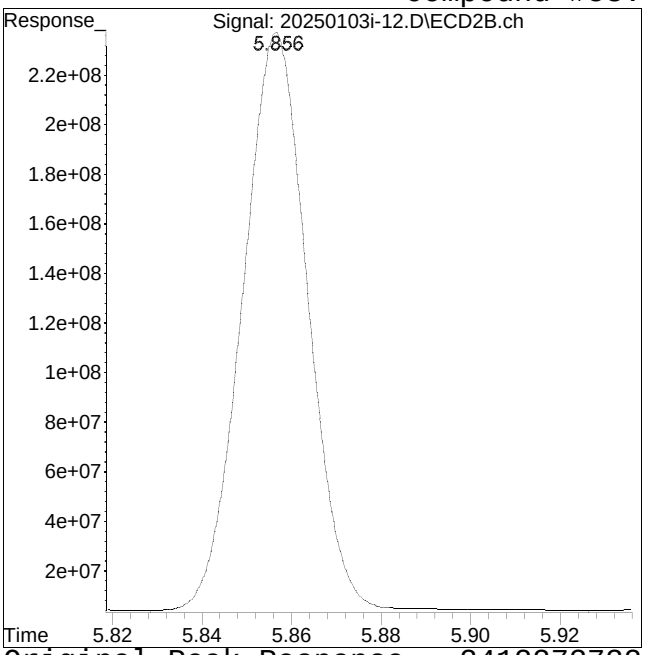


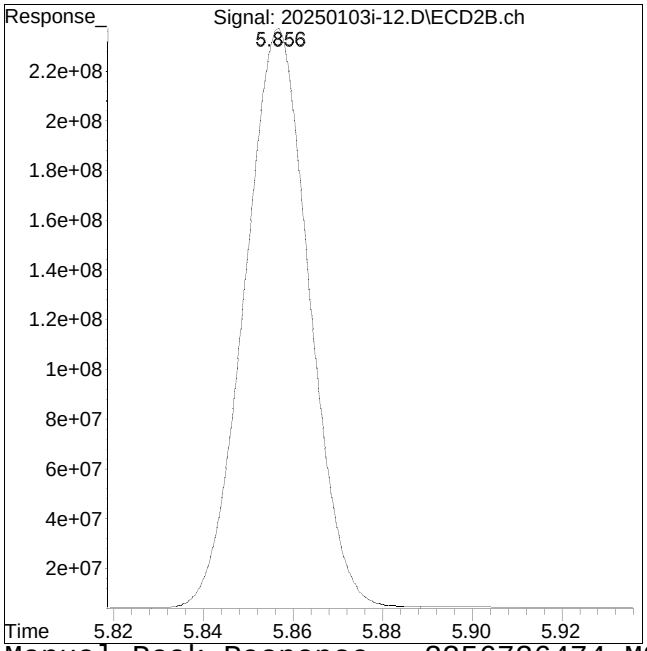
Original Peak Response = 1357493748 Manual Peak Response = 1338446140 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-12.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:56 Instrument : PEST 20
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/6/2025 9:40 am

Compound #58: Endosulfan II #2





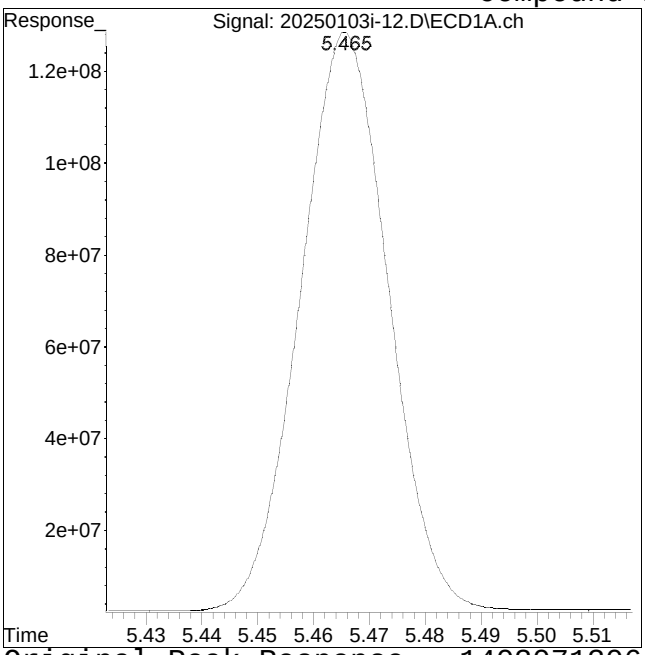
Original Peak Response = 2412273732 Manual Peak Response = 2356736474 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

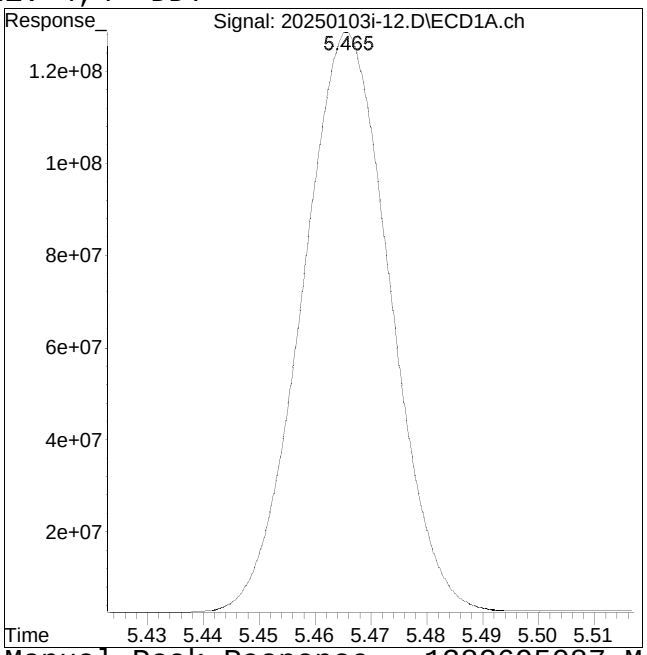
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-12.D
Date Inj'd : 1/3/2025 13:56
Sample : il11pest,42e,,pp 11941 L0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:40 am

Compound #21: 4,4'-DDT





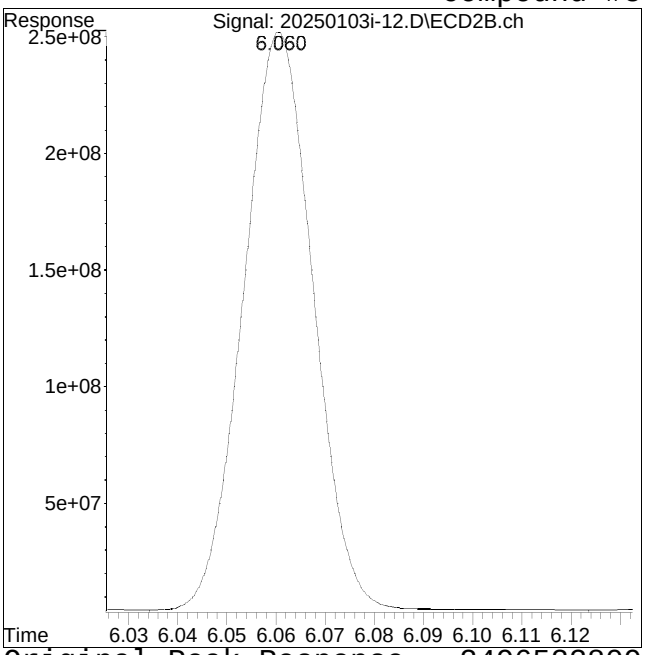
Original Peak Response = 1403071306 Manual Peak Response = 1382695087 M4
M4 = Poor automated baseline construction.

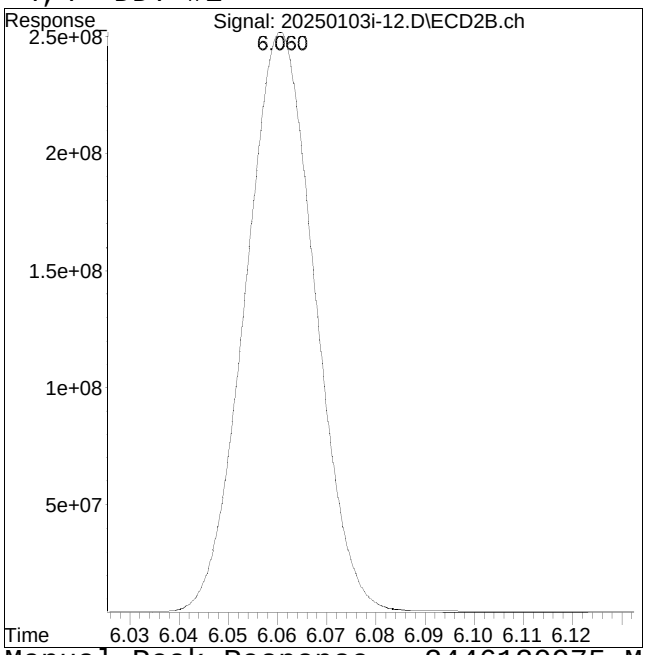
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-12.D
Date Inj'd : 1/3/2025 13:56
Sample : il11pest,42e,,pp 11941 L0.

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:40 am

Compound #59: 4,4'-DDT #2





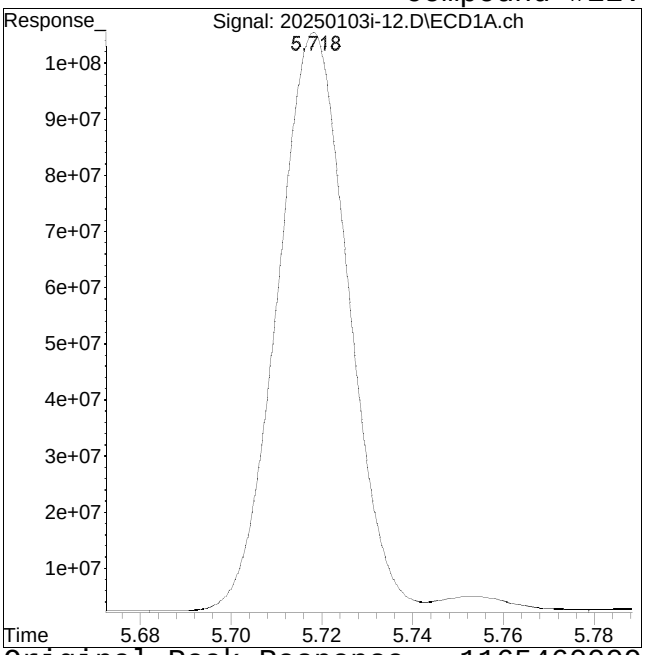
Original Peak Response = 2496523809 Manual Peak Response = 2446120975 M4
M4 = Poor automated baseline construction.

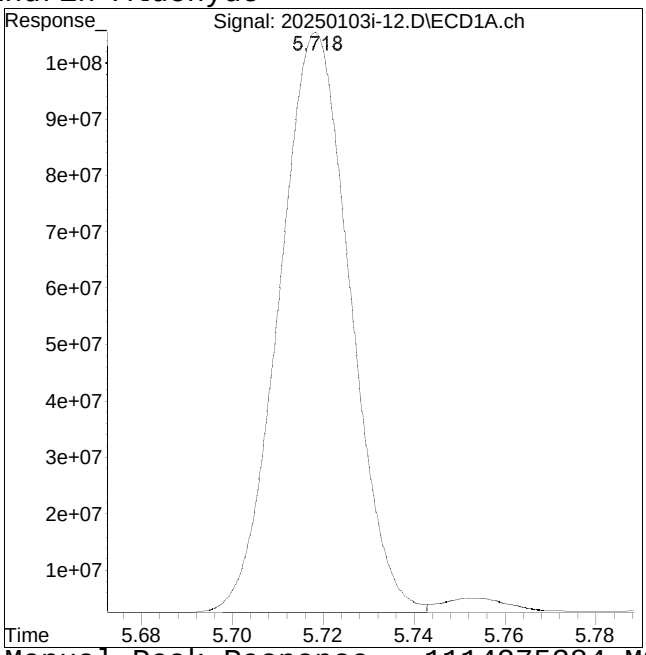
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-12.D
Date Inj'd : 1/3/2025 13:56
Sample : il11pest,42e,,pp 11941 L0.

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:40 am

Compound #22: Endrin Aldehyde





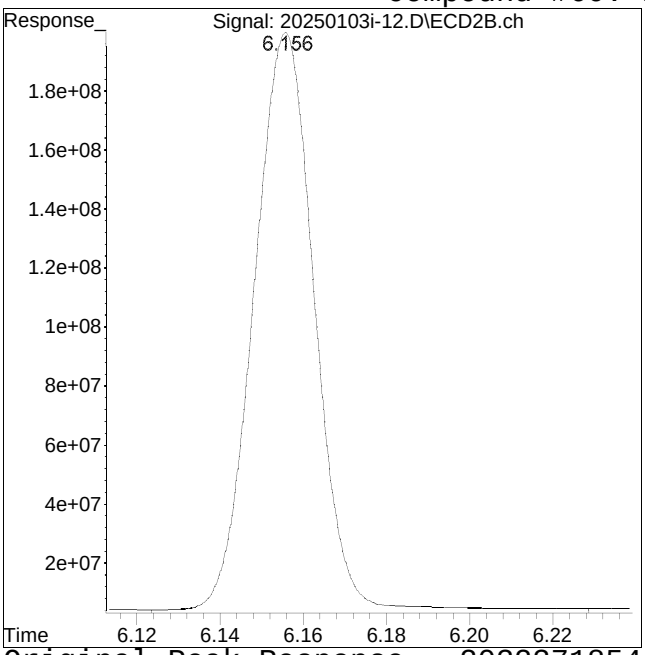
Original Peak Response = 1165460009 Manual Peak Response = 1114275384 M3

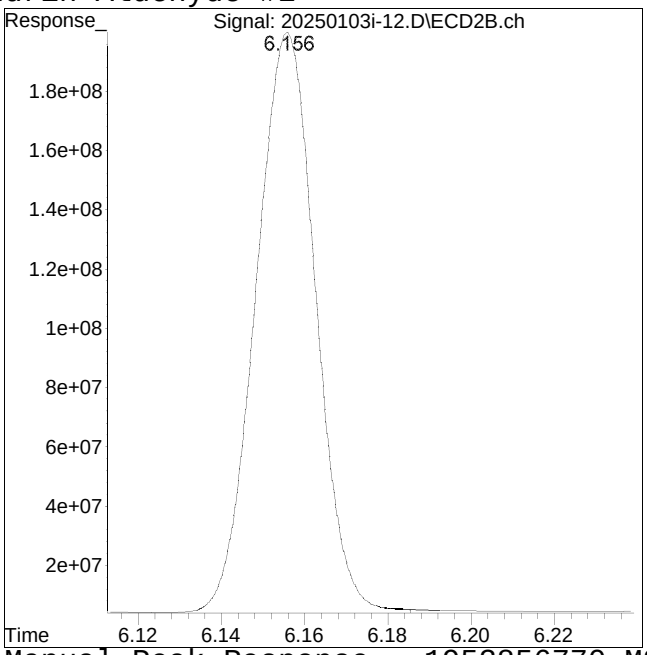
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-12.D
Date Inj'd : 1/3/2025 13:56
Sample : il11pest,42e,,pp 11941 L0.
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:40 am

Compound #60: Endrin Aldehyde #2





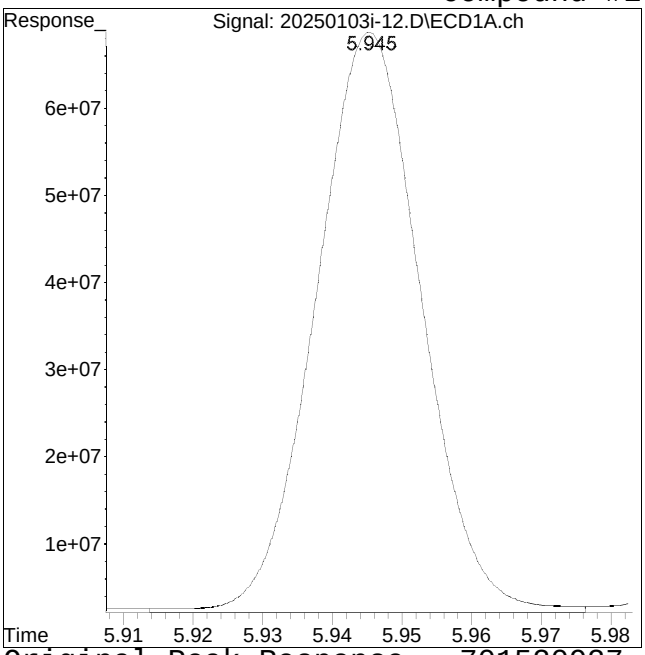
Original Peak Response = 2032371854 Manual Peak Response = 1953856770 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

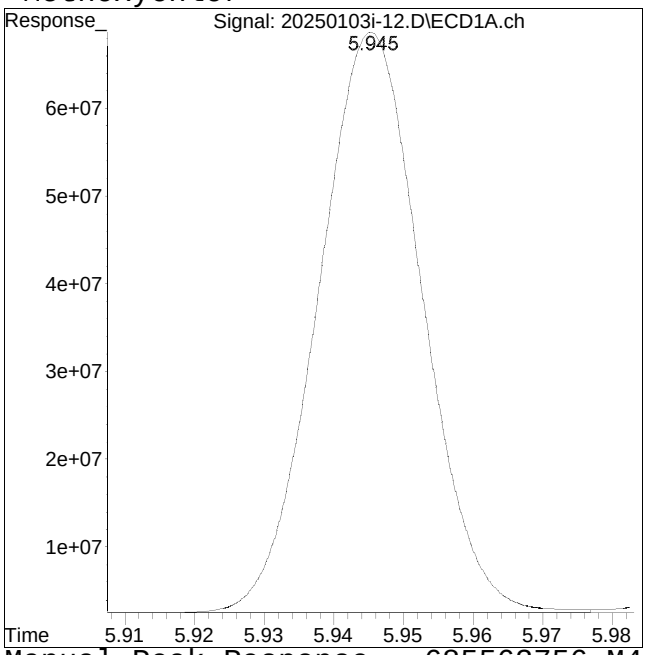
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-12.D
Date Inj'd : 1/3/2025 13:56
Sample : il11pest,42e,,pp 11941 L0

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:40 am

Compound #23: Methoxychlor



Original Peak Response = 701520927



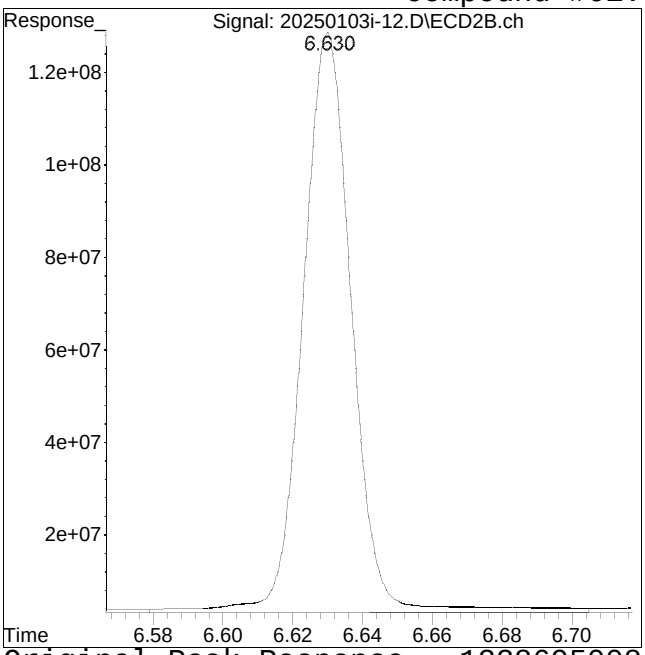
Manual Peak Response = 685563756 M4

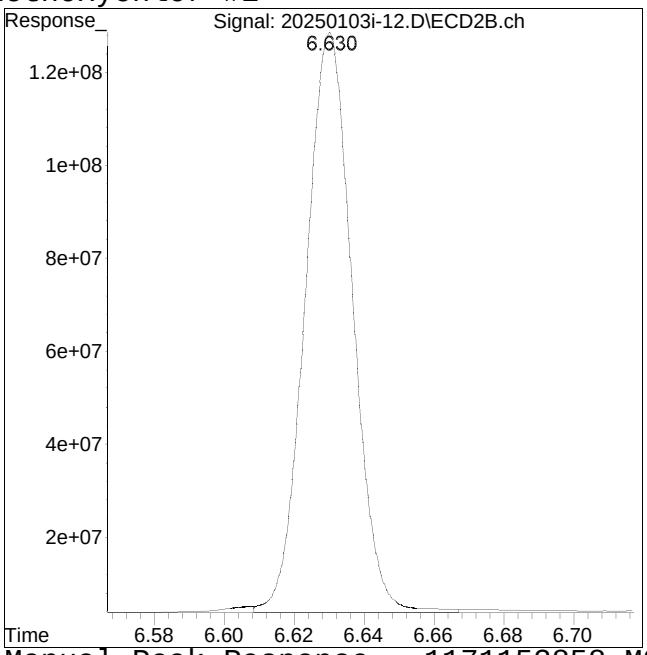
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-12.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:56 Instrument : PEST 20
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/6/2025 9:40 am

Compound #61: Methoxychlor #2



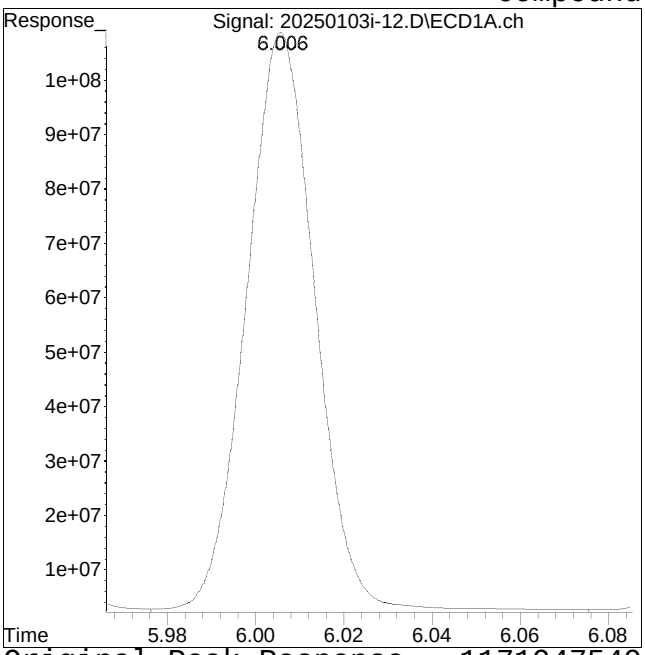


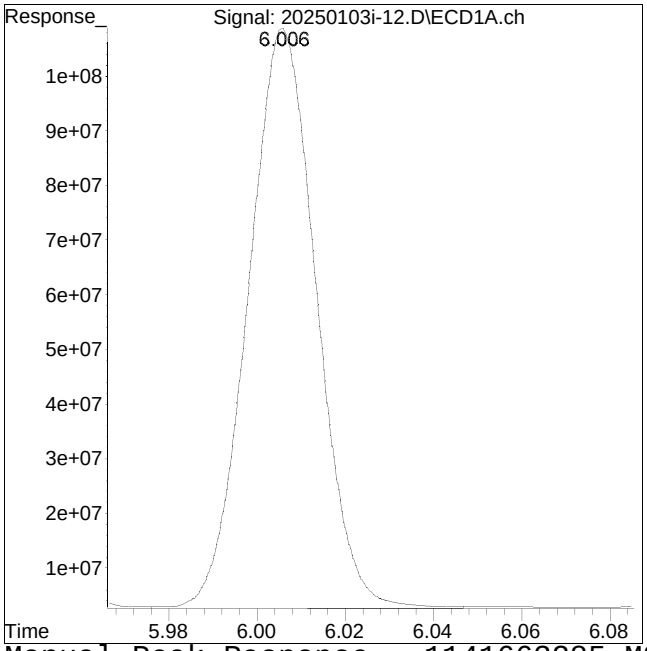
Original Peak Response = 1238695008 Manual Peak Response = 1171153858 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-12.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:56 Instrument : PEST 20
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/6/2025 9:40 am

Compound #24: Mirex





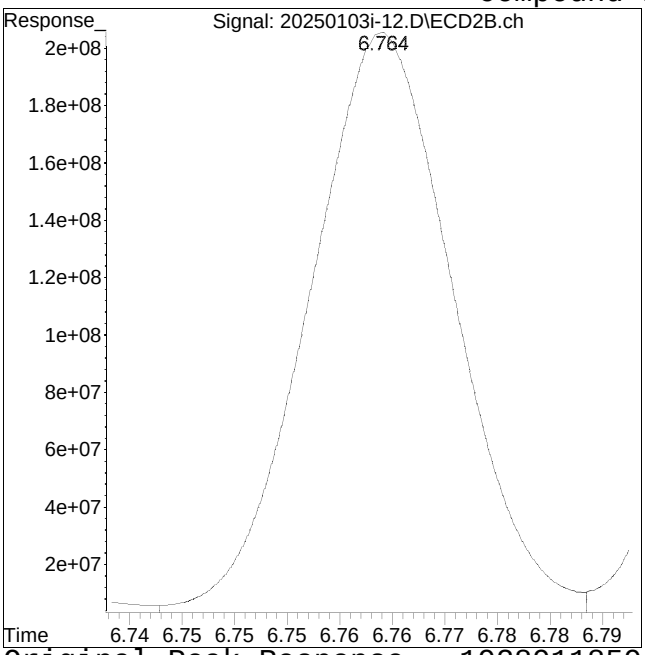
Original Peak Response = 1171947549 Manual Peak Response = 1141663285 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

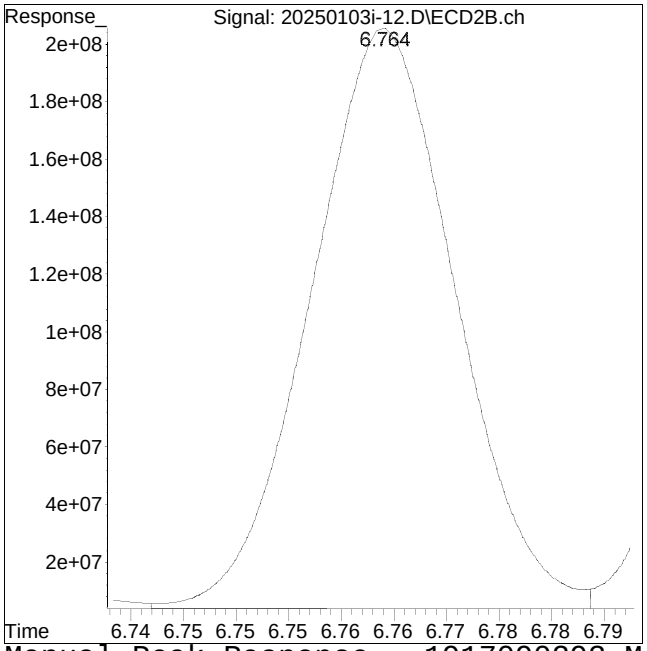
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-12.D
Date Inj'd : 1/3/2025 13:56
Sample : il11pest,42e,,pp 11941 L0.

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:40 am

Compound #62: Mirex #2



Original Peak Response = 1928911859



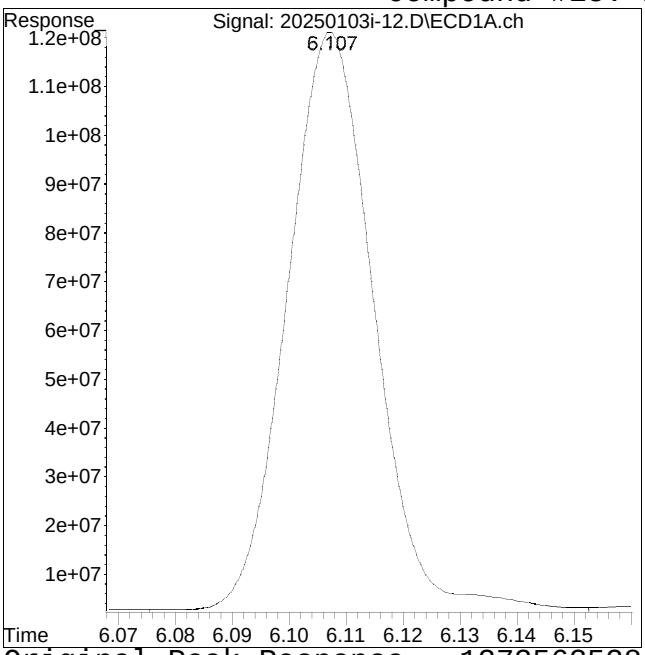
Manual Peak Response = 1917090293 M4

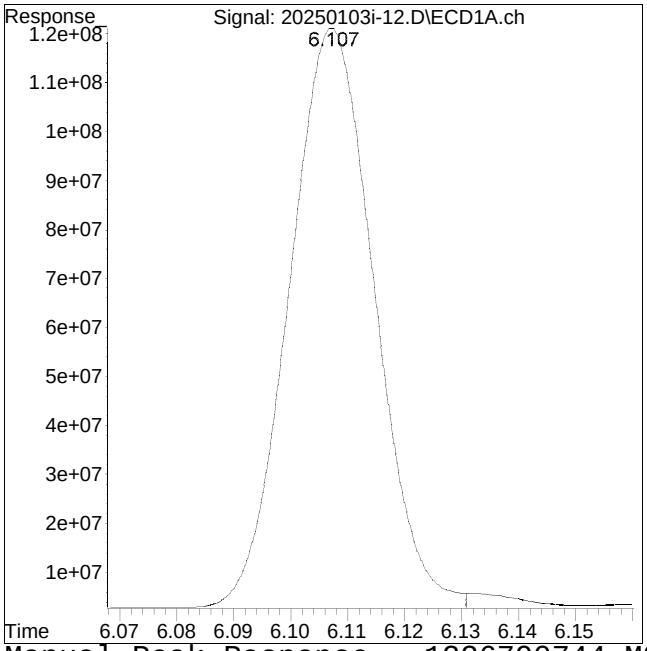
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-12.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:56 Instrument : PEST 20
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/6/2025 9:40 am

Compound #25: Endosulfan Sulfate





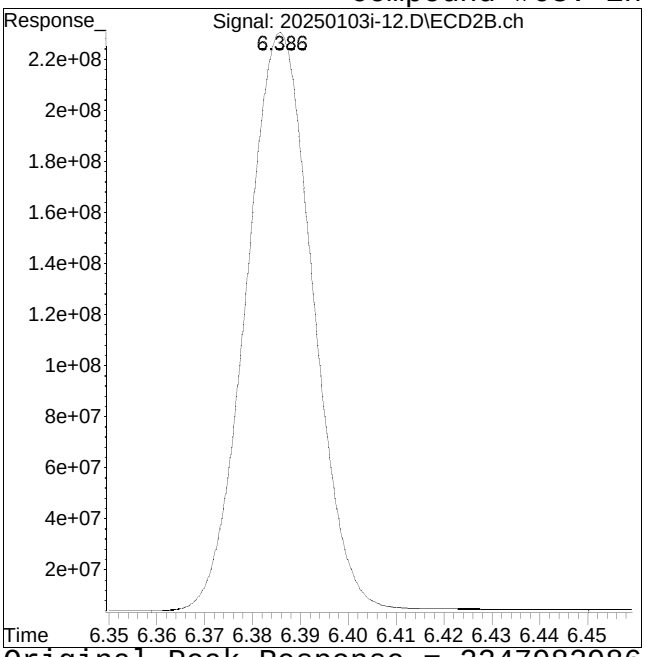
Original Peak Response = 1273563528 Manual Peak Response = 1226790744 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

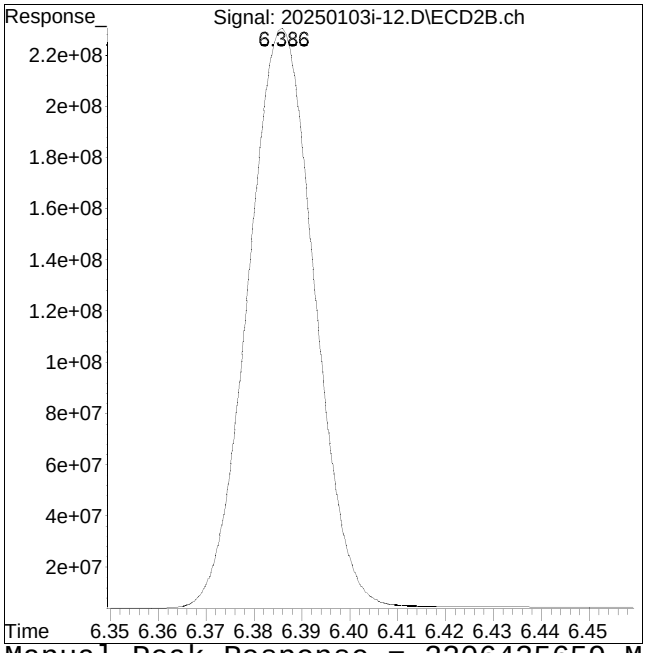
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-12.D
Date Inj'd : 1/3/2025 13:56
Sample : il11pest,42e,,pp 11941 L0.

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:40 am

Compound #63: Endosulfan Sulfate #2



Original Peak Response = 2247982986



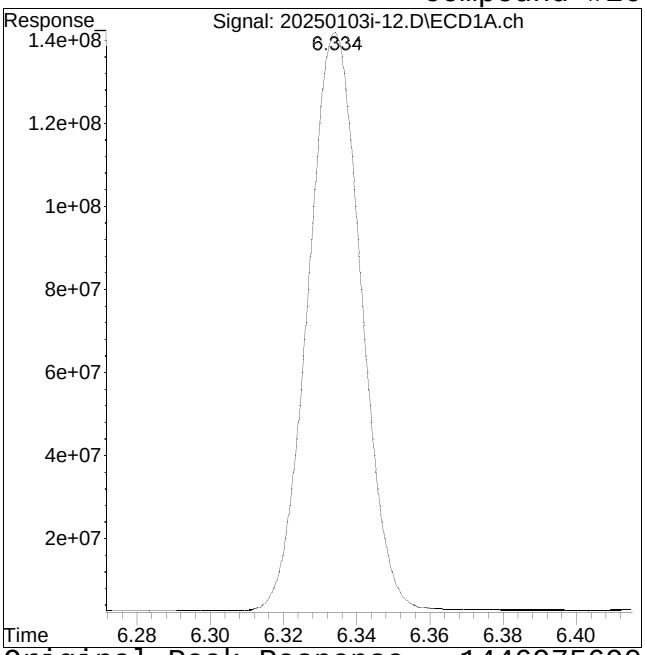
Manual Peak Response = 2206435659 M4

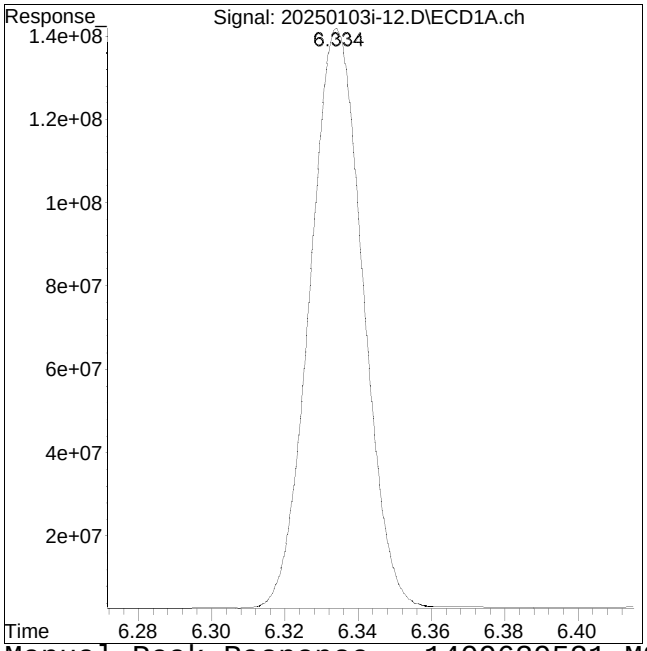
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-12.D
Date Inj'd : 1/3/2025 13:56
Sample : il11pest,42e,,pp 11941 L0.
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:40 am

Compound #26: Endrin Ketone



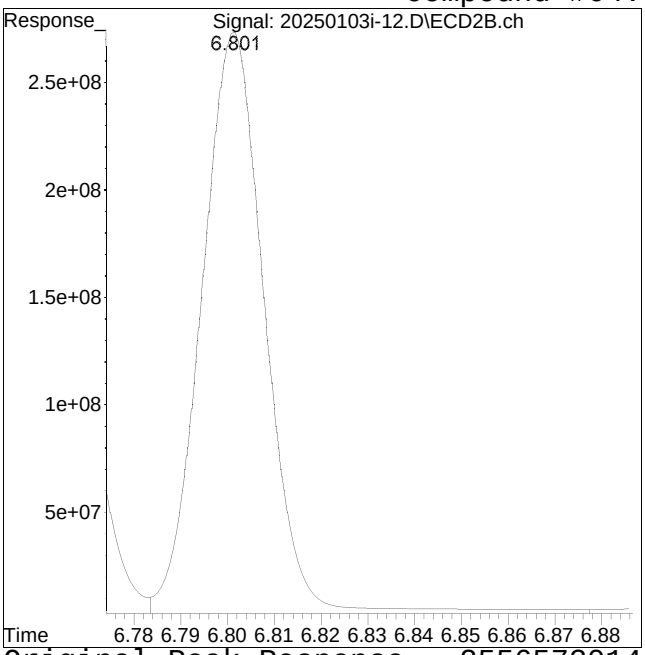


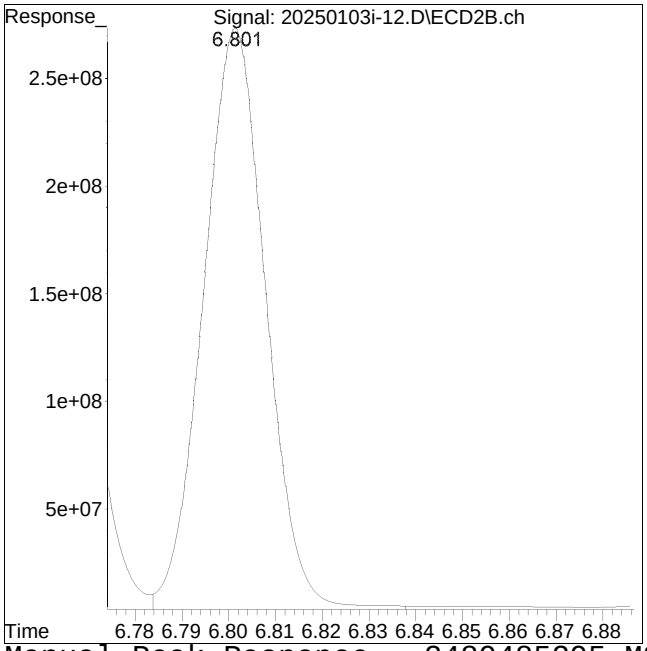
Original Peak Response = 1446975690 Manual Peak Response = 1409639531 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-12.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 13:56 Instrument : PEST 20
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/6/2025 9:40 am

Compound #64: Endrin Ketone #2



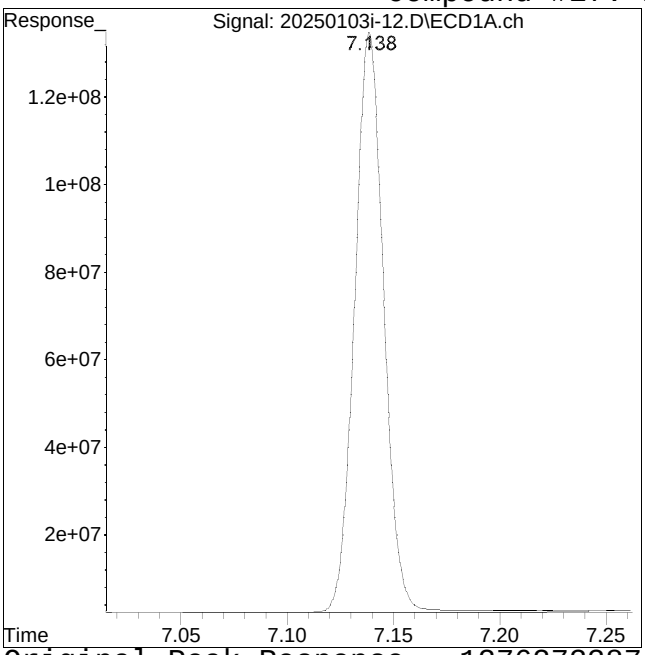


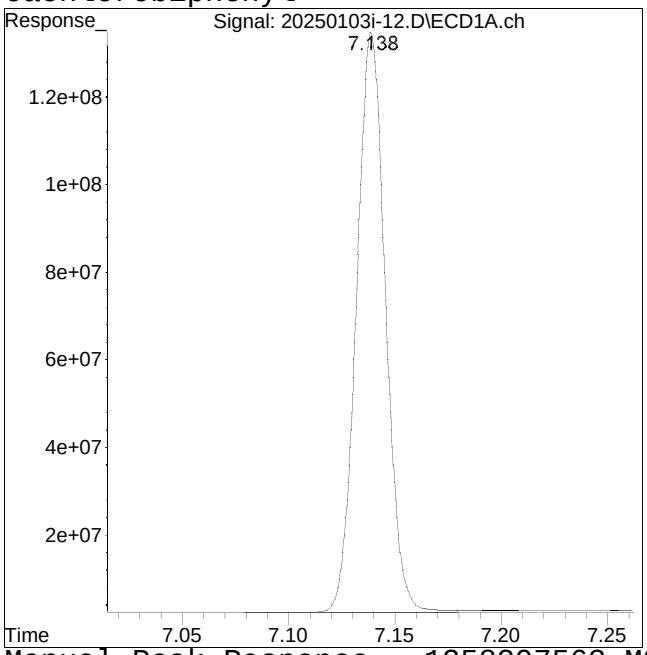
Original Peak Response = 2556573014 Manual Peak Response = 2489485295 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-12.D
Date Inj'd : 1/3/2025 13:56
Sample : il11pest,42e,,pp 11941 L0
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:40 am

Compound #27: Decachlorobiphenyl





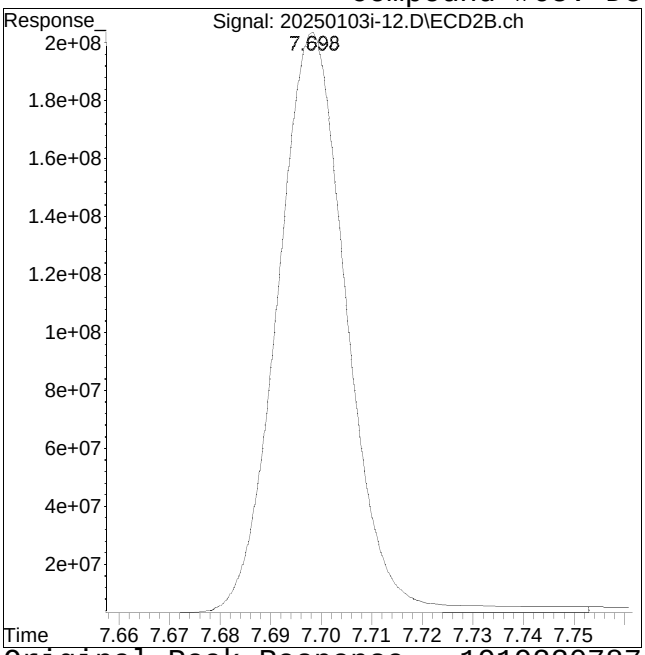
Original Peak Response = 1276273387 Manual Peak Response = 1258297563 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

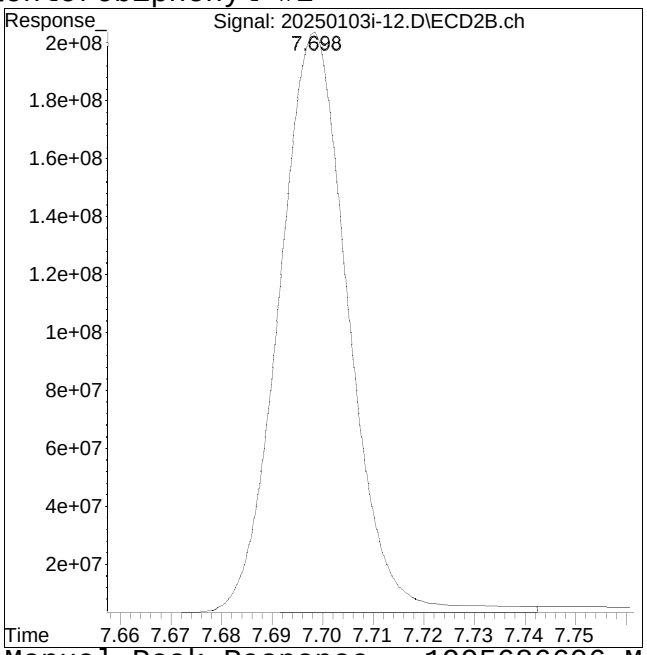
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-12.D
Date Inj'd : 1/3/2025 13:56
Sample : il11pest,42e,,pp 11941 L0.

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 9:40 am

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 1919220787 Manual Peak Response = 1905686606 M4
M4 = Poor automated baseline construction.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-13.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 03 Jan 2025 14:08
Operator : pest20:ejl
Sample   : cicvpest,42e,,pp 11934 L0.05ICV
Misc   : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 13   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 11:51:45 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 11:51:44 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	98	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.173	1.181	-0.7	103	0.00
3		Hexachlorobenzene		1.275	1.236	3.1	105	0.00
4		alpha-BHC		1.456	1.551	-6.5	104	0.00
5		gamma-BHC (lindane)		1.399	1.393	0.4	103	0.00
6		beta-BHC		0.673	0.632	6.1	102	0.00
7		delta-BHC		1.367	1.411	-3.2	103	0.00
8		Heptachlor		1.361	1.386	-1.8	106	0.00
9		Aldrin		1.290	1.362	-5.6	107	0.00
10		Alachlor		0.231	0.220	4.8	102	0.00
11		Chlorpyrifos	*	50.000	58.885	-17.8	107	0.00
12		Heptachlor Epoxide		1.249	1.270	-1.7	106	0.00
13		gamma-Chlordane (trans)		1.140	1.290	-13.2	118	0.00
14		alpha-Chlordane (cis)		1.300	1.296	0.3	104	0.00
15		4,4'-DDE		1.256	1.310	-4.3	104	0.00
16		Endosulfan I		1.202	1.196	0.5	104	0.00
17		Dieldrin		1.238	1.359	-9.8	112	0.00
18		Endrin		1.270	1.297	-2.1	104	0.00
19		4,4'-DDD		1.010	1.113	-10.2	111	0.00
20		Endosulfan II		1.112	1.142	-2.7	107	0.00
21		4,4'-DDT		1.094	1.134	-3.7	104	0.00
22		Endrin Aldehyde	*	50.000	49.691	0.6	92	0.00
23		Methoxychlor		0.632	0.657	-4.0	108	0.00
24		Mirex	*	50.000	57.203	-14.4	104	0.00
25		Endosulfan Sulfate		1.066	1.091	-2.3	109	0.00
26		Endrin Ketone		1.216	1.319	-8.5	113	0.00
27	s	Decachlorobiphenyl	*	50.000	59.259	-18.5	108	0.00

Signal #2

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-13.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 03 Jan 2025 14:08
Operator : pest20:ejl
Sample   : cicvpest,42e,,pp 11934 L0.05ICV
Misc   : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 13   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 11:51:45 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 11:51:44 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	98	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl		1.114	1.151	-3.3	104	0.00
3		Hexachlorobenzene		1.189	1.197	-0.7	106	0.00
4		alpha-BHC		1.411	1.545	-9.5	104	0.00
5		gamma-BHC (lindane)		1.343	1.394	-3.8	103	0.00
6		beta-BHC		0.637	0.622	2.4	101	0.00
7		delta-BHC		1.307	1.400	-7.1	103	0.00
8		Heptachlor		1.281	1.351	-5.5	106	0.00
9		Aldrin		1.197	1.317	-10.0	107	0.00
10		Alachlor		0.192	0.194	-1.0	102	0.00
11		Chlorpyrifos		0.634	0.628	0.9	106	0.00
12		Heptachlor Epoxide		1.164	1.237	-6.3	106	0.00
13		gamma-Chlordane (trans)		1.060	1.253	-18.2	118	0.00
14		alpha-Chlordane (cis)		1.191	1.237	-3.9	105	0.00
15		4,4'-DDE		1.107	1.204	-8.8	104	0.00
16		Endosulfan I		1.116	1.162	-4.1	104	0.00
17		Dieldrin		1.141	1.318	-15.5	113	0.00
18		Endrin		1.205	1.253	-4.0	104	0.00
19		4,4'-DDD		0.878	1.017	-15.8	111	0.00
20		Endosulfan II		1.033	1.111	-7.6	107	0.00
21		4,4'-DDT		1.032	1.099	-6.5	104	0.00
22		Endrin Aldehyde		0.816	0.800	2.0	93	0.00
23		Methoxychlor		0.555	0.607	-9.4	109	0.00
24		Mirex		0.915	0.912	0.3	104	0.00
25		Endosulfan Sulfate		0.983	1.053	-7.1	109	0.00
26		Endrin Ketone		1.125	1.271	-13.0	113	0.00
27	s	Decachlorobiphenyl		0.927	0.931	-0.4	104	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-13.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 03 Jan 2025 14:08
Operator : pest20:ejl
Sample   : cicvpest,42e,,pp 11934 L0.05ICV
Misc   : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 13   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 11:51:45 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 11:51:44 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.80#
29	l1	chlordane-1	*	0.046	0.000	100.0#	0#	-3.19#
30	l1	chlordane-3	*	0.059	0.000	100.0#	0#	-3.66#
31	l1	chlordane-4	*	0.197	0.000	100.0#	0#	-4.25#
32	l1	chlordane-5	*	0.306	0.000	100.0#	0#	-4.39#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.80#
34	l2	toxaphene-1		0.065	0.000	100.0#	0#	-5.30#
35	l2	toxaphene-2		0.038	0.000	100.0#	0#	-5.83#
36	l2	toxaphene-4		0.055	0.000	100.0#	0#	-5.93#
37	l2	toxaphene-5		0.046	0.000	100.0#	0#	-6.01#

Signal #2

28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.85#
29	l1	chlordane-1	*	0.042	0.000	100.0#	0#	-3.49#
30	l1	chlordane-3	*	0.049	0.000	100.0#	0#	-4.13#
31	l1	chlordane-4	*	0.167	0.000	100.0#	0#	-4.83#
32	l1	chlordane-5	*	0.136	0.000	100.0#	0#	-5.00#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.85#
34	l2	toxaphene-1		0.024	0.000	100.0#	0#	-5.82#
35	l2	toxaphene-2		0.036	0.000	100.0#	0#	-5.84#
36	l2	toxaphene-4		0.042	0.000	100.0#	0#	-6.16#
37	l2	toxaphene-5		0.040	0.000	100.0#	0#	-6.57#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-13.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 14:08
Operator : pest20:ejl
Sample : cicvpest,42e,,pp 11934 L0.05ICV
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 11:51:45 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 11:51:44 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.802	1.853	81703500	150.7E6	25.000M3	25.000M3
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.260	2.435	192.9E6	347.1E6	50.326M3	51.675
	Spiked Amount 50.000	Range 30 - 150		Recovery =		100.65%	103.35%
27) s	Decachlorobi	7.138	7.697	189.0E6	280.8E6	59.259M3	50.239M3
	Spiked Amount 50.000	Range 30 - 150		Recovery =		118.52%	100.48%
	Target Compounds						
3)	Hexachlorobe	2.518	2.795	202.0E6	360.8E6	48.493M3	50.344M3
4)	alpha-BHC	2.637	2.903	253.4E6	465.7E6	53.244M3	54.752
5)	gamma-BHC (l	2.871	3.213	227.7E6	420.2E6	49.781M3	51.912
6)	beta-BHC	2.939	3.289	103.3E6	187.6E6	47.002M3	48.842M3
7)	delta-BHC	3.083	3.571	230.6E6	422.0E6	51.590	53.571
8)	Heptachlor	3.262	3.631	226.4E6	407.3E6	50.914M3	52.739
9)	Aldrin	3.529	3.964	222.5E6	397.0E6	52.790M4	55.025
10)	Alachlor	3.672	3.854	35971419	58570680	47.547	50.537
11)	Chlorpyrifos	3.772	4.223	104.0E6	189.2E6	58.885	49.479
12)	Heptachlor E	4.122	4.605	207.5E6	373.0E6	50.839M3	53.146
13)	gamma-Chlord	4.255	4.833	210.8E6	377.8E6	56.568M3	59.105

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-13.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 14:08
Operator : pest20:ejl
Sample : cicvpest,42e,,pp 11934 L0.05ICV
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 11:51:45 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 11:51:44 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
14)	alpha-Chlord	4.398	5.003	211.7E6	372.9E6	49.817	51.913
15)	4,4'-DDE	4.505	5.205	214.1E6	363.0E6	52.166	54.395M4
16)	Endosulfan I	4.542	5.063	195.4E6	350.3E6	49.739M3	52.041
17)	Dieldrin	4.818	5.356	222.0E6	397.3E6	54.861M3	57.734M4
18)	Endrin	5.071	5.654	211.9E6	377.7E6	51.036M3	51.972M4
19)	4,4'-DDD	5.180	5.782	181.9E6	306.7E6	55.090M4	57.969M4
20)	Endosulfan I	5.306	5.856	186.7E6	334.9E6	51.369M4	53.747M4
21)	4,4'-DDT	5.465	6.059	185.4E6	331.3E6	51.833M3	53.262M4
22)	Endrin Aldeh	5.717	6.154	137.9E6	241.2E6	49.691M3	49.022M4
23)	Methoxychlor	5.945	6.630	107.4E6	183.1E6	51.965M3	54.706M3
24)	Mirex	6.005	6.764	164.7E6	274.9E6	57.203M3	49.832
25)	Endosulfan S	6.106	6.385	178.3E6	317.3E6	51.201M3	53.562M4
26)	Endrin Keton	6.333	6.801	215.5E6	383.2E6	54.215M3	56.473
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-13.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 14:08
Operator : pest20:ejl
Sample : cicvpest,42e,,pp 11934 L0.05ICV
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 11:51:45 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 11:51:44 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

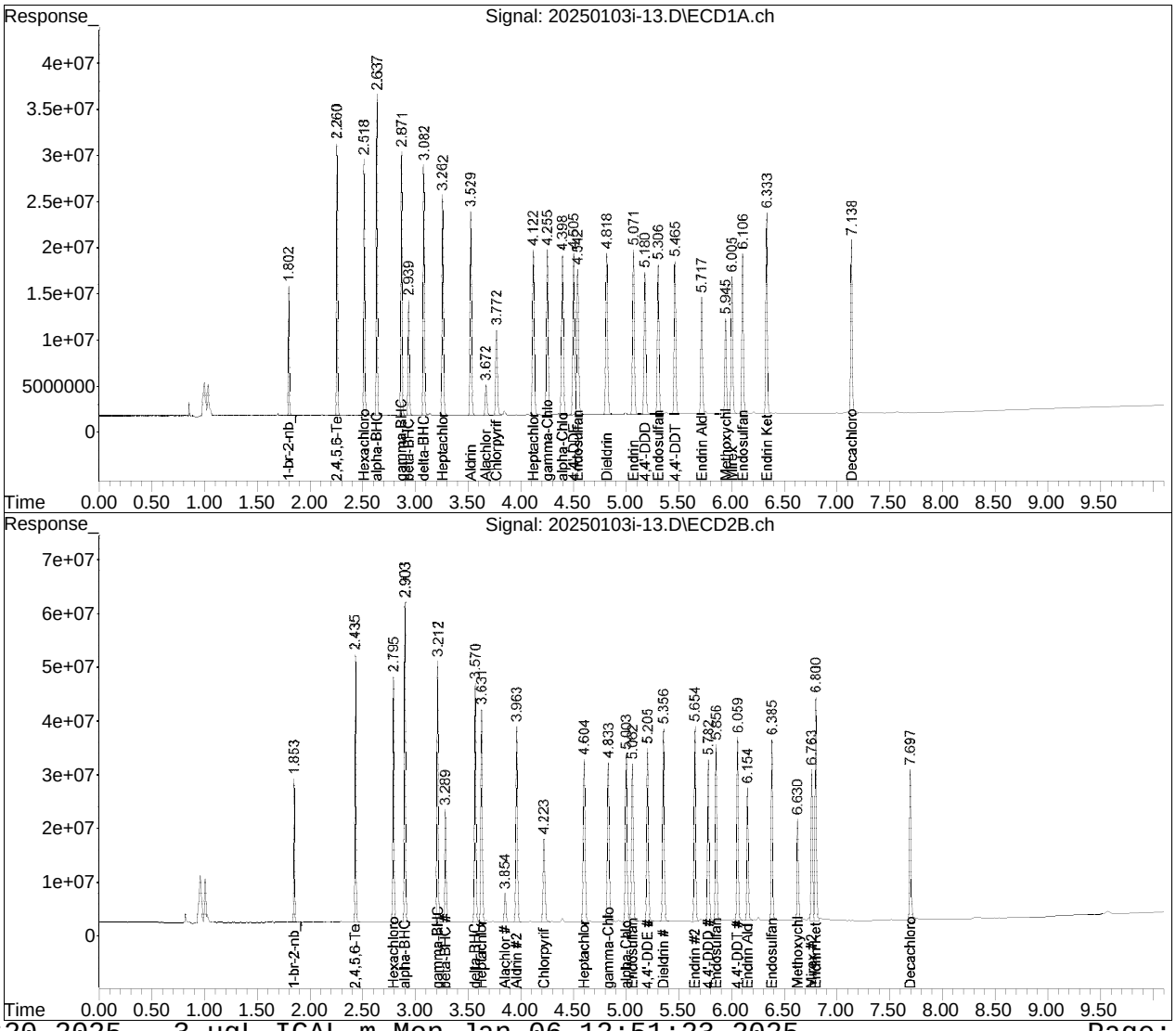
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-13.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 14:08
Operator : pest20:ejl
Sample : cicvpest,42e,,pp 11934 L0.05ICV
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 11:51:45 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 11:51:44 2025
Response via : Initial Calibration
Integrator: ChemStation

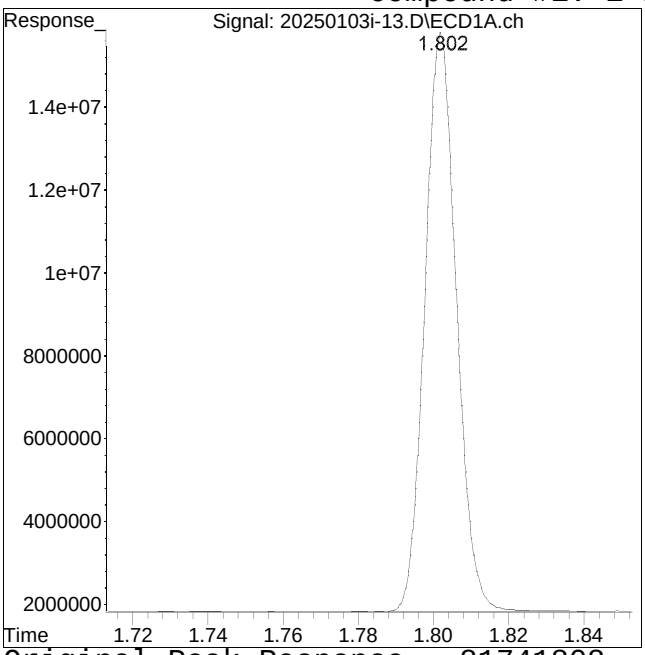
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

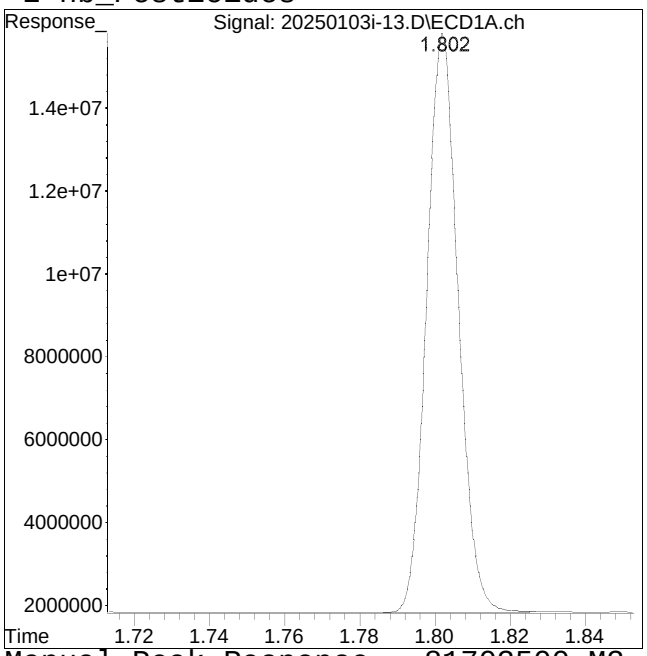


Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-13.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 14:08 Instrument : PEST 20
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/6/2025 11:51 am

Compound #1: 1-br-2-nb_Pesticides



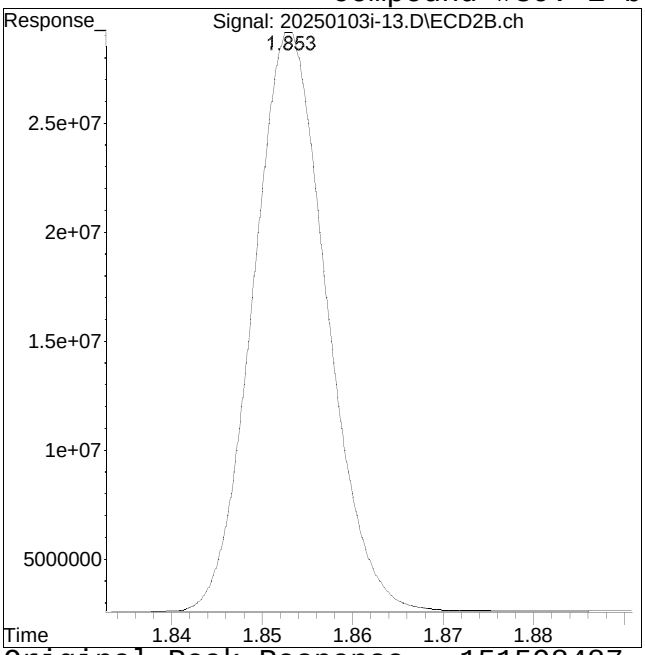


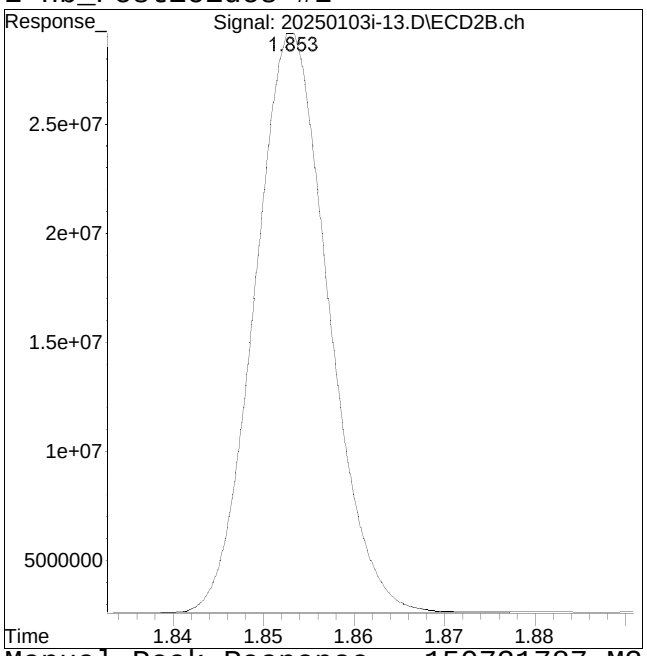
Original Peak Response = 81741808 Manual Peak Response = 81703500 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-13.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 14:08 Instrument : PEST 20
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/6/2025 11:51 am

Compound #39: 1-br-2-nb_Pesticides #2



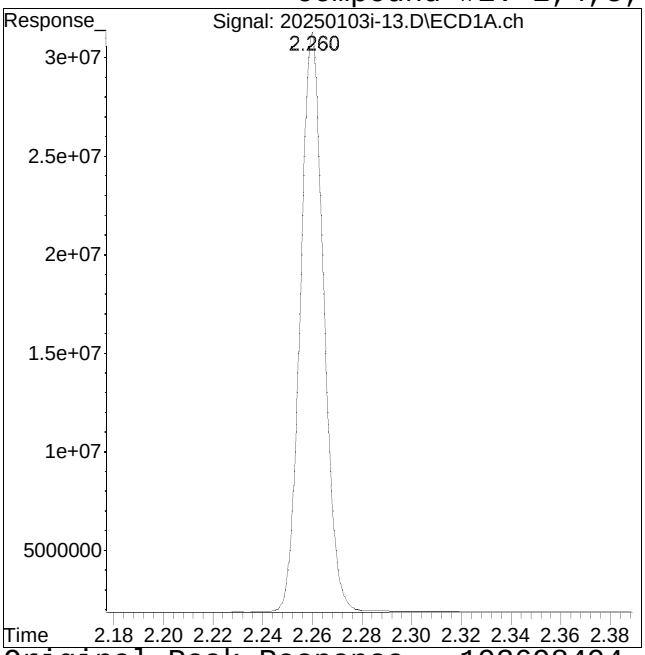


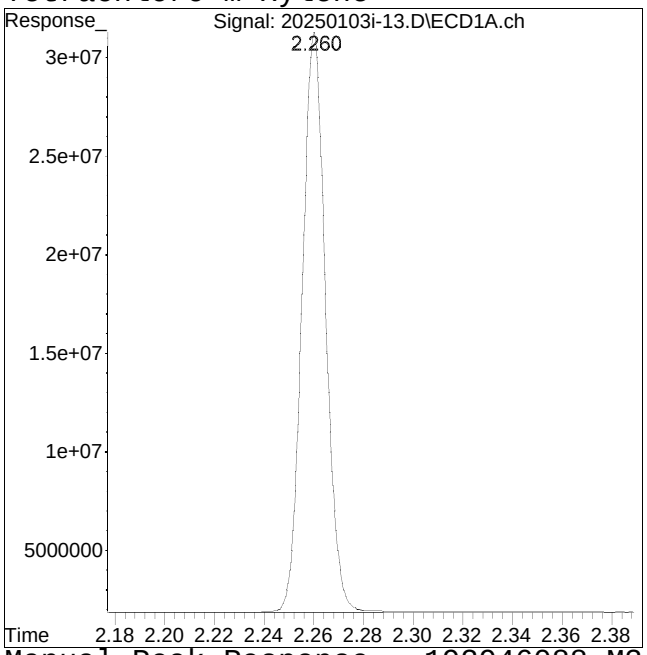
Original Peak Response = 151598487 Manual Peak Response = 150731787 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-13.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 14:08 Instrument : PEST 20
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/6/2025 11:51 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



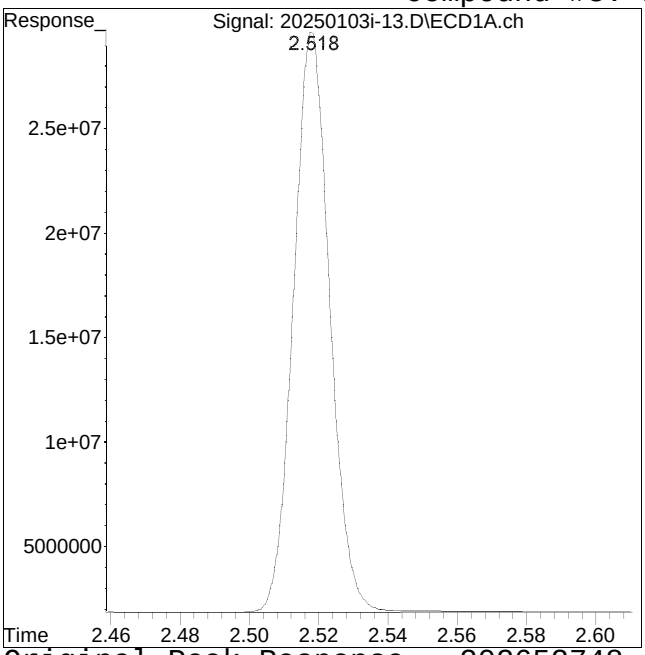


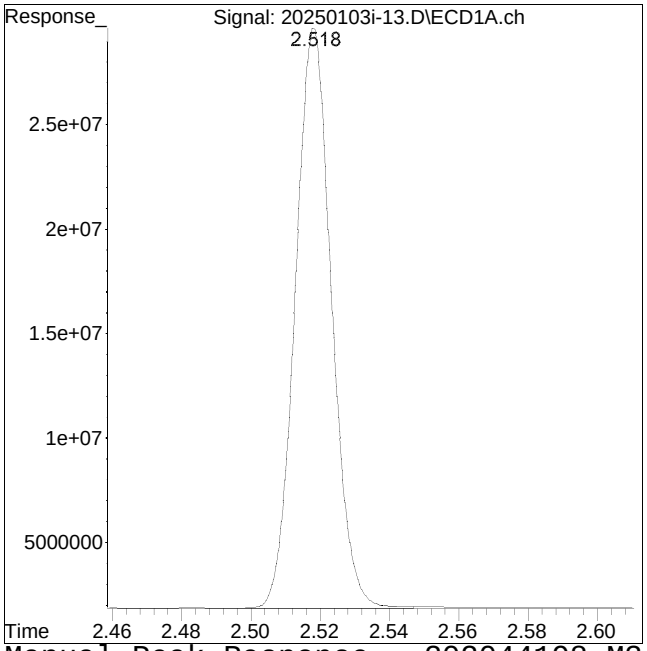
Original Peak Response = 193698494 Manual Peak Response = 192946088 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-13.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 14:08 Instrument : PEST 20
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/6/2025 11:51 am

Compound #3: Hexachlorobenzene



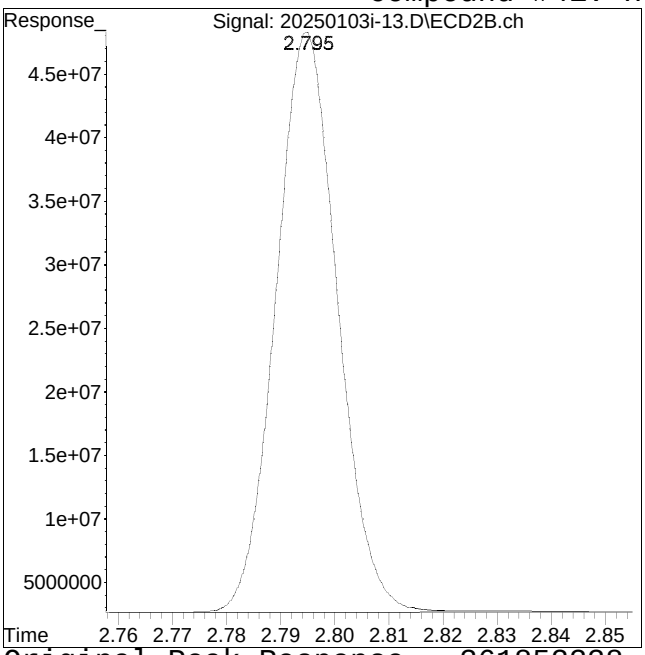


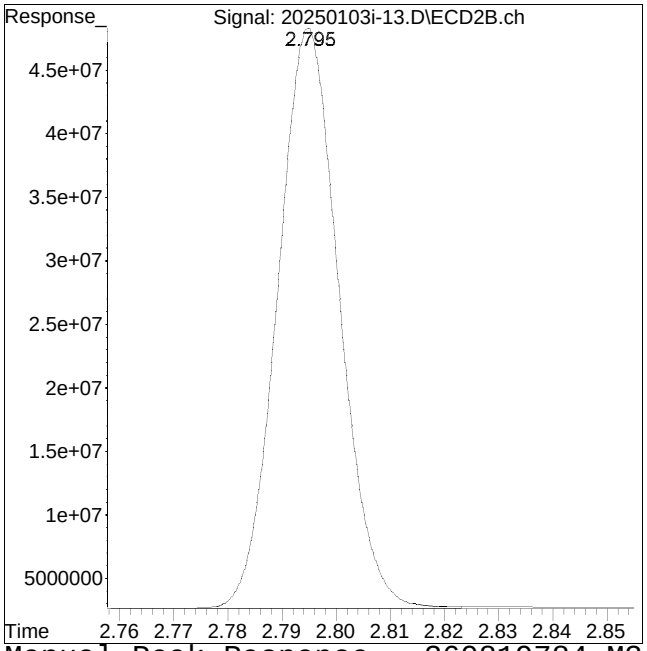
Original Peak Response = 202652748 Manual Peak Response = 202044198 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-13.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 14:08 Instrument : PEST 20
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/6/2025 11:51 am

Compound #41: Hexachlorobenzene #2



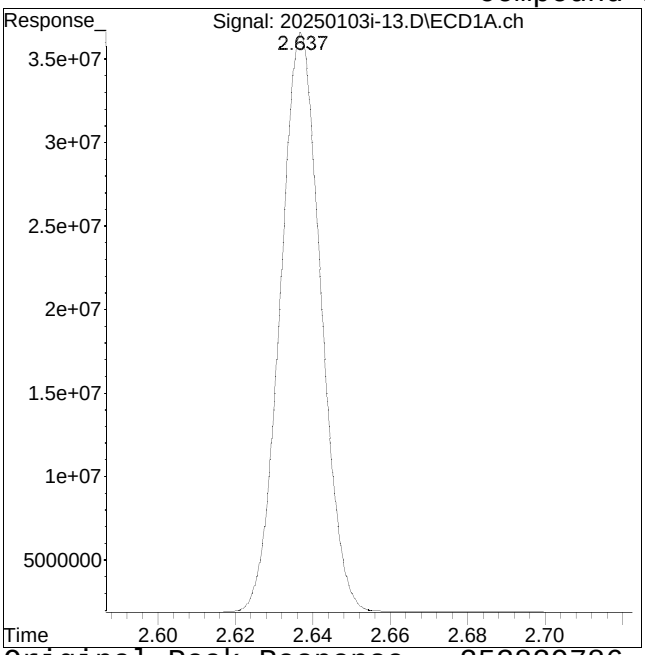


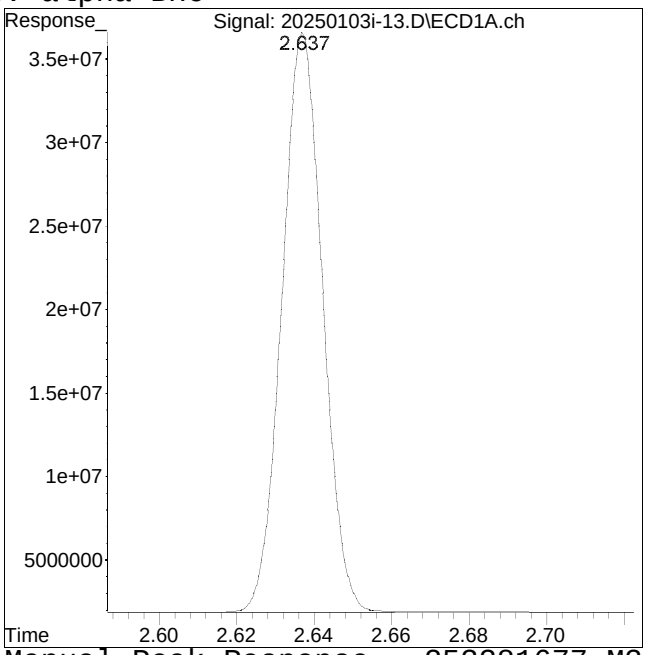
Original Peak Response = 361852338 Manual Peak Response = 360819784 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-13.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 14:08 Instrument : PEST 20
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/6/2025 11:51 am

Compound #4: alpha-BHC



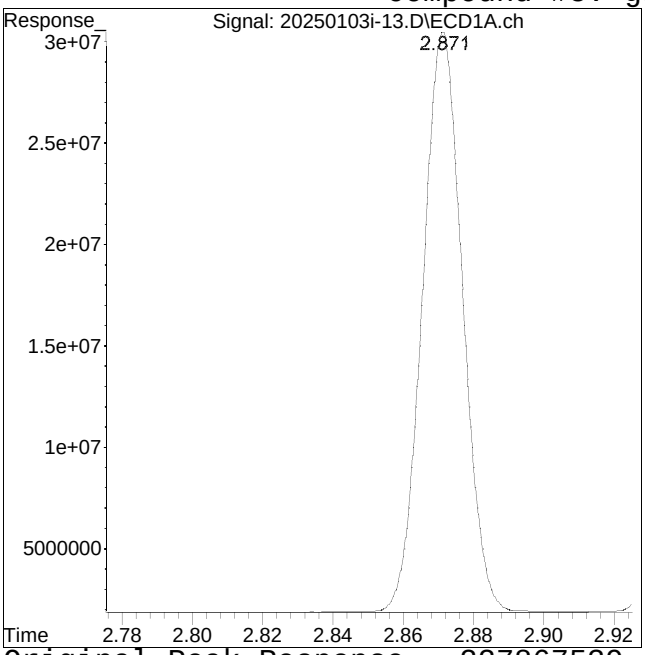


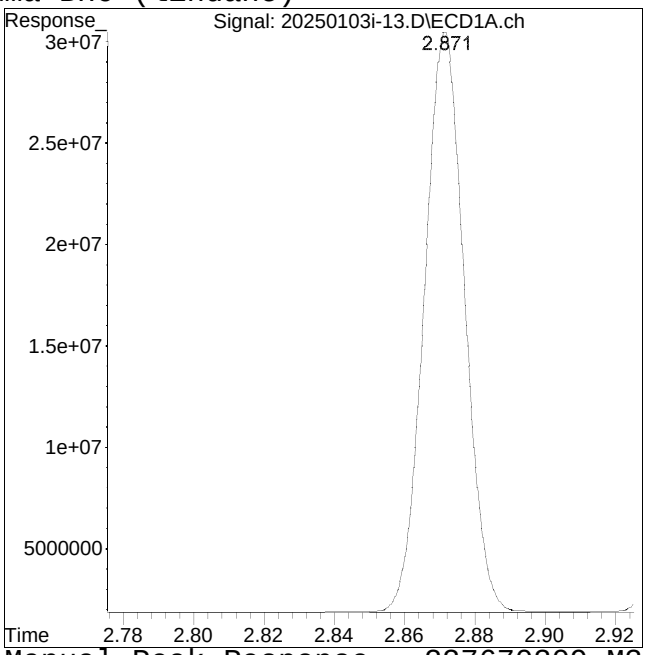
Original Peak Response = 253839786 Manual Peak Response = 253381677 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-13.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 14:08 Instrument : PEST 20
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/6/2025 11:51 am

Compound #5: gamma-BHC (lindane)



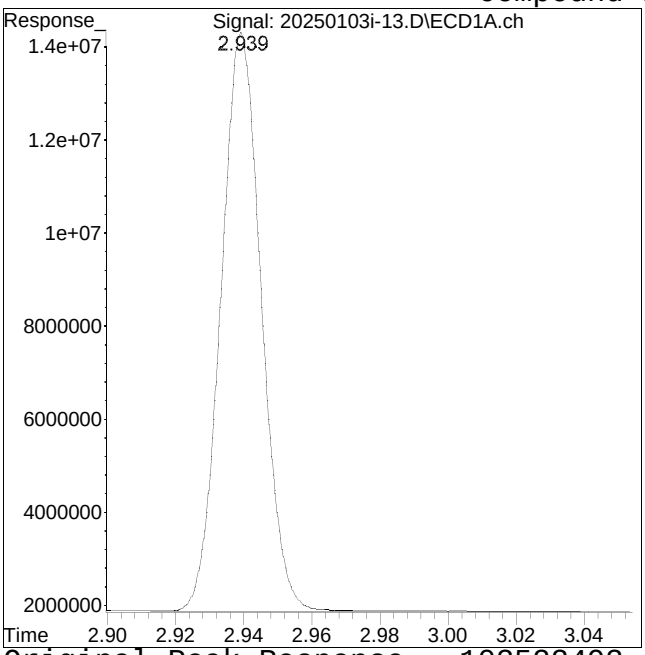


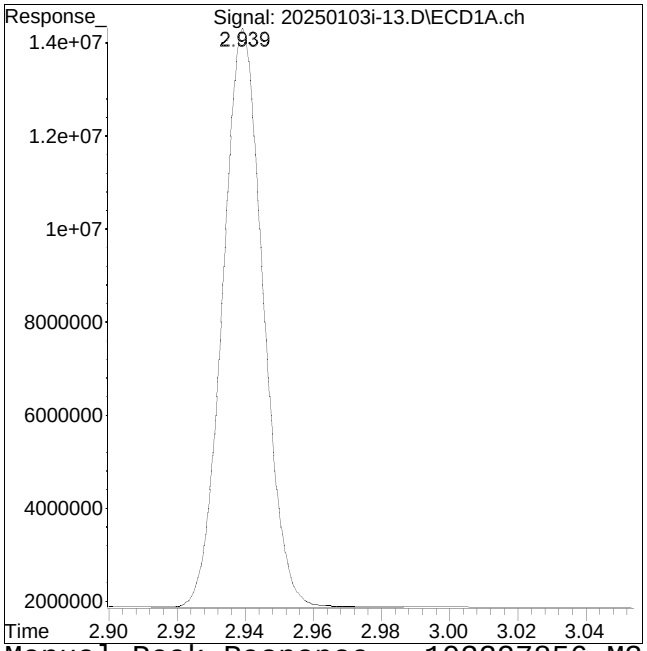
Original Peak Response = 227867539 Manual Peak Response = 227670309 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-13.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 14:08 Instrument : PEST 20
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/6/2025 11:51 am

Compound #6: beta-BHC



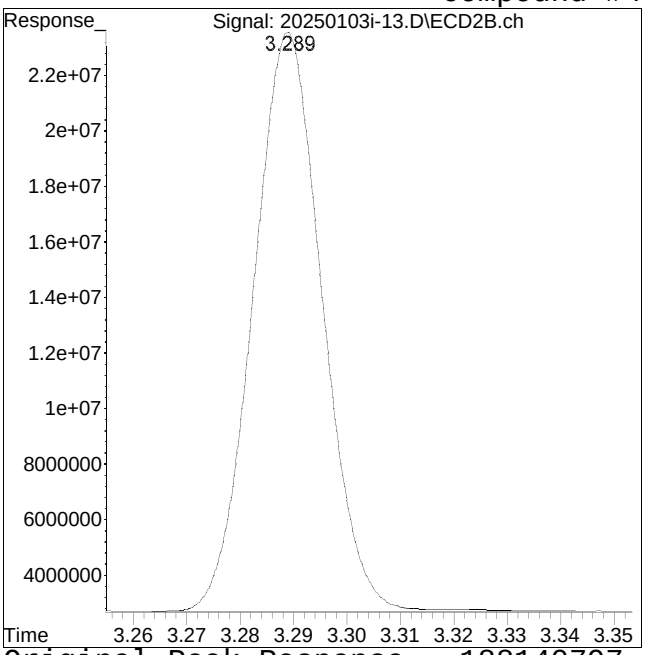


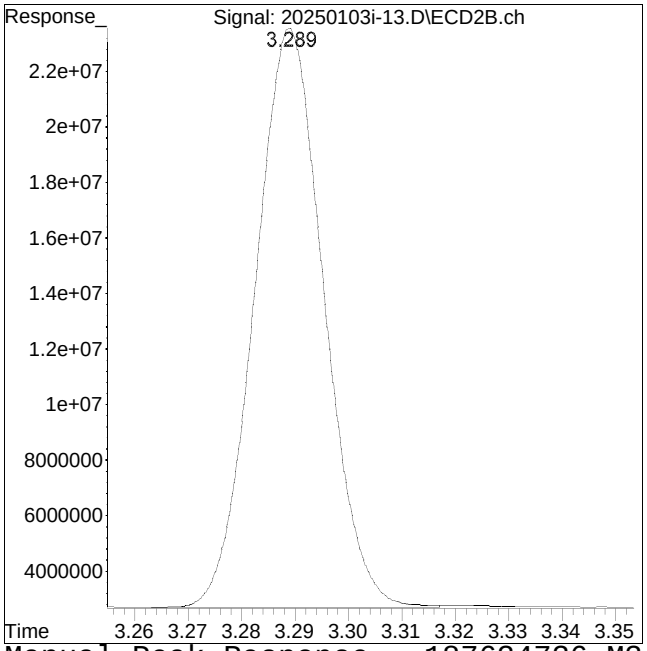
Original Peak Response = 103522493 Manual Peak Response = 103327856 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-13.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 14:08 Instrument : PEST 20
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/6/2025 11:51 am

Compound #44: beta-BHC #2



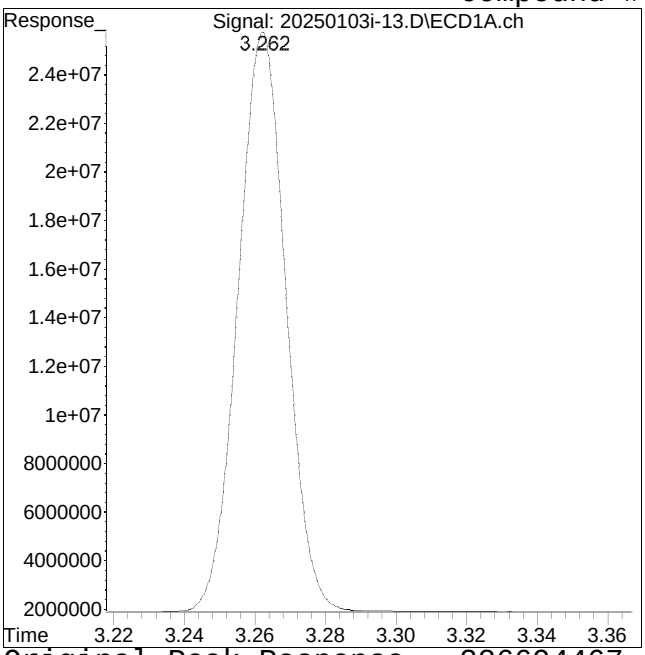


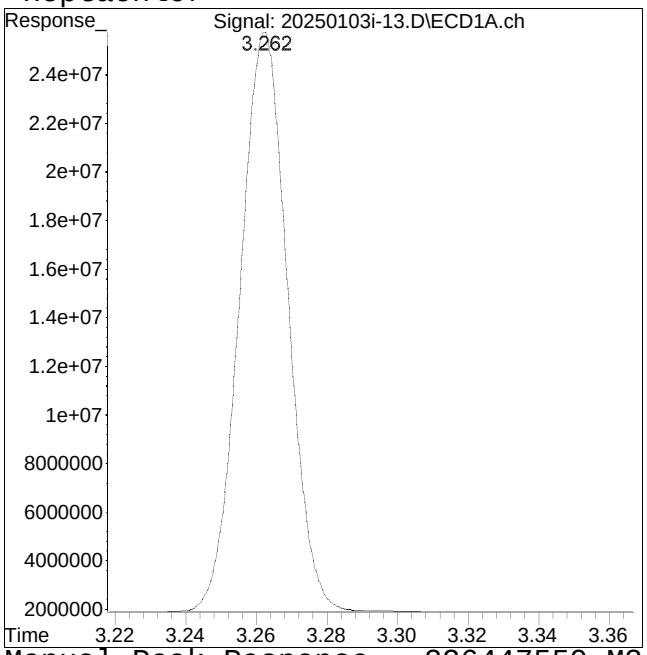
Original Peak Response = 188140797 Manual Peak Response = 187634736 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-13.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 14:08 Instrument : PEST 20
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/6/2025 11:51 am

Compound #8: Heptachlor



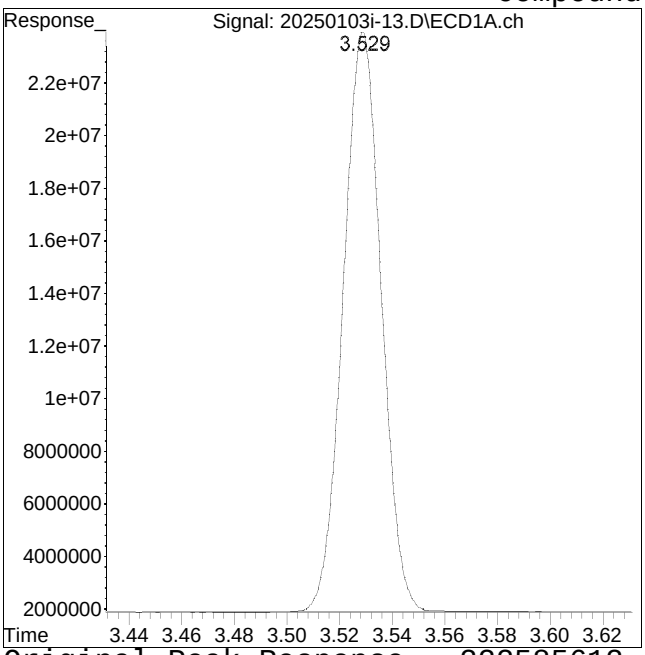


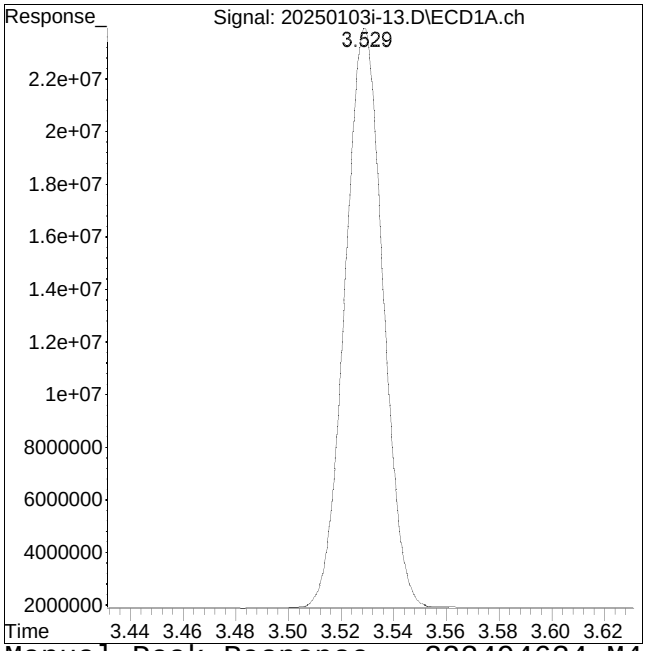
Original Peak Response = 226694467 Manual Peak Response = 226447559 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-13.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 14:08 Instrument : PEST 20
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/6/2025 11:51 am

Compound #9: Aldrin



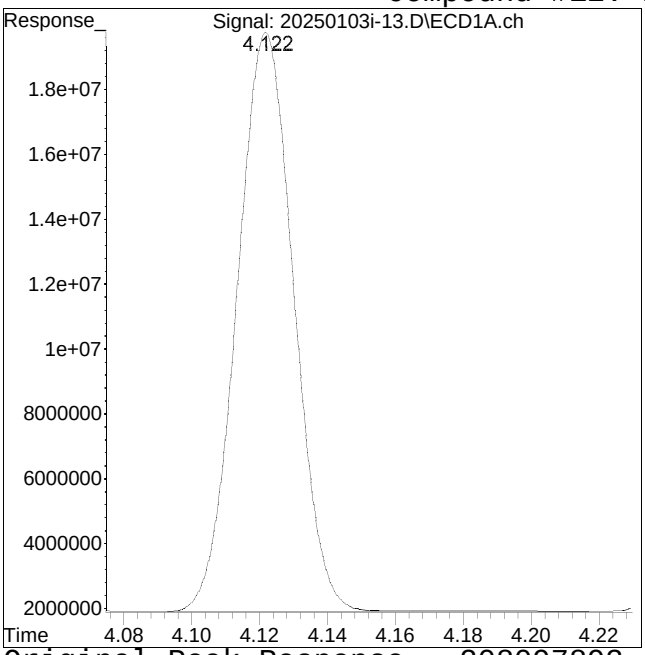


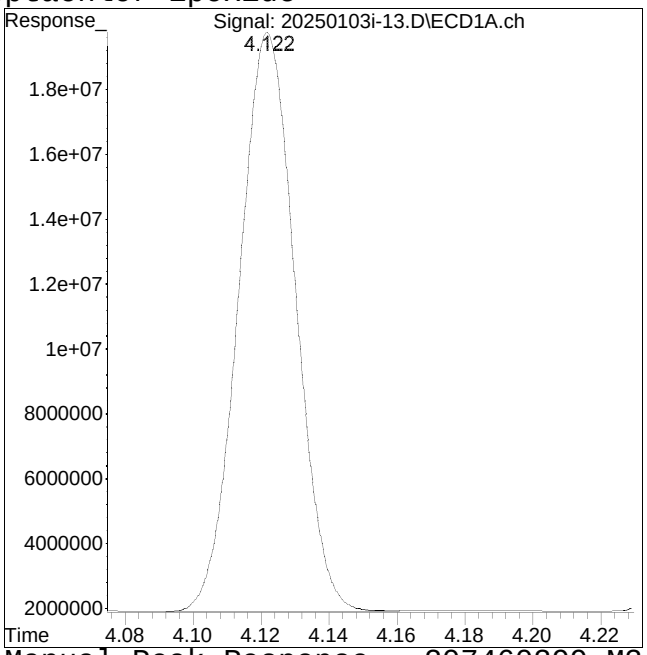
Original Peak Response = 222585612 Manual Peak Response = 222494634 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-13.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 14:08 Instrument : PEST 20
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/6/2025 11:51 am

Compound #12: Heptachlor Epoxide





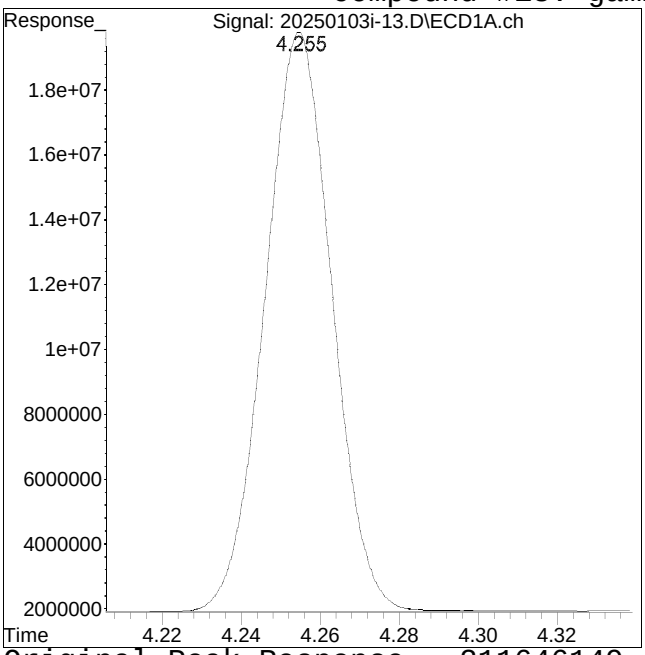
Original Peak Response = 208097893 Manual Peak Response = 207460399 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

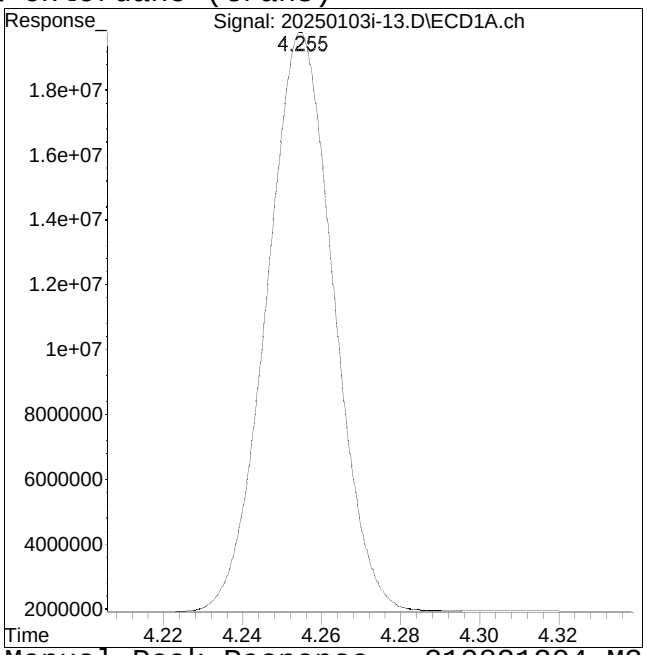
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-13.D
Date Inj'd : 1/3/2025 14:08
Sample : cicvpest,42e,,pp 11934 L0.

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:51 am

Compound #13: gamma-Chlordane (trans)





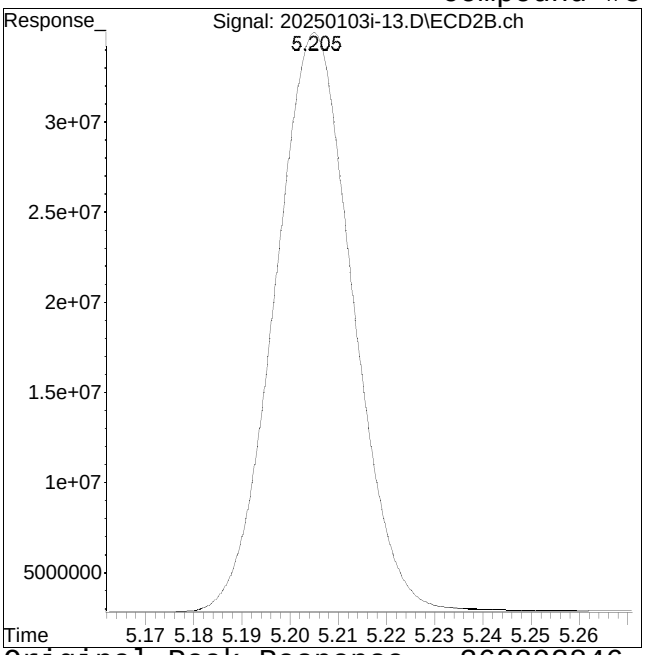
Original Peak Response = 211646149 Manual Peak Response = 210821204 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

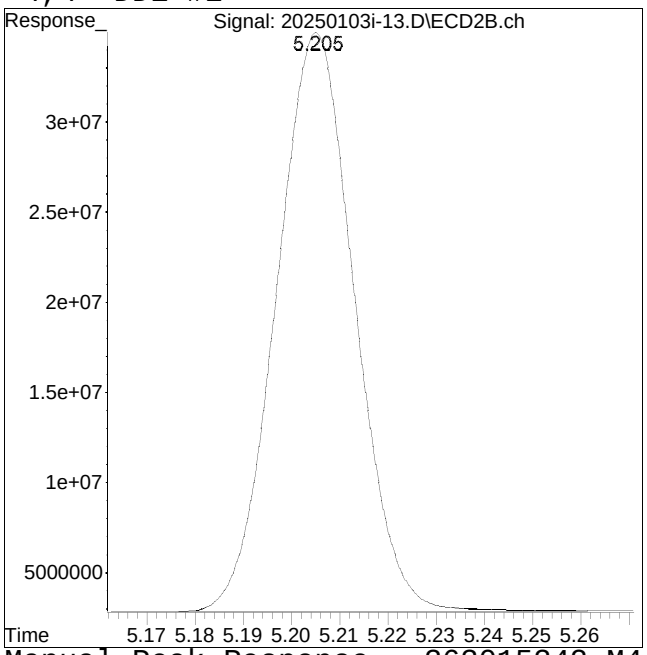
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-13.D
Date Inj'd : 1/3/2025 14:08
Sample : cicvpest,42e,,pp 11934 L0.
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:51 am

Compound #53: 4,4'-DDE #2



Original Peak Response = 362292846



Manual Peak Response = 363015342 M4

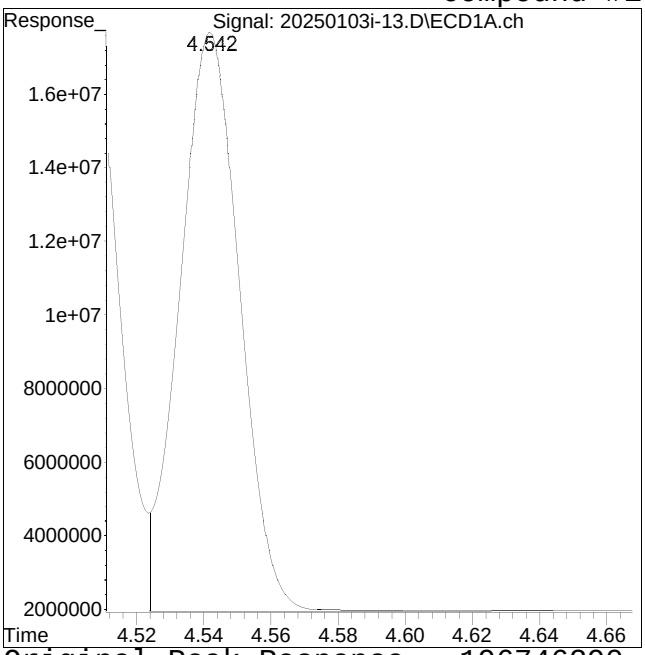
M4 = Poor automated baseline construction.

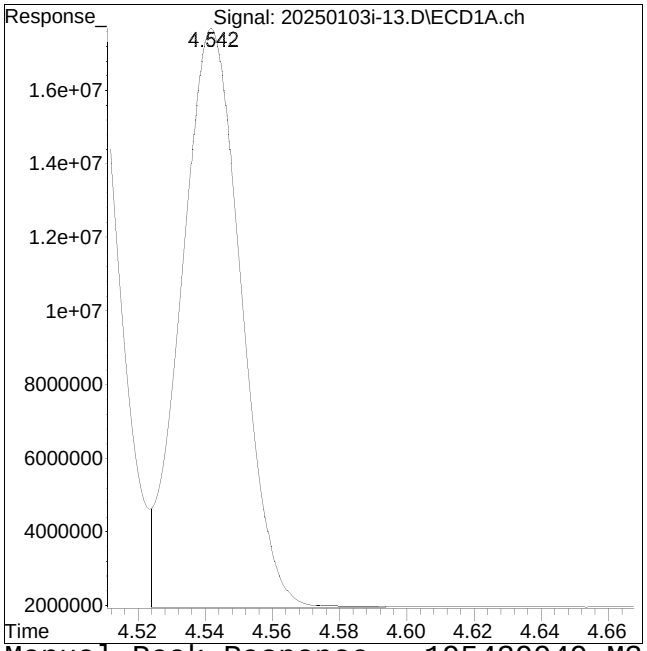
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-13.D
Date Inj'd : 1/3/2025 14:08
Sample : cicvpest,42e,,pp 11934 L0.

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:51 am

Compound #16: Endosulfan I





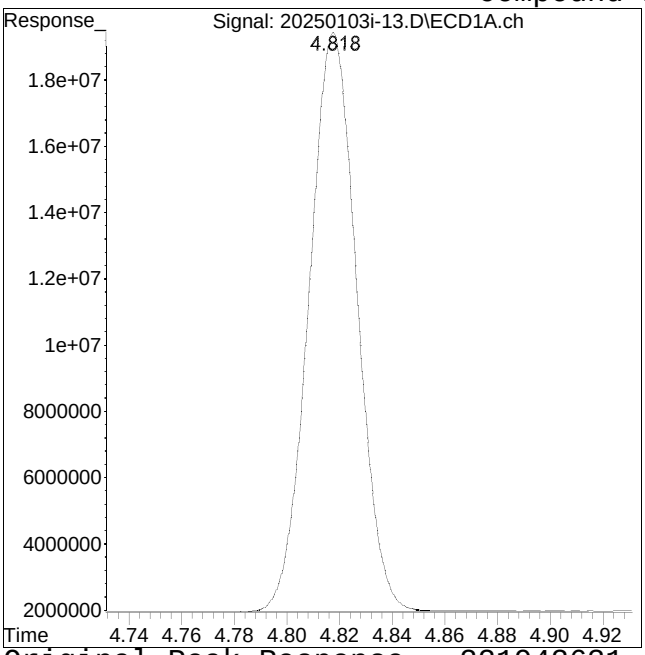
Original Peak Response = 196746290 Manual Peak Response = 195439949 M3

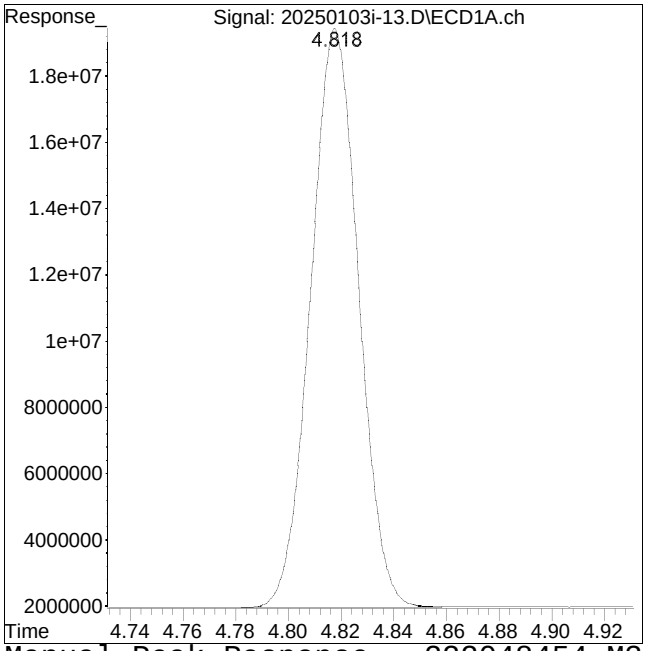
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-13.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 14:08 Instrument : PEST 20
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/6/2025 11:51 am

Compound #17: Dieldrin



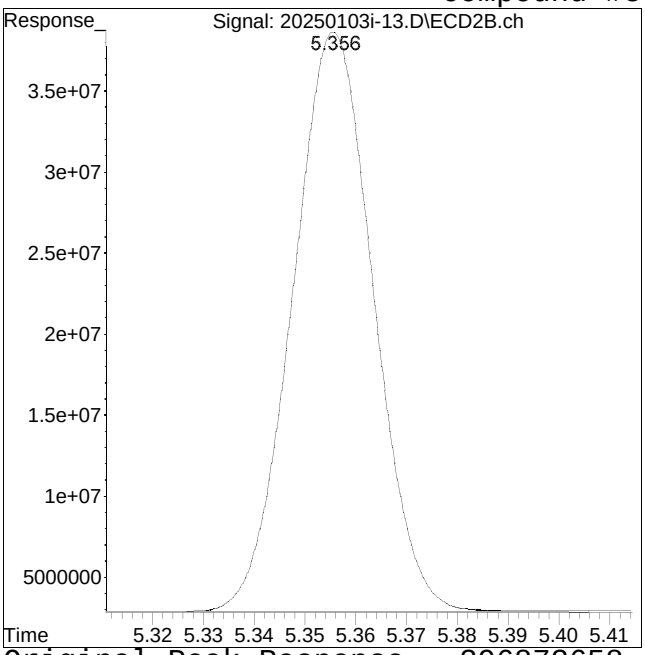


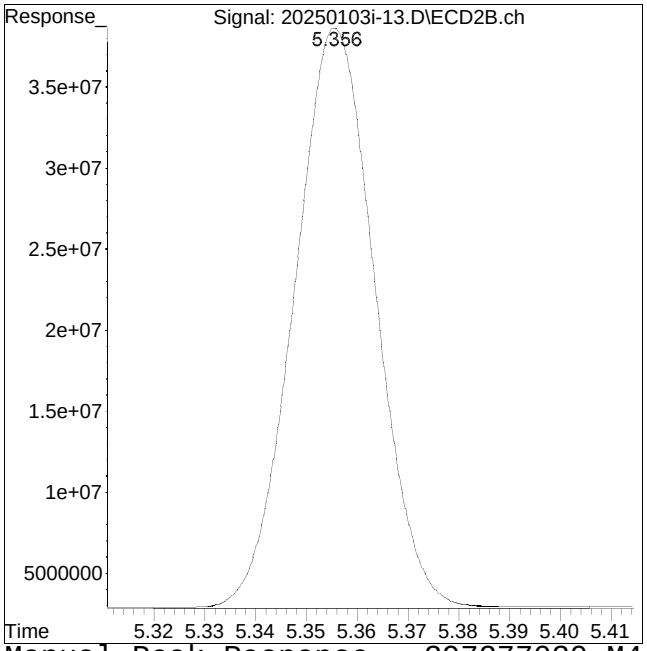
Original Peak Response = 221942631 Manual Peak Response = 222048454 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-13.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 14:08 Instrument : PEST 20
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/6/2025 11:51 am

Compound #55: Dieldrin #2



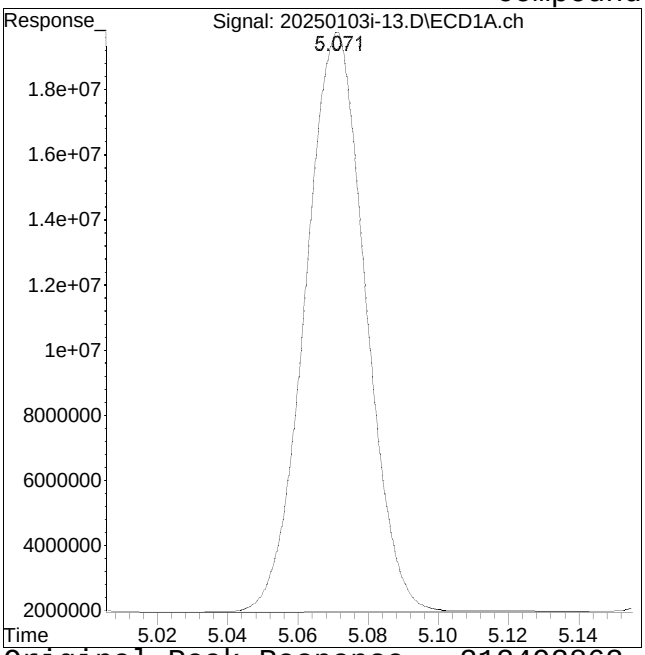


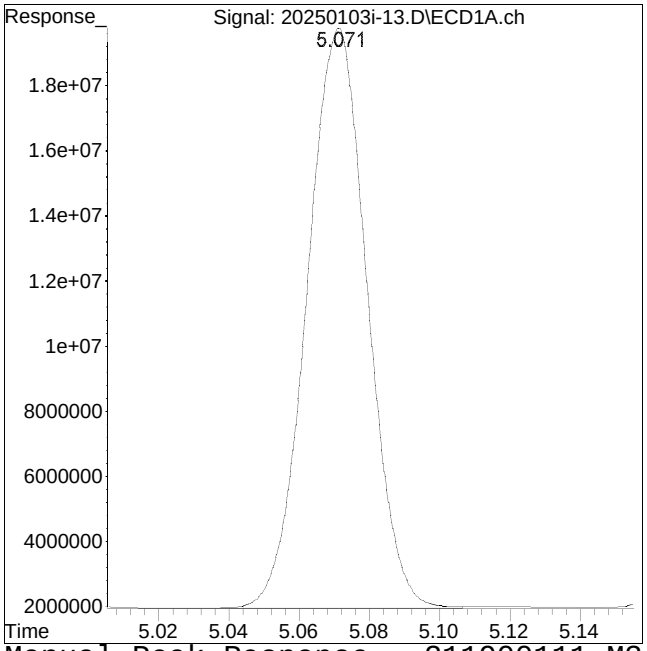
Original Peak Response = 396873658 Manual Peak Response = 397277030 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-13.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 14:08 Instrument : PEST 20
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/6/2025 11:51 am

Compound #18: Endrin





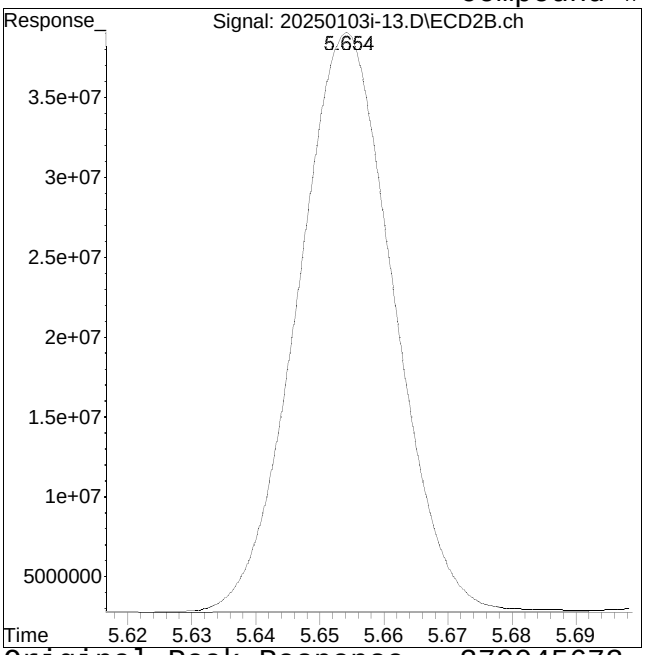
Original Peak Response = 212492863 Manual Peak Response = 211900111 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

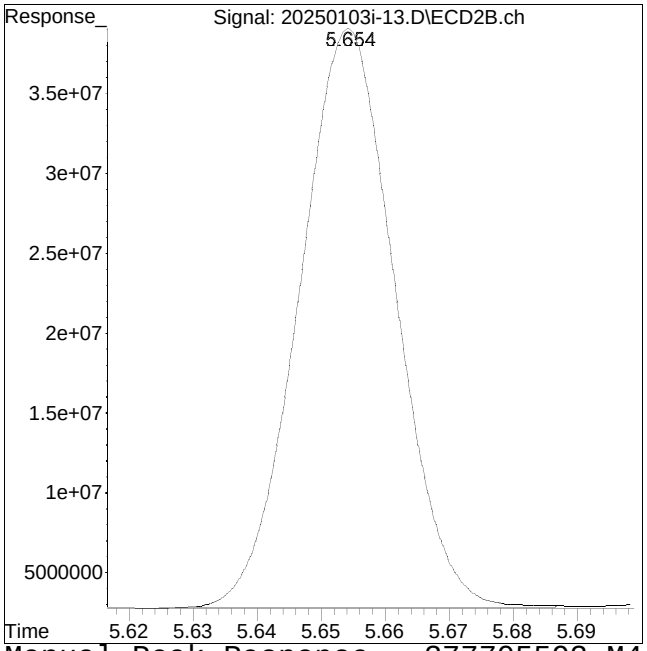
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-13.D
Date Inj'd : 1/3/2025 14:08
Sample : cicvpest,42e,,pp 11934 L0.

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:51 am

Compound #56: Endrin #2



Original Peak Response = 379045673



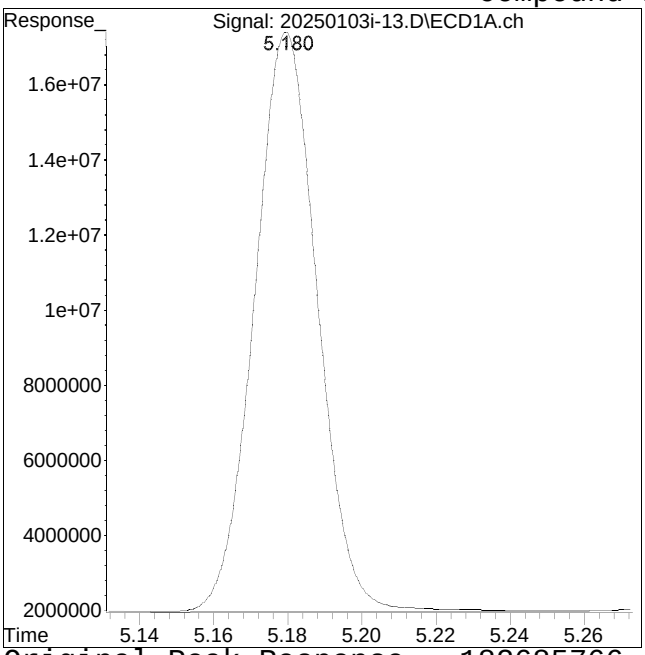
Manual Peak Response = 377705593 M4

M4 = Poor automated baseline construction.

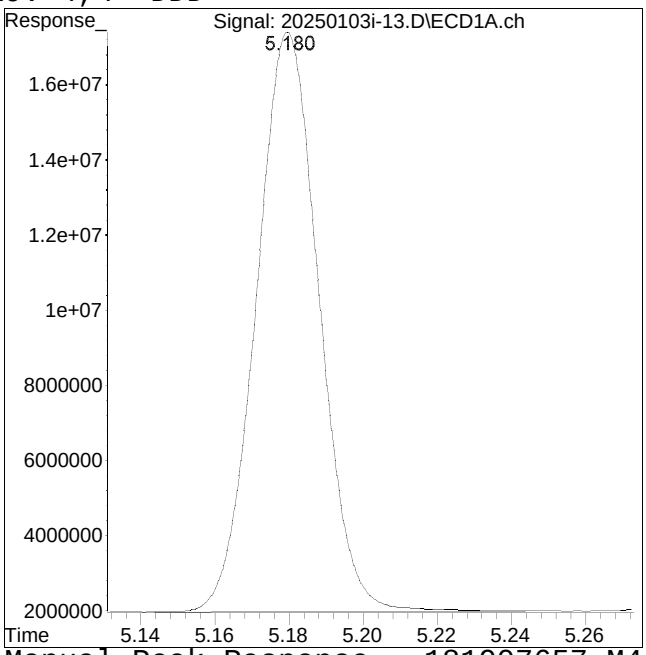
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-13.D
Date Inj'd : 1/3/2025 14:08
Sample : cicvpest,42e,,pp 11934 L0.
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:51 am

Compound #19: 4,4'-DDD



Original Peak Response = 182685766



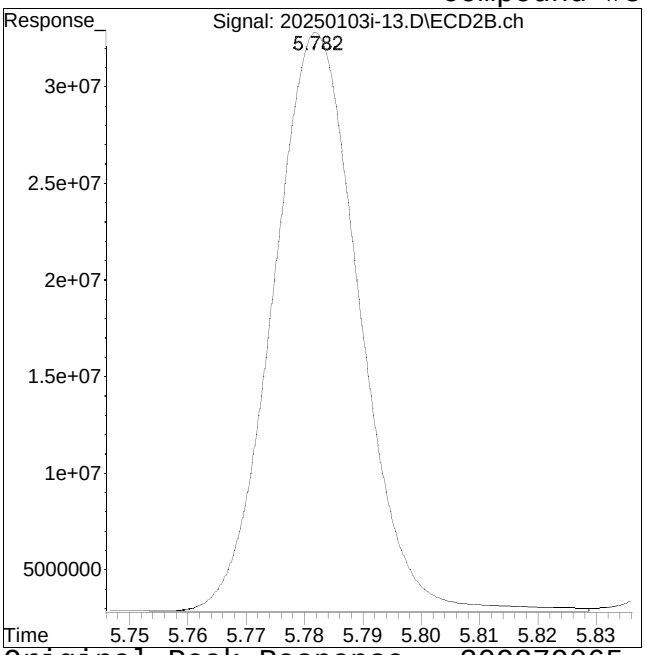
Manual Peak Response = 181907657 M4

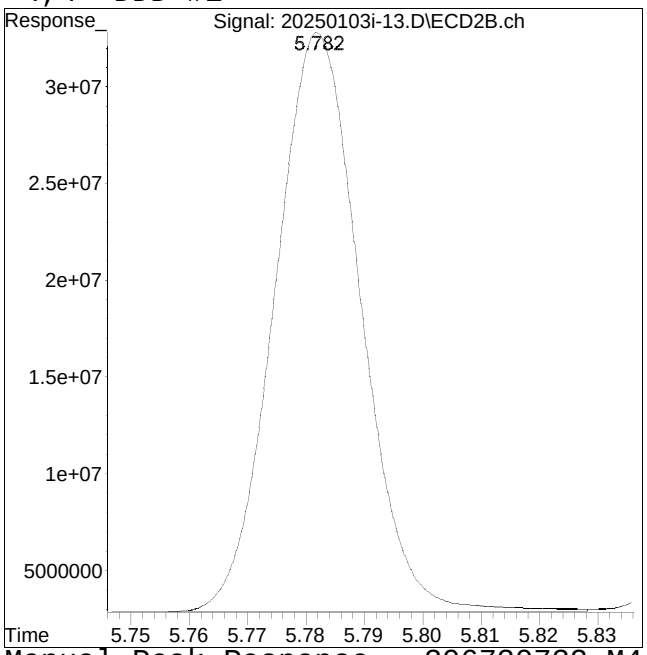
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-13.D
Date Inj'd : 1/3/2025 14:08
Sample : cicvpest,42e,,pp 11934 L0.
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:51 am

Compound #57: 4,4'-DDD #2



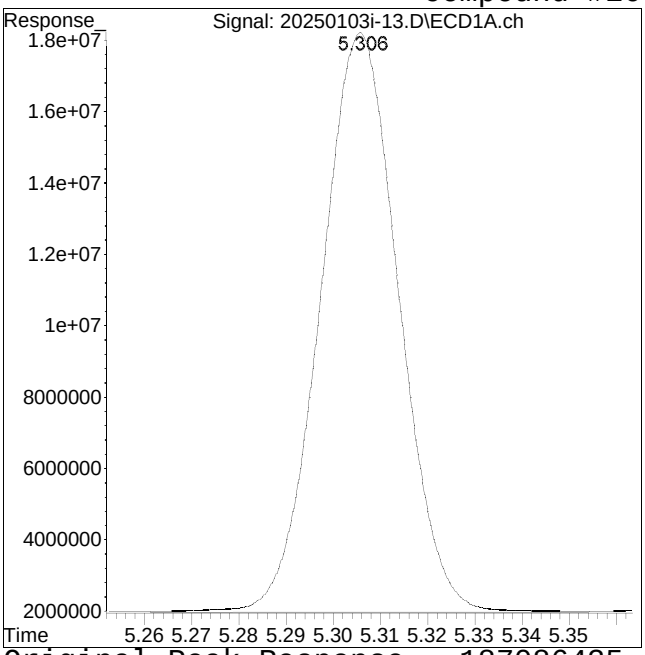


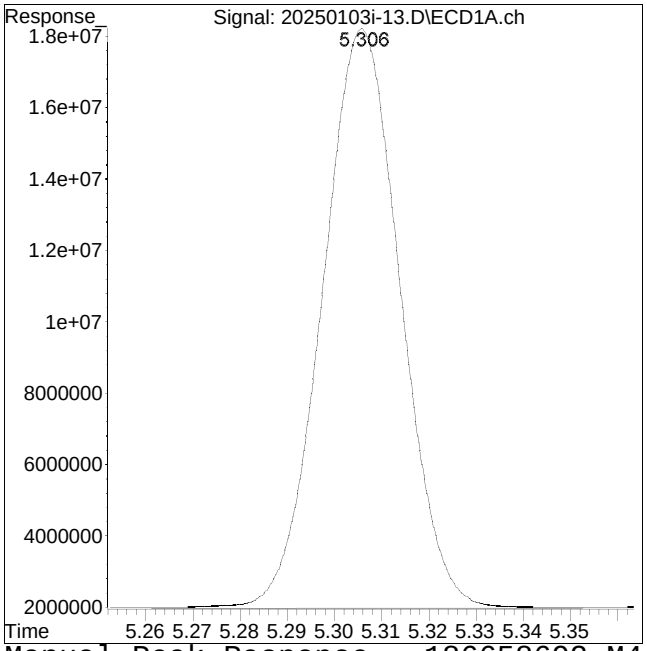
Original Peak Response = 309279065 Manual Peak Response = 306730732 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-13.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 14:08 Instrument : PEST 20
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/6/2025 11:51 am

Compound #20: Endosulfan II



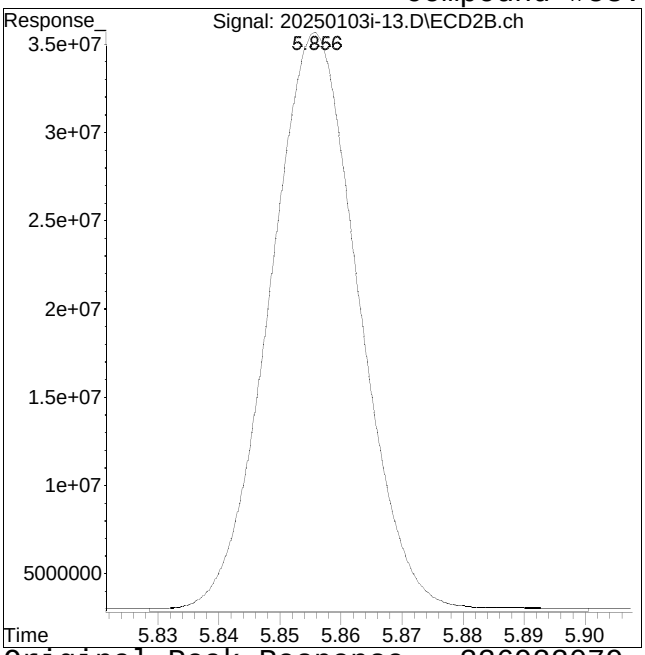


Original Peak Response = 187086435 Manual Peak Response = 186658692 M4
M4 = Poor automated baseline construction.

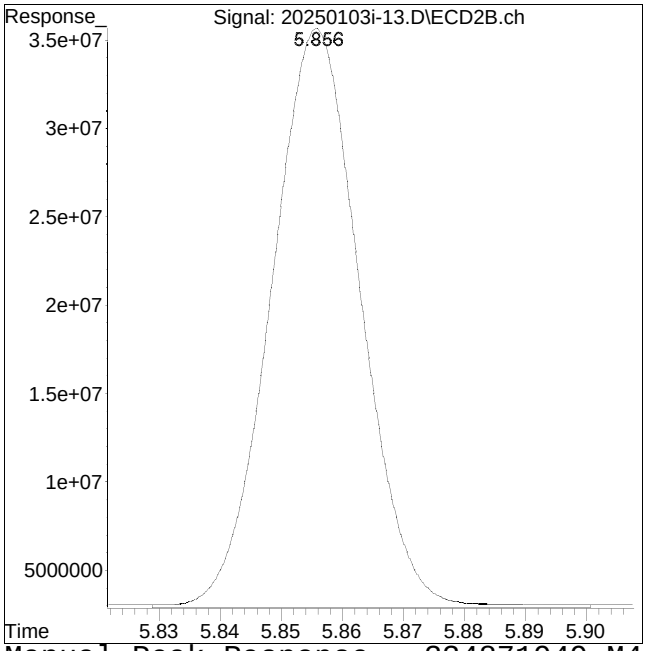
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-13.D
Date Inj'd : 1/3/2025 14:08
Sample : cicvpest,42e,,pp 11934 L0.
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:51 am

Compound #58: Endosulfan II #2



Original Peak Response = 336922079



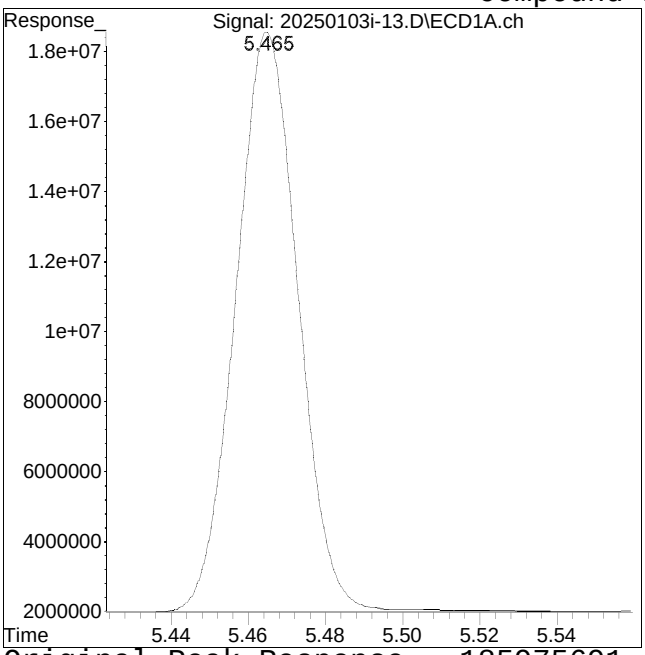
Manual Peak Response = 334871949 M4

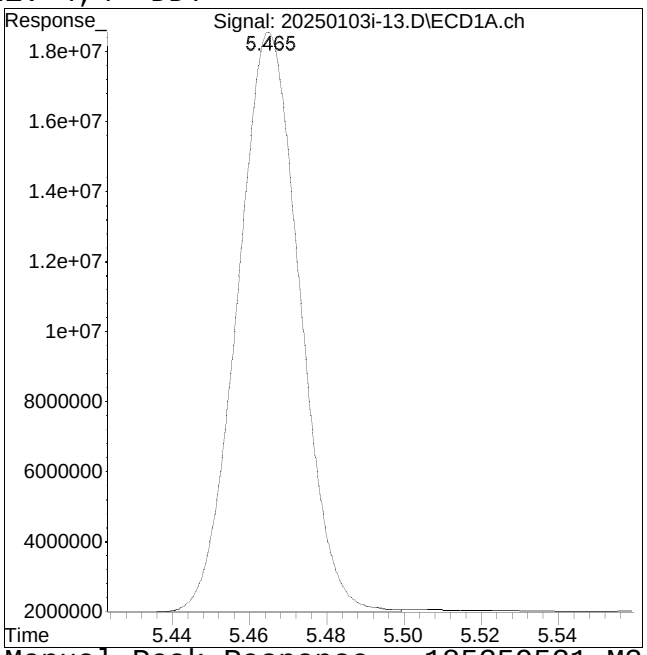
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-13.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 14:08 Instrument : PEST 20
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/6/2025 11:51 am

Compound #21: 4,4'-DDT



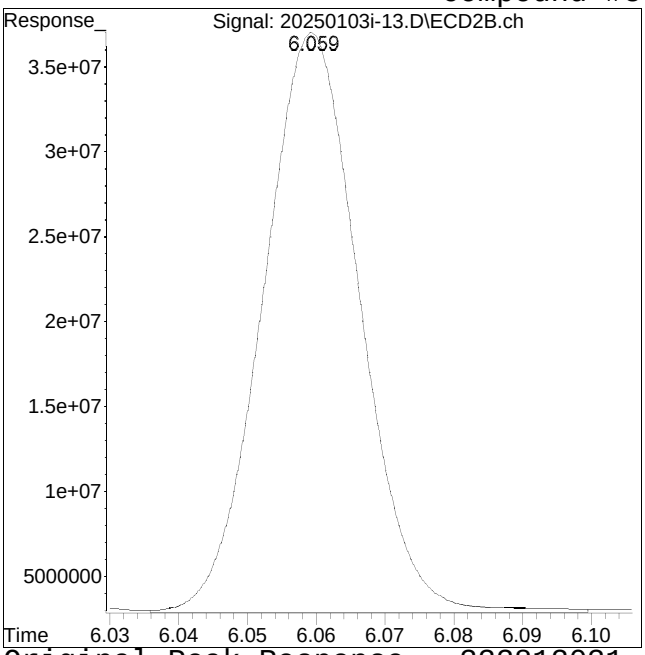


Original Peak Response = 185975691 Manual Peak Response = 185359521 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

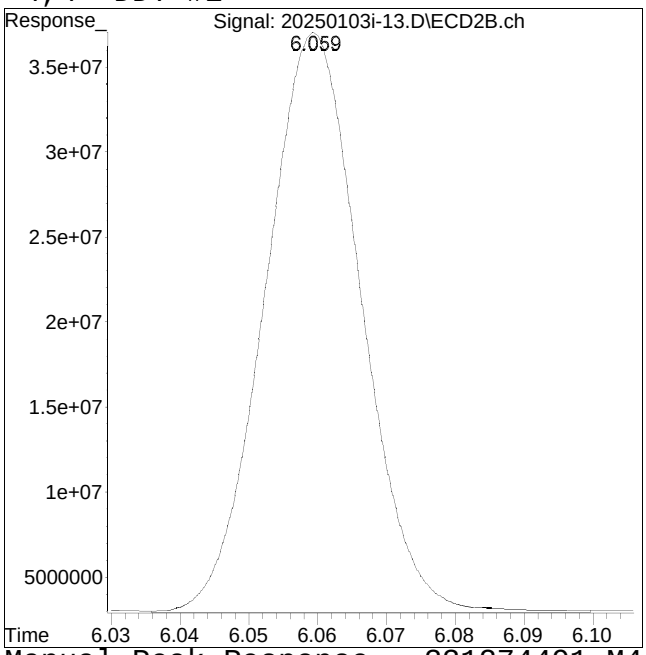
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-13.D
Date Inj'd : 1/3/2025 14:08
Sample : cicvpest,42e,,pp 11934 L0.
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:51 am

Compound #59: 4,4'-DDT #2



Original Peak Response = 333812031



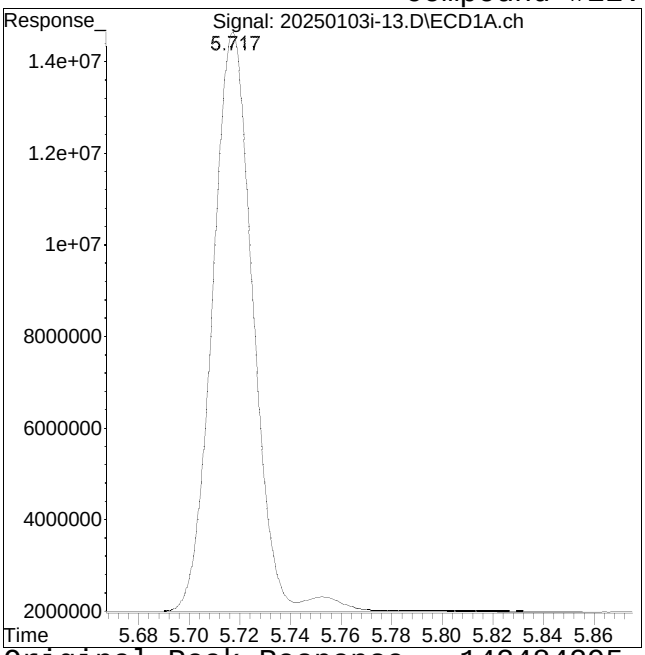
Manual Peak Response = 331274491 M4

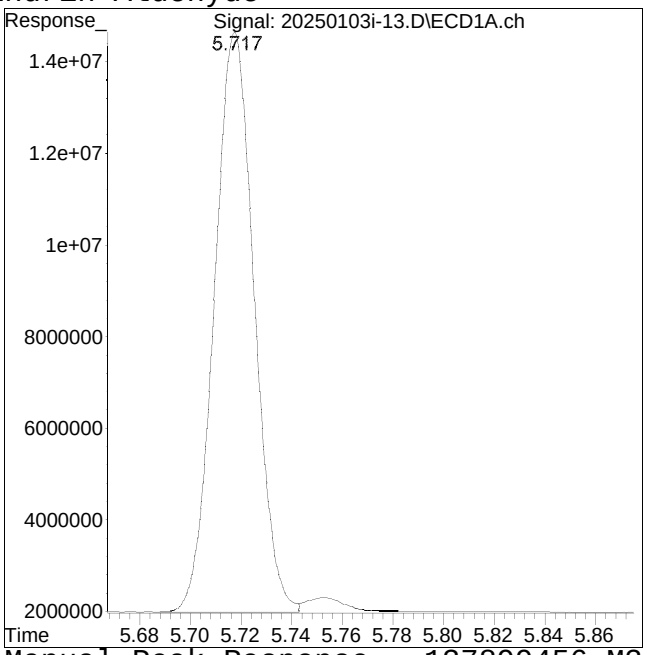
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-13.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 14:08 Instrument : PEST 20
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/6/2025 11:51 am

Compound #22: Endrin Aldehyde



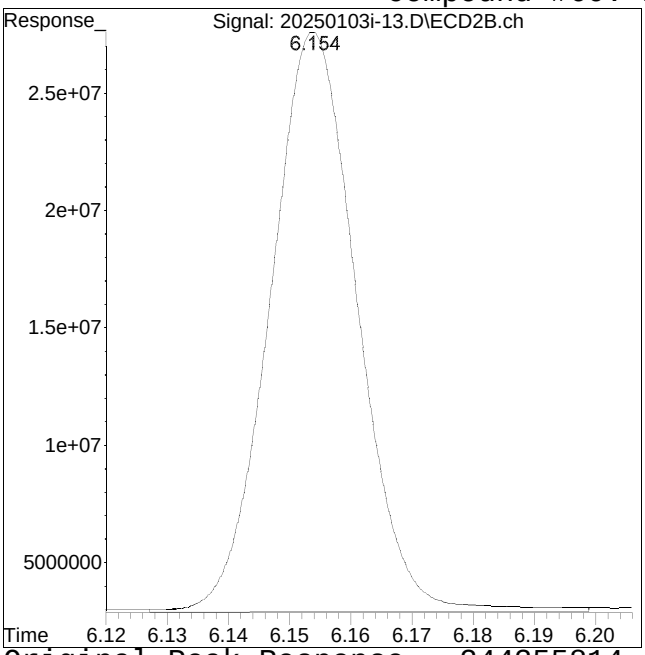


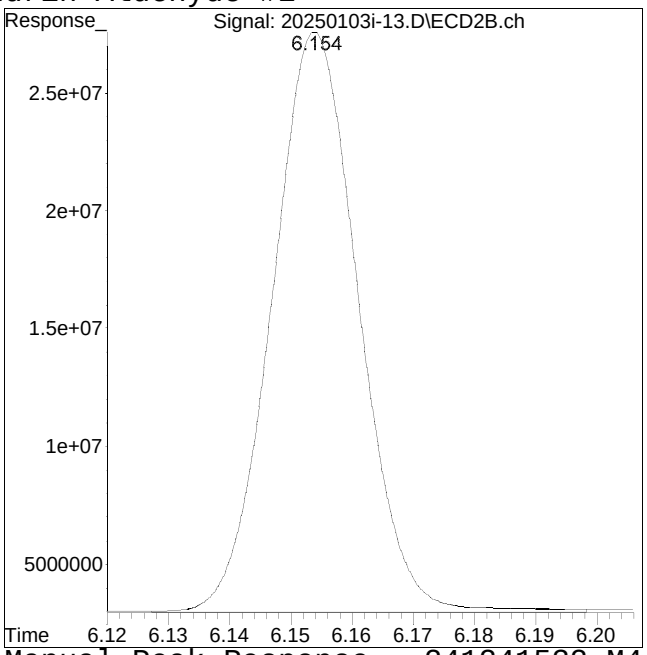
Original Peak Response = 142484295 Manual Peak Response = 137899456 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-13.D
Date Inj'd : 1/3/2025 14:08
Sample : cicvpest,42e,,pp 11934 L0.
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:51 am

Compound #60: Endrin Aldehyde #2





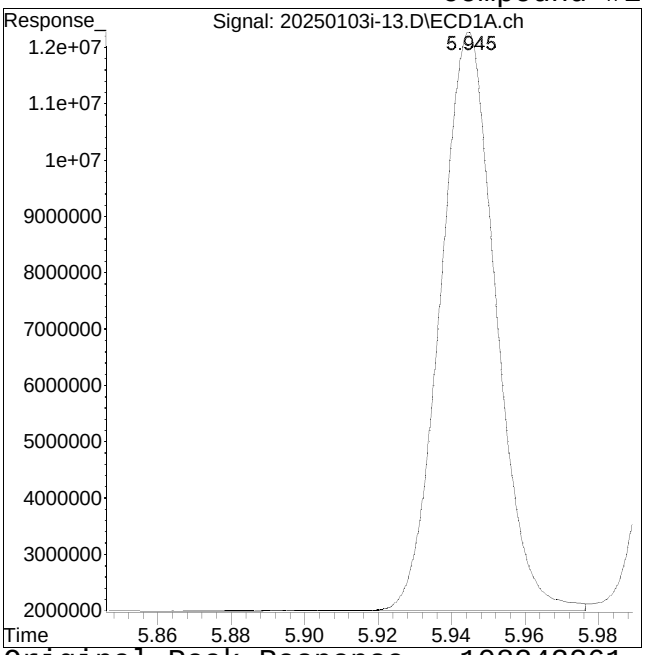
Original Peak Response = 244355814 Manual Peak Response = 241241532 M4
M4 = Poor automated baseline construction.

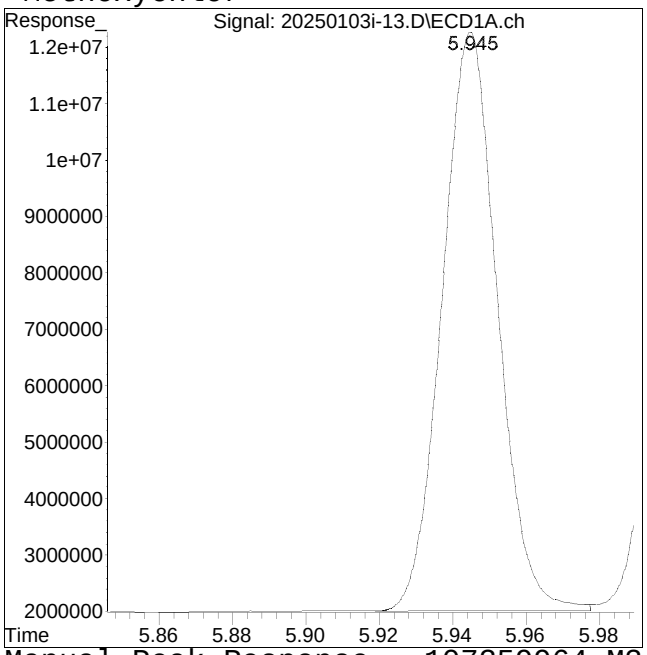
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-13.D
Date Inj'd : 1/3/2025 14:08
Sample : cicvpest,42e,,pp 11934 L0.

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:51 am

Compound #23: Methoxychlor





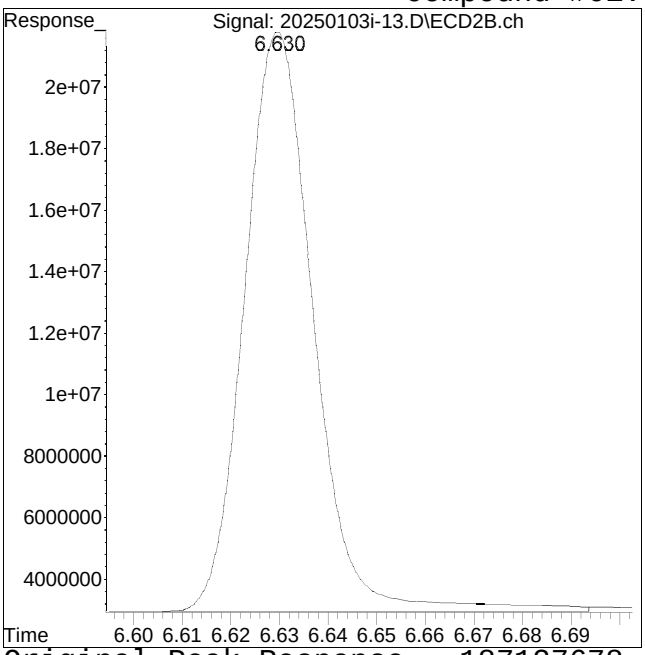
Original Peak Response = 108242261 Manual Peak Response = 107359964 M3

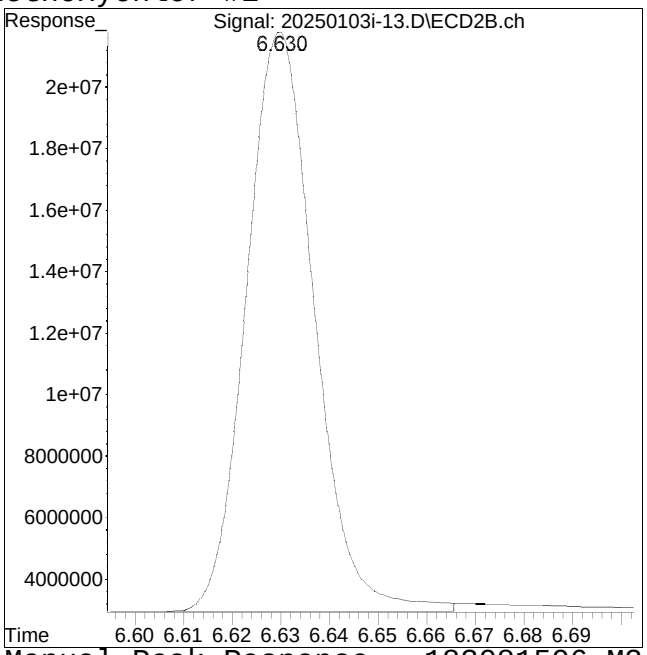
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-13.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 14:08 Instrument : PEST 20
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/6/2025 11:51 am

Compound #61: Methoxychlor #2



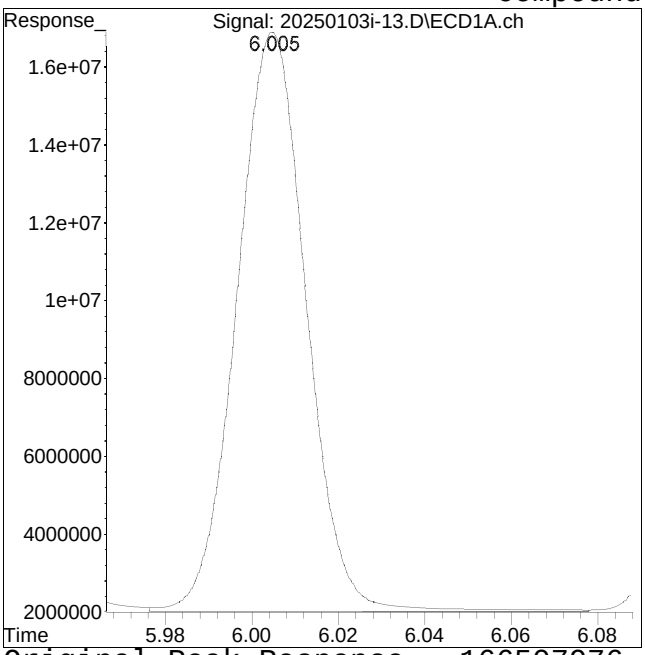


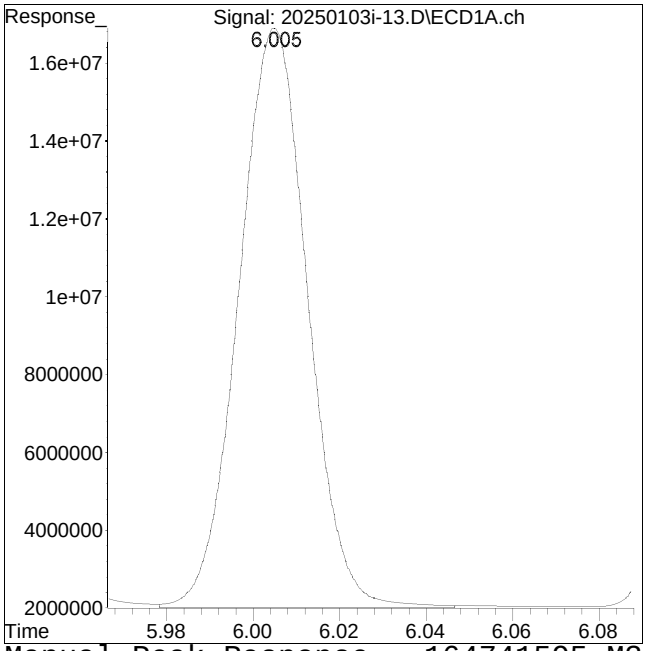
Original Peak Response = 187127678 Manual Peak Response = 183081596 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-13.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 14:08 Instrument : PEST 20
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/6/2025 11:51 am

Compound #24: Mirex



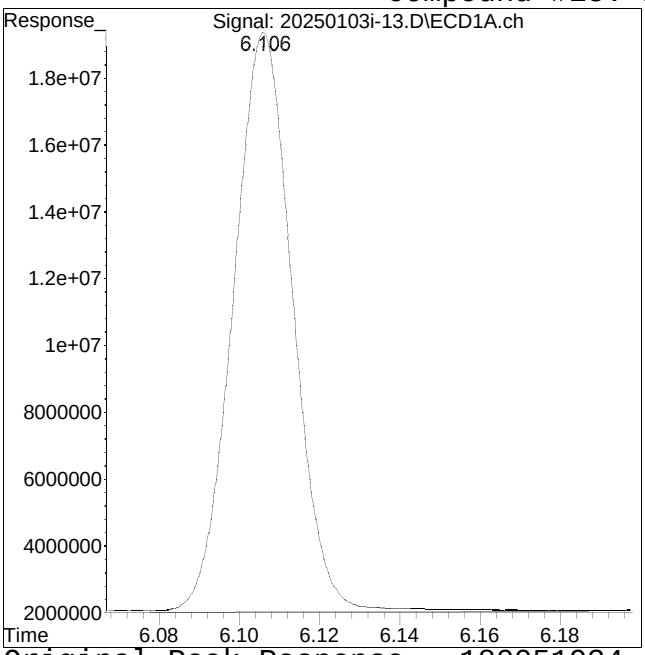


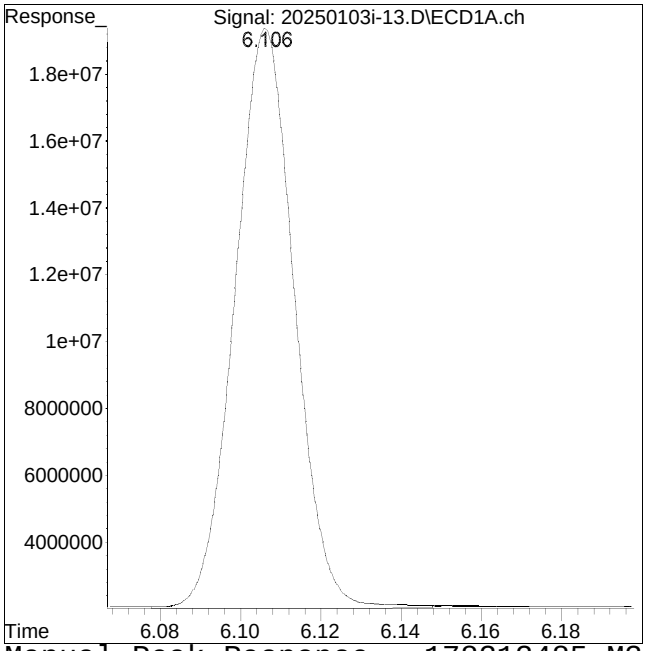
Original Peak Response = 166507976 Manual Peak Response = 164741595 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-13.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 14:08 Instrument : PEST 20
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/6/2025 11:51 am

Compound #25: Endosulfan Sulfate



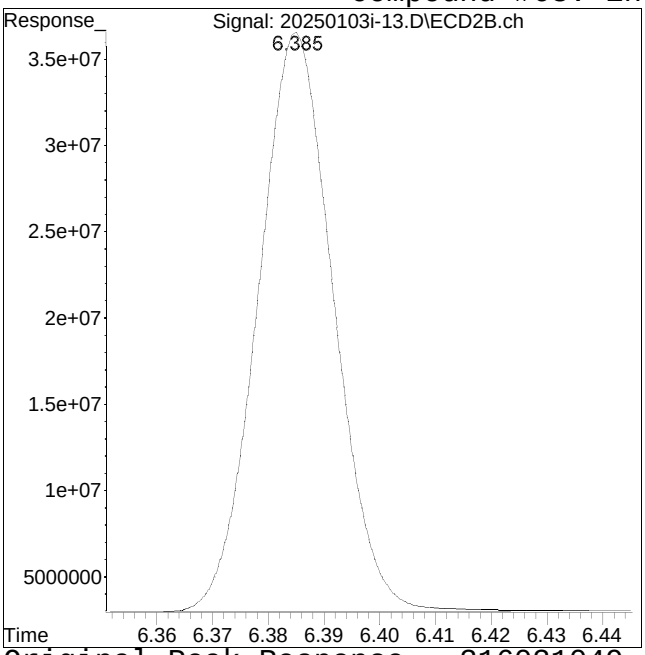


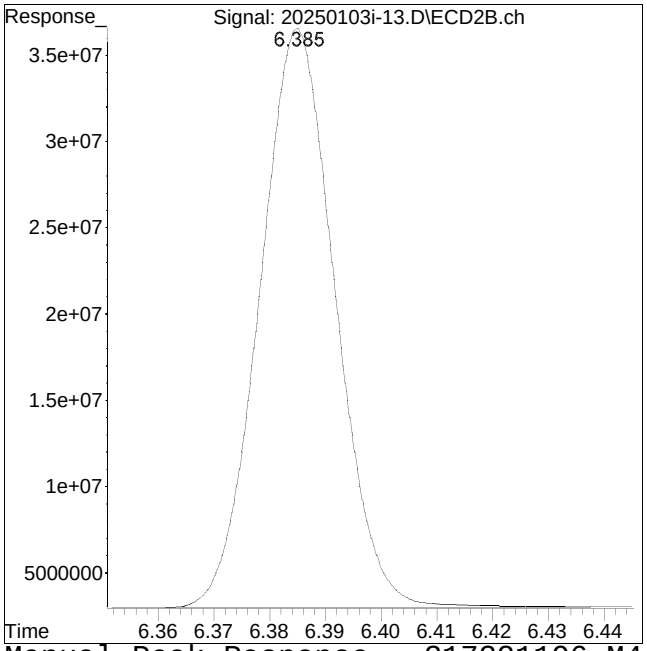
Original Peak Response = 180051934 Manual Peak Response = 178313485 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-13.D
Date Inj'd : 1/3/2025 14:08
Sample : cicvpest,42e,,pp 11934 L0.
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:51 am

Compound #63: Endosulfan Sulfate #2



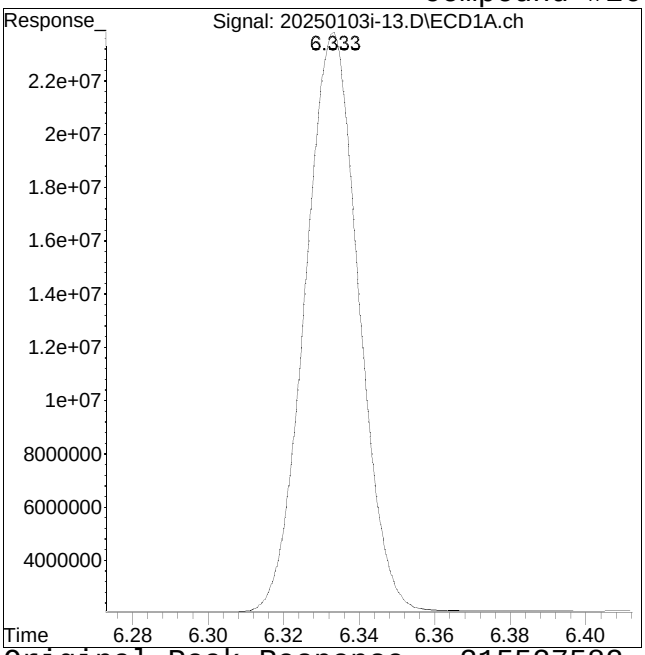


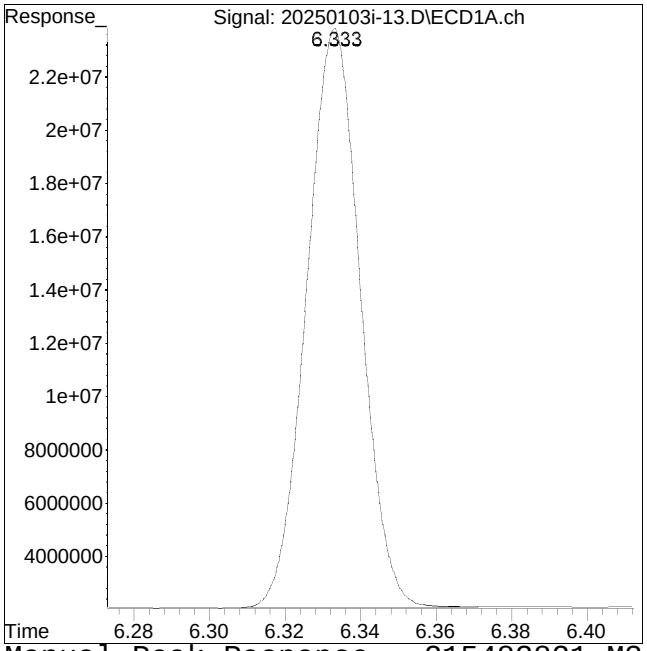
Original Peak Response = 316031049 Manual Peak Response = 317321196 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-13.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 14:08 Instrument : PEST 20
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/6/2025 11:51 am

Compound #26: Endrin Ketone



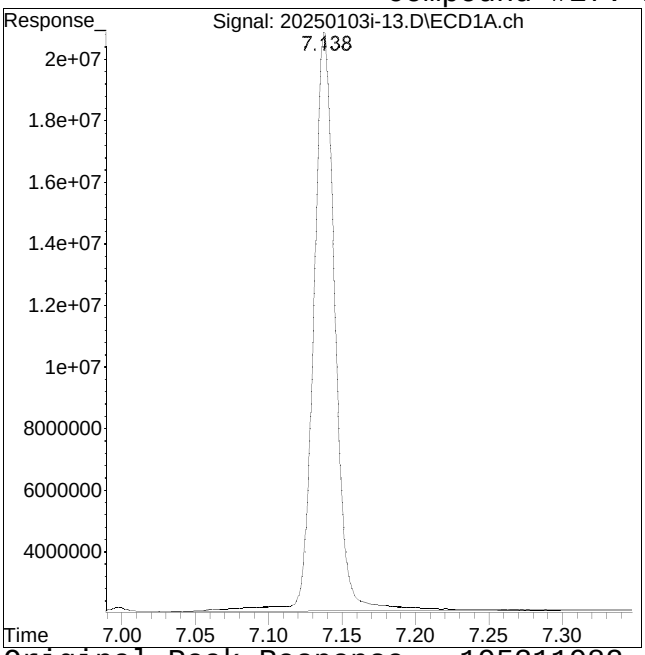


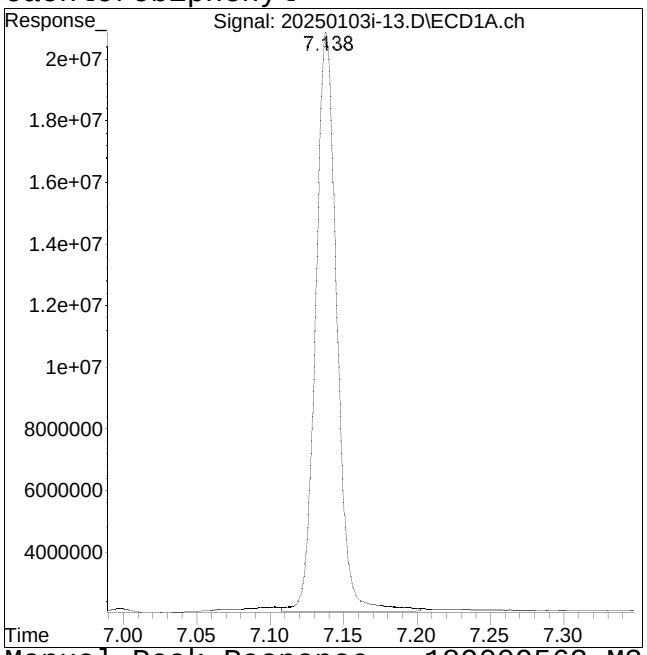
Original Peak Response = 215527582 Manual Peak Response = 215483821 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-13.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 14:08 Instrument : PEST 20
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/6/2025 11:51 am

Compound #27: Decachlorobiphenyl



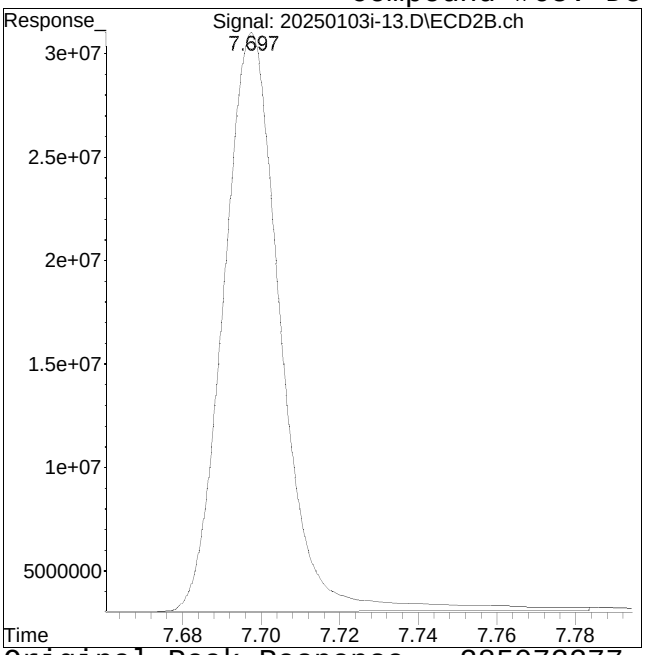


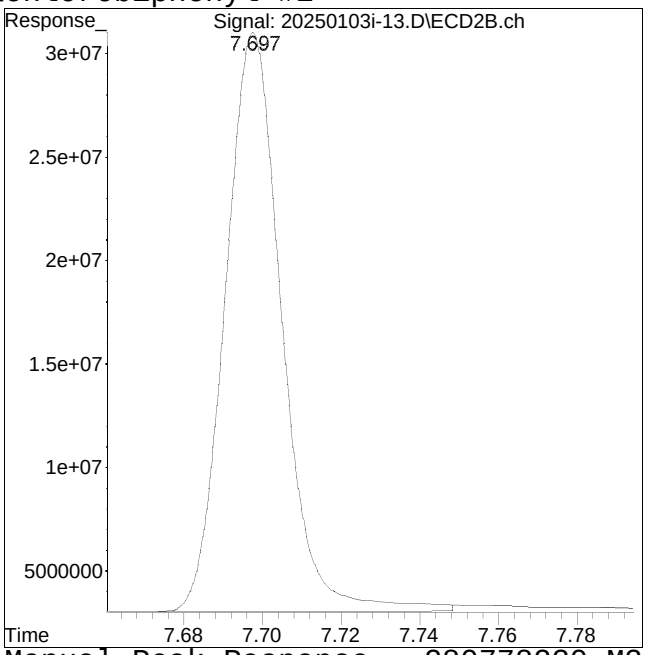
Original Peak Response = 195311982 Manual Peak Response = 189009563 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-13.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 14:08 Instrument : PEST 20
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/6/2025 11:51 am

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 285073377 Manual Peak Response = 280778230 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-14.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 14:21
Operator : pest20:ejl
Sample : il2chlor,42e,,pp 11939 L0.01
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 12:00:50 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 12:00:44 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.802	1.854	85539585	158.0E6	25.000M4	25.000
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-14.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 14:21
Operator : pest20:ejl
Sample : il2chlor,42e,,pp 11939 L0.01
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 12:00:50 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 12:00:44 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)		Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)		Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29)	l1	chlordane-1	3.193	3.489	2112272	3420514	14.444	14.110
30)	l1	chlordane-3	3.656	4.127	2903420	4167304	15.748	14.939
31)	l1	chlordane-4	4.255	4.833	9105602	13948136	14.465M4	14.443M4
32)	l1	chlordane-5	4.391	5.003	14150185	11559186	14.510M3	14.809M4
Sum		chlordane-1			28271479	33095140	NoCal	NoCal D
Average		chlordane-1					14.792	14.575
34)	l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35)	l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36)	l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37)	l2	toxaphene-5	0.000	0.000	0	0	N.D.	N.D.
Sum		toxaphene-1			0	0	N.D.	N.D.
Average		toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum		toxaphene-1			0	0	N.D.	N.D.
Average		toxaphene-1					0.000	0.000

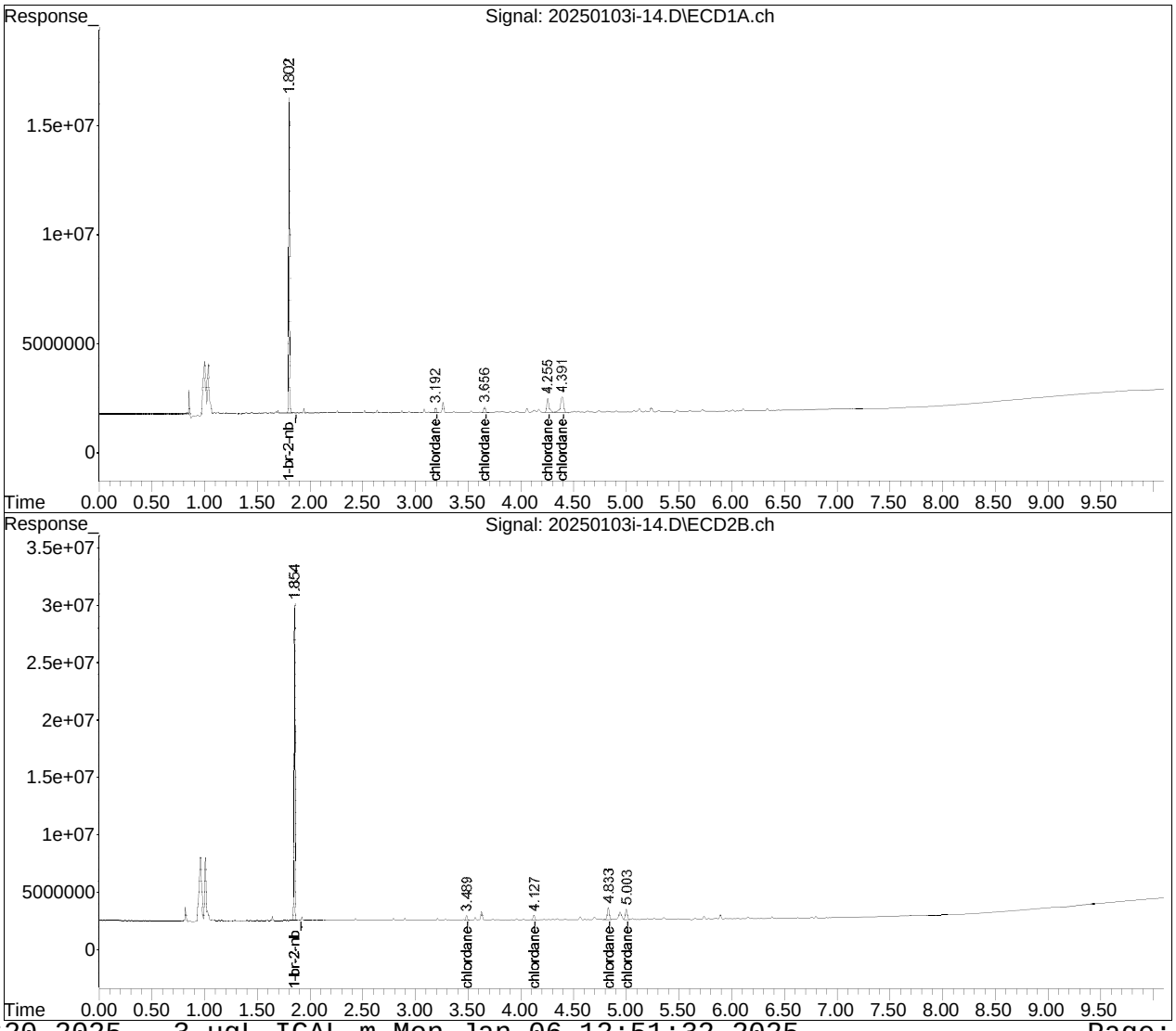
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-14.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 14:21
Operator : pest20:ejl
Sample : il2chlor,42e,,pp 11939 L0.01
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 12:00:50 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 12:00:44 2025
Response via : Initial Calibration
Integrator: ChemStation

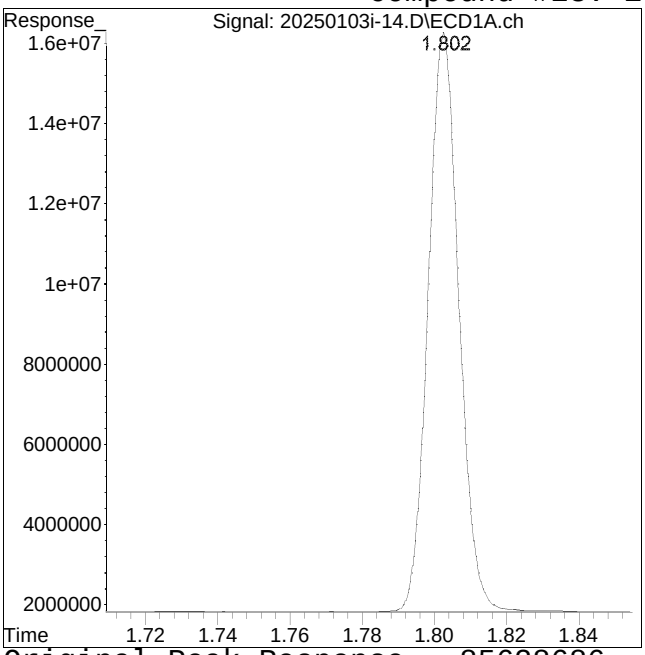
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



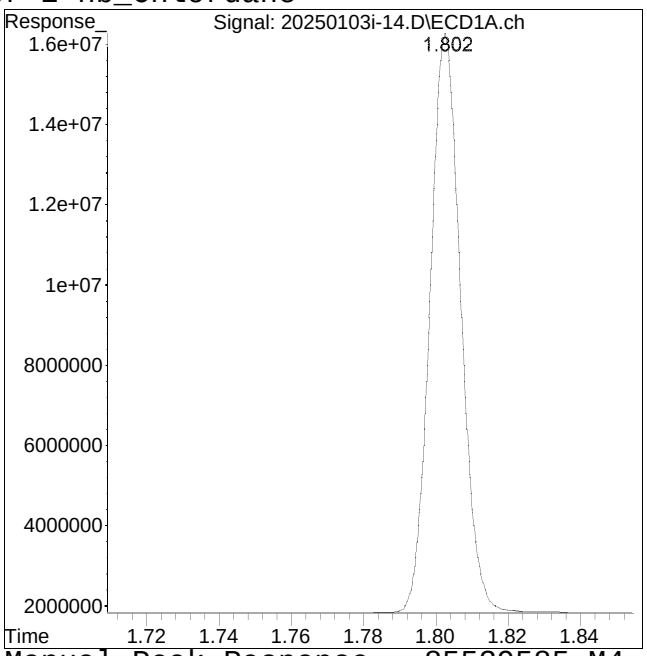
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-14.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 14:21 Instrument : PEST 20
Sample : il2chlor,42e,,pp 11939 L0.Quant Date : 1/6/2025 12:00 pm

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 85628686



Manual Peak Response = 85539585 M4

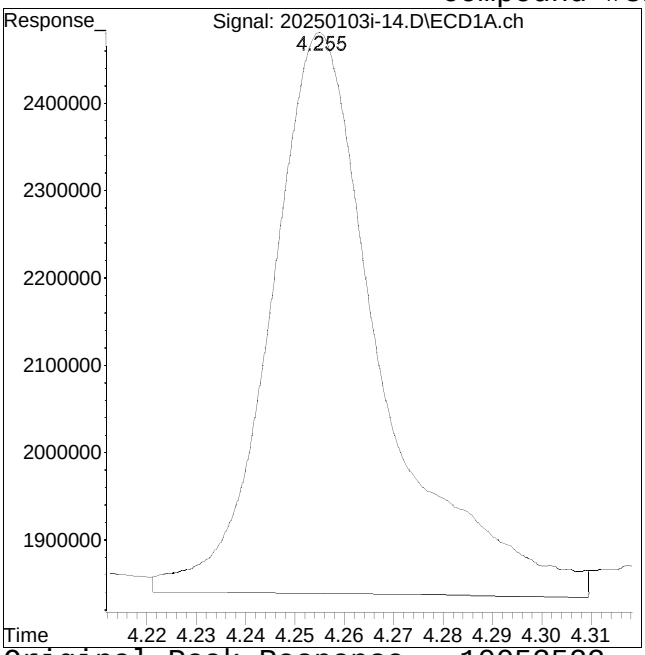
M4 = Poor automated baseline construction.

Manual Integration Report

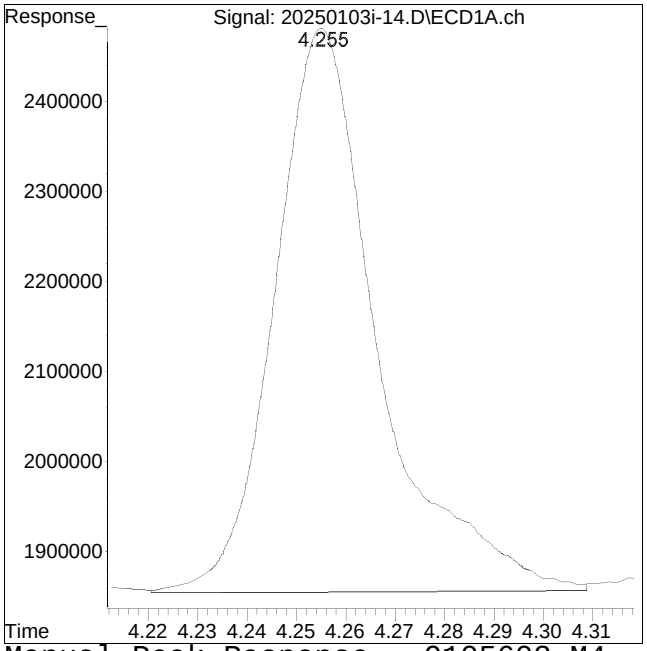
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-14.D
Date Inj'd : 1/3/2025 14:21
Sample : il2chlor,42e,,pp 11939 L0.

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 12:00 pm

Compound #31: chlordane-4



Original Peak Response = 10053522



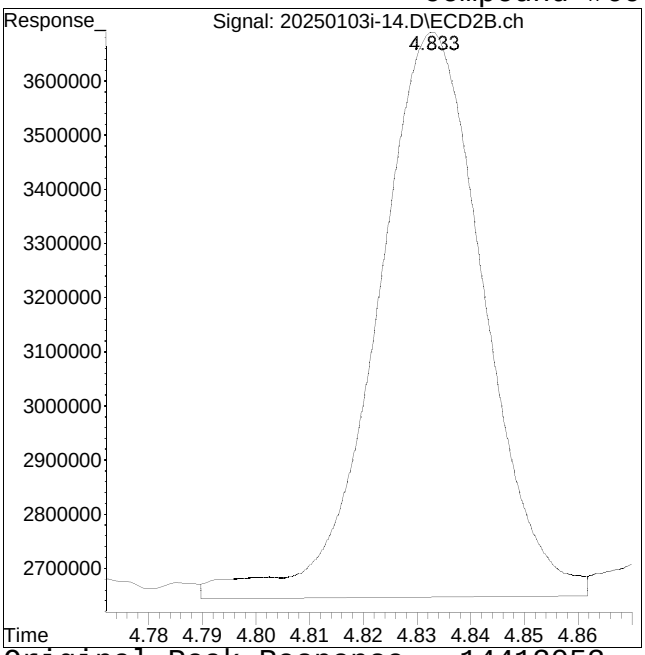
Manual Peak Response = 9105602 M4

M4 = Poor automated baseline construction.

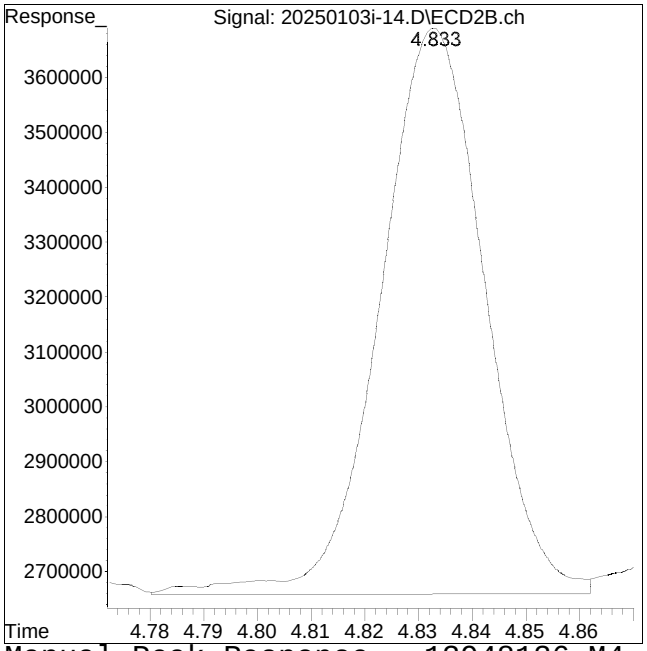
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-14.D
Date Inj'd : 1/3/2025 14:21
Sample : il2chlor,42e,,pp 11939 L0.
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 12:00 pm

Compound #69: chlordane-4 #2



Original Peak Response = 14413053



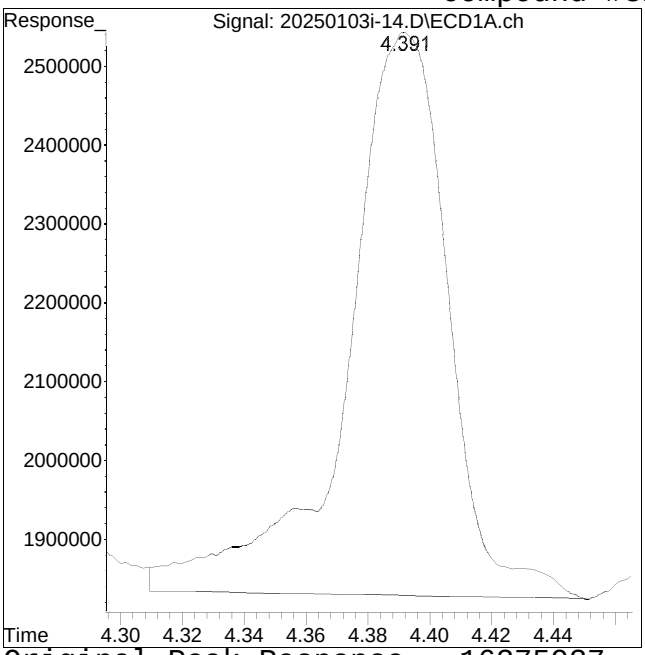
Manual Peak Response = 13948136 M4

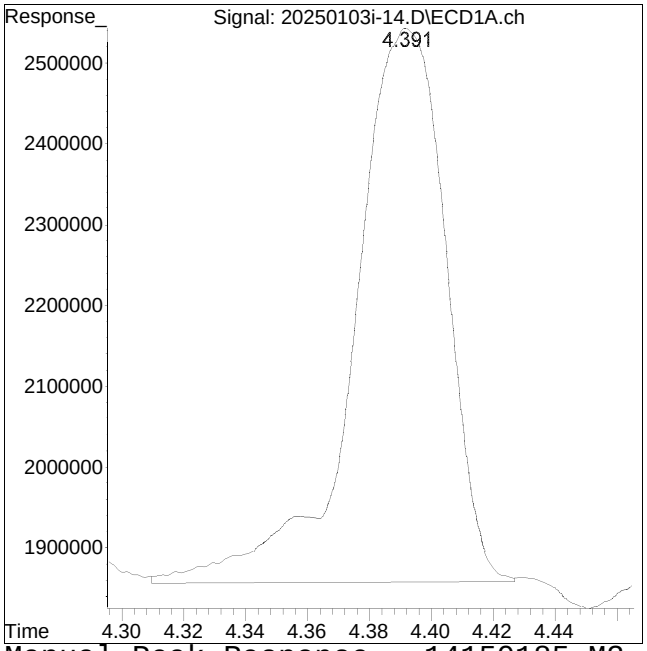
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-14.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 14:21 Instrument : PEST 20
Sample : il2chlor,42e,,pp 11939 L0.Quant Date : 1/6/2025 12:00 pm

Compound #32: chlordane-5



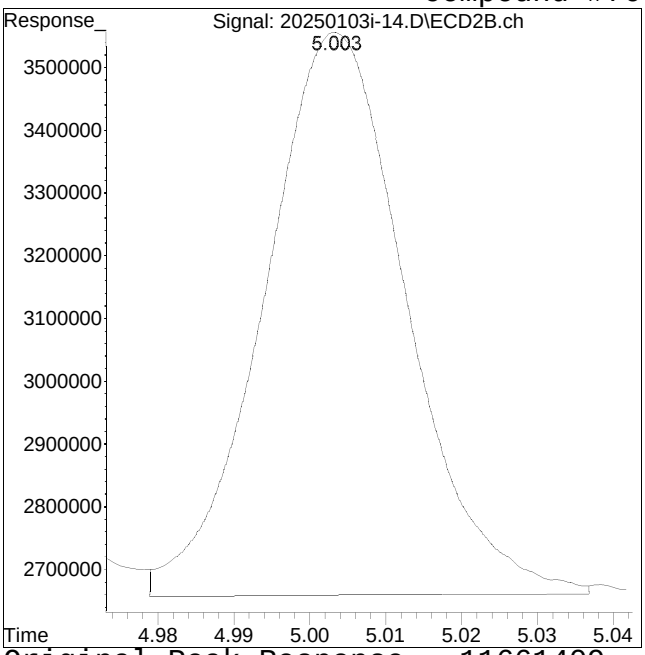


Original Peak Response = 16375937 Manual Peak Response = 14150185 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

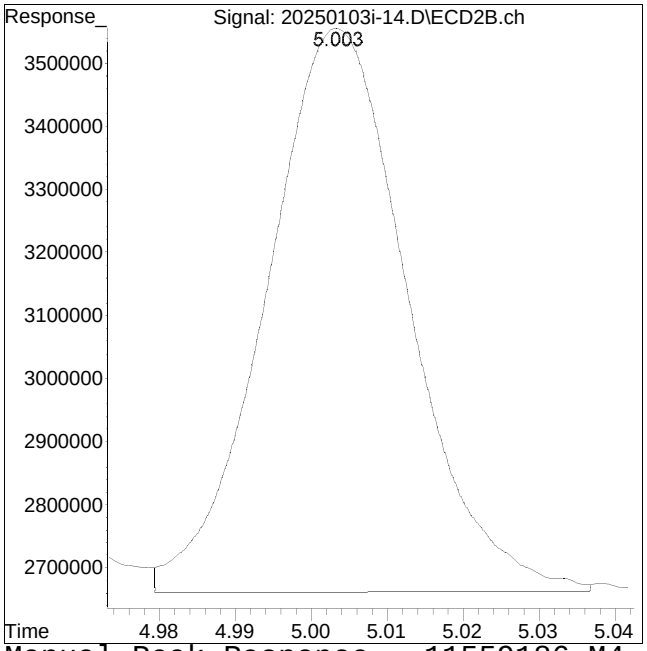
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-14.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 14:21 Instrument : PEST 20
Sample : il2chlor,42e,,pp 11939 L0.Quant Date : 1/6/2025 12:00 pm

Compound #70: chlordane-5 #2



Original Peak Response = 11661409



Manual Peak Response = 11559186 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-15.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 14:33
Operator : pest20:ejl
Sample : il3chlor,42e,,pp 11939 L0.02
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 11:58:07 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 11:58:02 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.802	1.853	83823749	154.7E6	25.000M3	25.000
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-15.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 14:33
Operator : pest20:ejl
Sample : il3chlor,42e,,pp 11939 L0.02
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 11:58:07 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 11:58:02 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)		Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)		Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29)	l1	chlordane-1	3.192	3.489	3546596	5784042	20.166	19.667
30)	l1	chlordane-3	3.656	4.127	4753773	7218913	21.492	21.415
31)	l1	chlordane-4	4.254	4.833	15330624	22825893	20.368	19.590
32)	l1	chlordane-5	4.390	5.004	23827424	19070585	20.427M3	20.299
		Sum chlordane-1			47458417	54899433	NoCal	NoCal D
Average		chlordane-1					20.613	20.243
34)	l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35)	l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36)	l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37)	l2	toxaphene-5	0.000	0.000	0	0	N.D.	N.D.
		Sum toxaphene-1			0	0	N.D.	N.D.
Average		toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

		Sum toxaphene-1			0	0	N.D.	N.D.
Average		toxaphene-1					0.000	0.000

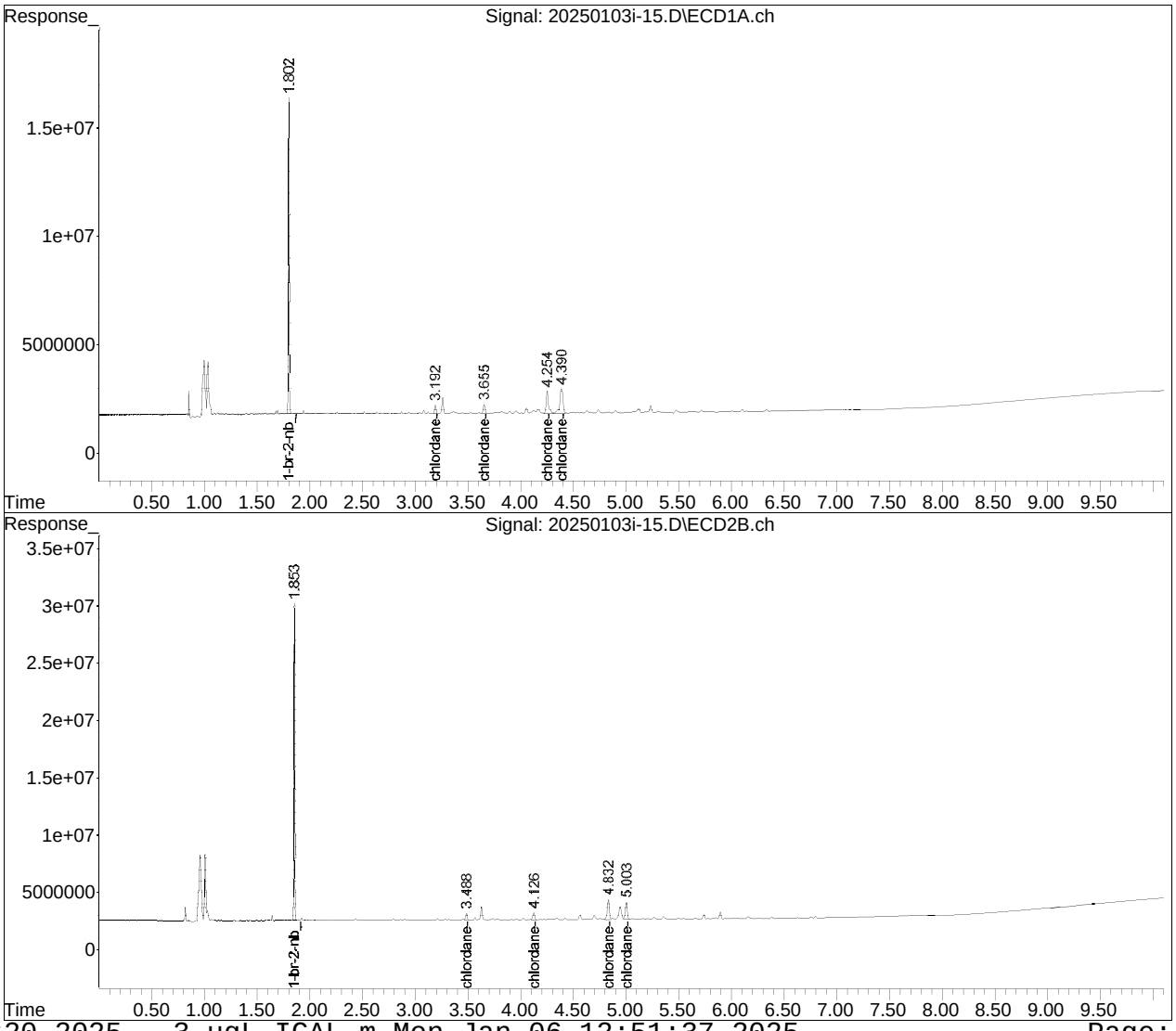
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-15.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 14:33
Operator : pest20:ejl
Sample : il3chlor,42e,,pp 11939 L0.02
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 11:58:07 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 11:58:02 2025
Response via : Initial Calibration
Integrator: ChemStation

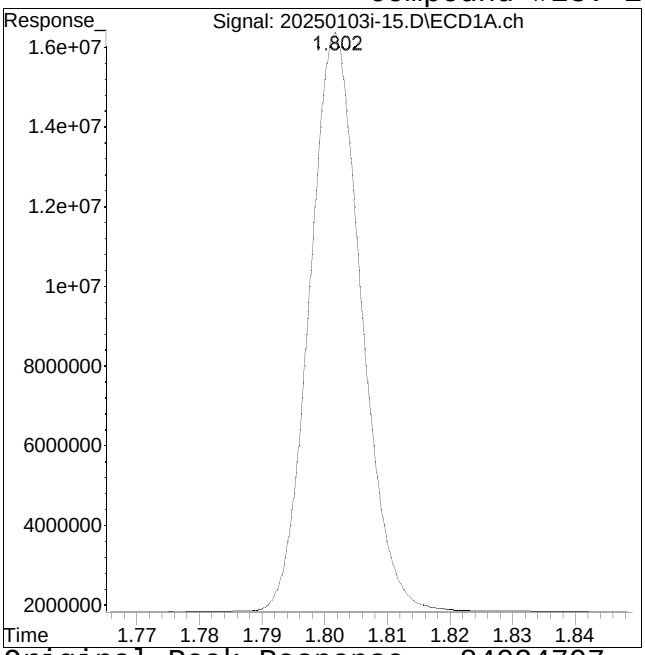
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

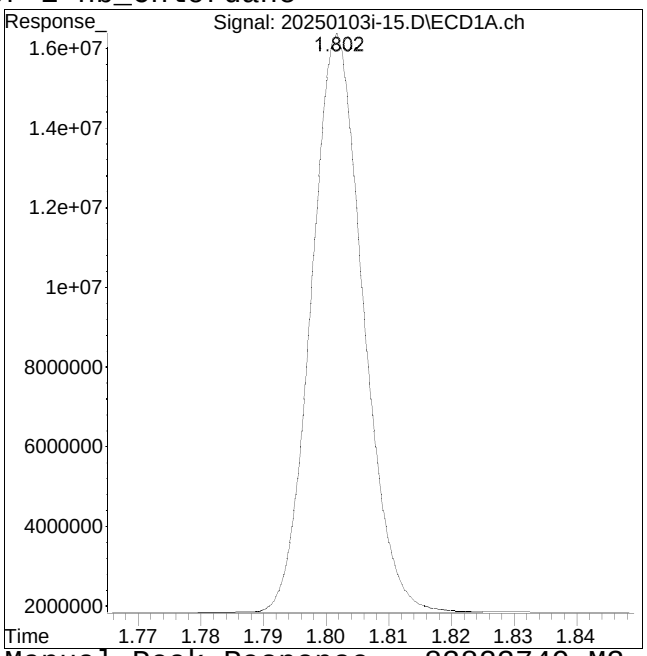


Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-15.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 14:33 Instrument : PEST 20
Sample : il3chlor,42e,,pp 11939 L0.Quant Date : 1/6/2025 11:58 am

Compound #28: 1-br-2-nb_Chlordane



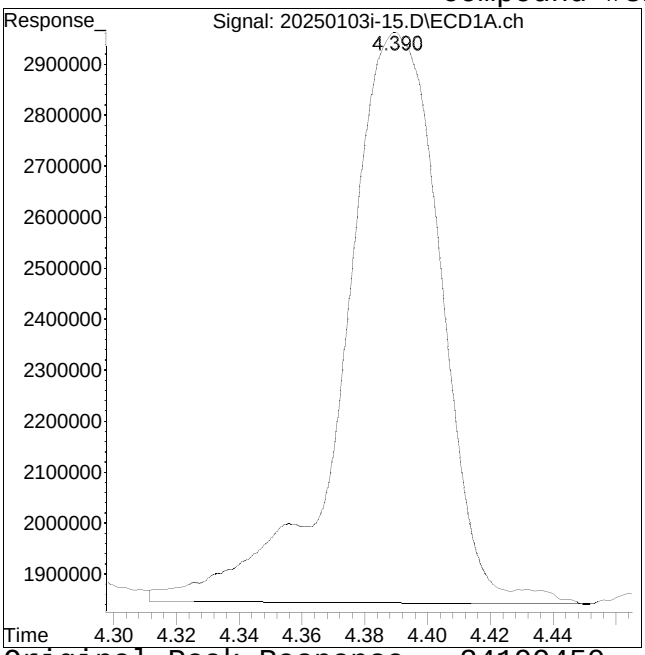


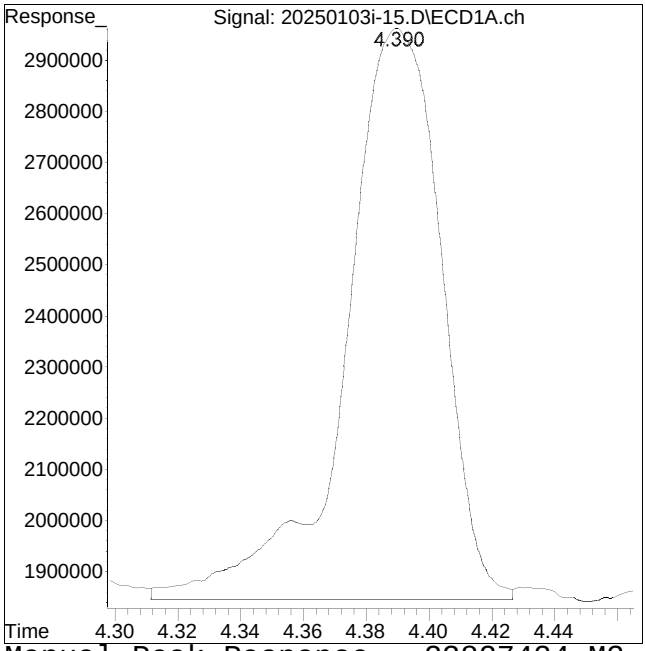
Original Peak Response = 84024797 Manual Peak Response = 83823749 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-15.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 14:33 Instrument : PEST 20
Sample : il3chlor,42e,,pp 11939 L0.Quant Date : 1/6/2025 11:58 am

Compound #32: chlordane-5





Original Peak Response = 24199450 Manual Peak Response = 23827424 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-16.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 14:45
Operator : pest20:ejl
Sample : il4chlor,42e,,pp 11939 L0.05
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 11:57:21 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 11:57:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.803	1.854	86347846	158.9E6	25.000M3	25.000
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D.	N.D.
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D.	N.D.
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-16.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 14:45
Operator : pest20:ejl
Sample : il4chlor,42e,,pp 11939 L0.05
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 11:57:21 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 11:57:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)		Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
24)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)		Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)		Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29)	l1	chlordane-1	3.194	3.489	7877667	13453920	56.828	58.989
30)	l1	chlordane-3	3.657	4.128	10304682	16170712	60.484	63.688
31)	l1	chlordane-4	4.256	4.833	33116956	51900200	55.265	56.560
32)	l1	chlordane-5	4.393	5.004	51517850	42547439	55.593M3	58.056
		Sum chlordane-1			102.8E6	124.1E6	NoCal	NoCal D
		Average chlordane-1					57.042	59.323
34)	l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35)	l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36)	l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37)	l2	toxaphene-5	0.000	0.000	0	0	N.D.	N.D.
		Sum toxaphene-1			0	0	N.D.	N.D.
		Average toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

		Sum toxaphene-1			0	0	N.D.	N.D.
		Average toxaphene-1					0.000	0.000

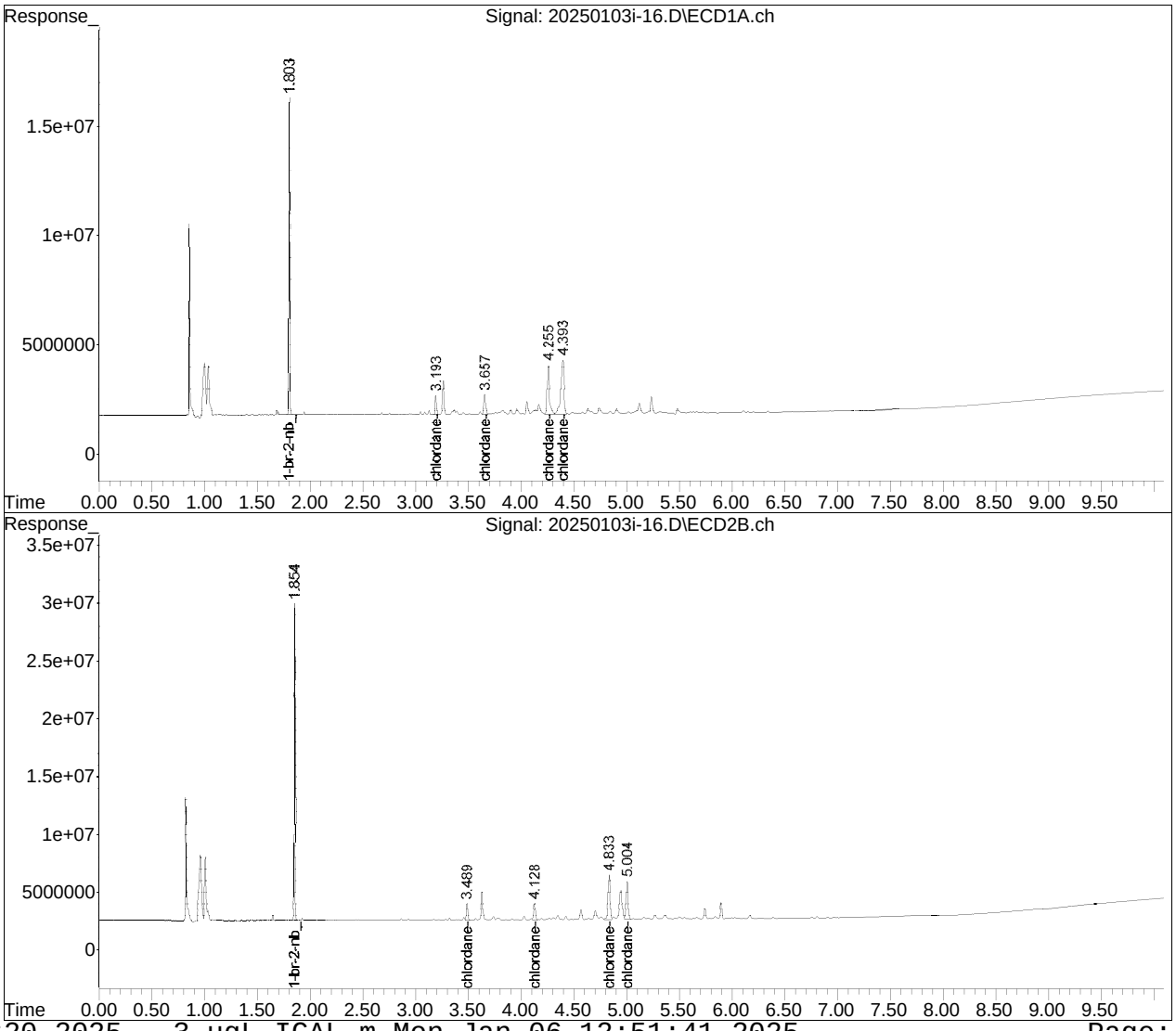
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-16.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 14:45
Operator : pest20:ejl
Sample : il4chlor,42e,,pp 11939 L0.05
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 11:57:21 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 11:57:15 2025
Response via : Initial Calibration
Integrator: ChemStation

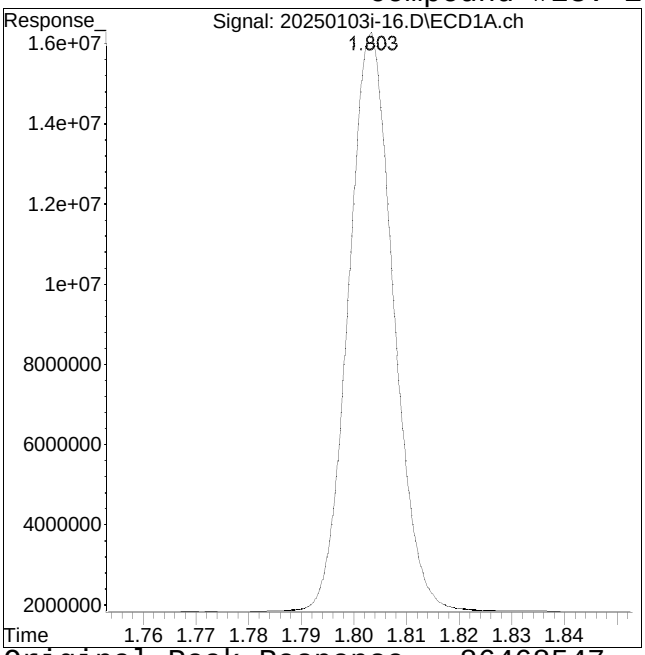
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

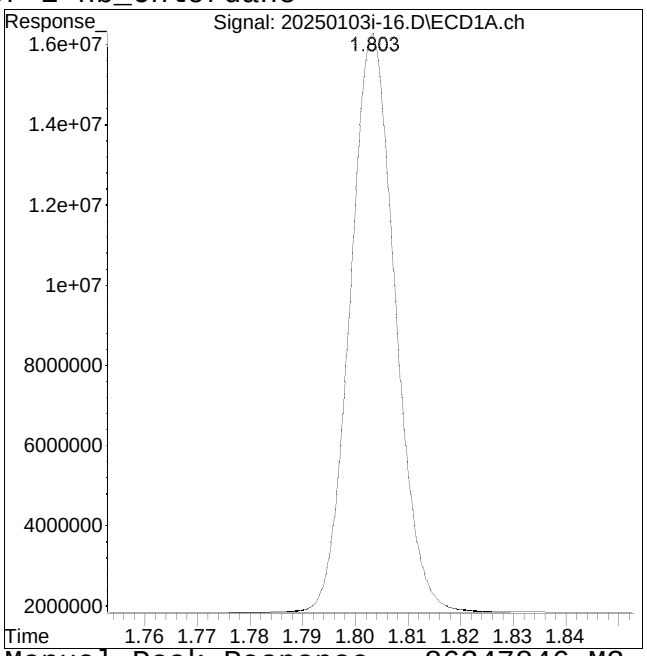


Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-16.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 14:45 Instrument : PEST 20
Sample : il4chlor,42e,,pp 11939 L0.Quant Date : 1/6/2025 11:57 am

Compound #28: 1-br-2-nb_Chlordane



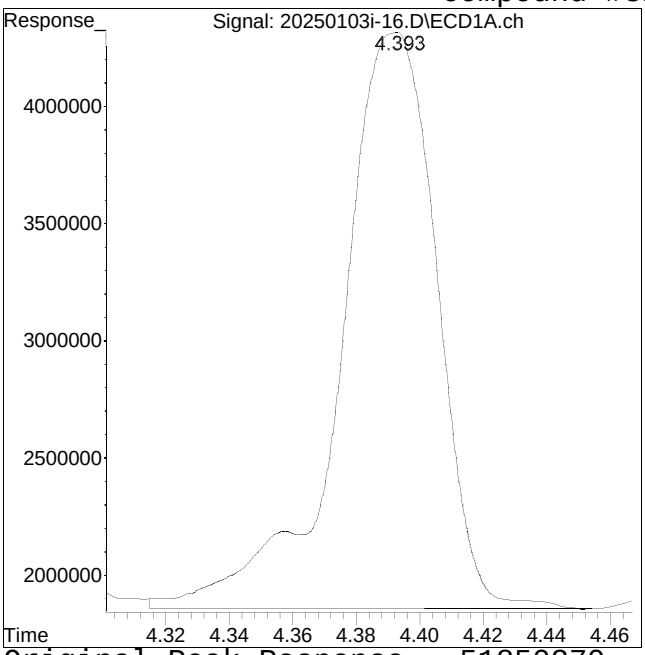


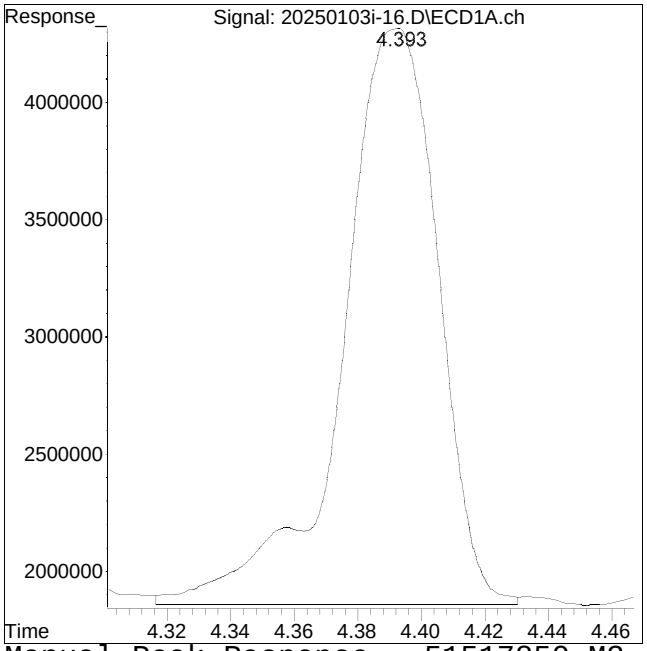
Original Peak Response = 86468547 Manual Peak Response = 86347846 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-16.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 14:45 Instrument : PEST 20
Sample : il4chlor,42e,,pp 11939 L0.Quant Date : 1/6/2025 11:57 am

Compound #32: chlordane-5





Original Peak Response = 51850270 Manual Peak Response = 51517850 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-17.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 14:58
Operator : pest20:ejl
Sample : il5chlor,42e,,pp 11939 L0.1
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 11:56:19 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 11:56:12 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.802	1.853	84980609	157.1E6	25.000M3	25.000M4
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-17.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 14:58
Operator : pest20:ejl
Sample : il5chlor,42e,,pp 11939 L0.1
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 11:56:19 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 11:56:12 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)		Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)		Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29)	l1	chlordane-1	3.192	3.489	14862497	25583799	111.431	117.393
30)	l1	chlordane-3	3.656	4.127	19297193	30833355	119.599M3	130.245
31)	l1	chlordane-4	4.255	4.833	61983291	101.1E6	106.459	114.696
32)	l1	chlordane-5	4.389	5.004	96459130	82379294	107.310M3	117.710
Sum		chlordane-1			192.6E6	239.9E6	NoCal	NoCal D
Average		chlordane-1					111.200	120.011
34)	l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35)	l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36)	l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37)	l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum		toxaphene-1			0	0	N.D.	N.D.
Average		toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum		toxaphene-1			0	0	N.D.	N.D.
Average		toxaphene-1					0.000	0.000

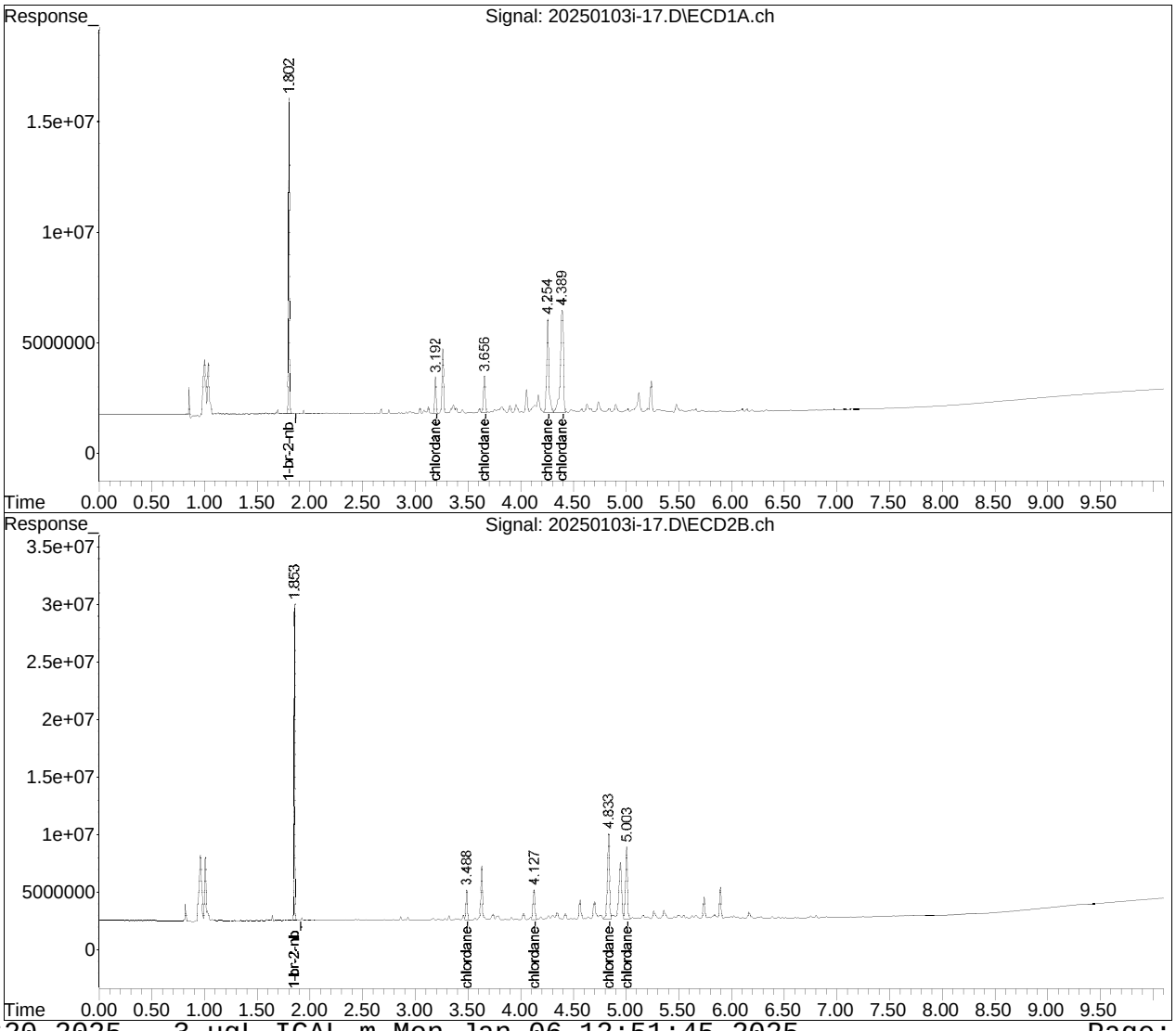
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-17.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 14:58
Operator : pest20:ejl
Sample : il5chlor,42e,,pp 11939 L0.1
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 11:56:19 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 11:56:12 2025
Response via : Initial Calibration
Integrator: ChemStation

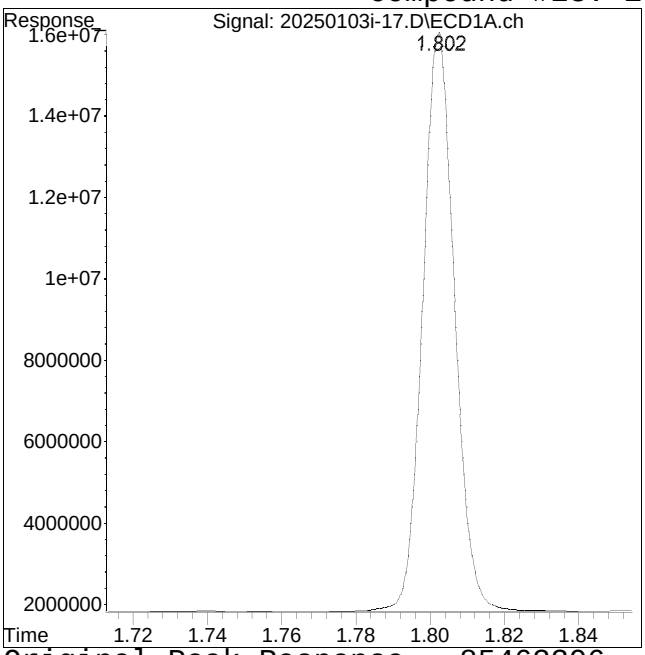
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

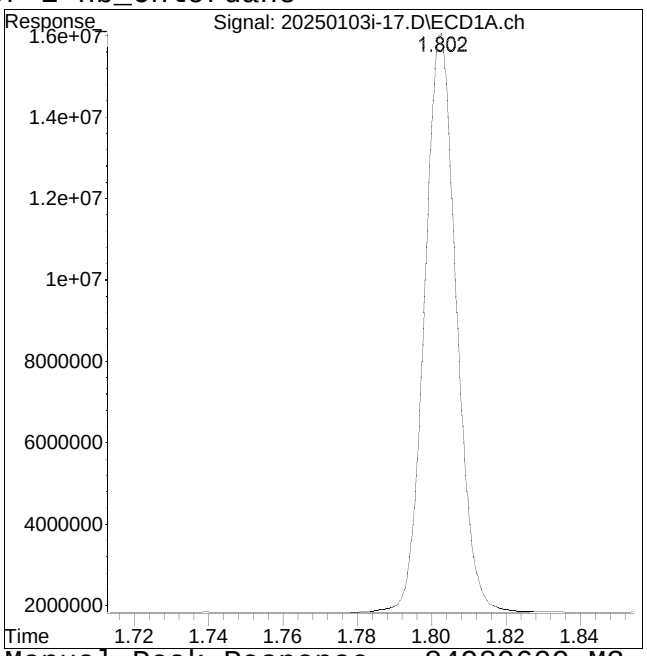


Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-17.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 14:58 Instrument : PEST 20
Sample : il5chlor,42e,,pp 11939 L0.Quant Date : 1/6/2025 11:56 am

Compound #28: 1-br-2-nb_Chlordane





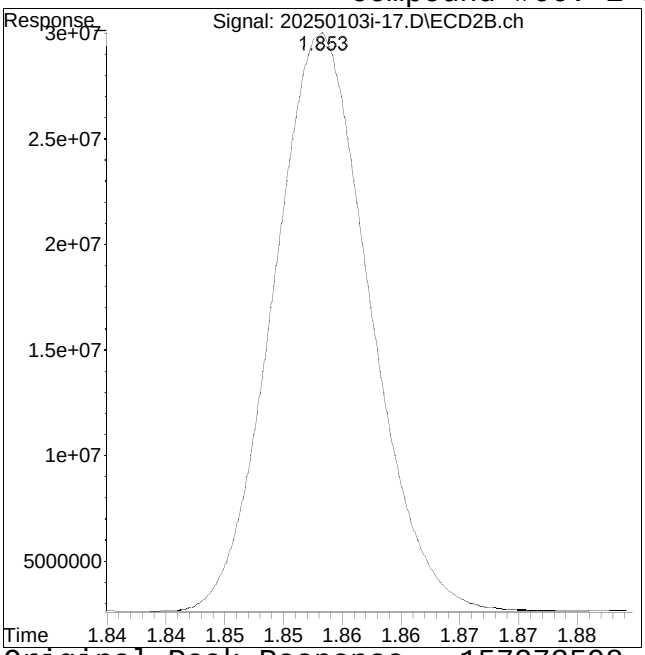
Original Peak Response = 85463396 Manual Peak Response = 84980609 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

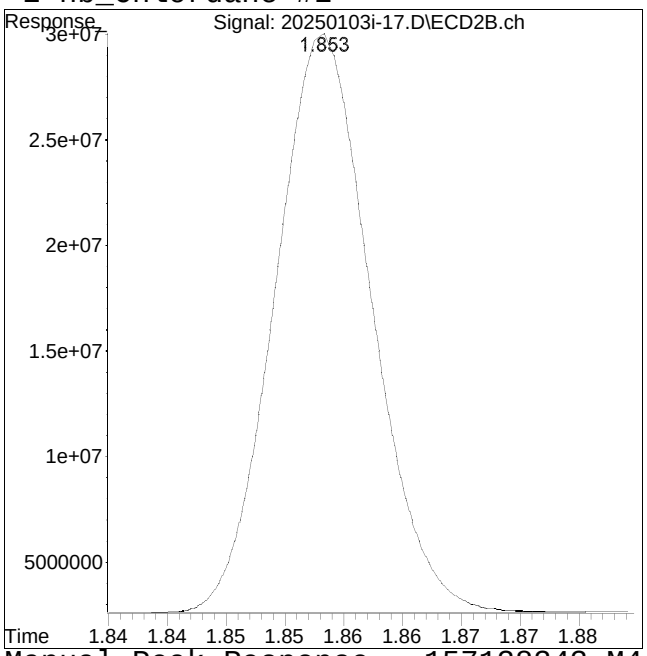
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-17.D
Date Inj'd : 1/3/2025 14:58
Sample : il5chlor,42e,,pp 11939 L0.

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:56 am

Compound #66: 1-br-2-nb_Chlordane #2



Original Peak Response = 157273598



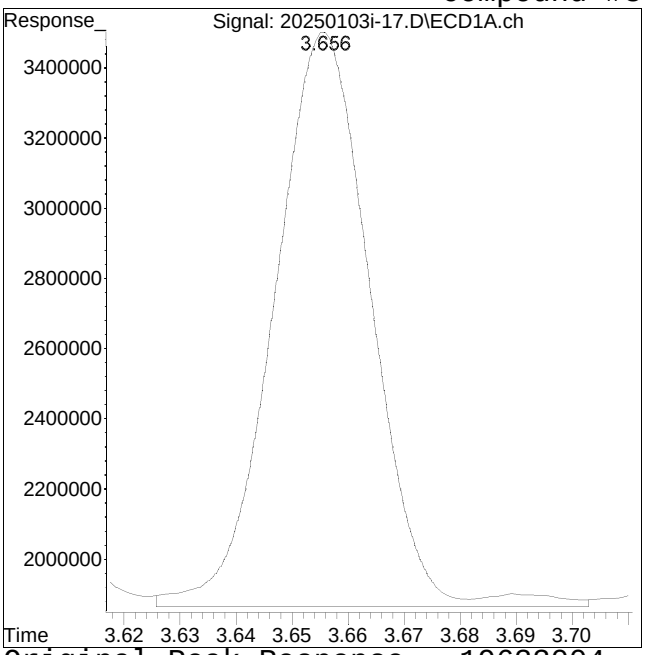
Manual Peak Response = 157138343 M4

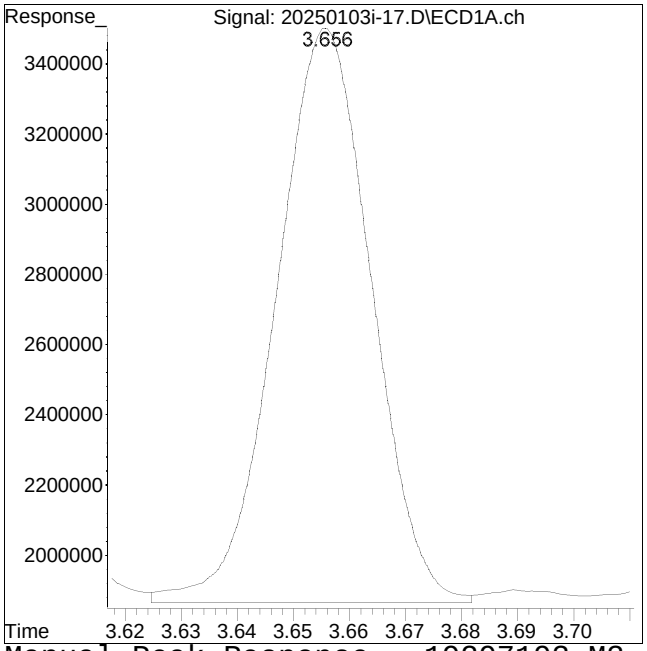
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-17.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 14:58 Instrument : PEST 20
Sample : il5chlor,42e,,pp 11939 L0.Quant Date : 1/6/2025 11:56 am

Compound #30: chlordane-3



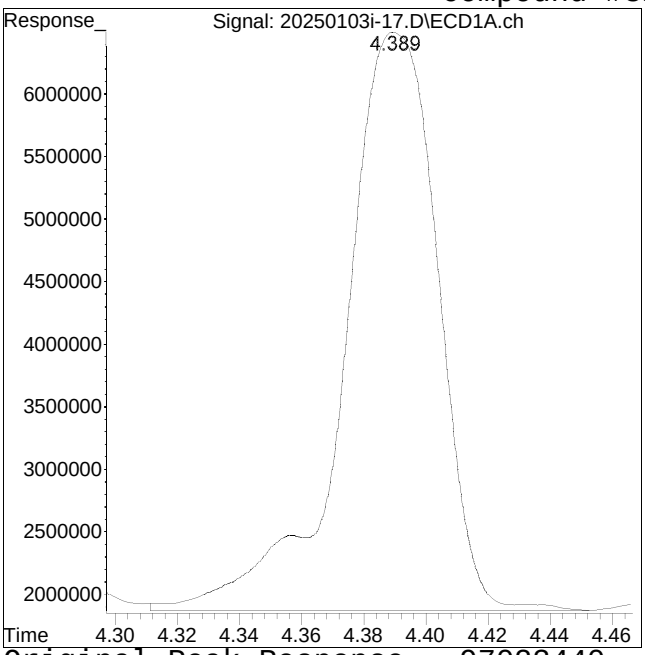


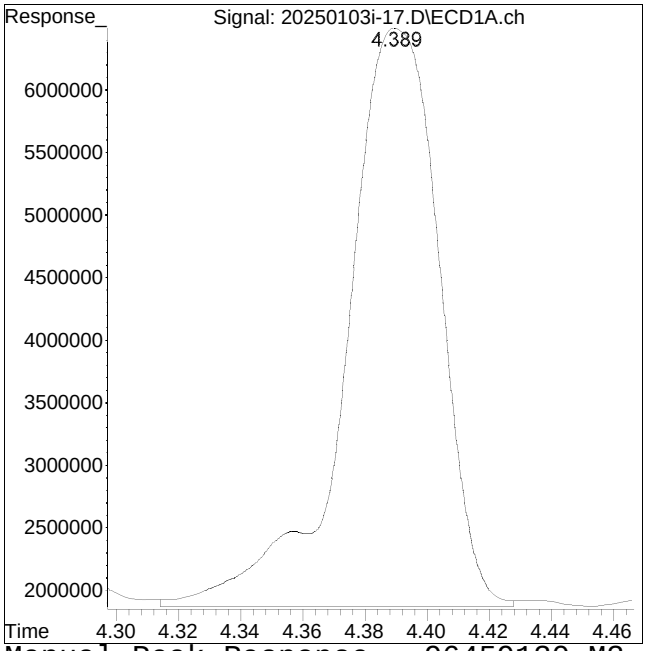
Original Peak Response = 19633004 Manual Peak Response = 19297193 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-17.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 14:58 Instrument : PEST 20
Sample : il5chlor,42e,,pp 11939 L0.Quant Date : 1/6/2025 11:56 am

Compound #32: chlordane-5





Original Peak Response = 97023440 Manual Peak Response = 96459130 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-18.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 15:10
Operator : pest20:ejl
Sample : il7chlor,42e,,pp 11939 L0.5
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 11:55:17 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 11:55:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.802	1.853	86431747	162.3E6	25.000M3	25.000M4
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-18.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 15:10
Operator : pest20:ejl
Sample : il7chlor,42e,,pp 11939 L0.5
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 11:55:17 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 11:55:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)		Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)		Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29)	l1	chlordane-1	3.193	3.489	68365187	122.8E6	505.293	562.897
30)	l1	chlordane-3	3.656	4.127	85837873	139.2E6	531.240	596.746
31)	l1	chlordane-4	4.255	4.833	295.0E6	494.4E6	497.623	559.306
32)	l1	chlordane-5	4.390	5.004	456.9E6	394.4E6	499.615M3	562.880
		Sum chlordane-1			906.1E6	1150.8E6	NoCal	NoCal D
		Average chlordane-1					508.443	570.457
34)	l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35)	l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36)	l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37)	l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
		Sum toxaphene-1			0	0	N.D.	N.D.
		Average toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

		Sum toxaphene-1			0	0	N.D.	N.D.
		Average toxaphene-1					0.000	0.000

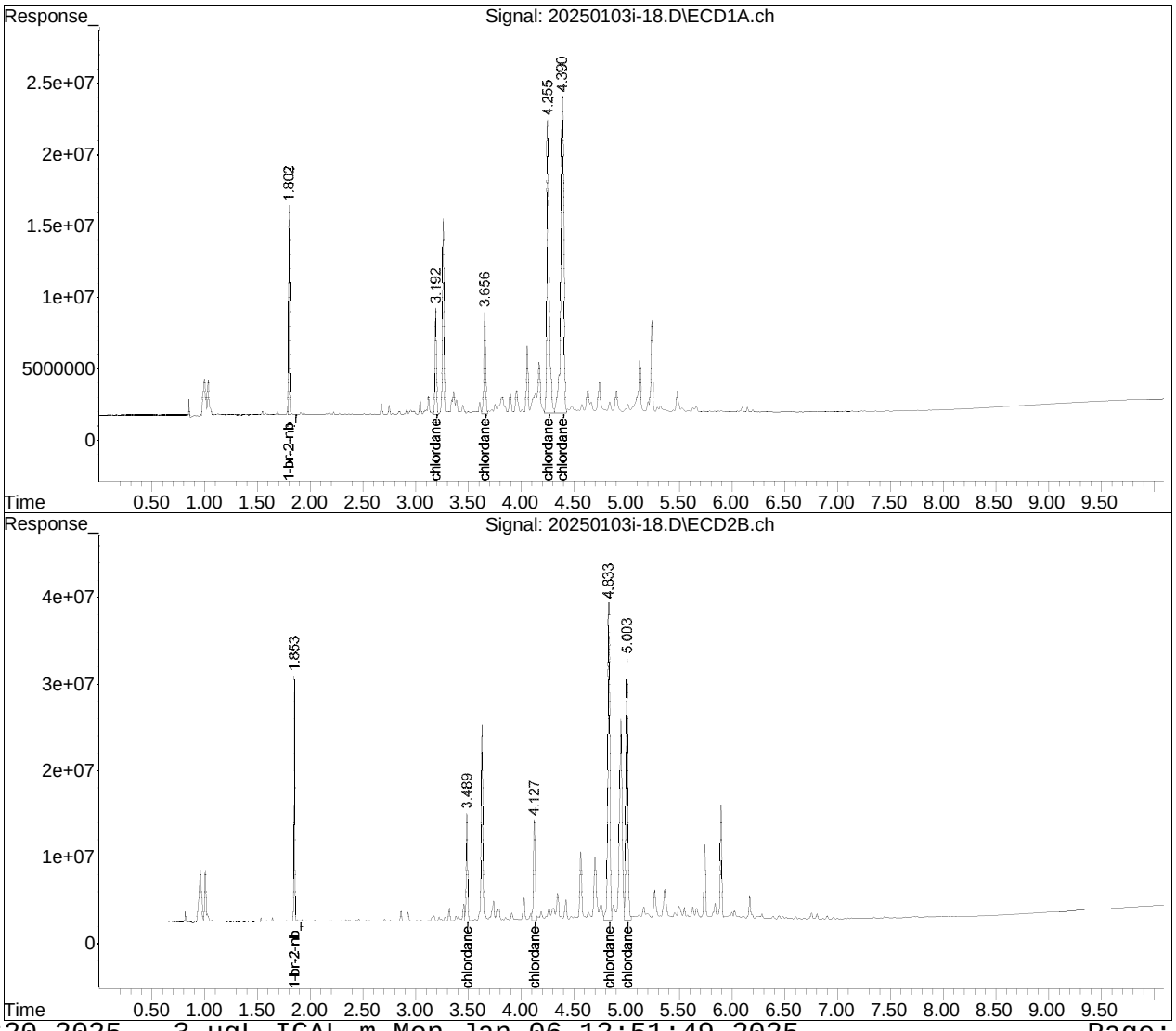
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-18.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 15:10
Operator : pest20:ejl
Sample : il7chlor,42e,,pp 11939 L0.5
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 11:55:17 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 11:55:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

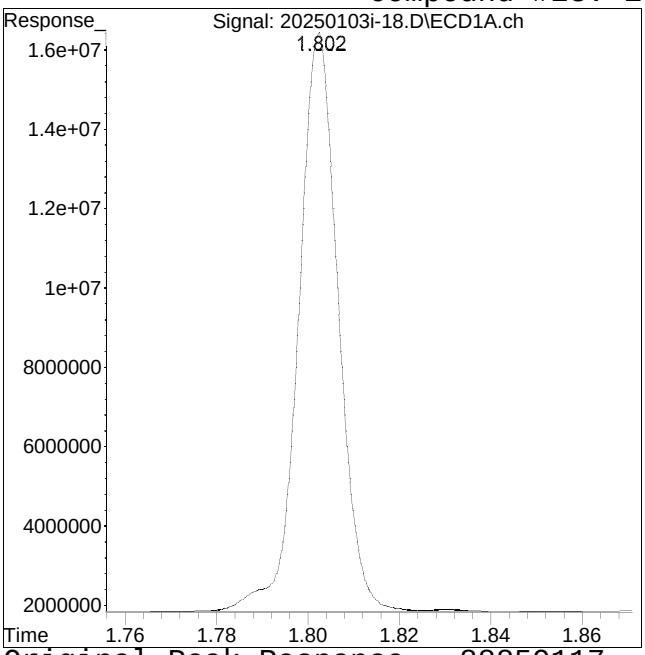


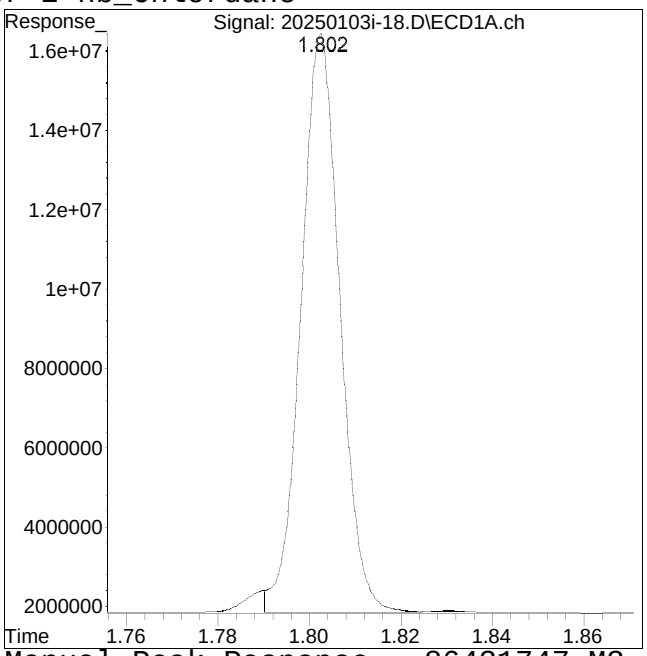
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-18.D
Date Inj'd : 1/3/2025 15:10
Sample : il7chlor,42e,,pp 11939 L0.

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:55 am

Compound #28: 1-br-2-nb_Chlordane





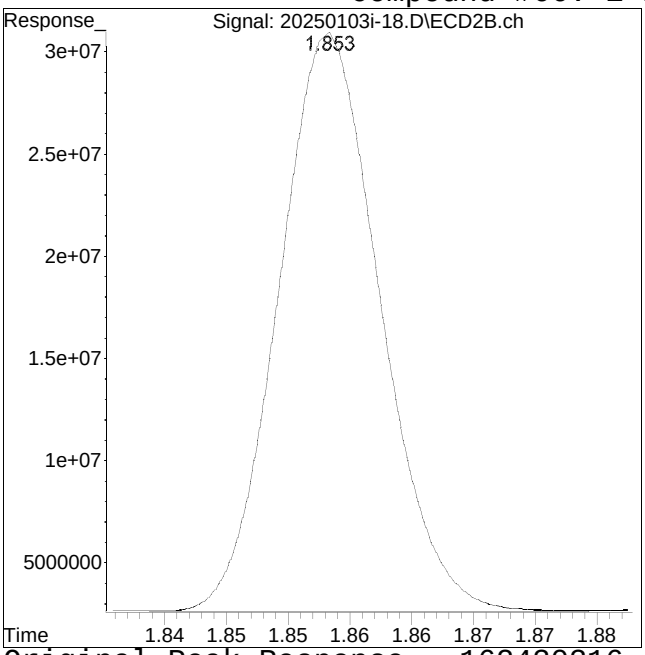
Original Peak Response = 88859117 Manual Peak Response = 86431747 M3

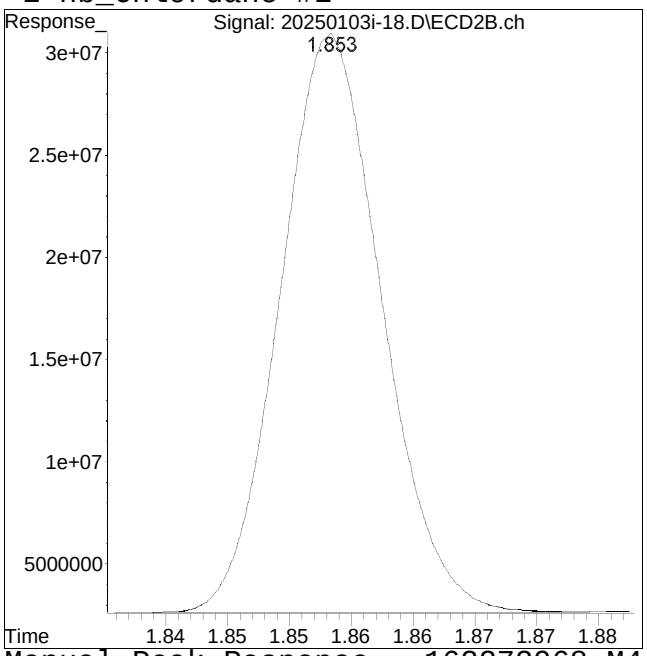
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-18.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 15:10 Instrument : PEST 20
Sample : il7chlor,42e,,pp 11939 L0.Quant Date : 1/6/2025 11:55 am

Compound #66: 1-br-2-nb_Chlordane #2



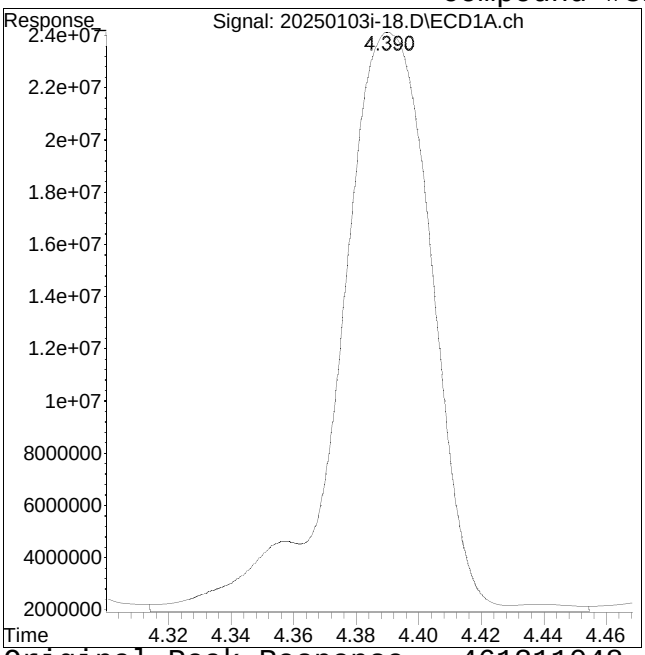


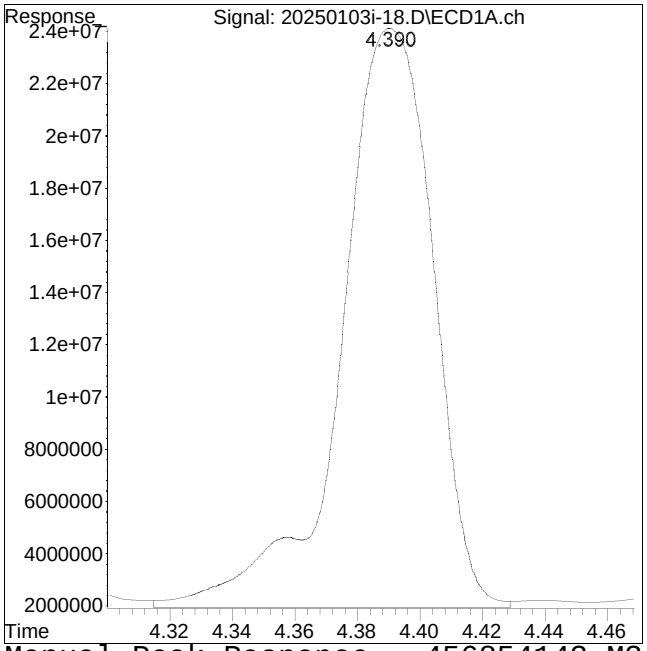
Original Peak Response = 162430316 Manual Peak Response = 162272968 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-18.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 15:10 Instrument : PEST 20
Sample : il7chlor,42e,,pp 11939 L0.Quant Date : 1/6/2025 11:55 am

Compound #32: chlordane-5





Original Peak Response = 461311048 Manual Peak Response = 456854143 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-19.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 15:23
Operator : pest20:ejl
Sample : il8chlor,42e,,pp 11939 L1.0
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 11:52:09 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 11:51:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.802	1.853	84272685	161.5E6	25.000M3	25.000M4
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-19.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 15:23
Operator : pest20:ejl
Sample : il8chlor,42e,,pp 11939 L1.0
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 11:52:09 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 11:51:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	3.192	3.489	132.3E6	238.0E6	NoCal	NoCal
30) l1	chlordane-3	3.656	4.128	162.2E6	261.9E6	NoCal	NoCal
31) l1	chlordane-4	4.255	4.833	581.2E6	966.1E6	NoCal	NoCal
32) l1	chlordane-5	4.390	5.004	899.7E6	769.9E6	NoCal	NoCal
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

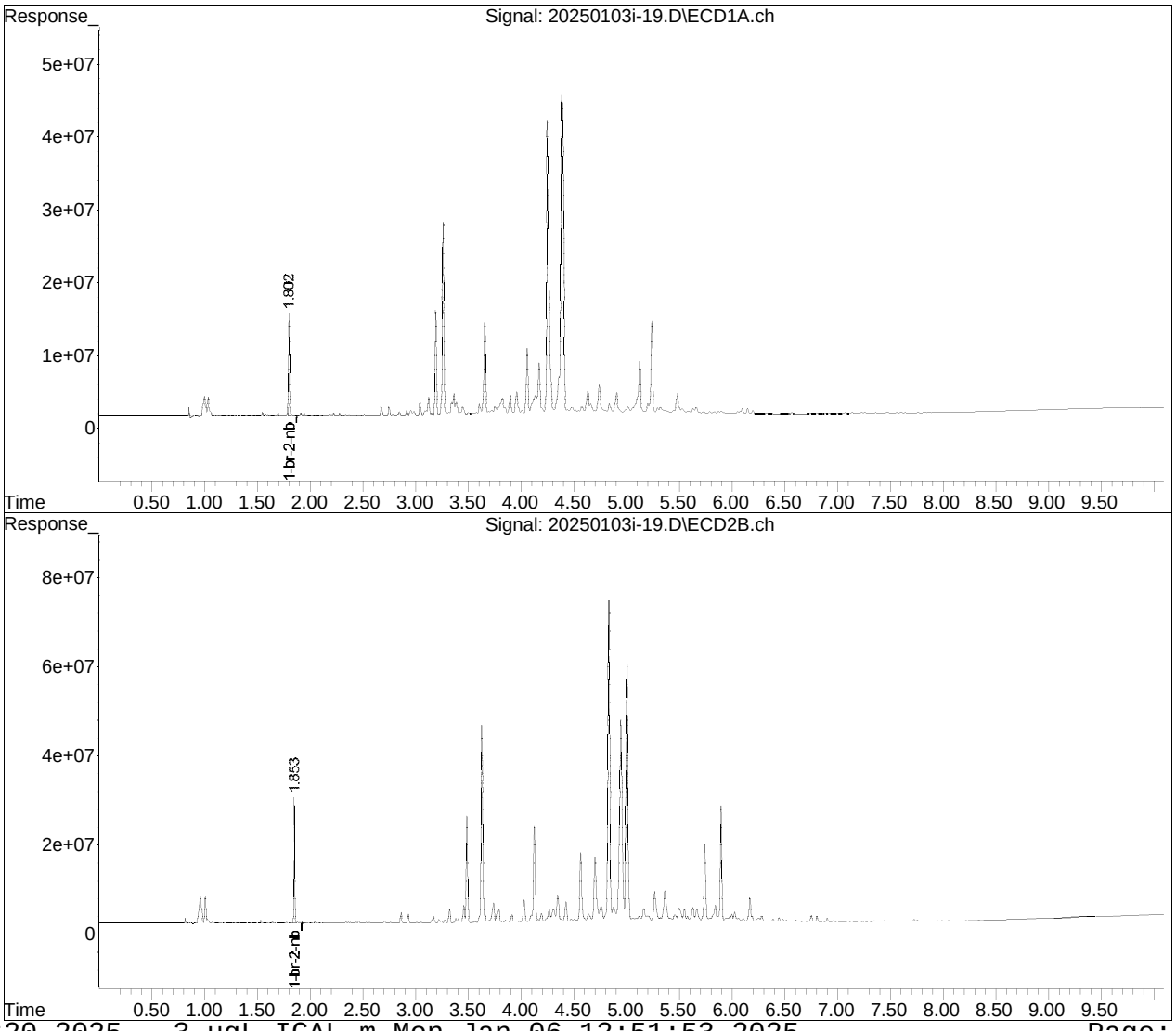
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-19.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 15:23
Operator : pest20:ejl
Sample : il8chlor,42e,,pp 11939 L1.0
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 11:52:09 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 11:51:33 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

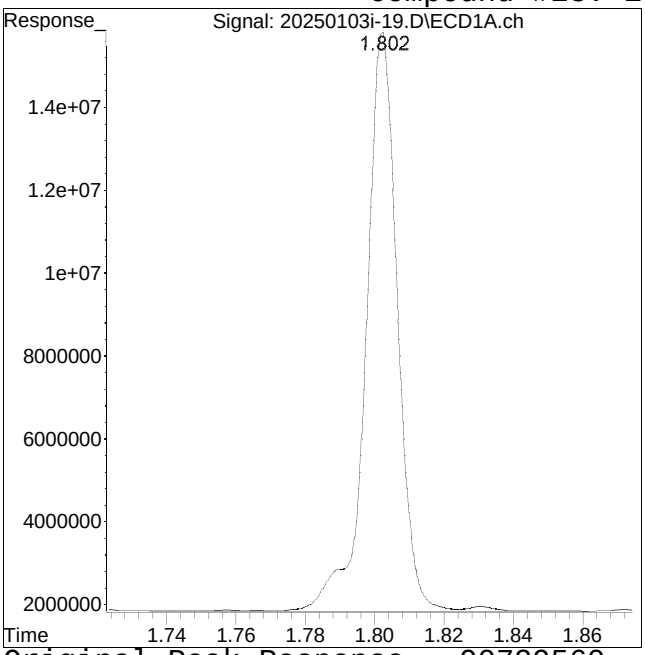


Manual Integration Report

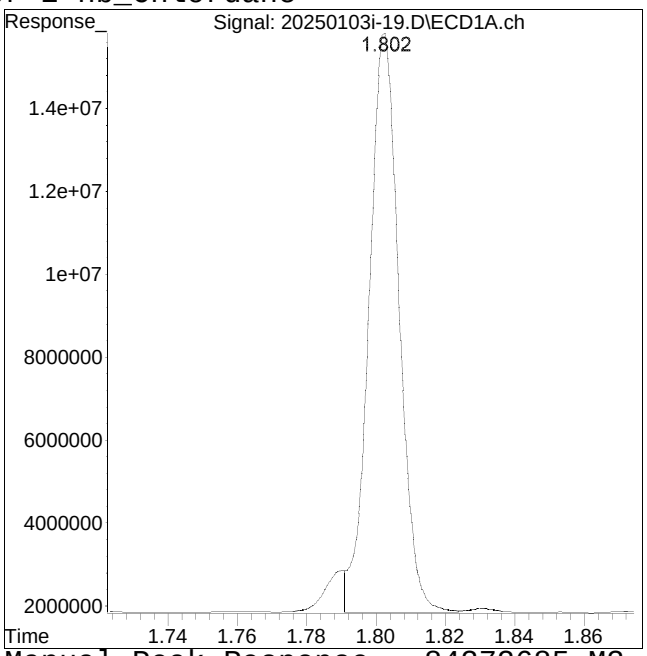
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-19.D
Date Inj'd : 1/3/2025 15:23
Sample : il8chlor,42e,,pp 11939 L1.

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:52 am

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 90729560



Manual Peak Response = 84272685 M3

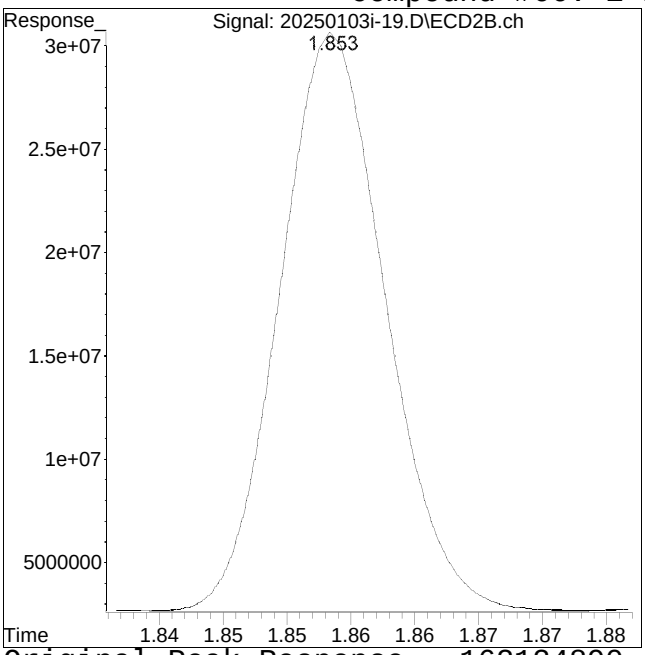
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

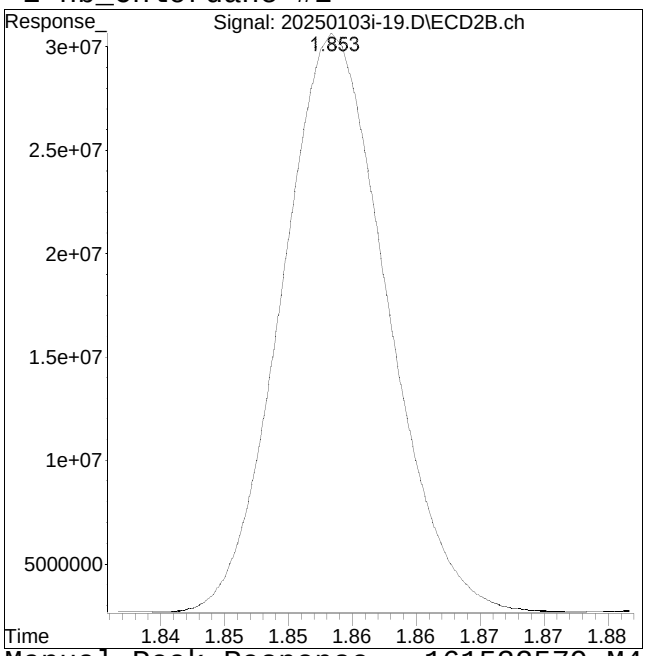
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-19.D
Date Inj'd : 1/3/2025 15:23
Sample : il8chlor,42e,,pp 11939 L1.

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:52 am

Compound #66: 1-br-2-nb_Chlordane #2



Original Peak Response = 162124890



Manual Peak Response = 161532579 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-20.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 15:35
Operator : pest20:ejl
Sample : il9chlor,42e,,pp 11939 L2.0
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 11:52:56 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 11:52:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.802	1.854	83727644	169.3E6	25.000M3	25.000M4
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-20.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 15:35
Operator : pest20:ejl
Sample : il9chlor,42e,,pp 11939 L2.0
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 11:52:56 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 11:52:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)		Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)		Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29)	l1	chlordane-1	3.192	3.489	259.8E6	465.8E6	1977.078	1866.873
30)	l1	chlordane-3	3.656	4.128	310.4E6	497.1E6	1926.535	1810.748
31)	l1	chlordane-4	4.255	4.833	1137.2E6	1881.4E6	1969.229	1857.694
32)	l1	chlordane-5	4.390	5.003	1750.5E6	1486.6E6	1958.288M3	1841.907
		Sum chlordane-1			3457.9E6	4330.9E6	NoCal	NoCal D
		Average chlordane-1					1957.782	1844.306
34)	l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35)	l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36)	l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37)	l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
		Sum toxaphene-1			0	0	N.D.	N.D.
		Average toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

		Sum toxaphene-1			0	0	N.D.	N.D.
		Average toxaphene-1					0.000	0.000

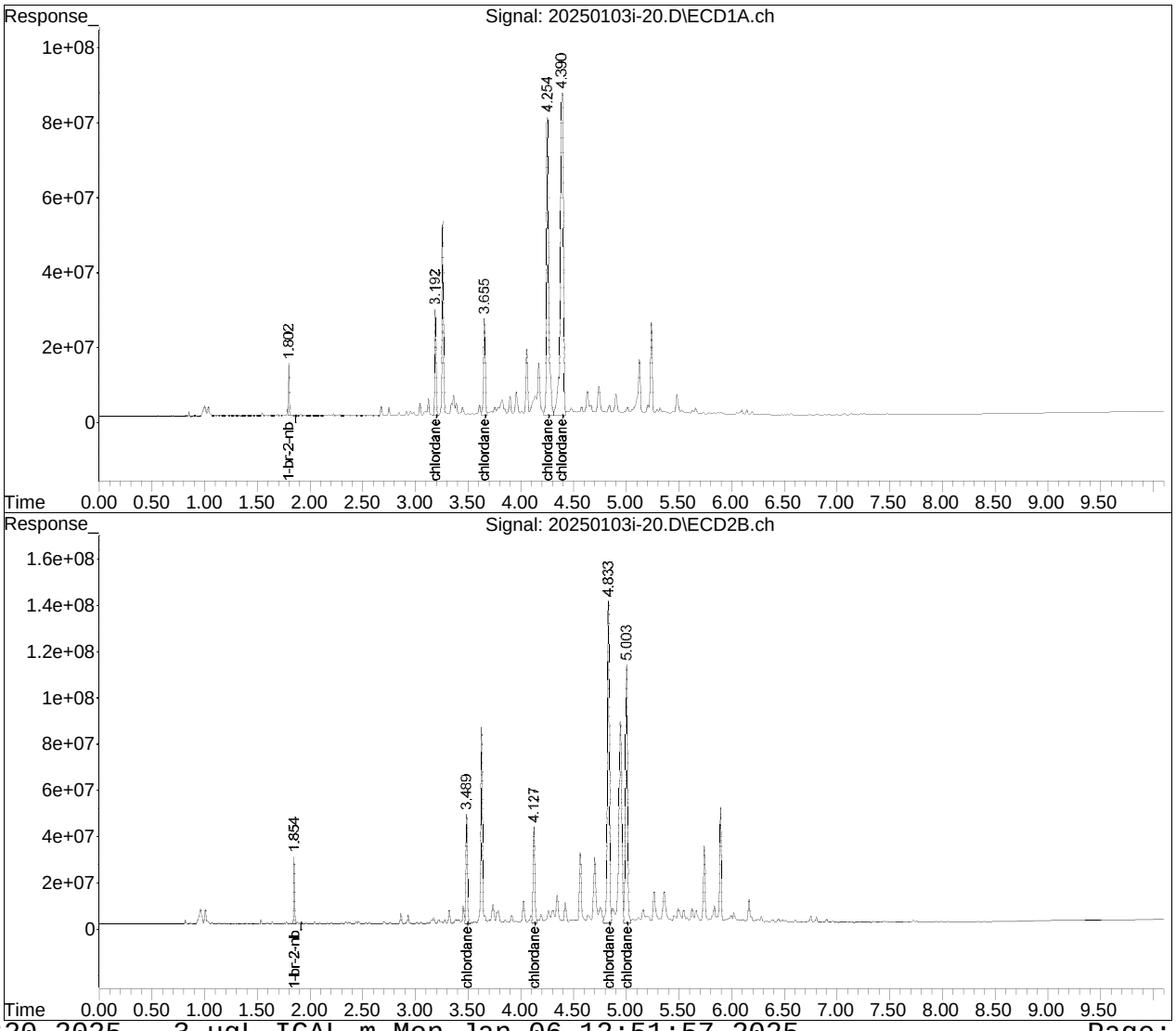
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-20.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 15:35
Operator : pest20:ejl
Sample : il9chlor,42e,,pp 11939 L2.0
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 11:52:56 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 11:52:47 2025
Response via : Initial Calibration
Integrator: ChemStation

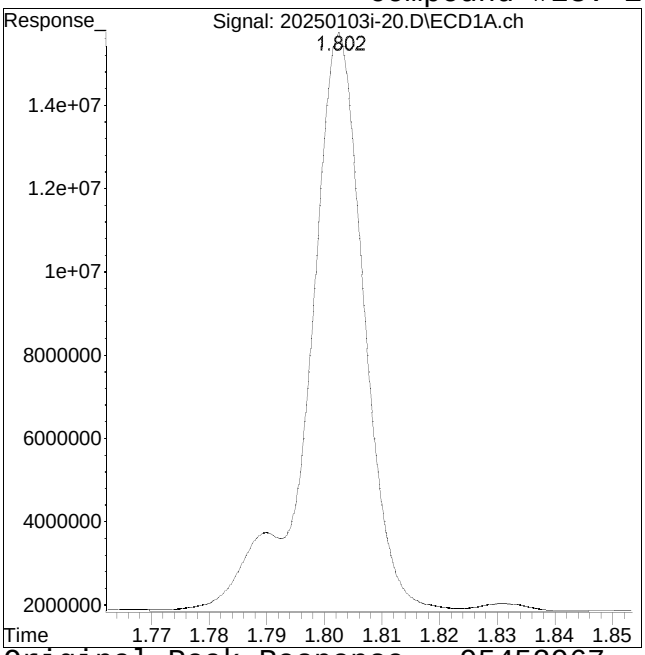
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

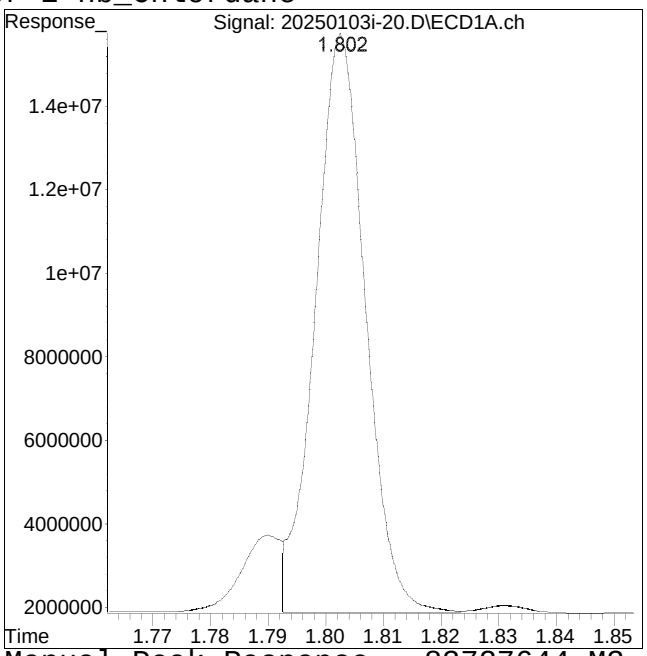


Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-20.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 15:35 Instrument : PEST 20
Sample : il9chlor,42e,,pp 11939 L2.Quant Date : 1/6/2025 11:52 am

Compound #28: 1-br-2-nb_Chlordane



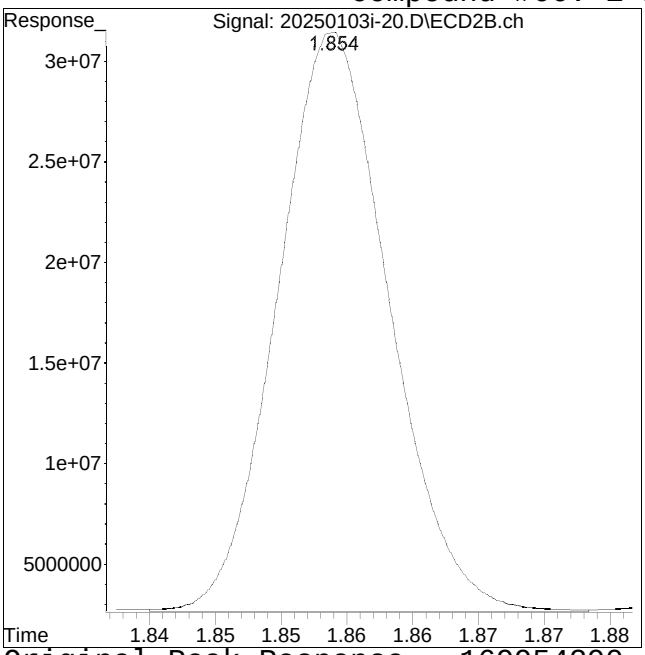


Original Peak Response = 95452967 Manual Peak Response = 83727644 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

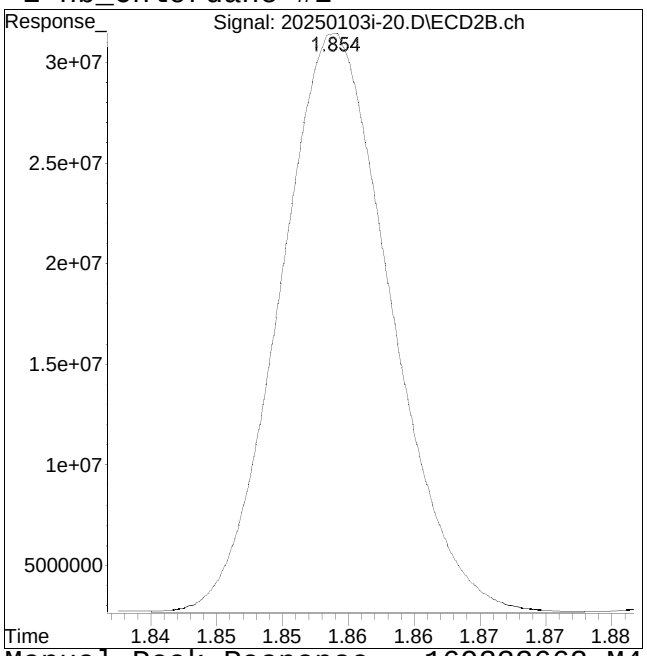
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-20.D
Date Inj'd : 1/3/2025 15:35
Sample : il9chlor,42e,,pp 11939 L2.
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 11:52 am

Compound #66: 1-br-2-nb_Chlordane #2



Original Peak Response = 169954290



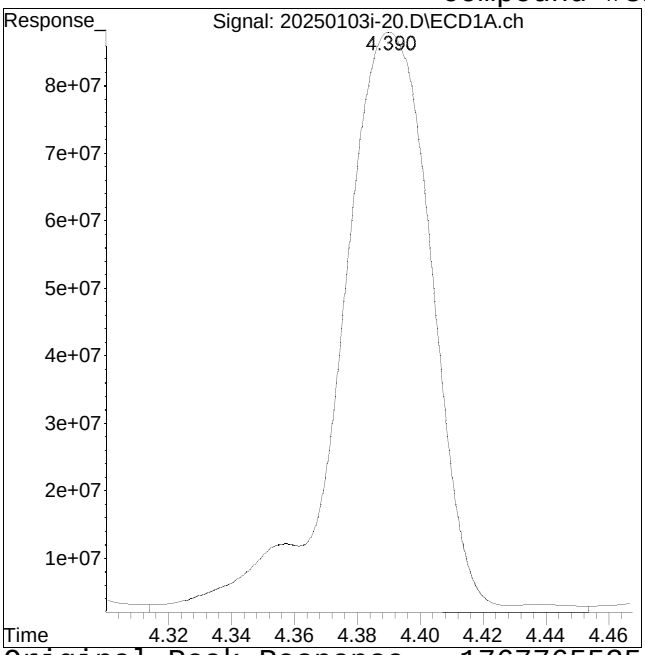
Manual Peak Response = 169333662 M4

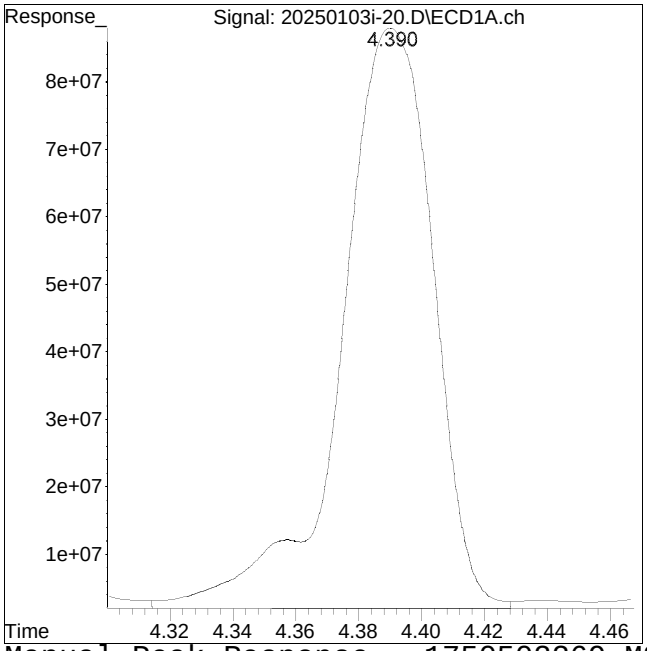
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-20.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 15:35 Instrument : PEST 20
Sample : il9chlor,42e,,pp 11939 L2.Quant Date : 1/6/2025 11:52 am

Compound #32: chlordane-5





Original Peak Response = 1767765535 Manual Peak Response = 1750502269 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-22.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 03 Jan 2025 16:00
Operator : pest20:ejl
Sample   : cicvchlor,42e,,pp 11924 L1.0ICV
Misc   : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 22   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 12:03:21 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 12:03:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	100	0.00
29	l1	chlordane-1		*1000.000	843.473	15.7	85	0.00
30	l1	chlordane-3		*1000.000	839.895	16.0	84	0.00
31	l1	chlordane-4		*1000.000	823.994	17.6	83	0.00
32	l1	chlordane-5		*1000.000	910.595	8.9	91	0.00

Signal #2

28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	96	0.00
29	l1	chlordane-1		*1000.000	918.885	8.1	85	0.00
30	l1	chlordane-3		*1000.000	905.866	9.4	83	0.00
31	l1	chlordane-4		*1000.000	878.466	12.2	81	0.00
32	l1	chlordane-5		*1000.000	866.185	13.4	79	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.80#
2	s	2,4,5,6-Tetrachloro-m-xylen		1.173	0.000	100.0#	0#	-2.26#
3		Hexachlorobenzene		1.275	0.000	100.0#	0#	-2.52#
4		alpha-BHC		1.456	0.000	100.0#	0#	-2.64#
5		gamma-BHC (lindane)		1.399	0.000	100.0#	0#	-2.87#
6		beta-BHC		0.673	0.000	100.0#	0#	-2.94#
7		delta-BHC		1.367	0.000	100.0#	0#	-3.08#
8		Heptachlor		1.361	0.000	100.0#	0#	-3.26#
9		Aldrin		1.290	0.000	100.0#	0#	-3.53#
10		Alachlor		0.231	0.000	100.0#	0#	-3.67#
11		Chlorpyrifos	*	50.000	0.000	100.0#	0	-3.77#
12		Heptachlor Epoxide		1.249	0.000	100.0#	0#	-4.12#
13		gamma-Chlordane (trans)		1.140	0.000	100.0#	0#	-4.25#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-22.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 03 Jan 2025 16:00
Operator : pest20:ejl
Sample   : cicvchlor,42e,,pp 11924 L1.0ICV
Misc   : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 22   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 12:03:21 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 12:03:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
14		alpha-Chlordane (cis)		1.300	0.000	100.0#	0#	-4.40#
15		4,4'-DDE		1.256	0.000	100.0#	0#	-4.50#
16		Endosulfan I		1.202	0.000	100.0#	0#	-4.54#
17		Dieldrin		1.238	0.000	100.0#	0#	-4.82#
18		Endrin		1.270	0.000	100.0#	0#	-5.07#
19		4,4'-DDD		1.010	0.000	100.0#	0#	-5.18#
20		Endosulfan II		1.112	0.000	100.0#	0#	-5.31#
21		4,4'-DDT		1.094	0.000	100.0#	0#	-5.46#
22		Endrin Aldehyde	*	50.000	0.000	100.0#	0	-5.72#
23		Methoxychlor		0.632	0.000	100.0#	0#	-5.95#
24		Mirex	*	50.000	0.000	100.0#	0	-6.00#
25		Endosulfan Sulfate		1.066	0.000	100.0#	0#	-6.11#
26		Endrin Ketone		1.216	0.000	100.0#	0#	-6.33#
27	s	Decachlorobiphenyl	*	50.000	0.000	100.0#	0	-7.14#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.80#
34	l2	toxaphene-1		0.065	0.000	100.0#	0#	-5.30#
35	l2	toxaphene-2		0.038	0.000	100.0#	0#	-5.83#
36	l2	toxaphene-4		0.055	0.000	100.0#	0#	-5.93#
37	l2	toxaphene-5		0.046	0.000	100.0#	0#	-6.01#

Signal #2

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.85#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.114	0.000	100.0#	0#	-2.44#
3		Hexachlorobenzene		1.189	0.000	100.0#	0#	-2.79#
4		alpha-BHC		1.411	0.000	100.0#	0#	-2.90#
5		gamma-BHC (lindane)		1.343	0.000	100.0#	0#	-3.21#
6		beta-BHC		0.637	0.000	100.0#	0#	-3.29#
7		delta-BHC		1.307	0.000	100.0#	0#	-3.57#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-22.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 03 Jan 2025 16:00
Operator : pest20:ejl
Sample   : cicvchlor,42e,,pp 11924 L1.0ICV
Misc   : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 22   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 12:03:21 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 12:03:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
8		Heptachlor		1.281	0.000	100.0#	0#	-3.63#
9		Aldrin		1.197	0.000	100.0#	0#	-3.96#
10		Alachlor		0.192	0.000	100.0#	0#	-3.85#
11		Chlorpyrifos		0.634	0.000	100.0#	0#	-4.22#
12		Heptachlor Epoxide		1.164	0.000	100.0#	0#	-4.60#
13		gamma-Chlordane (trans)		1.060	0.000	100.0#	0#	-4.83#
14		alpha-Chlordane (cis)		1.191	0.000	100.0#	0#	-5.00#
15		4,4'-DDE		1.107	0.000	100.0#	0#	-5.21#
16		Endosulfan I		1.116	0.000	100.0#	0#	-5.06#
17		Dieldrin		1.141	0.000	100.0#	0#	-5.36#
18		Endrin		1.205	0.000	100.0#	0#	-5.65#
19		4,4'-DDD		0.878	0.000	100.0#	0#	-5.78#
20		Endosulfan II		1.033	0.000	100.0#	0#	-5.86#
21		4,4'-DDT		1.032	0.000	100.0#	0#	-6.06#
22		Endrin Aldehyde		0.816	0.000	100.0#	0#	-6.15#
23		Methoxychlor		0.555	0.000	100.0#	0#	-6.63#
24		Mirex		0.915	0.000	100.0#	0#	-6.76#
25		Endosulfan Sulfate		0.983	0.000	100.0#	0#	-6.38#
26		Endrin Ketone		1.125	0.000	100.0#	0#	-6.80#
27	s	Decachlorobiphenyl		0.927	0.000	100.0#	0#	-7.70#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.85#
34	l2	toxaphene-1		0.024	0.000	100.0#	0#	-5.82#
35	l2	toxaphene-2		0.036	0.000	100.0#	0#	-5.84#
36	l2	toxaphene-4		0.042	0.000	100.0#	0#	-6.16#
37	l2	toxaphene-5		0.040	0.000	100.0#	0#	-6.57#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-22.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 16:00
Operator : pest20:ejl
Sample : cicvchlor,42e,,pp 11924 L1.0ICV
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 12:03:21 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 12:03:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.802	1.853	85441100	153.9E6	25.000M3	25.000M3
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-22.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 16:00
Operator : pest20:ejl
Sample : cicvchlor,42e,,pp 11924 L1.0ICV
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 12:03:21 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 12:03:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)		Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)		Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29)	l1	chlordane-1	3.192	3.488	113.0E6	202.0E6	843.473	918.885
30)	l1	chlordane-3	3.655	4.127	136.8E6	217.3E6	839.895	905.866
31)	l1	chlordane-4	4.254	4.832	481.9E6	780.1E6	823.994	878.466
32)	l1	chlordane-5	4.387	5.003	821.4E6	610.9E6	910.595	866.185
	Sum	chlordane-1			1553.0E6	1810.4E6	NoCal	NoCal D
Average		chlordane-1					854.489	892.351
34)	l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35)	l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36)	l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37)	l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum	toxaphene-1			0	0	N.D.	N.D.
Average		toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

	Sum	toxaphene-1			0	0	N.D.	N.D.
Average		toxaphene-1					0.000	0.000

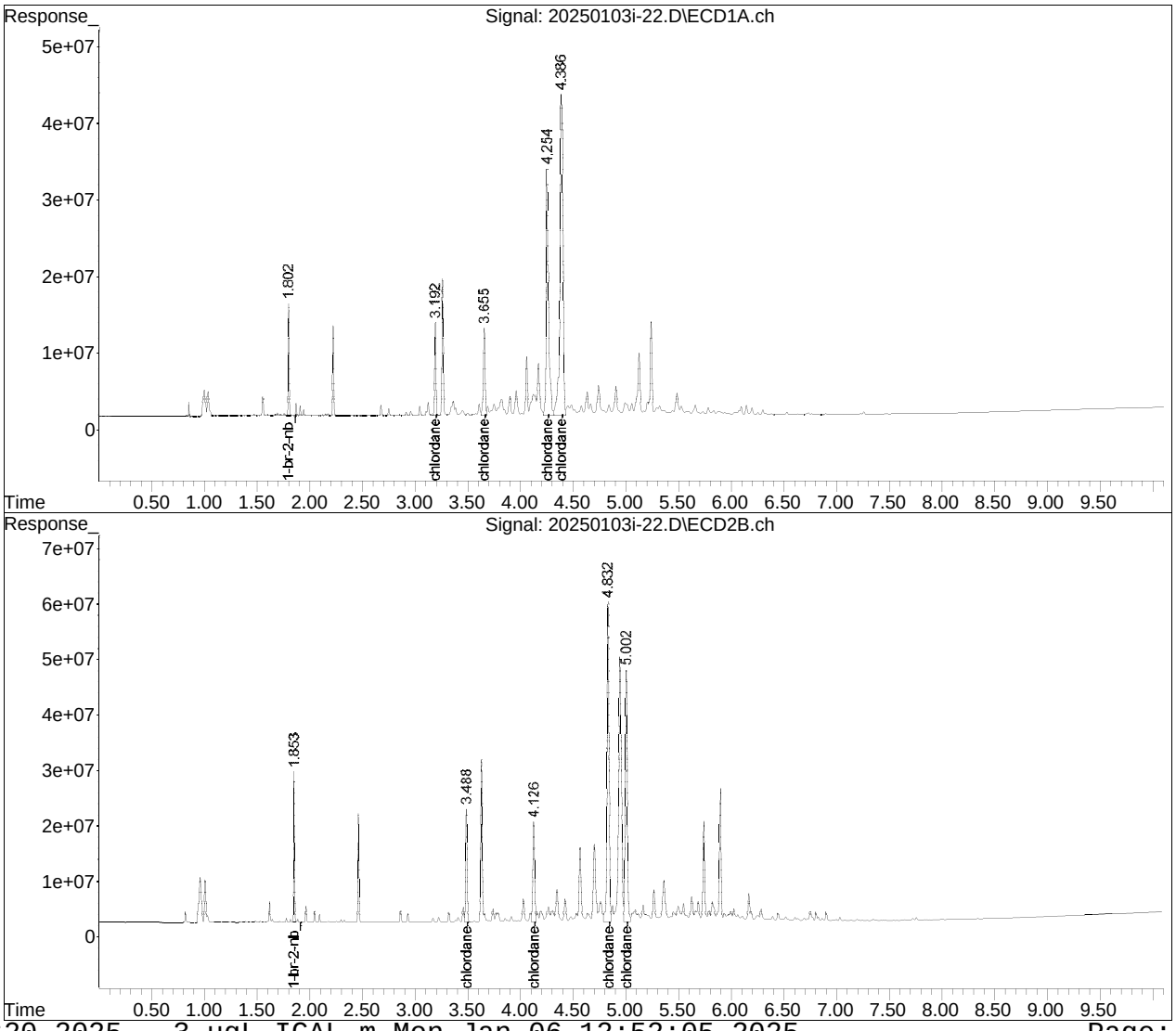
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-22.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 16:00
Operator : pest20:ejl
Sample : cicvchlor,42e,,pp 11924 L1.0ICV
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 12:03:21 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 12:03:11 2025
Response via : Initial Calibration
Integrator: ChemStation

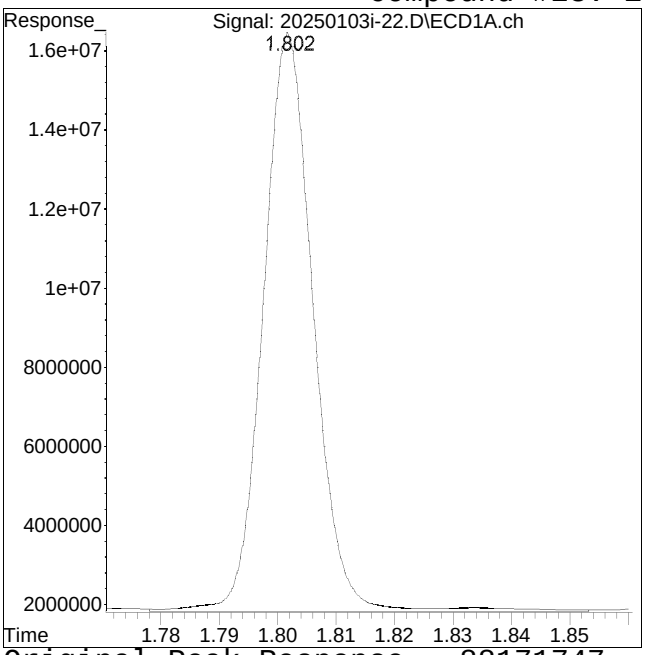
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

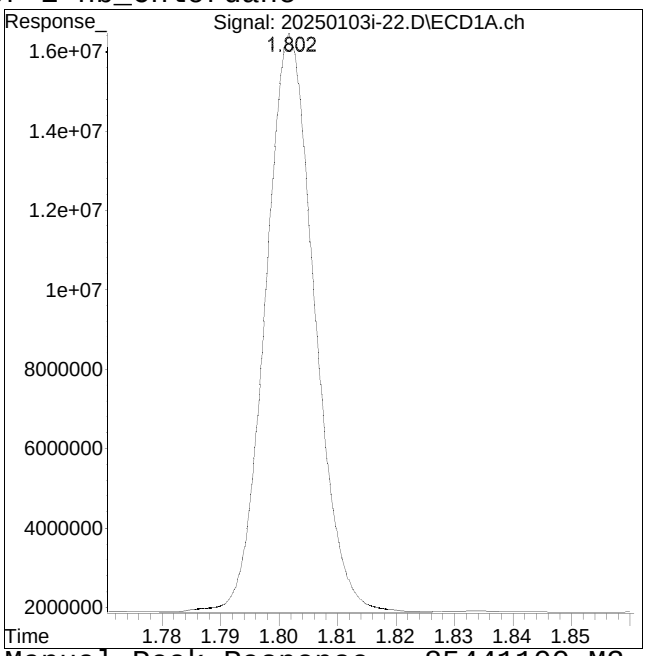


Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-22.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 16:00 Instrument : PEST 20
Sample : cicvchlor,42e,,pp 11924 L1Quant Date : 1/6/2025 12:03 pm

Compound #28: 1-br-2-nb_Chlordane



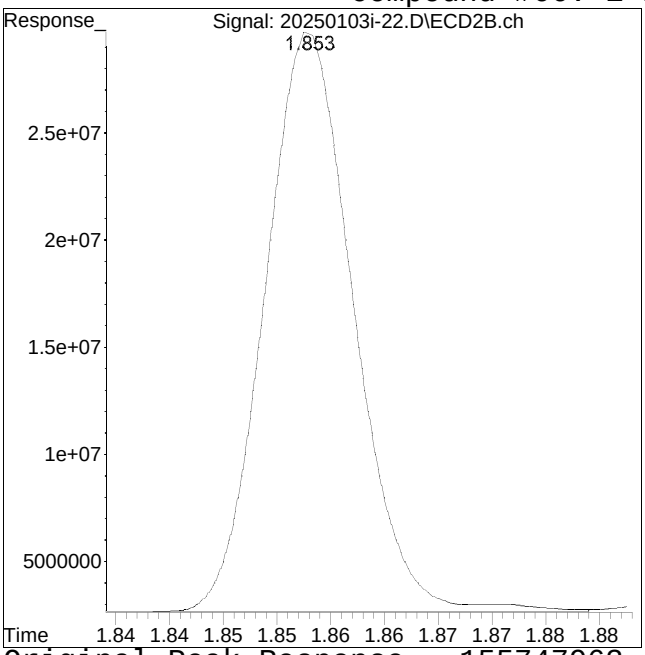


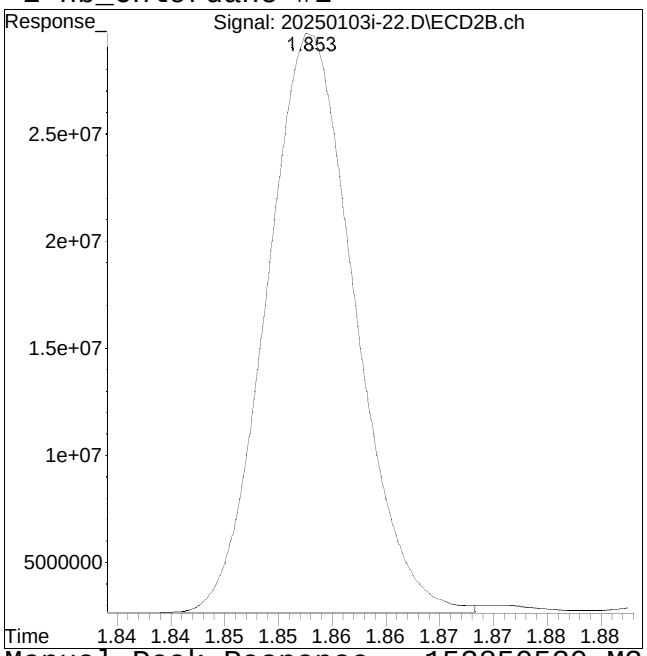
Original Peak Response = 88171747 Manual Peak Response = 85441100 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-22.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 16:00 Instrument : PEST 20
Sample : cicvchlor,42e,,pp 11924 L1Quant Date : 1/6/2025 12:03 pm

Compound #66: 1-br-2-nb_Chlordane #2





Original Peak Response = 155747963 Manual Peak Response = 153850530 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-23.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 16:12
Operator : pest20:ejl
Sample : il3tox,42e,,pp 11948 L0.02
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 12:08:43 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 12:08:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.802	1.853	81627641	149.9E6	25.000	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4)	alpha-BHC	0.000	0.000	0	0	N.D.	N.D.
5)	gamma-BHC (l	0.000	0.000	0	0	N.D.	N.D.
6)	beta-BHC	0.000	0.000	0	0	N.D.	N.D.
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D.	N.D.
9)	Aldrin	0.000	0.000	0	0	N.D.	N.D.
10)	Alachlor	0.000	0.000	0	0	N.D.	N.D.
11)	Chlorpyrifos	0.000	0.000	0	0	N.D.	N.D.
12)	Heptachlor E	0.000	0.000	0	0	N.D.	N.D.
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D.	N.D.
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D.	N.D.
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-23.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 16:12
Operator : pest20:ejl
Sample : il3tox,42e,,pp 11948 L0.02
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 12:08:43 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 12:08:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
24)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D.	N.D.
30) l1	chlordane-3	0.000	0.000	0	0	N.D.	N.D.
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D.	N.D.
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	5.298	5.815	4411146	2638519	20.915	18.382M4
35) l2	toxaphene-2	5.832	5.843	2536216	4504150	20.533M2	21.261M4
36) l2	toxaphene-4	5.930	6.162	3778780	5073570	21.421M4	20.234
37) l2	toxaphene-5	6.014	6.574	3493494	5213426	24.204M4	22.494
Sum	toxaphene-1			14219635	17429664	87.072	82.371
Average	toxaphene-1					21.768	20.593

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			14219635	17429664	87.072	82.371
Average	toxaphene-1					21.768	20.593

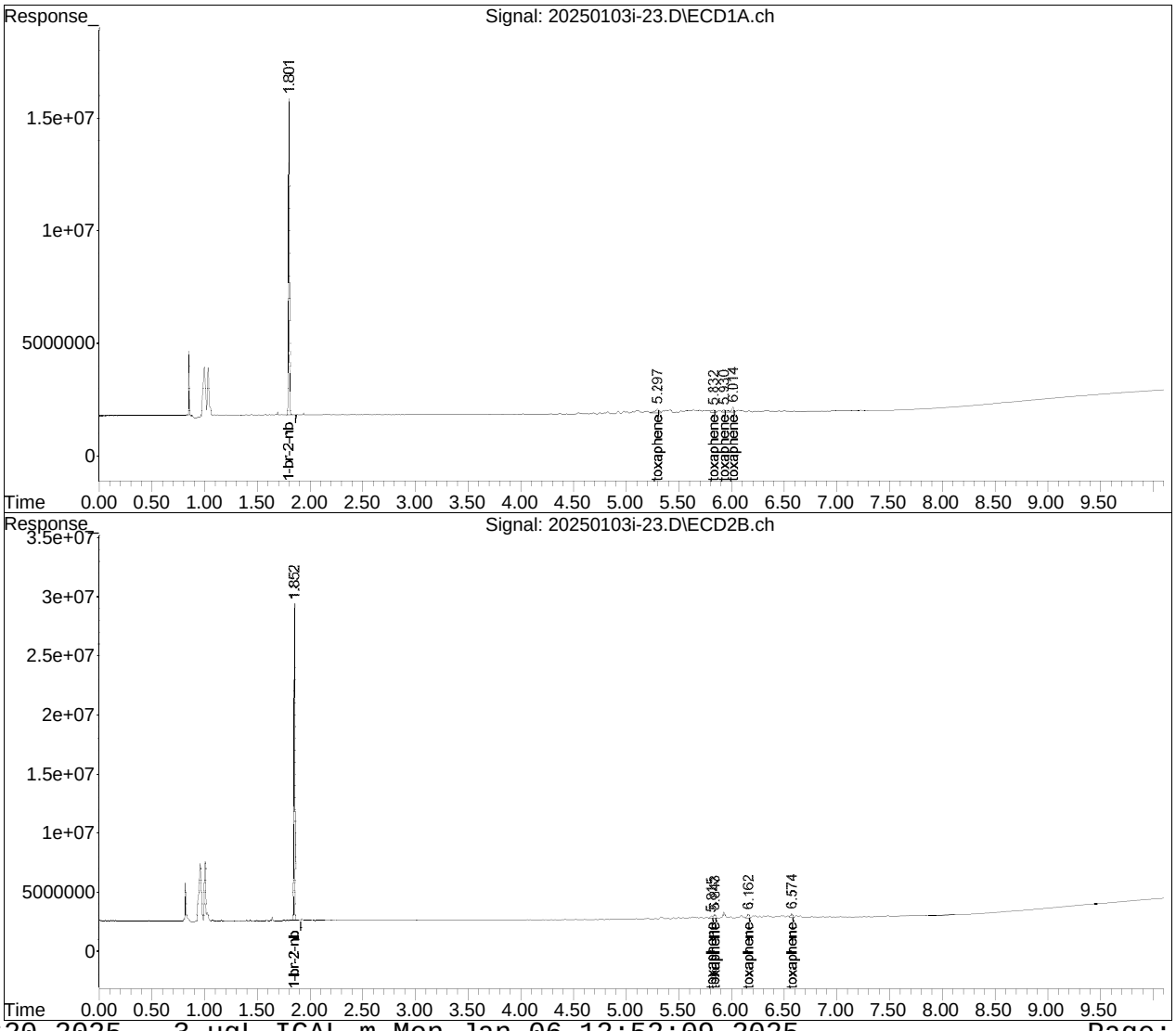
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-23.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 16:12
Operator : pest20:ejl
Sample : il3tox,42e,,pp 11948 L0.02
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 12:08:43 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 12:08:29 2025
Response via : Initial Calibration
Integrator: ChemStation

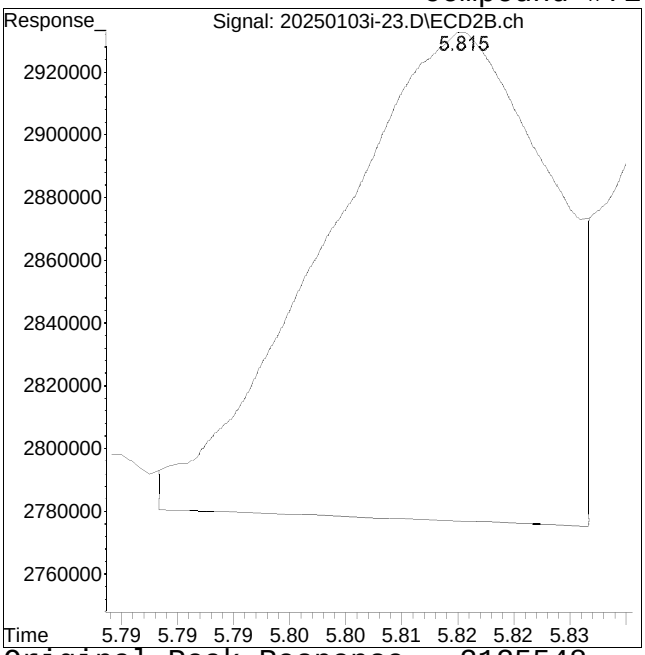
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



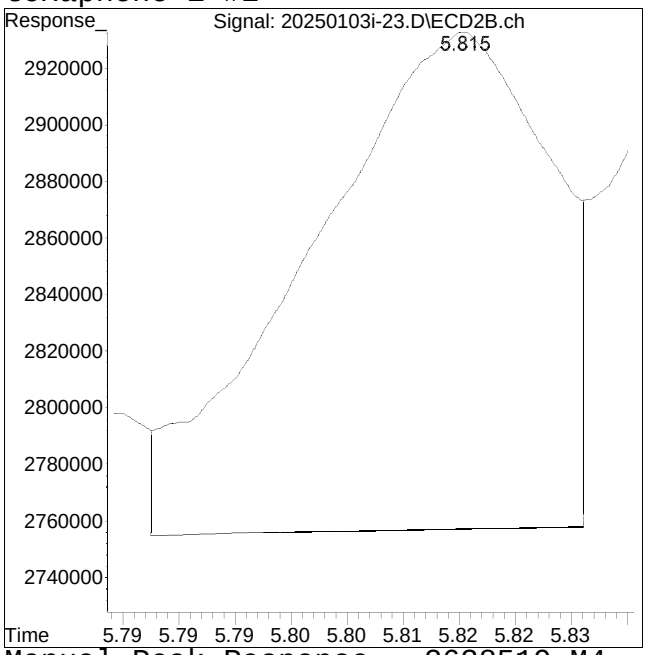
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-23.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 16:12 Instrument : PEST 20
Sample : il3tox,42e,,pp 11948 L0.02Quant Date : 1/6/2025 12:08 pm

Compound #72: toxaphene-1 #2



Original Peak Response = 2125548



Manual Peak Response = 2638519 M4

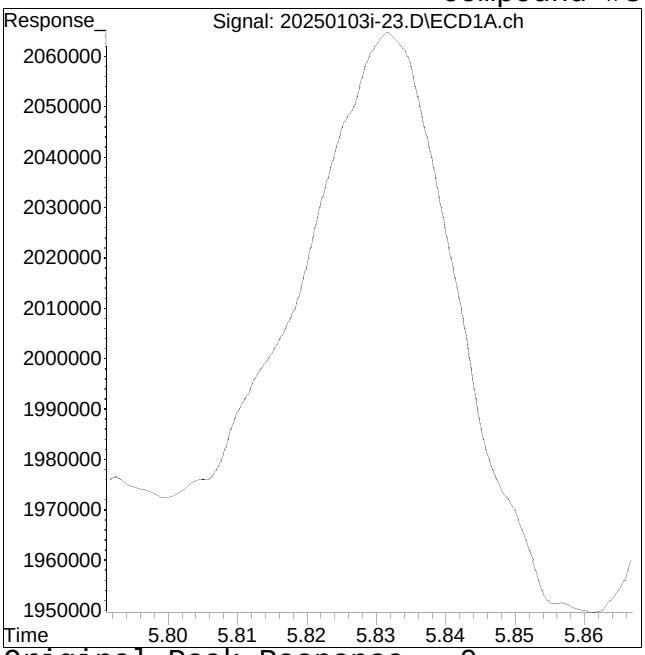
M4 = Poor automated baseline construction.

Manual Integration Report

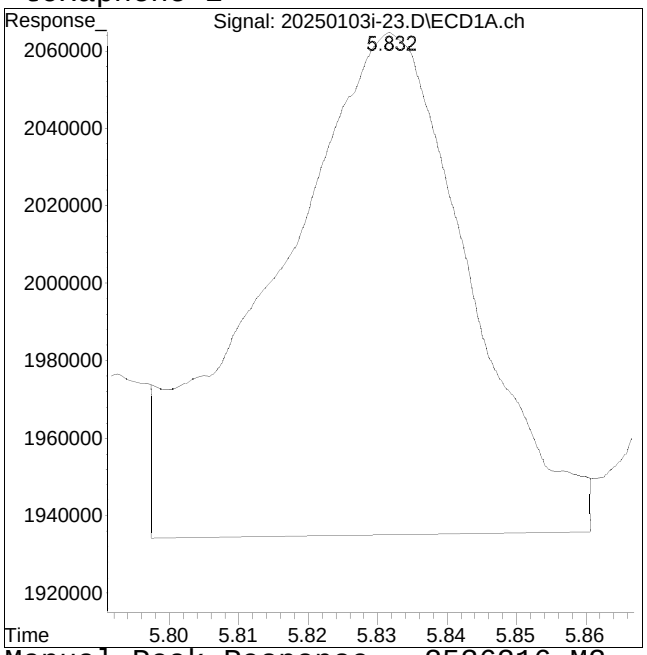
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-23.D
Date Inj'd : 1/3/2025 16:12
Sample : il3tox,42e,,pp 11948 L0.02

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 12:08 pm

Compound #35: toxaphene-2



Original Peak Response = 0



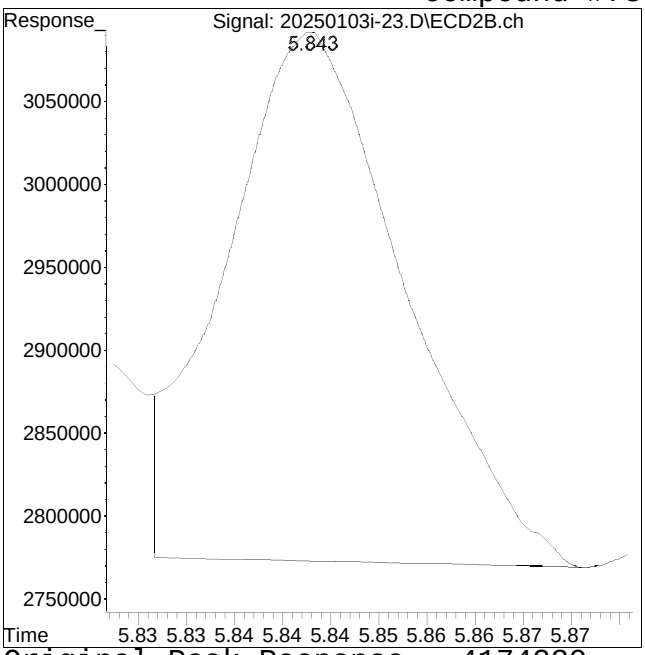
Manual Peak Response = 2536216 M2

M2 = Peak not found by automatic integration algorithm.

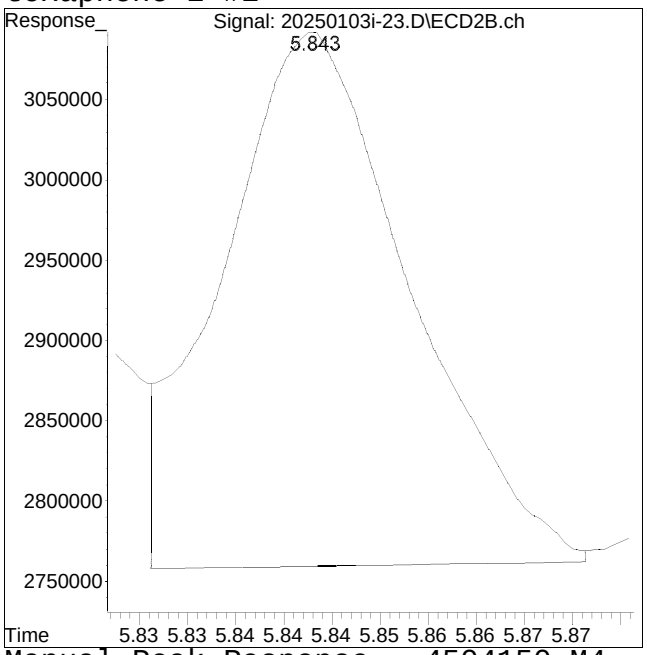
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-23.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 16:12 Instrument : PEST 20
Sample : il3tox,42e,,pp 11948 L0.02Quant Date : 1/6/2025 12:08 pm

Compound #73: toxaphene-2 #2



Original Peak Response = 4174229



Manual Peak Response = 4504150 M4

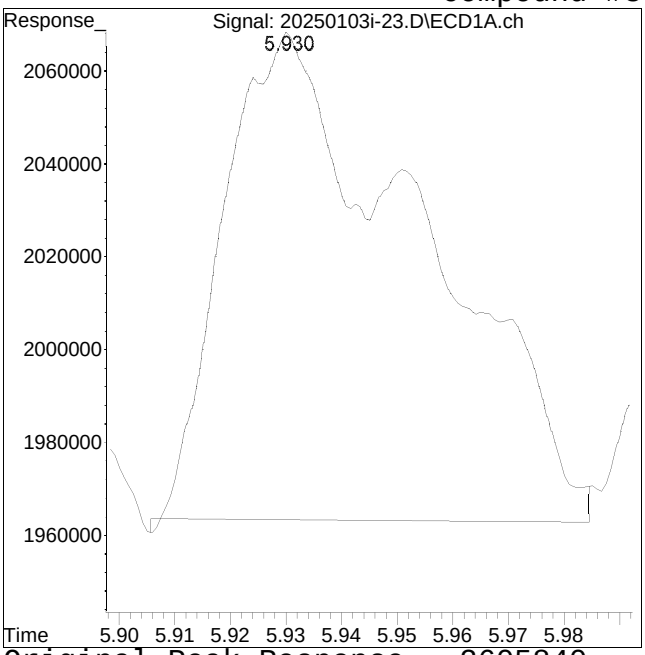
M4 = Poor automated baseline construction.

Manual Integration Report

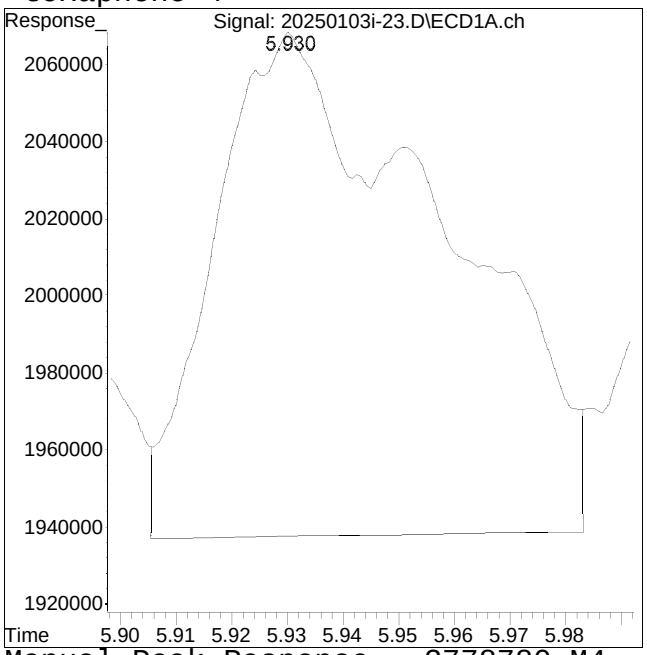
Data Path : I:\PEST\Pest20\2025\250103Q
Data File : 20250103i-23.D
Date Inj'd : 1/3/2025 16:12
Sample : il3tox,42e,,pp 11948 L0.02

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 1/6/2025 12:08 pm

Compound #36: toxaphene-4



Original Peak Response = 2605840



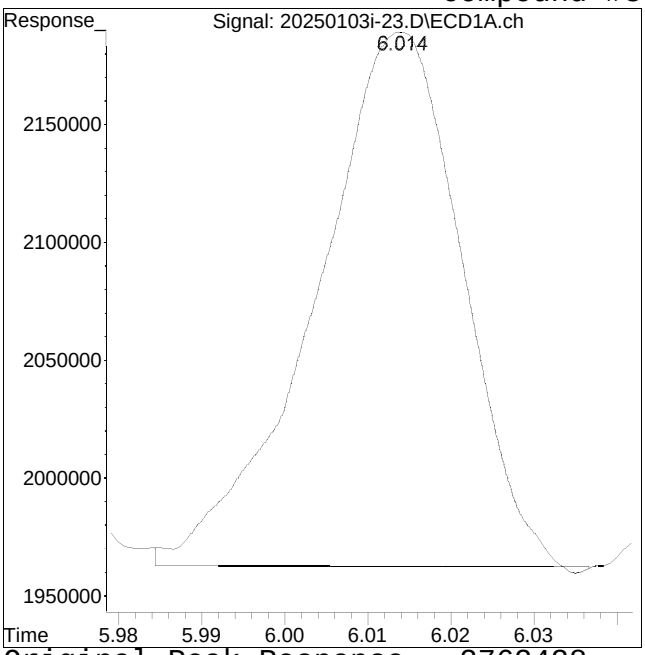
Manual Peak Response = 3778780 M4

M4 = Poor automated baseline construction.

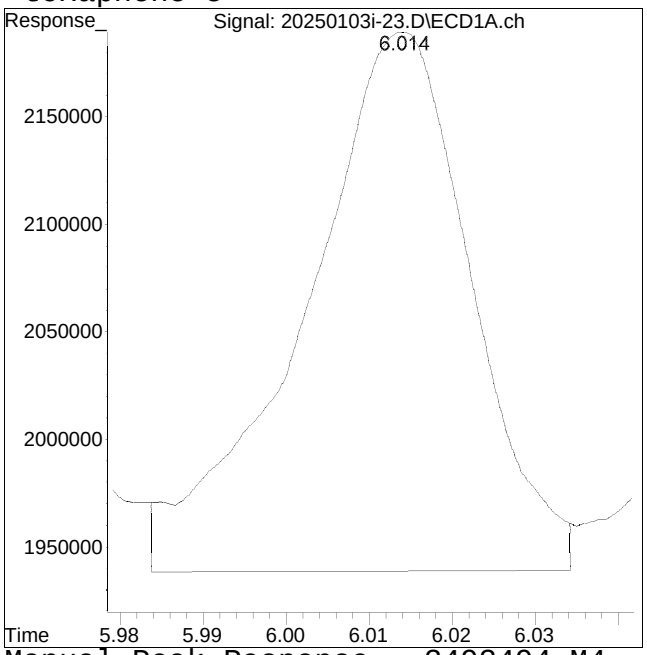
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-23.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 16:12 Instrument : PEST 20
Sample : il3tox,42e,,pp 11948 L0.02Quant Date : 1/6/2025 12:08 pm

Compound #37: toxaphene-5



Original Peak Response = 2762428



Manual Peak Response = 3493494 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-24.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 16:25
Operator : pest20:ejl
Sample : il4tox,42e,,pp 11948 L0.1
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 12:07:54 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 12:07:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.802	1.852	82714617	151.4E6	25.000M3	25.000M3
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4)	alpha-BHC	0.000	0.000	0	0	N.D.	N.D.
5)	gamma-BHC (l	0.000	0.000	0	0	N.D.	N.D.
6)	beta-BHC	0.000	0.000	0	0	N.D.	N.D.
7)	delta-BHC	0.000	0.000	0	0	N.D.	N.D.
8)	Heptachlor	0.000	0.000	0	0	N.D.	N.D.
9)	Aldrin	0.000	0.000	0	0	N.D.	N.D.
10)	Alachlor	0.000	0.000	0	0	N.D.	N.D.
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-24.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 16:25
Operator : pest20:ejl
Sample : il4tox,42e,,pp 11948 L0.1
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 12:07:54 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 12:07:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D.	N.D.
30) l1	chlordane-3	0.000	0.000	0	0	N.D.	N.D.
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	5.297	5.815	22738639	14801599	108.711	102.816
35) l2	toxaphene-2	5.832	5.842	12930206	22384509	104.455	106.246
36) l2	toxaphene-4	5.930	6.162	18635154	25677892	105.747	101.862
37) l2	toxaphene-5	6.014	6.573	15564464	24148594	108.743	104.258
Sum	toxaphene-1			69868463	87012594	427.655	415.181
Average	toxaphene-1					106.914	103.795

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			69868463	87012594	427.655	415.181
Average	toxaphene-1					106.914	103.795

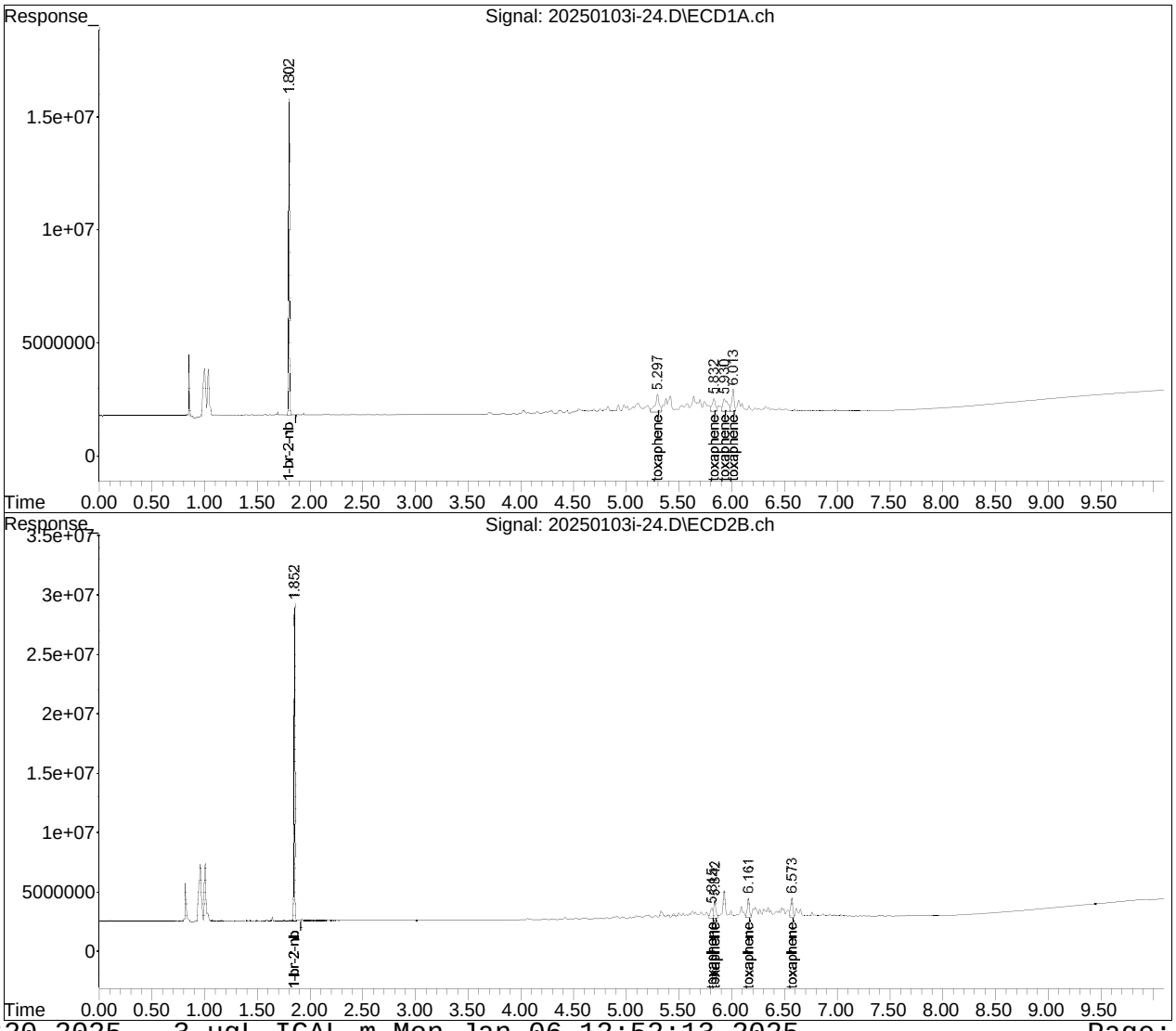
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-24.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 16:25
Operator : pest20:ejl
Sample : il4tox,42e,,pp 11948 L0.1
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 12:07:54 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 12:07:47 2025
Response via : Initial Calibration
Integrator: ChemStation

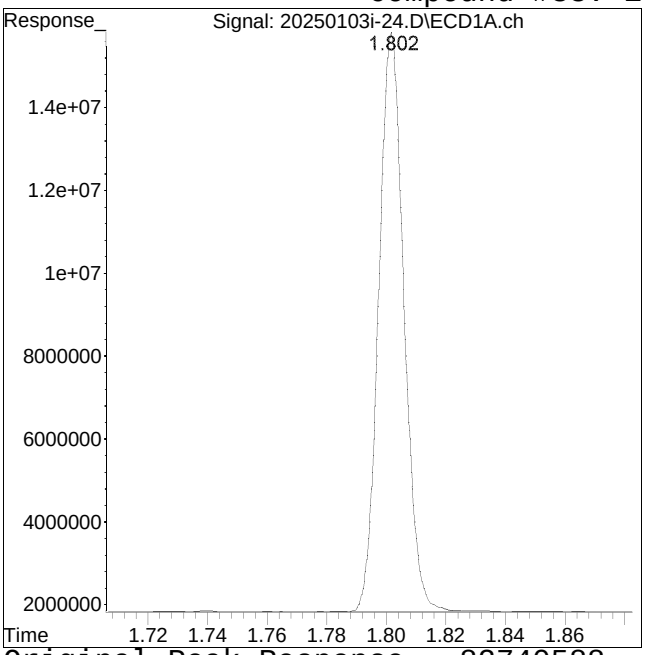
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

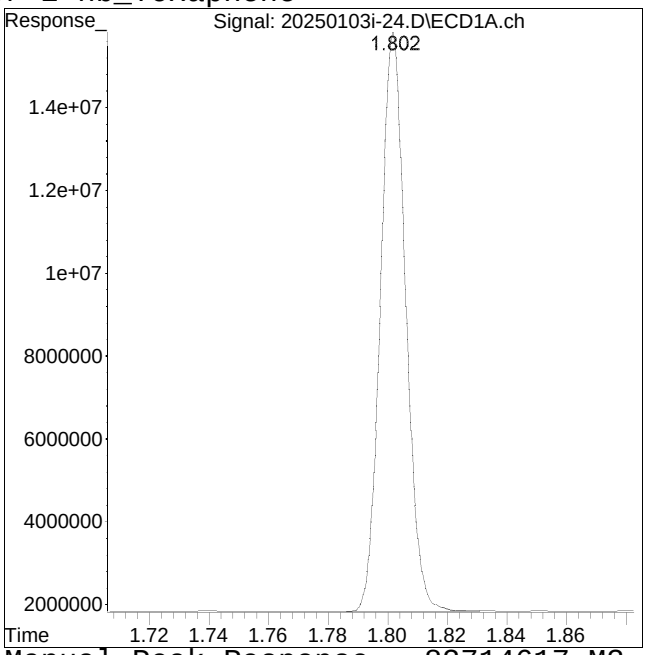


Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-24.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 16:25 Instrument : PEST 20
Sample : il4tox,42e,,pp 11948 L0.1 Quant Date : 1/6/2025 12:07 pm

Compound #33: 1-br-2-nb_Toxaphene



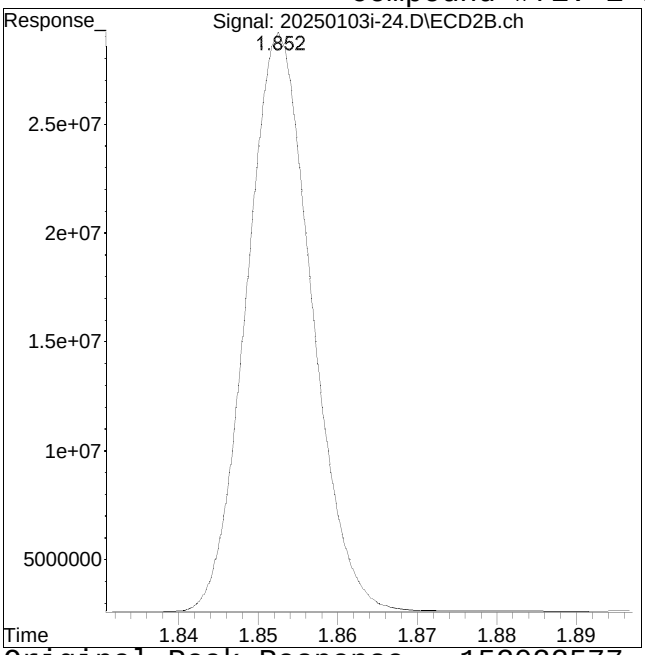


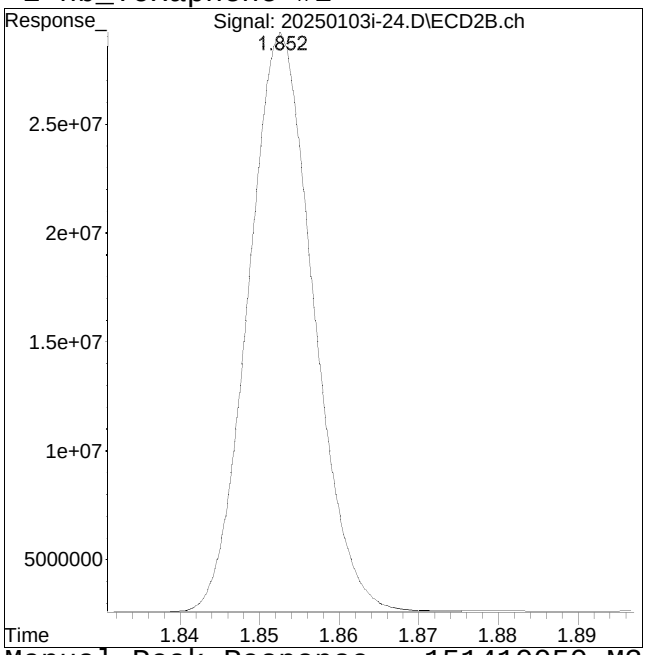
Original Peak Response = 82740588 Manual Peak Response = 82714617 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-24.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 16:25 Instrument : PEST 20
Sample : il4tox,42e,,pp 11948 L0.1 Quant Date : 1/6/2025 12:07 pm

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 152022577 Manual Peak Response = 151410050 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-25.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 16:37
Operator : pest20:ejl
Sample : il7tox,42e,,pp 11948 L1.0
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 12:07:14 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 12:07:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.801	1.852	82806847	150.4E6	25.000M4	25.000M3
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4)	alpha-BHC	0.000	0.000	0	0	N.D.	N.D.
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-25.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 16:37
Operator : pest20:ejl
Sample : il7tox,42e,,pp 11948 L1.0
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 12:07:14 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 12:07:08 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	5.297	5.815	216.8E6	145.3E6	1053.806	1024.537
35) l2	toxaphene-2	5.832	5.843	126.7E6	212.9E6	1034.015	1026.540
36) l2	toxaphene-4	5.929	6.163	181.3E6	252.8E6	1041.926	1015.072
37) l2	toxaphene-5	6.014	6.574	147.1E6	233.2E6	1040.876	1020.661
Sum	toxaphene-1			671.9E6	844.2E6	4170.623	4086.810
Average	toxaphene-1					1042.656	1021.703

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			671.9E6	844.2E6	4170.623	4086.810
Average	toxaphene-1					1042.656	1021.703

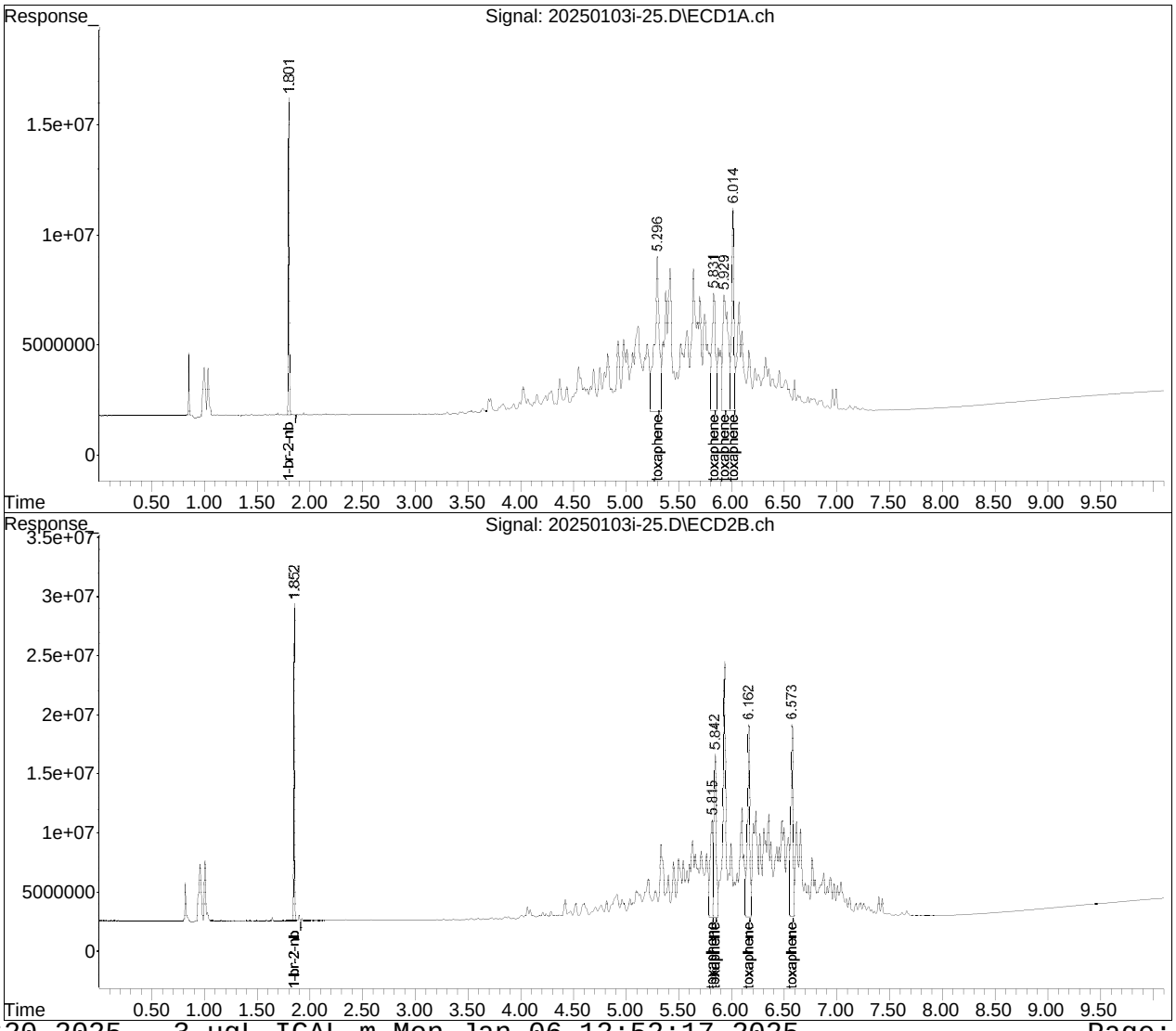
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-25.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 16:37
Operator : pest20:ejl
Sample : il7tox,42e,,pp 11948 L1.0
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 12:07:14 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 12:07:08 2025
Response via : Initial Calibration
Integrator: ChemStation

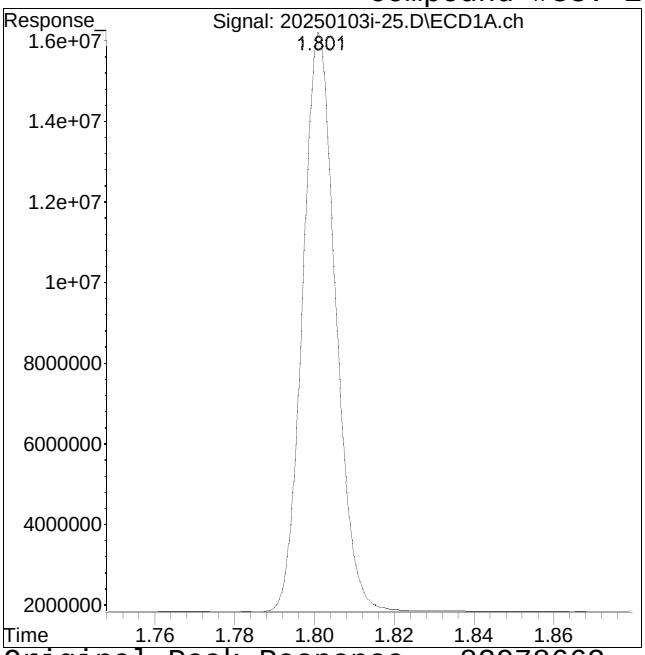
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



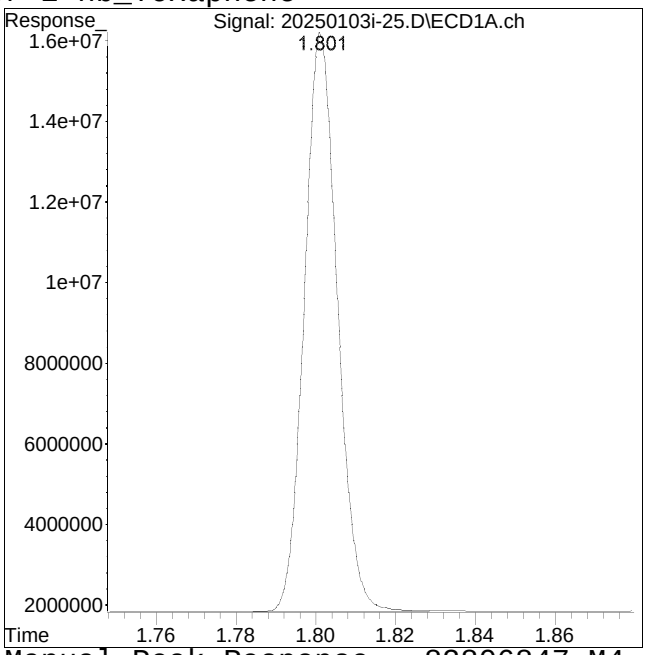
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-25.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 16:37 Instrument : PEST 20
Sample : il7tox,42e,,pp 11948 L1.0 Quant Date : 1/6/2025 12:07 pm

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 82978662



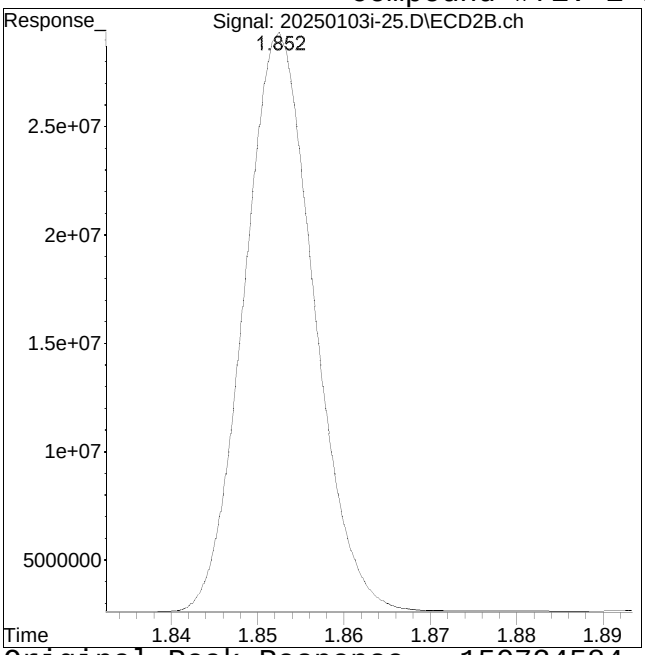
Manual Peak Response = 82806847 M4

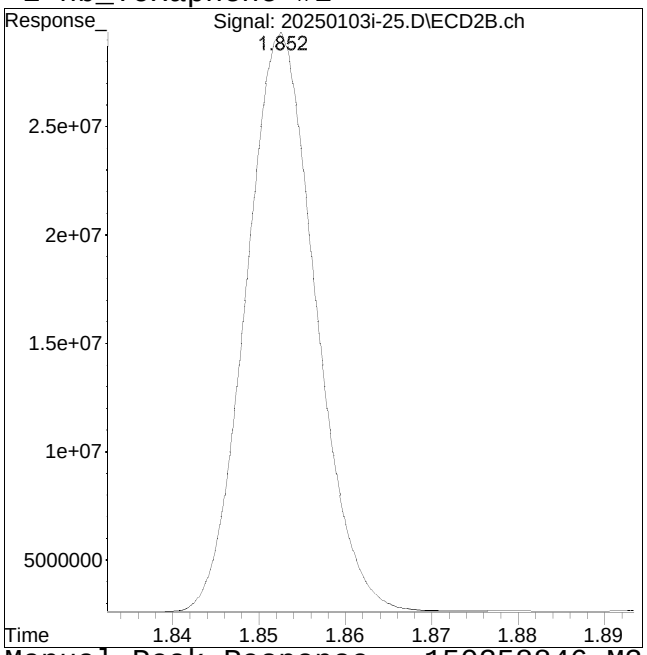
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-25.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 16:37 Instrument : PEST 20
Sample : il7tox,42e,,pp 11948 L1.0 Quant Date : 1/6/2025 12:07 pm

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 150724584 Manual Peak Response = 150358846 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-26.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 16:50
Operator : pest20:ejl
Sample : il8tox,42e,,pp 11948 L2.0
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 12:04:38 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 12:03:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.803	1.853	83405245	149.7E6	25.000M3	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-26.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 16:50
Operator : pest20:ejl
Sample : il8tox,42e,,pp 11948 L2.0
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 12:04:38 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 12:03:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	5.299	5.815	427.5E6	285.1E6	NoCal	NoCal
35) l2	toxaphene-2	5.833	5.843	252.5E6	421.5E6	NoCal	NoCal
36) l2	toxaphene-4	5.931	6.163	361.6E6	502.9E6	NoCal	NoCal
37) l2	toxaphene-5	6.015	6.574	294.6E6	461.3E6	NoCal	NoCal
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

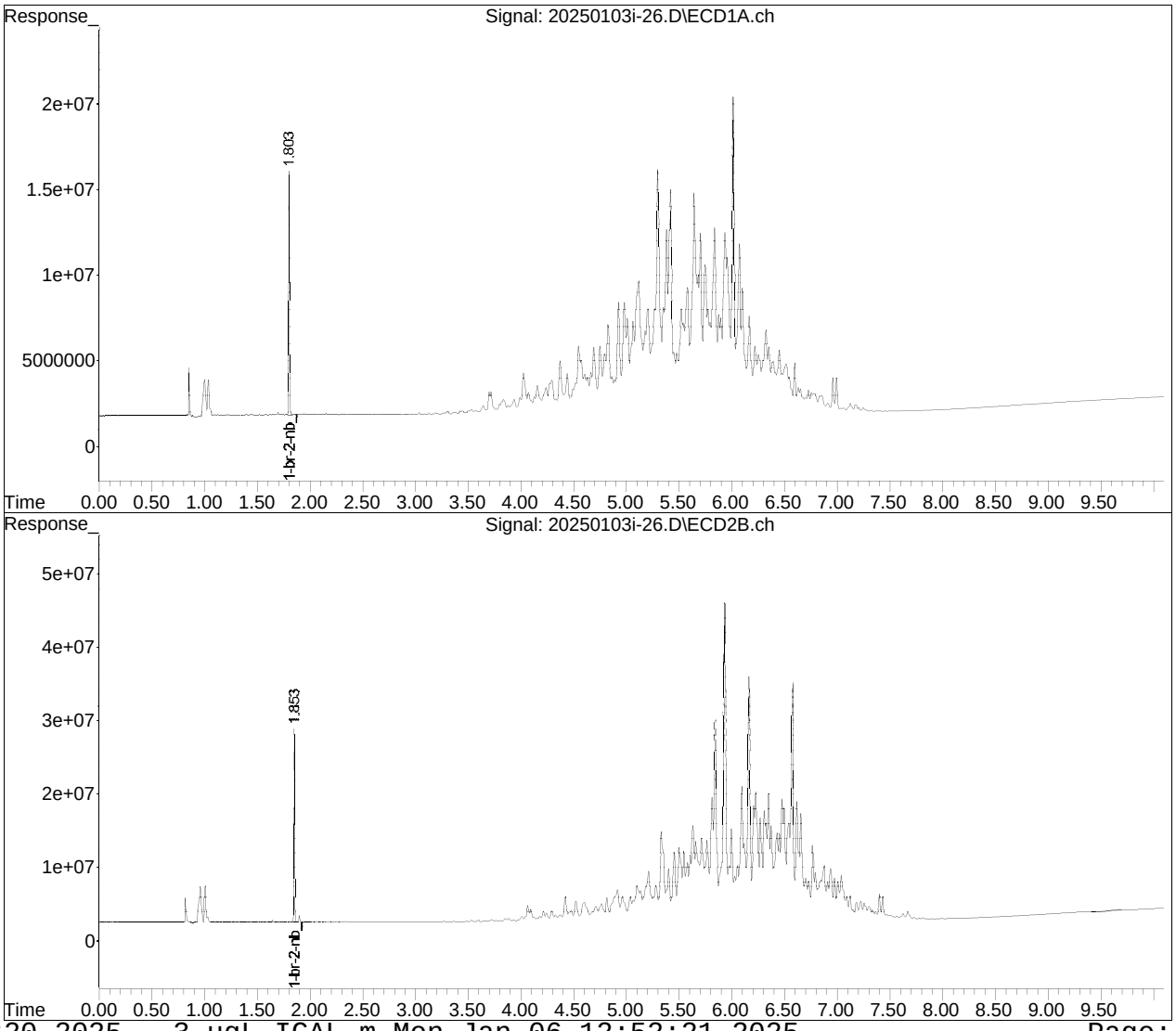
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-26.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 16:50
Operator : pest20:ejl
Sample : il8tox,42e,,pp 11948 L2.0
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 12:04:38 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 12:03:11 2025
Response via : Initial Calibration
Integrator: ChemStation

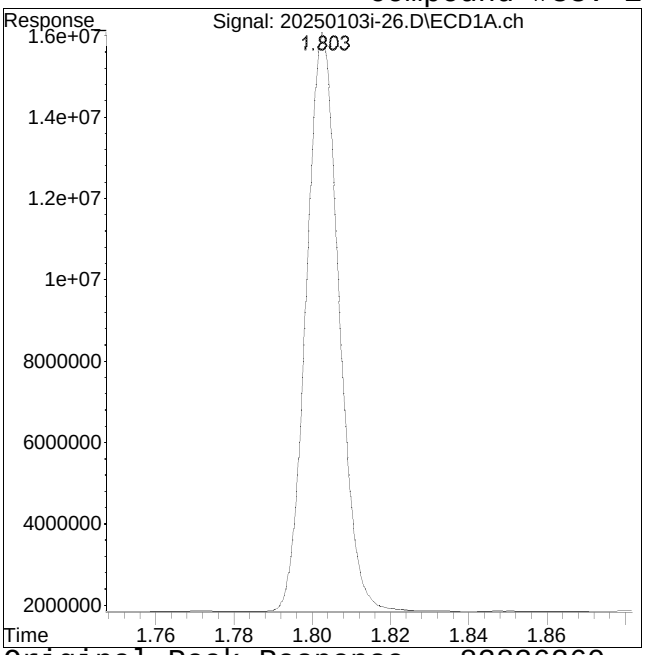
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

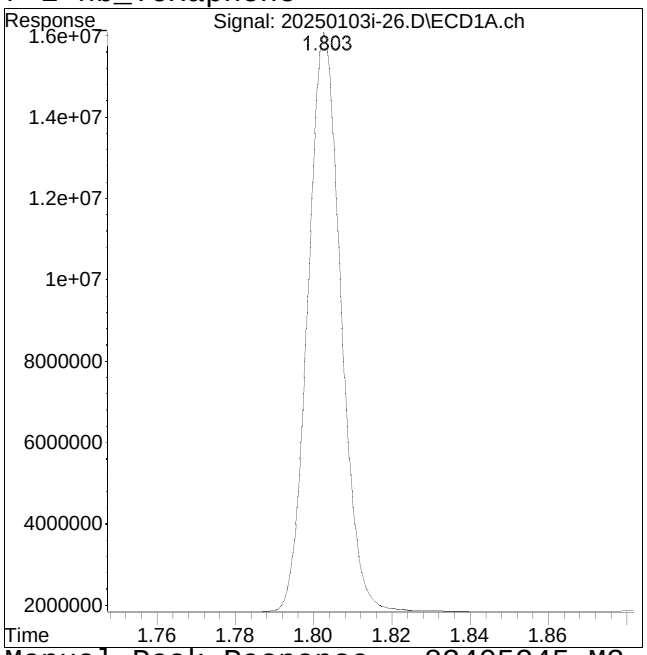


Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-26.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 16:50 Instrument : PEST 20
Sample : il8tox,42e,,pp 11948 L2.0 Quant Date : 1/6/2025 12:04 pm

Compound #33: 1-br-2-nb_Toxaphene



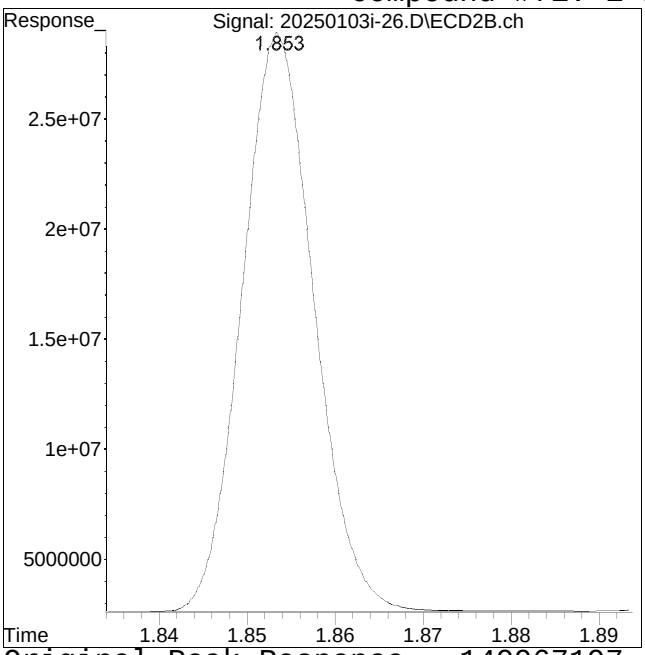


Original Peak Response = 83836260 Manual Peak Response = 83405245 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

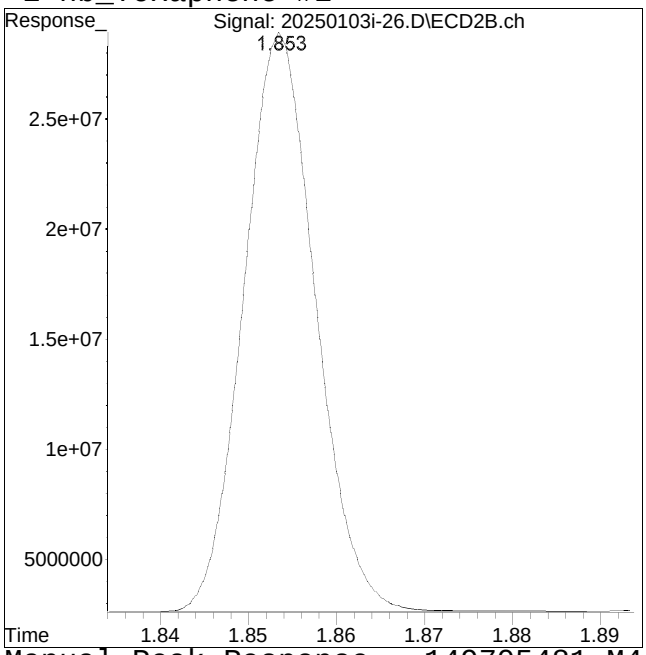
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-26.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 16:50 Instrument : PEST 20
Sample : il8tox,42e,,pp 11948 L2.0 Quant Date : 1/6/2025 12:04 pm

Compound #71: 1-br-2-nb_Toxaphene #2



Original Peak Response = 149967197



Manual Peak Response = 149705481 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-27.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 17:02
Operator : pest20:ejl
Sample : il9tox,42e,,pp 11948 L5.0
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 12:05:59 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 12:05:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.802	1.853	89055997	154.1E6	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-27.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 17:02
Operator : pest20:ejl
Sample : il9tox,42e,,pp 11948 L5.0
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 12:05:59 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 12:05:53 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	5.298	5.814	1071.1E6	719.8E6	4692.418	4904.989
35) l2	toxaphene-2	5.831	5.842	643.7E6	1040.8E6	4774.598	4797.184
36) l2	toxaphene-4	5.930	6.162	905.9E6	1258.8E6	4691.873M3	4863.167
37) l2	toxaphene-5	6.014	6.573	733.8E6	1154.3E6	4665.130	4861.227
Sum	toxaphene-1			3354.5E6	4173.7E6	18824.020	19426.567
Average	toxaphene-1					4706.005	4856.642

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			3354.5E6	4173.7E6	18824.020	19426.567
Average	toxaphene-1					4706.005	4856.642

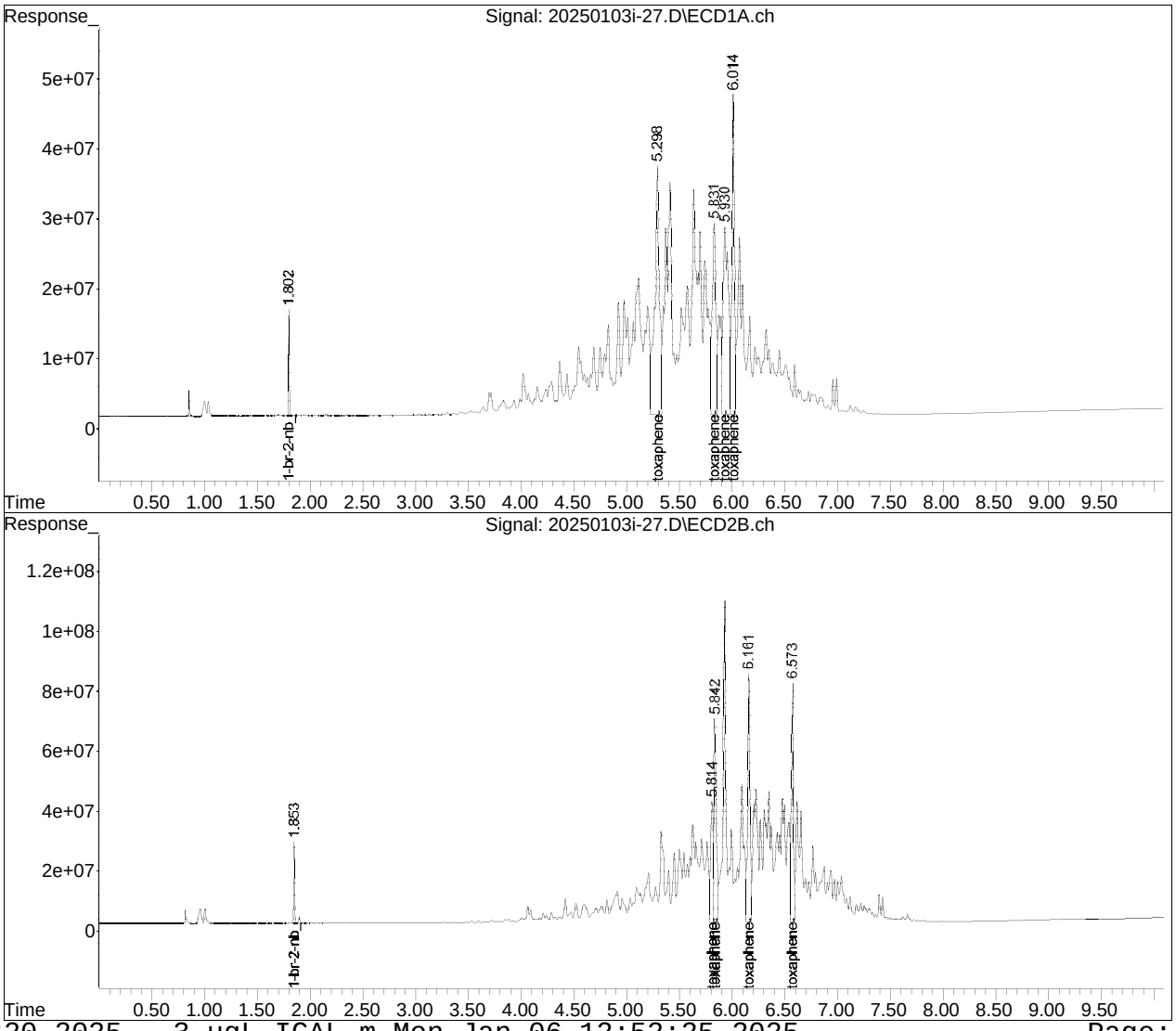
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-27.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 17:02
Operator : pest20:ejl
Sample : il9tox,42e,,pp 11948 L5.0
Misc : WG2016937,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 12:05:59 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 12:05:53 2025
Response via : Initial Calibration
Integrator: ChemStation

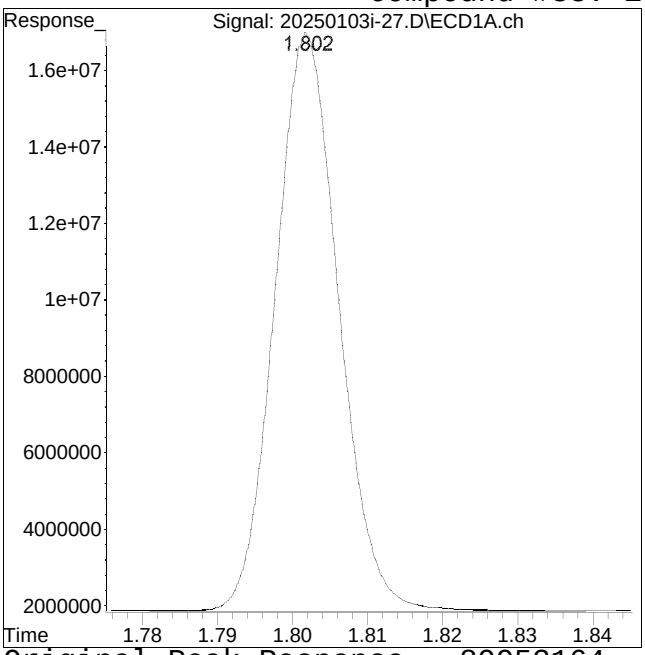
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



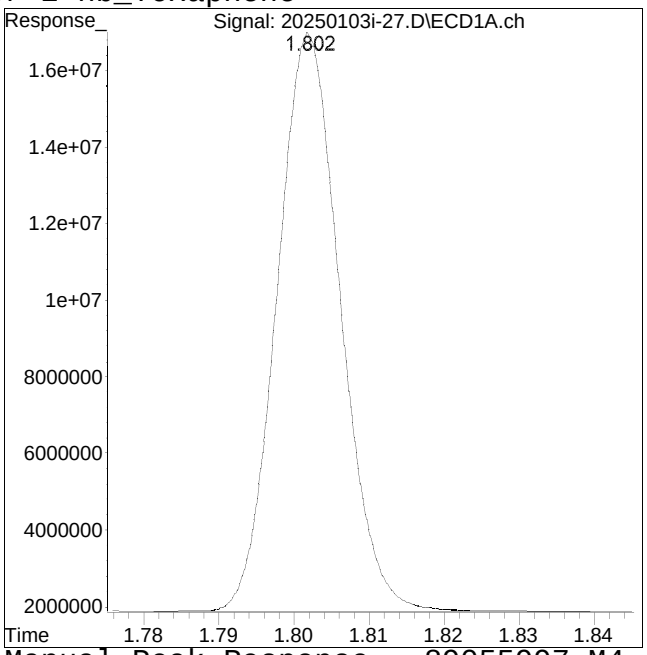
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-27.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 17:02 Instrument : PEST 20
Sample : il9tox,42e,,pp 11948 L5.0 Quant Date : 1/6/2025 12:05 pm

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 89953164



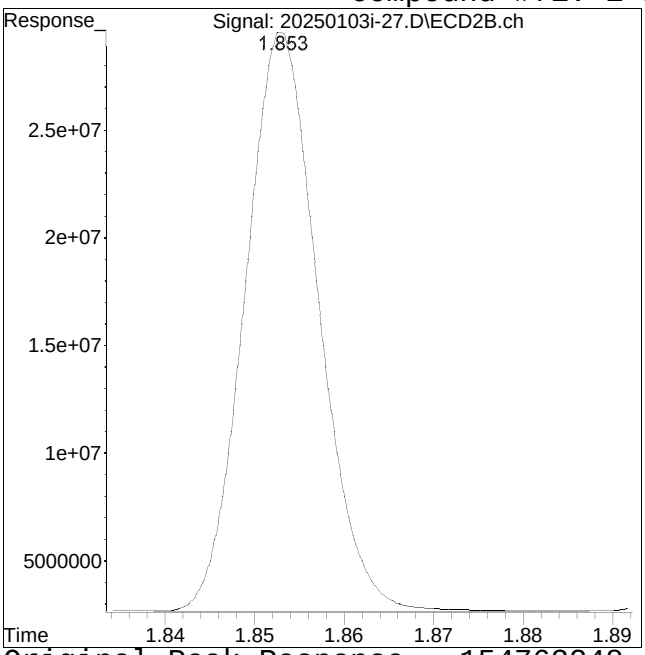
Manual Peak Response = 89055997 M4

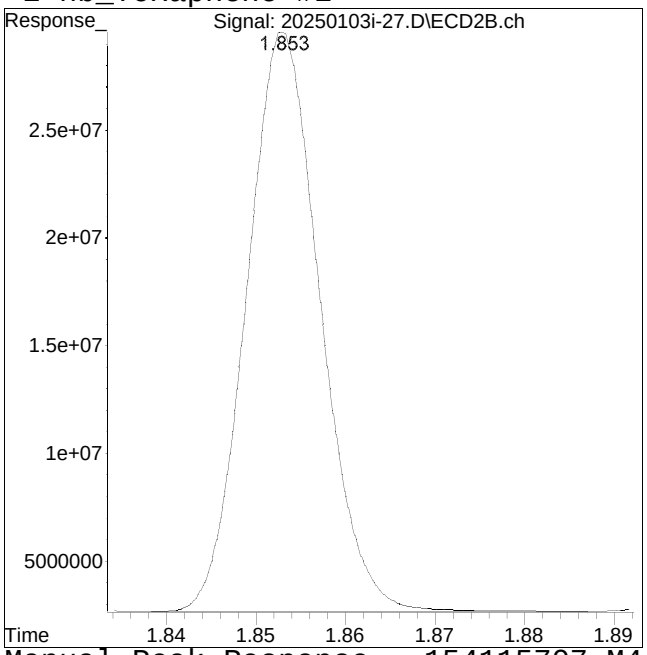
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-27.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 17:02 Instrument : PEST 20
Sample : il9tox,42e,,pp 11948 L5.0 Quant Date : 1/6/2025 12:05 pm

Compound #71: 1-br-2-nb_Toxaphene #2



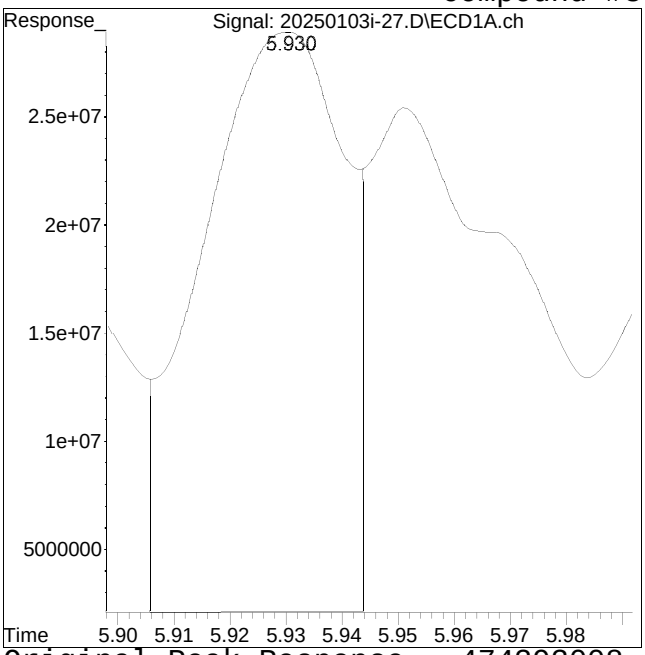


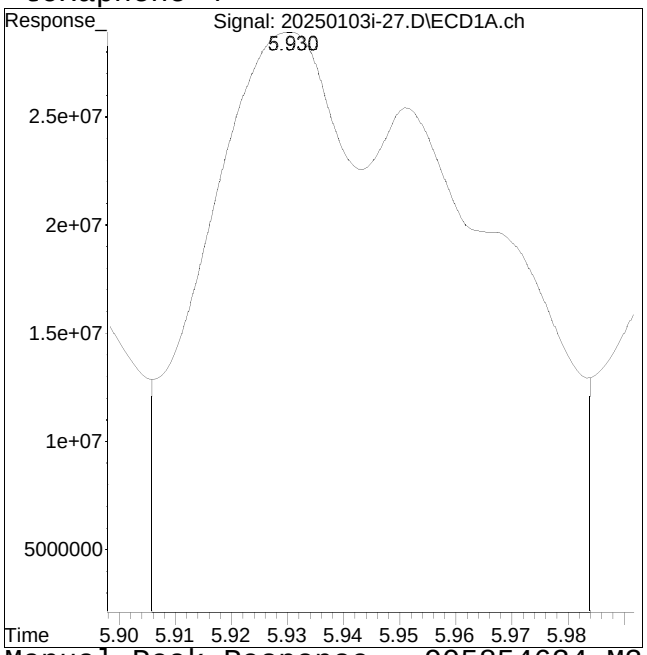
Original Peak Response = 154762248 Manual Peak Response = 154115707 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-27.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 17:02 Instrument : PEST 20
Sample : il9tox,42e,,pp 11948 L5.0 Quant Date : 1/6/2025 12:05 pm

Compound #36: toxaphene-4





Original Peak Response = 474393008 Manual Peak Response = 905854634 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-28.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 03 Jan 2025 17:14
Operator : pest20:ejl
Sample   : cicvtox,42e,,pp 11899 L2.0ICV
Misc   : WG2016937,ical
ALS Vial : 28   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 12:11:13 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 12:10:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	101	0.00
34	l2	toxaphene-1		0.065	0.062	4.6	98	0.00
35	l2	toxaphene-2		0.038	0.037	2.6	98	0.00
36	l2	toxaphene-4		0.055	0.046	16.4	86	0.00
37	l2	toxaphene-5		0.046	0.041	10.9	93	0.00

Signal #2

33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	99	0.00
34	l2	toxaphene-1		0.024	0.023	4.2	96	0.00
35	l2	toxaphene-2		0.036	0.034	5.6	95	0.00
36	l2	toxaphene-4		0.042	0.038	9.5	90	0.00
37	l2	toxaphene-5		0.040	0.037	7.5	96	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.80#
2	s	2,4,5,6-Tetrachloro-m-xylen		1.173	0.000	100.0#	0#	-2.26#
3		Hexachlorobenzene		1.275	0.000	100.0#	0#	-2.52#
4		alpha-BHC		1.456	0.000	100.0#	0#	-2.64#
5		gamma-BHC (lindane)		1.399	0.000	100.0#	0#	-2.87#
6		beta-BHC		0.673	0.000	100.0#	0#	-2.94#
7		delta-BHC		1.367	0.000	100.0#	0#	-3.08#
8		Heptachlor		1.361	0.000	100.0#	0#	-3.26#
9		Aldrin		1.290	0.000	100.0#	0#	-3.53#
10		Alachlor		0.231	0.000	100.0#	0#	-3.67#
11		Chlorpyrifos	*	50.000	0.000	100.0#	0	-3.77#
12		Heptachlor Epoxide		1.249	0.000	100.0#	0#	-4.12#
13		gamma-Chlordane (trans)		1.140	0.000	100.0#	0#	-4.25#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-28.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 03 Jan 2025 17:14
Operator : pest20:ejl
Sample   : cicvtox,42e,,pp 11899 L2.0ICV
Misc   : WG2016937,ical
ALS Vial : 28   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 12:11:13 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 12:10:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
14		alpha-Chlordane (cis)		1.300	0.000	100.0#	0#	-4.40#
15		4,4'-DDE		1.256	0.000	100.0#	0#	-4.50#
16		Endosulfan I		1.202	0.000	100.0#	0#	-4.54#
17		Dieldrin		1.238	0.000	100.0#	0#	-4.82#
18		Endrin		1.270	0.000	100.0#	0#	-5.07#
19		4,4'-DDD		1.010	0.000	100.0#	0#	-5.18#
20		Endosulfan II		1.112	0.000	100.0#	0#	-5.31#
21		4,4'-DDT		1.094	0.000	100.0#	0#	-5.46#
22		Endrin Aldehyde	*	50.000	0.000	100.0#	0	-5.72#
23		Methoxychlor		0.632	0.000	100.0#	0#	-5.95#
24		Mirex	*	50.000	0.000	100.0#	0	-6.00#
25		Endosulfan Sulfate		1.066	0.000	100.0#	0#	-6.11#
26		Endrin Ketone		1.216	0.000	100.0#	0#	-6.33#
27	s	Decachlorobiphenyl	*	50.000	0.000	100.0#	0	-7.14#
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.80#
29	l1	chlordane-1	*	1000.000	0.000	100.0#	0	-3.19#
30	l1	chlordane-3	*	1000.000	0.000	100.0#	0	-3.66#
31	l1	chlordane-4	*	1000.000	0.000	100.0#	0	-4.25#
32	l1	chlordane-5	*	1000.000	0.000	100.0#	0	-4.39#

Signal #2

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.85#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.114	0.000	100.0#	0#	-2.44#
3		Hexachlorobenzene		1.189	0.000	100.0#	0#	-2.79#
4		alpha-BHC		1.411	0.000	100.0#	0#	-2.90#
5		gamma-BHC (lindane)		1.343	0.000	100.0#	0#	-3.21#
6		beta-BHC		0.637	0.000	100.0#	0#	-3.29#
7		delta-BHC		1.307	0.000	100.0#	0#	-3.57#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-28.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 03 Jan 2025 17:14
Operator : pest20:ejl
Sample   : cicvtox,42e,,pp 11899 L2.0ICV
Misc   : WG2016937,ical
ALS Vial : 28   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 12:11:13 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 12:10:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
8		Heptachlor		1.281	0.000	100.0#	0#	-3.63#
9		Aldrin		1.197	0.000	100.0#	0#	-3.96#
10		Alachlor		0.192	0.000	100.0#	0#	-3.85#
11		Chlorpyrifos		0.634	0.000	100.0#	0#	-4.22#
12		Heptachlor Epoxide		1.164	0.000	100.0#	0#	-4.60#
13		gamma-Chlordane (trans)		1.060	0.000	100.0#	0#	-4.83#
14		alpha-Chlordane (cis)		1.191	0.000	100.0#	0#	-5.00#
15		4,4'-DDE		1.107	0.000	100.0#	0#	-5.21#
16		Endosulfan I		1.116	0.000	100.0#	0#	-5.06#
17		Dieldrin		1.141	0.000	100.0#	0#	-5.36#
18		Endrin		1.205	0.000	100.0#	0#	-5.65#
19		4,4'-DDD		0.878	0.000	100.0#	0#	-5.78#
20		Endosulfan II		1.033	0.000	100.0#	0#	-5.86#
21		4,4'-DDT		1.032	0.000	100.0#	0#	-6.06#
22		Endrin Aldehyde		0.816	0.000	100.0#	0#	-6.15#
23		Methoxychlor		0.555	0.000	100.0#	0#	-6.63#
24		Mirex		0.915	0.000	100.0#	0#	-6.76#
25		Endosulfan Sulfate		0.983	0.000	100.0#	0#	-6.38#
26		Endrin Ketone		1.125	0.000	100.0#	0#	-6.80#
27	s	Decachlorobiphenyl		0.927	0.000	100.0#	0#	-7.70#
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.85#
29	l1	chlordane-1		*1000.000	0.000	100.0#	0	-3.49#
30	l1	chlordane-3		*1000.000	0.000	100.0#	0	-4.13#
31	l1	chlordane-4		*1000.000	0.000	100.0#	0	-4.83#
32	l1	chlordane-5		*1000.000	0.000	100.0#	0	-5.00#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-28.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 17:14
Operator : pest20:ejl
Sample : cicvtox,42e,,pp 11899 L2.0ICV
Misc : WG2016937,ical
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 12:11:13 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 12:10:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.802	1.853	84437637	149.0E6	25.000M3	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-28.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 17:14
Operator : pest20:ejl
Sample : cicvtox,42e,,pp 11899 L2.0ICV
Misc : WG2016937,ical
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 12:11:13 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 12:10:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	5.298	5.815	420.4E6	274.0E6	1909.296	1951.864
35) l2	toxaphene-2	5.832	5.843	248.0E6	401.3E6	1930.890	1881.767
36) l2	toxaphene-4	5.930	6.164	312.7E6	453.9E6	1689.817	1816.761
37) l2	toxaphene-5	6.015	6.574	274.6E6	443.8E6	1765.269	1879.284
Sum	toxaphene-1			1255.8E6	1573.0E6	7295.272	7529.676
Average	toxaphene-1					1823.818	1882.419

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			1255.8E6	1573.0E6	7295.272	7529.676
Average	toxaphene-1					1823.818	1882.419

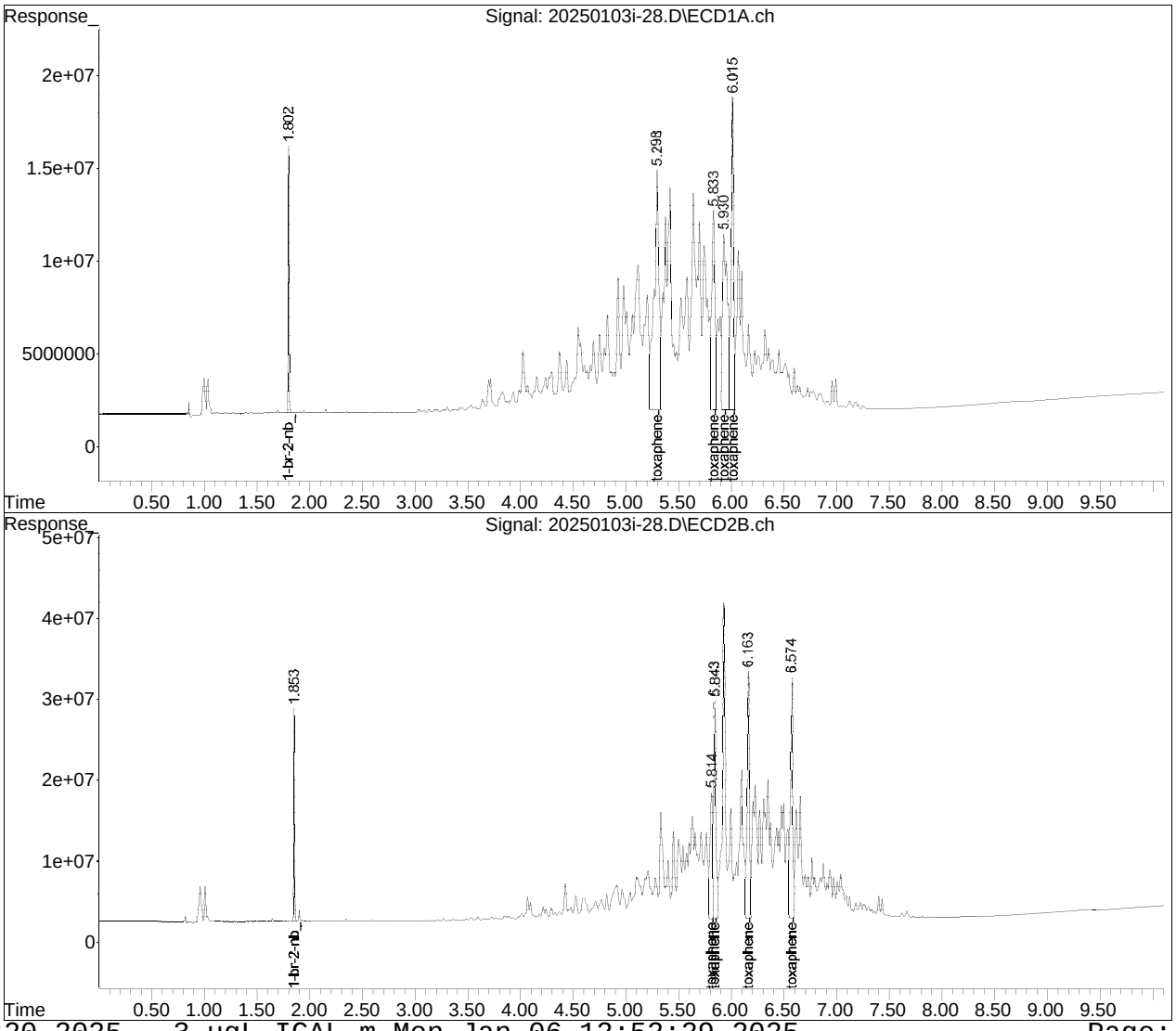
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2025\250103ical\
Data File : 20250103i-28.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jan 2025 17:14
Operator : pest20:ejl
Sample : cicvtox,42e,,pp 11899 L2.0ICV
Misc : WG2016937,ical
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jan 06 12:11:13 2025
Quant Method : I:\PEST\Pest20\2025\250103ical\pest20_2025_01_03_ugL_ICAL.m
Quant Title : pest
QLast Update : Mon Jan 06 12:10:30 2025
Response via : Initial Calibration
Integrator: ChemStation

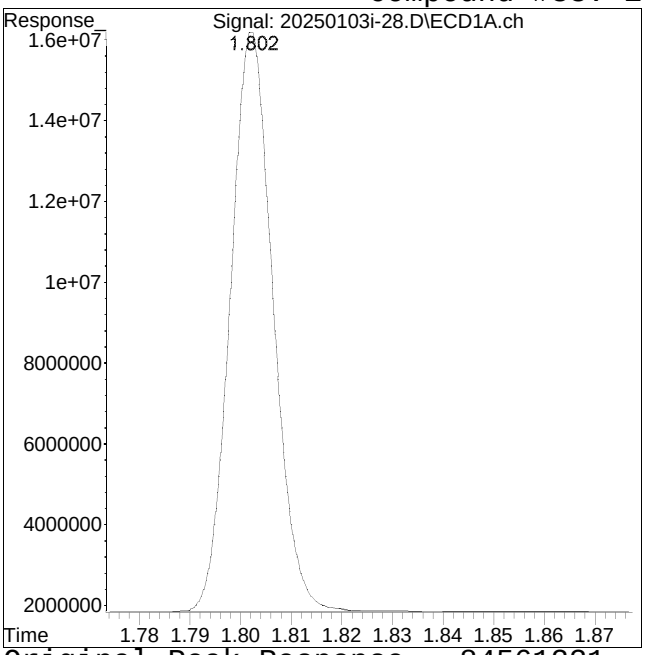
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

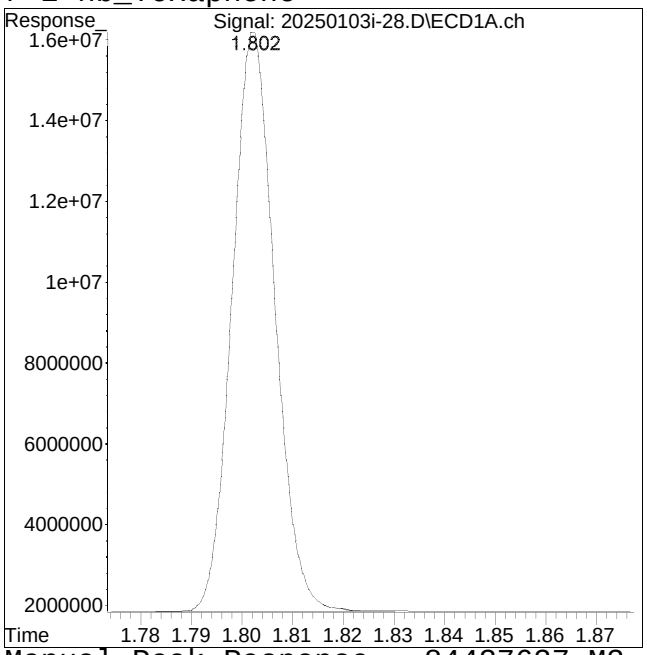


Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-28.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 17:14 Instrument : PEST 20
Sample : cicvtox,42e,,pp 11899 L2.0Quant Date : 1/6/2025 12:11 pm

Compound #33: 1-br-2-nb_Toxaphene



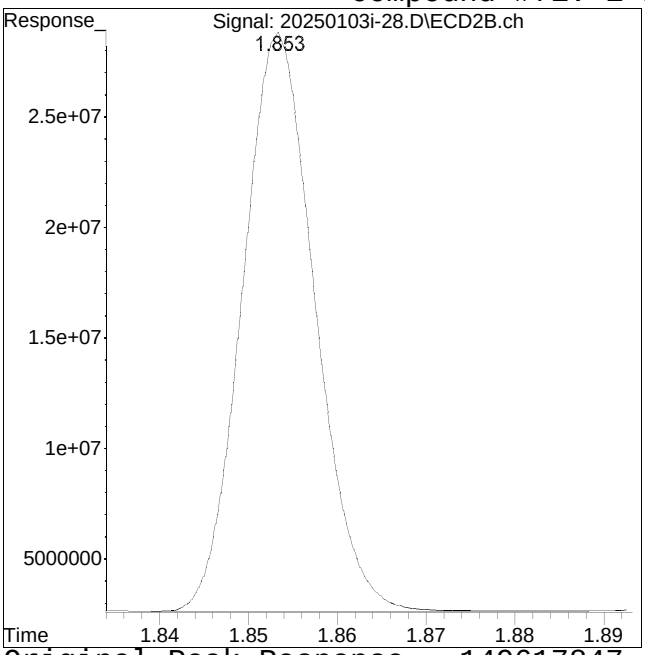


Original Peak Response = 84561231 Manual Peak Response = 84437637 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

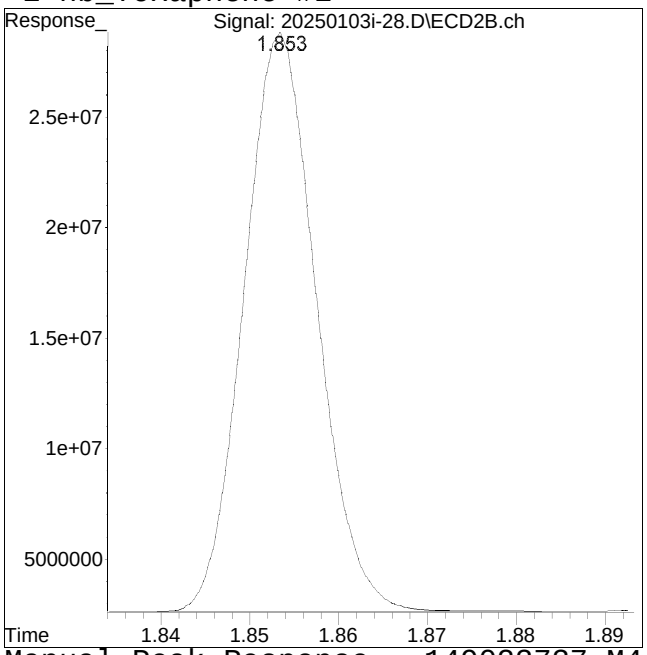
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250103QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250103i-28.D Operator : pest20:ejl
Date Inj'd : 1/3/2025 17:14 Instrument : PEST 20
Sample : cicvtox,42e,,pp 11899 L2.0Quant Date : 1/6/2025 12:11 pm

Compound #71: 1-br-2-nb_Toxaphene #2



Original Peak Response = 149617847



Manual Peak Response = 149023737 M4
M4 = Poor automated baseline construction.

Evaluate Relative Error Report PEST 20

Method Path : I:\PEST\Pest20\2025\250103ical\
Method File : pest20_2025_01_03_ugL_ICAL.m
Title : pest
Last Update : Mon Jan 06 12:10:30 2025

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
11	Chlorpyrifos	L	ug/l	50.0	52.938	5.9	2.00	1.481	-25.9
22	Endrin Aldehyde	L	ug/l	50.0	51.655	3.3	1.00	0.948	-5.2
24	Mirex	L	ug/l	50.0	52.565	5.1	2.00	1.579	-21.1
27 S	Decachlorobiphenyl	L	ug/l	50.0	52.815	5.6	2.00	1.592	-20.4
29 L1	chlordane-1	L	ug/l	1000.0	1002.602	0.3	10.00	8.947	-10.5
30 L1	chlordane-3	L	ug/l	1000.0	1011.924	1.2	10.00	7.983	-20.2
31 L1	chlordane-4	L	ug/l	1000.0	1009.045	0.9	10.00	9.481	-5.2
32 L1	chlordane-5	L	ug/l	1000.0	1011.965	1.2	10.00	9.357	-6.4
67 L1	chlordane-1 #2	L	ug/l	1000.0	1032.030	3.2	10.00	8.385	-16.2
68 L1	chlordane-3 #2	L	ug/l	1000.0	1041.377	4.1	10.00	6.561	-34.4
69 L1	chlordane-4 #2	L	ug/l	1000.0	1037.293	3.7	10.00	9.046	-9.5
70 L1	chlordane-5 #2	L	ug/l	1000.0	1041.214	4.1	10.00	8.565	-14.4

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
11	Chlorpyrifos	Linear	0.997596	0.000000	0.525986	0.034107
22	Endrin Aldehyde	Linear	0.999093	0.000000	0.844486	0.00927953
24	Mirex	Linear	0.998902	0.000000	0.860629	0.0471274
27 S	Decachlorobiphenyl	Linear	0.998462	0.000000	0.955953	0.0474214
29 L1	chlordane-1	Linear	0.999836	0.000000	0.0388648	0.0107852
30 L1	chlordane-3	Linear	0.999025	0.000000	0.0470787	0.0189097
31 L1	chlordane-4	Linear	0.999941	0.000000	0.169839	0.0420363
32 L1	chlordane-5	Linear	0.999903	0.000000	0.262086	0.0673324
67 L1	chlordane-1 #2	Linear	0.998308	0.000000	0.035459	0.00975348
68 L1	chlordane-3 #2	Linear	0.995302	0.000000	0.0385293	0.0162605
69 L1	chlordane-4 #2	Linear	0.998414	0.000000	0.143269	0.0364295
70 L1	chlordane-5 #2	Linear	0.997975	0.000000	0.113619	0.0342238

Response Factor Report Pest 11

Method Path : I:\PEST\Pest11\2025\250106ICAL\
Method File : pest11_01_06_25_ugL_ICAL.M
Title : pest
Last Update : Tue Jan 07 13:04:52 2025
Response Via : Initial Calibration

Calibration Files
1 =11250106i-03.d 2 =11250106i-14.d 3 =11250106i-23.d 4 =11250106i-24.d 5 =11250106i-17.d
7 =11250106i-25.d 8 =11250106i-26.d 9 =11250106i-27.d 10 =11250106i-21.d 11 =11250106i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
1)	i	1-br-2-nb_Pesticides	----------ISTD----------											
2)	s	2,4,5,6-Tetra...		1.295	1.182	1.177	1.168	1.197	1.218	1.252	1.267	1.167	1.214	3.88
3)	t	Hexachloroben...		1.447	1.342	1.341	1.327	1.329	1.297	1.332	1.358	1.276	1.339	3.54
4)	t	alpha-BHC		1.415	1.355	1.398	1.419	1.567	1.765	1.883	1.956	1.879	1.626	14.97
5)	t	gamma-BHC (li...	1.583	1.354	1.292	1.318	1.333	1.431	1.565	1.665	1.728	1.644	1.491	10.97
6)	t	beta-BHC		0.747	0.703	0.696	0.684	0.681	0.658	0.682	0.708	0.683	0.694	3.54
7)	t	delta-BHC		1.344	1.281	1.306	1.326	1.435	1.603	1.716	1.791	1.704	1.501	13.49
8)	t	Heptachlor		1.422	1.342	1.344	1.356	1.412	1.438	1.493	1.485	1.328	1.402	4.48
9)	t	Aldrin		1.329	1.257	1.267	1.287	1.383	1.479	1.567	1.587	1.440	1.400	9.00
10)	t	Alachlor			0.214	0.216	0.225	0.228	0.199	0.194	0.182		0.208	8.15
11)	t	Chlorpyrifos		0.853	0.807	0.799	0.804	0.792	0.696	0.689	0.660		0.763	9.20
12)	t	Heptachlor Ep...		1.343	1.276	1.274	1.289	1.337	1.340	1.399	1.399	1.263	1.324	3.95
13)	t	gamma-Chlorda...		1.366	1.240	1.210	1.220	1.254	1.246	1.326	1.368	1.285	1.279	4.72
14)	t	alpha-Chlorda...		1.491	1.417	1.372	1.382	1.437	1.429	1.512	1.558	1.462	1.451	4.19
15)	t	4,4'-DDE		1.198	1.159	1.166	1.206	1.301	1.415	1.522	1.552	1.426	1.327	11.68
16)	t	Endosulfan I		1.277	1.214	1.214	1.234	1.278	1.287	1.350	1.349	1.227	1.270	4.17

Response Factor Report Pest 11

Method Path : I:\PEST\Pest11\2025\250106ICAL\
Method File : pest11_01_06_25_ugL_ICAL.M
Title : pest
Last Update : Tue Jan 07 13:04:52 2025
Response Via : Initial Calibration

Calibration Files
1 =11250106i-03.d 2 =11250106i-14.d 3 =11250106i-23.d 4 =11250106i-24.d 5 =11250106i-17.d
7 =11250106i-25.d 8 =11250106i-26.d 9 =11250106i-27.d 10 =11250106i-21.d 11 =11250106i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg		%RSD
17)	t	Dieldrin	1.311	1.228	1.214	1.239	1.294	1.338	1.426	1.456	1.338	1.316			6.43
18)	t	Endrin	1.220	1.174	1.180	1.212	1.275	1.328	1.400	1.408	1.277	1.275			6.93
19)	t	4,4'-DDD	0.926	0.889	0.893	0.921	0.972	1.045	1.125	1.165	1.097	1.003			10.58
20)	t	Endosulfan II	1.197	1.136	1.138	1.158	1.187	1.196	1.250	1.254	1.146	1.185			3.79
21)	t	4,4'-DDT	1.057	1.027	1.013	1.035	1.045	1.075	1.197	1.228	1.121	1.089			7.10
22)	t	Endrin Aldehyde	0.982	0.925	0.939	0.945	0.990	1.006	1.054	1.051	0.953	0.983			4.81
23)	t	Methoxychlor	0.672	0.650	0.643	0.655	0.643	0.591	0.592	0.572	0.510	0.614			8.45
24)	t	Mirex	1.294	1.222	1.194	1.197	1.149	1.043	1.066	1.080	1.028	1.142			8.06
25)	t	Endosulfan Su...	1.191	1.150	1.141	1.156	1.183	1.183	1.241	1.248	1.147	1.182			3.35
26)	t	Endrin Ketone	1.200	1.154	1.159	1.179	1.200	1.195	1.228	1.209	1.088	1.179			3.51
27)	s	Decachlorobip...	1.304	1.214	1.220	1.222	1.145	1.077	1.095	1.089	0.984	1.150			8.55
28)	i	1-br-2-nb_Chlordane	----------ISTD----------												
29)	l1	chlordane-1	0.056	0.054	0.048	0.048	0.047	0.048	0.049				*L		0.999
7															
30)	l1	chlordane-3	0.081	0.076	0.064	0.064	0.056	0.056	0.055				*L		0.999
6															
31)	l1	chlordane-4	0.302	0.237	0.206	0.214	0.209	0.216	0.215				*L		0.999
7															
32)	l1	chlordane-5	0.456	0.358	0.317	0.328	0.325	0.335	0.330				*L		0.999
7															

Method Path : I:\PEST\Pest11\2025\250106ICAL\
Method File : pest11_01_06_25_ugL_ICAL.M
Title : pest
Last Update : Tue Jan 07 13:04:52 2025
Response Via : Initial Calibration

Calibration Files
1 =11250106i-03.d 2 =11250106i-14.d 3 =11250106i-23.d 4 =11250106i-24.d 5 =11250106i-17.d
7 =11250106i-25.d 8 =11250106i-26.d 9 =11250106i-27.d 10 =11250106i-21.d 11 =11250106i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
33)	i	1-br-2-nb_Toxaphene	----------ISTD----------											
34)	l2	toxaphene-2			0.068	0.064		0.067	0.069	0.064			0.066	3.17
35)	l2	toxaphene-3			0.044	0.046		0.051	0.053	0.049			0.049	7.01
36)	l2	toxaphene-4			0.051	0.048		0.051	0.052	0.050			0.050	3.48
37)	l2	toxaphene-5			0.047	0.043		0.046	0.047	0.044			0.045	3.90

Signal #2 Calibration Files
1 =11250106i-03.d 2 =11250106i-14.d 3 =11250106i-23.d 4 =11250106i-24.d 5 =11250106i-17.d
7 =11250106i-25.d 8 =11250106i-26.d 9 =11250106i-27.d 10 =11250106i-21.d 11 =11250106i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
1)	i	1-br-2-nb_Pesticides	----------ISTD----------											
2)	s	2,4,5,6-Tetra...		1.153	1.056	1.061	1.042	1.006	0.987	1.013	1.034	1.048	1.044	4.56
3)	t	Hexachloroben...		1.415	1.272	1.239	1.206	1.142	1.060	1.082	1.103	1.114	1.181	9.65
4)	t	alpha-BHC		1.445	1.343	1.344	1.334	1.367	1.458	1.544	1.614	1.659	1.456	8.47
5)	t	gamma-BHC (li...	1.726	1.425	1.308	1.300	1.293	1.289	1.328	1.399	1.456	1.491	1.401	9.68
6)	t	beta-BHC		0.794	0.710	0.702	0.684	0.636	0.573	0.577	0.586	0.591	*L	0.999 8
7)	t	delta-BHC		1.427	1.290	1.307	1.282	1.298	1.353	1.435	1.499	1.539	1.381	7.03
8)	t	Heptachlor		1.586	1.440	1.423	1.397	1.367	1.317	1.369	1.384	1.365	1.405	5.44
9)	t	Aldrin		1.337	1.222	1.216	1.204	1.196	1.209	1.278	1.317	1.318	1.255	4.53

Response Factor Report Pest 11

Method Path : I:\PEST\Pest11\2025\250106ICAL\
Method File : pest11_01_06_25_ugL_ICAL.M
Title : pest
Last Update : Tue Jan 07 13:04:52 2025
Response Via : Initial Calibration

Calibration Files
1 =11250106i-03.d 2 =11250106i-14.d 3 =11250106i-23.d 4 =11250106i-24.d 5 =11250106i-17.d
7 =11250106i-25.d 8 =11250106i-26.d 9 =11250106i-27.d 10 =11250106i-21.d 11 =11250106i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
10)	t	Alachlor			0.238	0.239	0.241	0.225	0.184	0.175	0.164		*L	0.996
8														
11)	t	Chlorpyrifos		0.989	0.896	0.874	0.864	0.800	0.648	0.630	0.604		0.788	18.19
12)	t	Heptachlor Ep...		1.467	1.348	1.310	1.282	1.254	1.167	1.197	1.207	1.196	1.270	7.48
13)	t	gamma-Chlorda...		1.271	1.156	1.139	1.135	1.094	1.034	1.087	1.121	1.140	1.131	5.71
14)	t	alpha-Chlorda...		1.416	1.302	1.274	1.265	1.224	1.155	1.206	1.235	1.249	1.259	5.78
15)	t	4,4'-DDE		1.243	1.129	1.117	1.121	1.121	1.137	1.215	1.254	1.264	1.178	5.44
16)	t	Endosulfan I		1.357	1.222	1.192	1.184	1.145	1.074	1.113	1.123	1.111	1.169	7.24
17)	t	Dieldrin		1.271	1.152	1.142	1.136	1.115	1.102	1.164	1.191	1.189	1.162	4.35
18)	t	Endrin		1.242	1.155	1.135	1.151	1.136	1.122	1.180	1.201	1.196	1.169	3.33
19)	t	4,4'-DDD		0.991	0.918	0.905	0.916	0.902	0.906	0.965	0.996	1.012	0.946	4.76
20)	t	Endosulfan II		1.216	1.118	1.098	1.086	1.050	0.991	1.031	1.041	1.037	1.074	6.12
21)	t	4,4'-DDT		1.145	1.054	1.043	1.050	1.036	1.021	1.087	1.118	1.137	1.077	4.30
22)	t	Endrin Aldehyde		1.250	1.033	1.010	0.988	0.955	0.840	0.871	0.870	0.862	*L	0.999
8														
23)	t	Methoxychlor		0.730	0.670	0.663	0.666	0.621	0.547	0.554	0.545	0.540	0.615	11.51
24)	t	Mirex		1.231	1.116	1.085	1.059	0.960	0.815	0.812	0.814	0.814	*L	0.999
6														
25)	t	Endosulfan Su...		1.219	1.120	1.097	1.085	1.034	0.956	0.993	1.004	1.010	1.058	7.65

Method Path : I:\PEST\Pest11\2025\250106ICAL\
Method File : pest11_01_06_25_ugL_ICAL.M
Title : pest
Last Update : Tue Jan 07 13:04:52 2025
Response Via : Initial Calibration

Calibration Files
1 =11250106i-03.d 2 =11250106i-14.d 3 =11250106i-23.d 4 =11250106i-24.d 5 =11250106i-17.d
7 =11250106i-25.d 8 =11250106i-26.d 9 =11250106i-27.d 10 =11250106i-21.d 11 =11250106i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
26)	t	Endrin Ketone	1.236	1.146	1.123	1.126	1.083	1.036	1.078	1.081	1.080		1.110	5.19
27)	s	Decachlorobip...	1.088	1.003	0.999	0.982	0.900	0.819	0.829	0.833	0.840		0.922	10.71
28)	i	1-br-2-nb_Chlordane	----------ISTD----------											
29)	l1	chlordane-1	0.067	0.057	0.047	0.048	0.038	0.038	0.038				*L	0.9989
30)	l1	chlordane-3	0.085	0.070	0.061	0.066	0.047	0.044	0.043				*L	0.9943
31)	l1	chlordane-4	0.246	0.201	0.173	0.178	0.158	0.157	0.158				*L	0.9998
32)	l1	chlordane-5	0.203	0.163	0.139	0.142	0.123	0.121	0.121				*L	0.9997
33)	i	1-br-2-nb_Toxaphene	----------ISTD----------											
34)	l2	toxaphene-2		0.028	0.028		0.023	0.023	0.022				*L	0.9994
35)	l2	toxaphene-3		0.046	0.039		0.034	0.034	0.033				*L	0.9998
36)	l2	toxaphene-4		0.054	0.048		0.041	0.040	0.039				*L	0.9997
37)	l2	toxaphene-5		0.050	0.041		0.037	0.036	0.036				*L	0.9999

(#) = Out of Range ### Number of calibration levels exceeded format ###

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 12:35
Operator : PEST11:akm
Sample : pem11250106i-01,42e,,pp 11667 - (Sig #1); pem-01,42e,,pp 11667 - (Sig #2)
Misc : WG2017687,,ical
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 13:06:04 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 13:04:52 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.374	1.455	319.5E6	198.4E6	25.000M4	25.000M4
	System Monitoring Compounds						
	Target Compounds						
15) t	4,4'-DDE	3.817	4.658	1188100	783169	0.070M4	0.084M4
18) t	Endrin	4.381	5.100	874.8E6	456.7E6	53.698M3	49.231M3
19) t	4,4'-DDD	4.483	5.214	3069610	2212220	0.239M4	0.295M3
21) t	4,4'-DDT	4.766	5.486	1553.8E6	860.6E6	111.682M4	100.689M4
22) t D	Endrin Aldeh	5.018	5.583	3357425	2452187	0.267M4	N.D. M3
26) t	Endrin Keton	5.623	6.217	7312730	5187301	0.485M4	0.589
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
	Sum toxaphene-2			0	0	N.D.	N.D.
	Average toxaphene-2					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum toxaphene-2			0	0	N.D.	N.D.
	Average toxaphene-2					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 12:35
Operator : PEST11:akm
Sample : pem11250106i-01,42e,,pp 11667 - (Sig #1); pem-01,42e,,pp 11667 - (Sig #2)
Misc : WG2017687,,ical
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 13:06:04 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 13:04:52 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

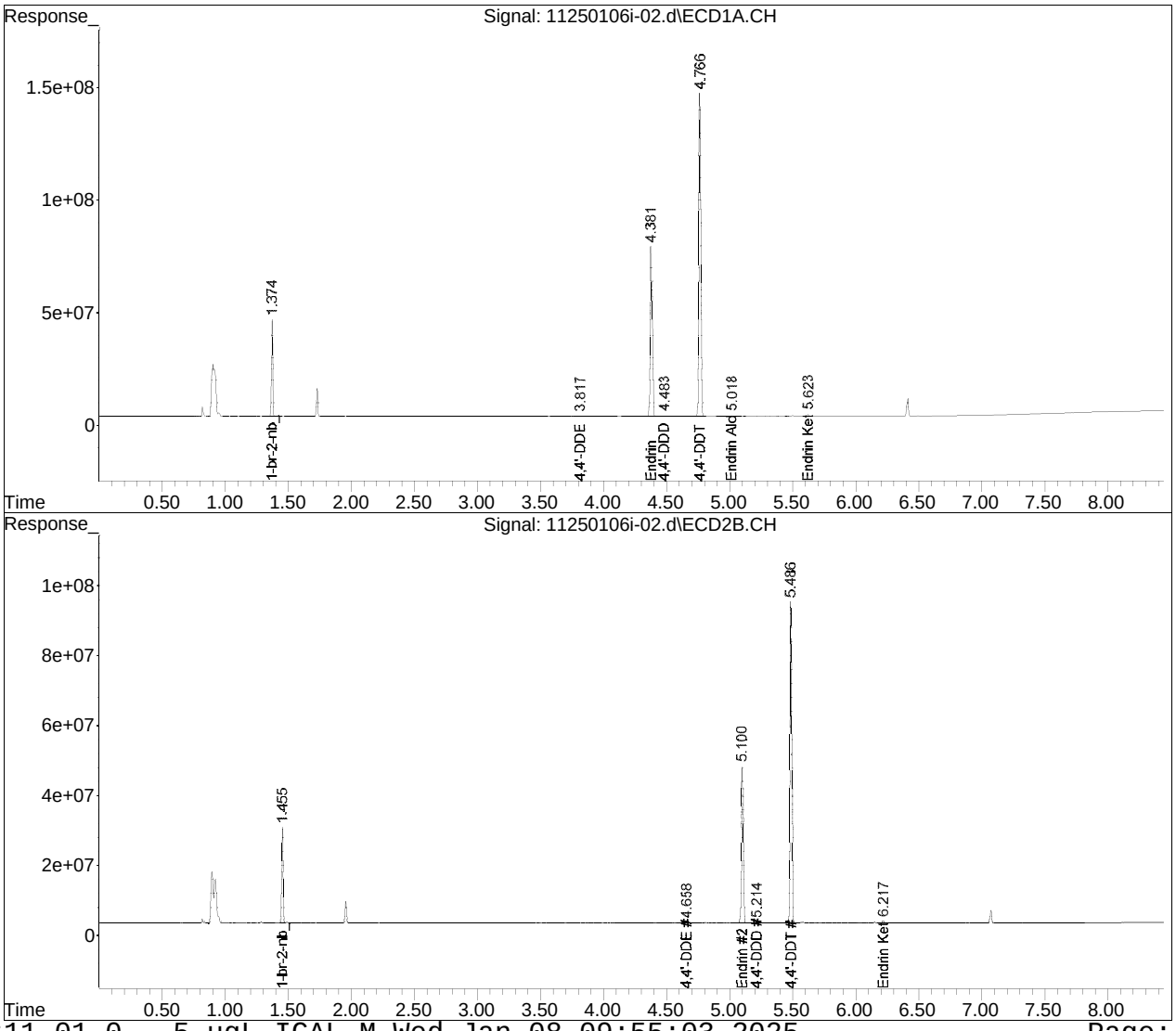
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : DEG - DDT/Endrin degradation checkiewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 12:35
Operator : PEST11:akm
Sample : pem11250106i-01,42e,,pp 11667 - (Sig #1); pem-01,42e,,pp 11667 - (
Misc : WG2017687,,ical
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 13:06:04 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 13:04:52 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

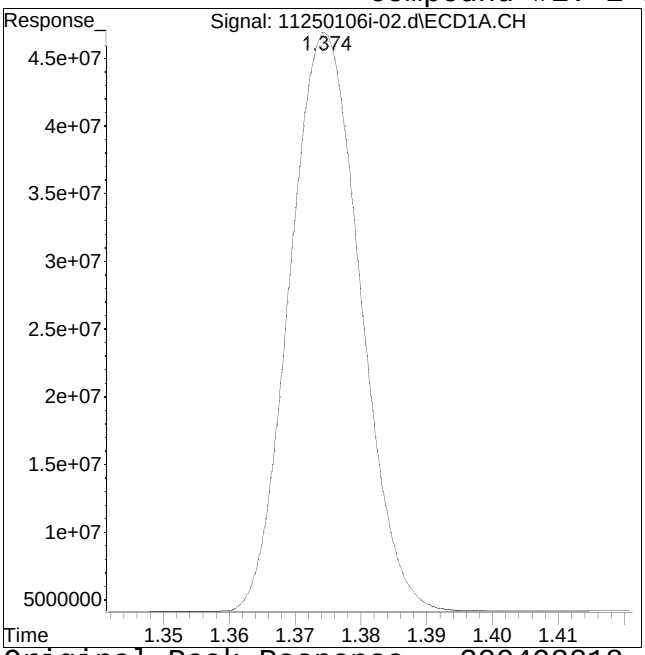
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

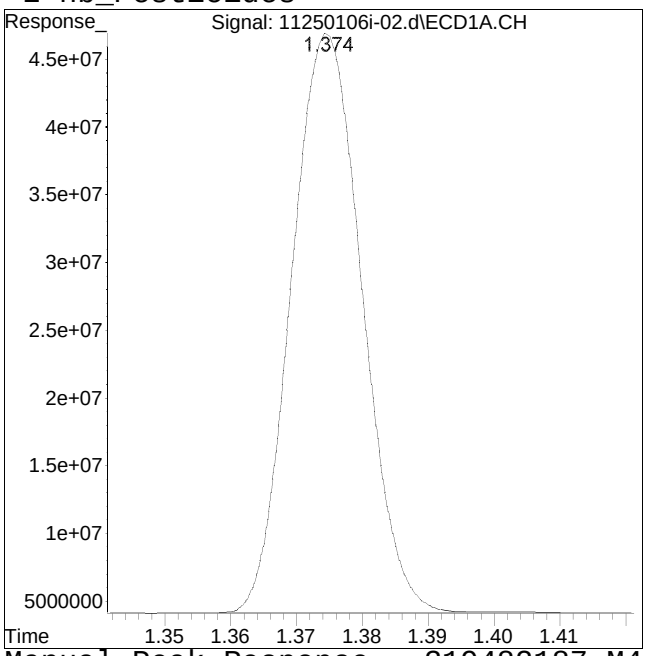


Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-02.d
Date Inj'd : 1/6/2025 12:35
Sample : pem11250106i-01,42e,,pp 11
Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 1:06 pm

Compound #1: 1-br-2-nb_Pesticides



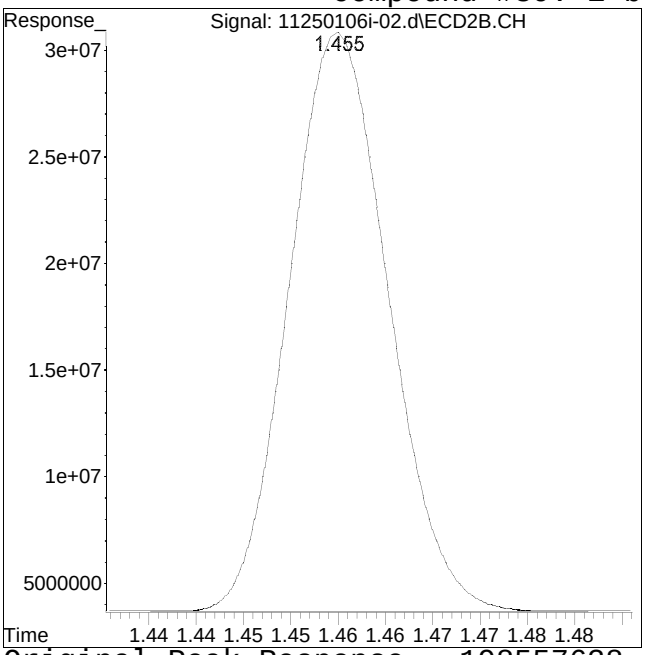


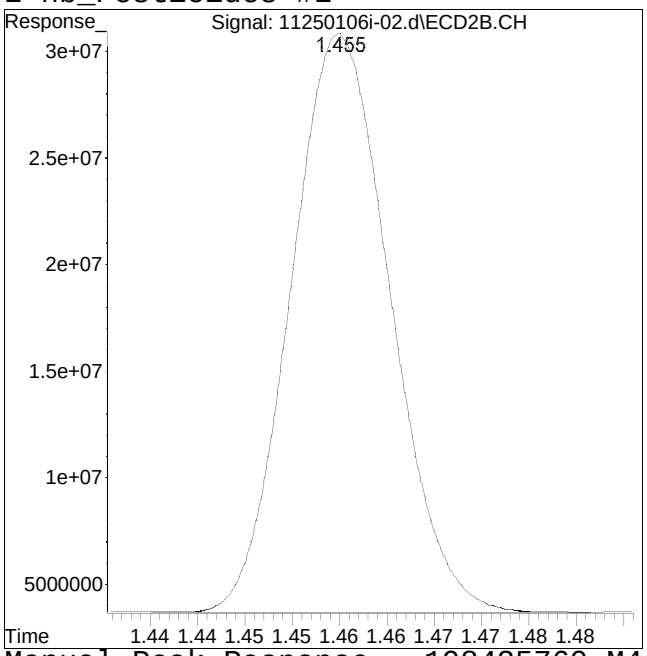
Original Peak Response = 320493218 Manual Peak Response = 319482187 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-02.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:35 Instrument : Pest 11
Sample : pem11250106i-01,42e,,pp 11Quant Date : 1/7/2025 1:06 pm

Compound #39: 1-br-2-nb_Pesticides #2



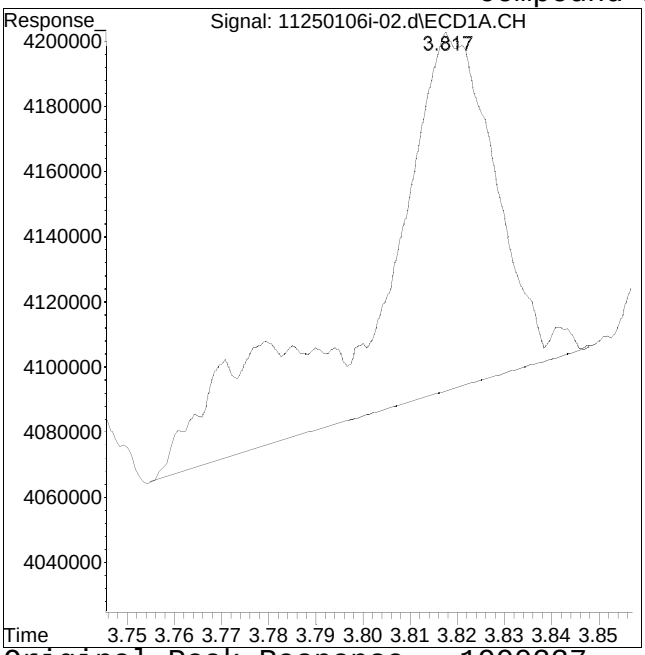


Original Peak Response = 198557638 Manual Peak Response = 198425760 M4
M4 = Poor automated baseline construction.

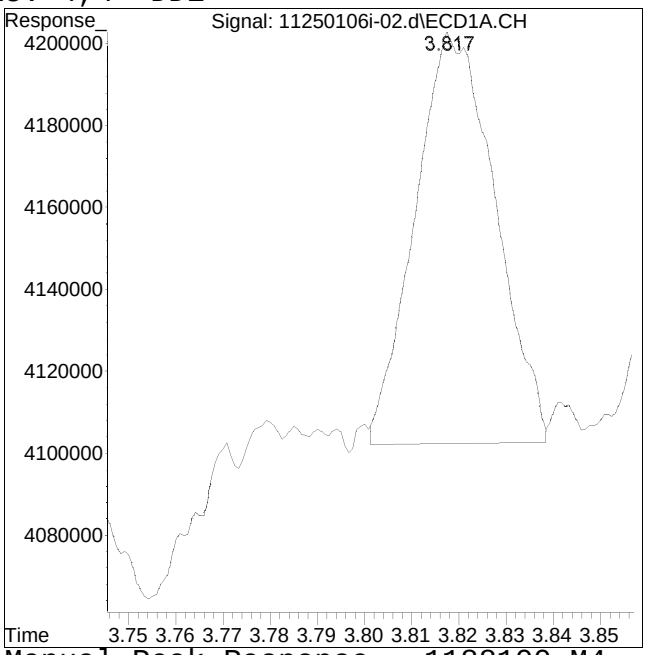
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-02.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:35 Instrument : Pest 11
Sample : pem11250106i-01,42e,,pp 11Quant Date : 1/7/2025 1:06 pm

Compound #15: 4,4'-DDE



Original Peak Response = 1990237



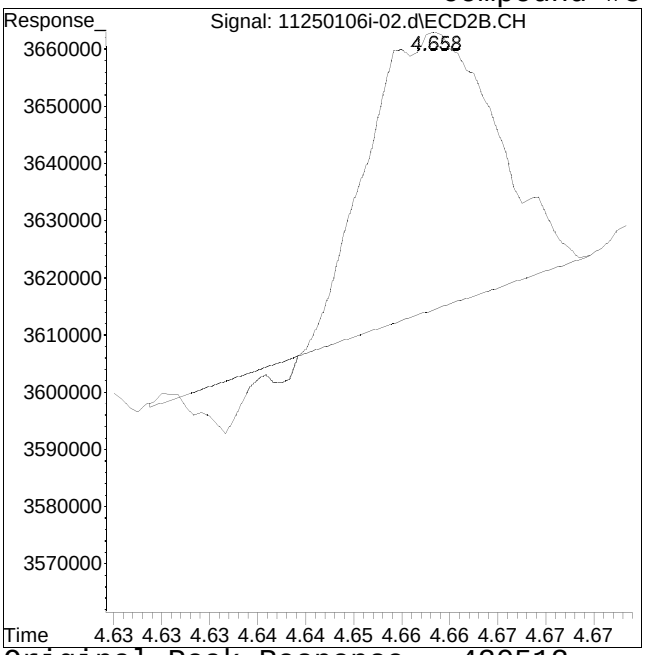
Manual Peak Response = 1188100 M4

M4 = Poor automated baseline construction.

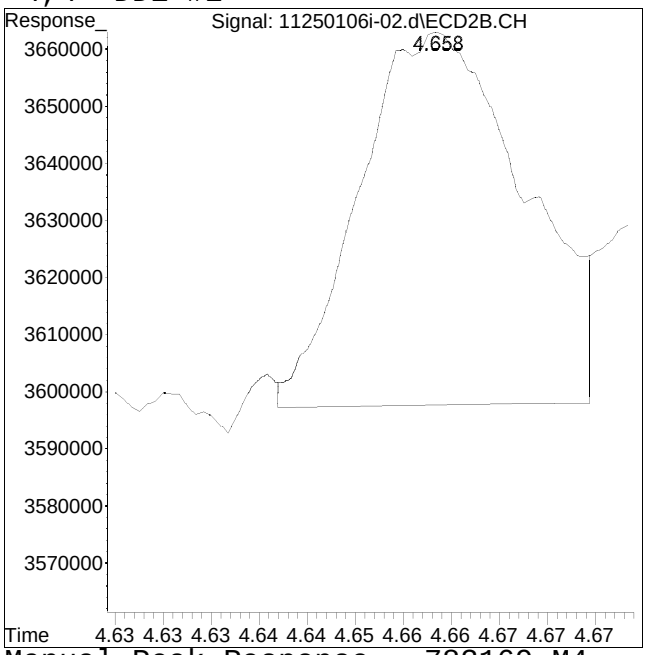
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-02.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:35 Instrument : Pest 11
Sample : pem11250106i-01,42e,,pp 11Quant Date : 1/7/2025 1:06 pm

Compound #53: 4,4'-DDE #2



Original Peak Response = 420512



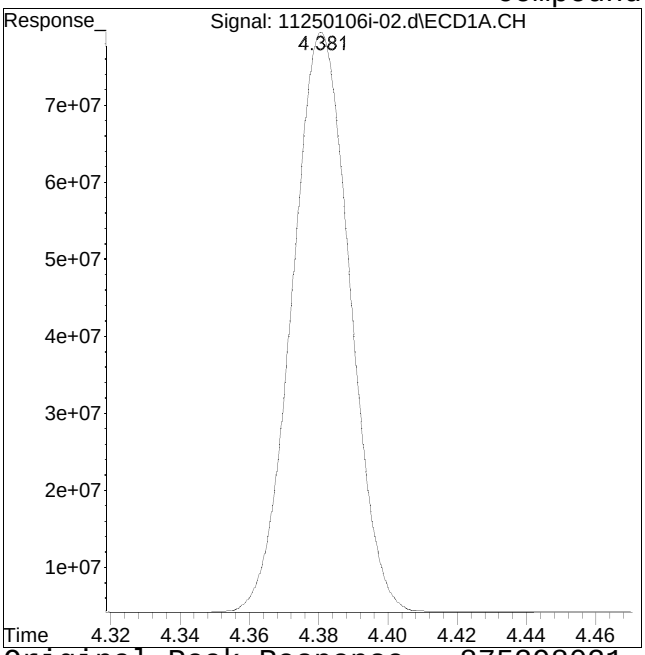
Manual Peak Response = 783169 M4

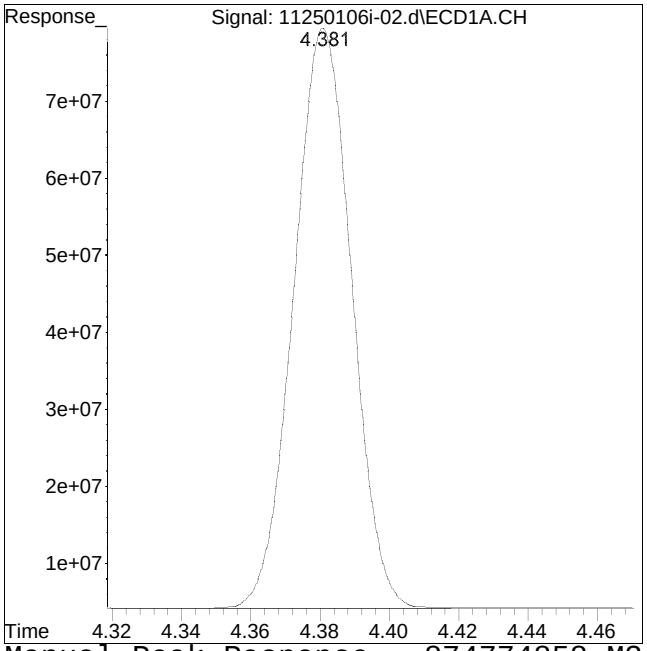
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-02.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:35 Instrument : Pest 11
Sample : pem11250106i-01,42e,,pp 11Quant Date : 1/7/2025 1:06 pm

Compound #18: Endrin



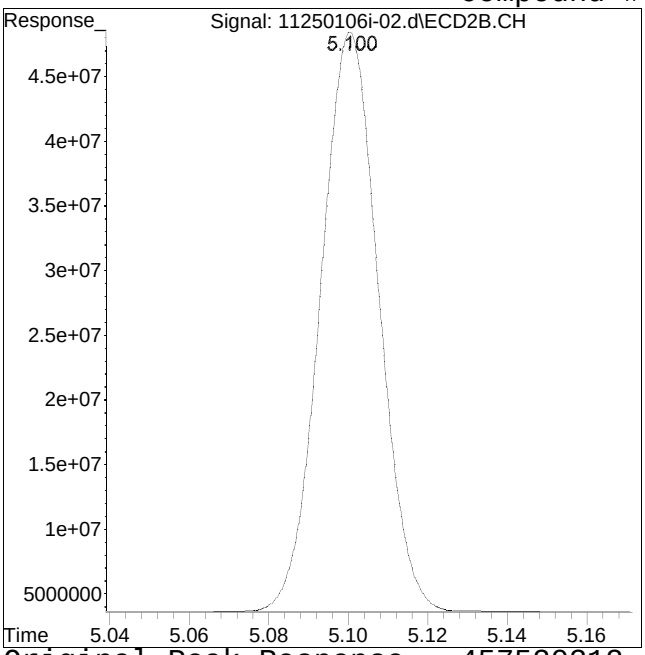


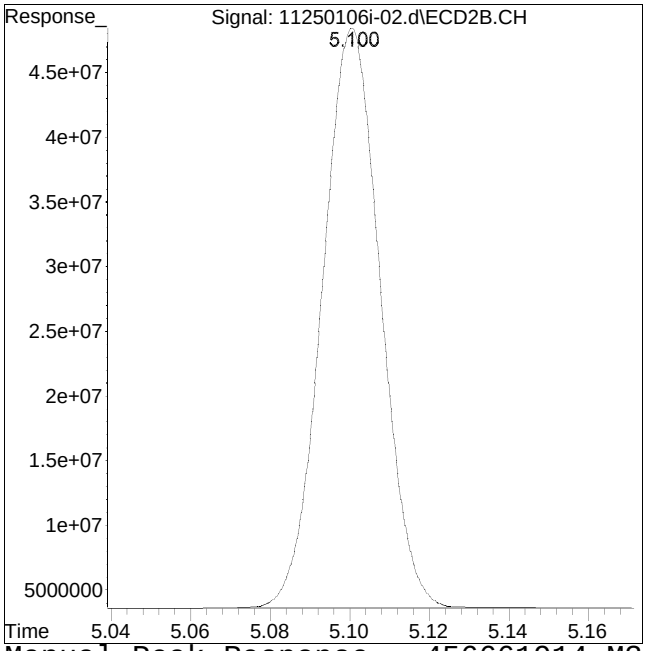
Original Peak Response = 875398021 Manual Peak Response = 874774858 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-02.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:35 Instrument : Pest 11
Sample : pem11250106i-01,42e,,pp 11Quant Date : 1/7/2025 1:06 pm

Compound #56: Endrin #2





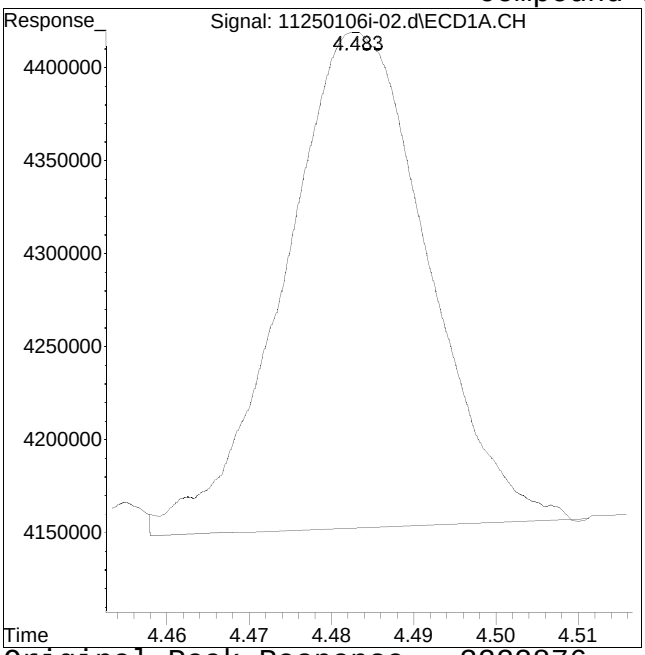
Original Peak Response = 457520312 Manual Peak Response = 456661914 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

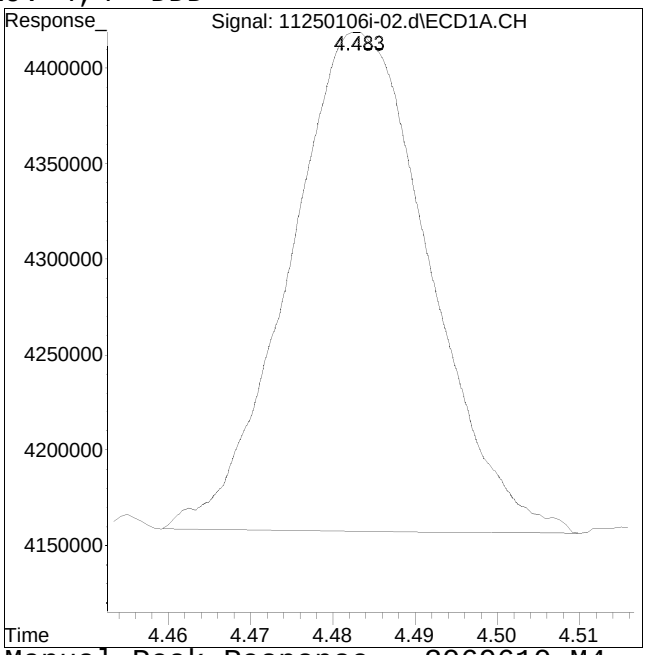
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-02.d
Date Inj'd : 1/6/2025 12:35
Sample : pem11250106i-01,42e,,pp 11

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 1:06 pm

Compound #19: 4,4'-DDD



Original Peak Response = 3222876



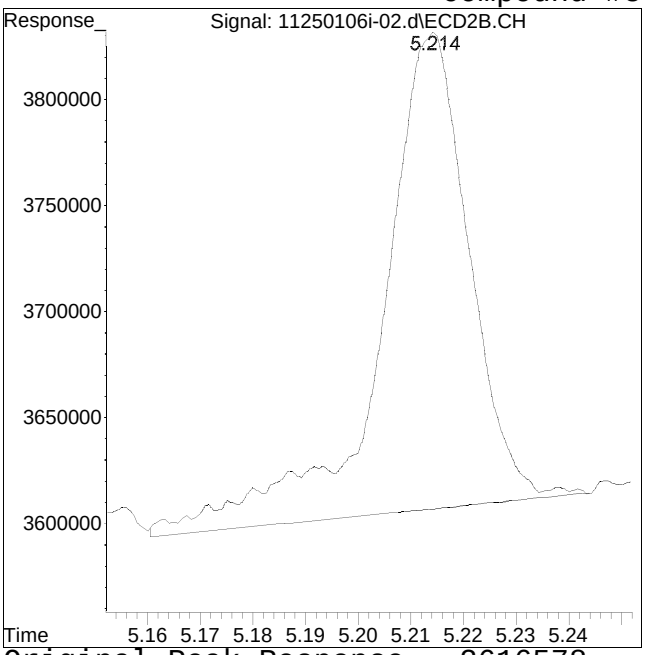
Manual Peak Response = 3069610 M4

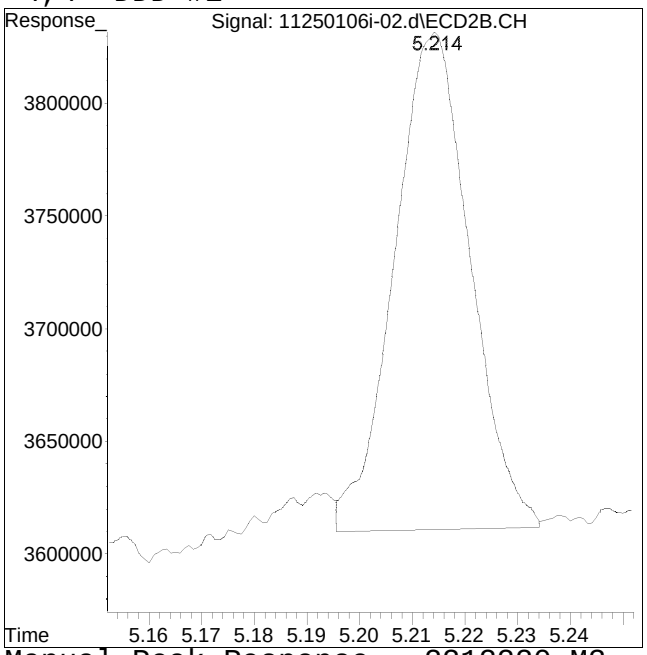
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-02.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:35 Instrument : Pest 11
Sample : pem11250106i-01,42e,,pp 11Quant Date : 1/7/2025 1:06 pm

Compound #57: 4,4'-DDD #2



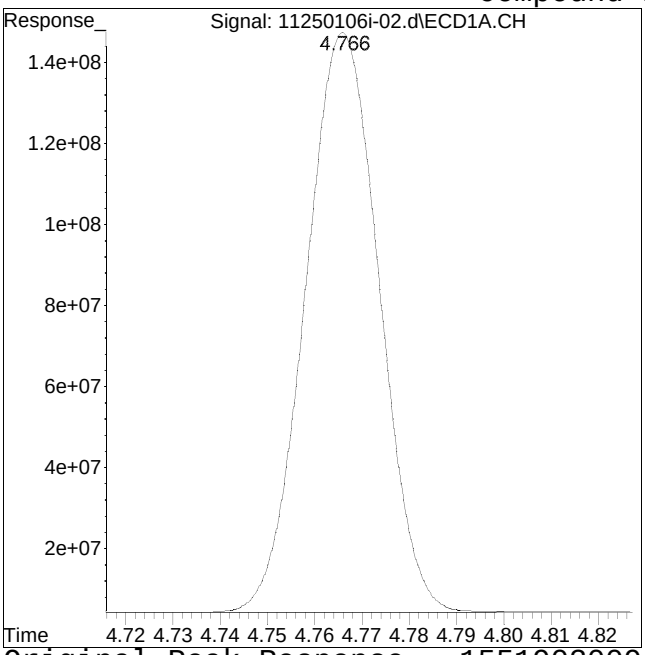


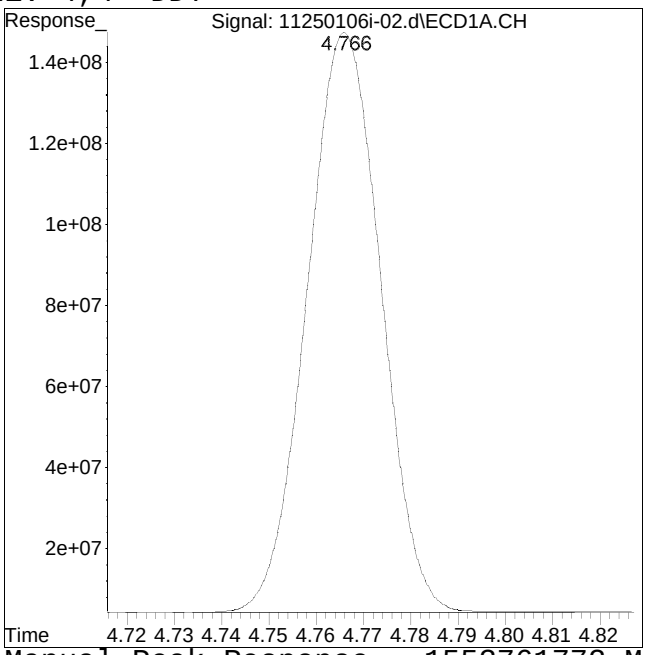
Original Peak Response = 2616578 Manual Peak Response = 2212220 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-02.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:35 Instrument : Pest 11
Sample : pem11250106i-01,42e,,pp 11Quant Date : 1/7/2025 1:06 pm

Compound #21: 4,4'-DDT





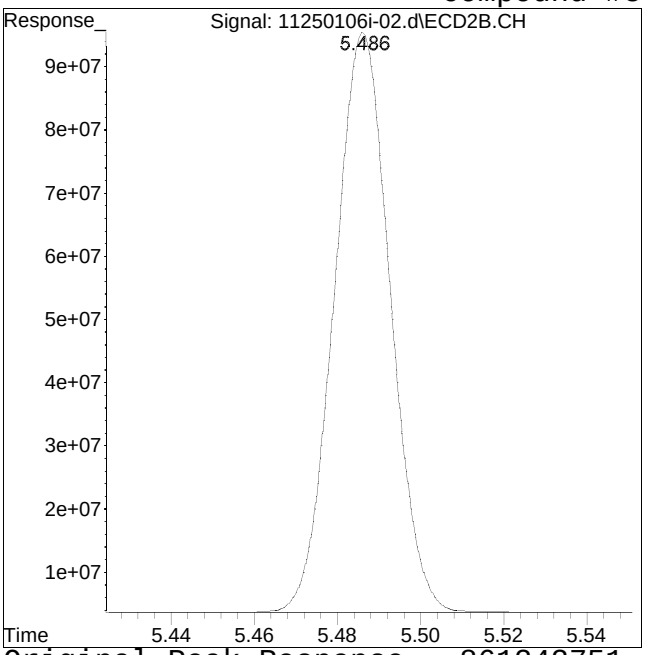
Original Peak Response = 1551903009 Manual Peak Response = 1553761772 M4
M4 = Poor automated baseline construction.

Manual Integration Report

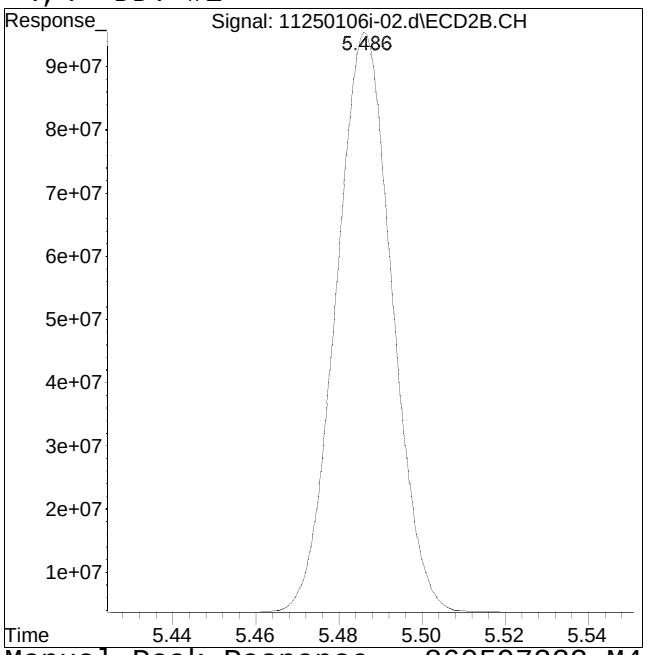
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-02.d
Date Inj'd : 1/6/2025 12:35
Sample : pem11250106i-01,42e,,pp 11

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 1:06 pm

Compound #59: 4,4'-DDT #2



Original Peak Response = 861242751



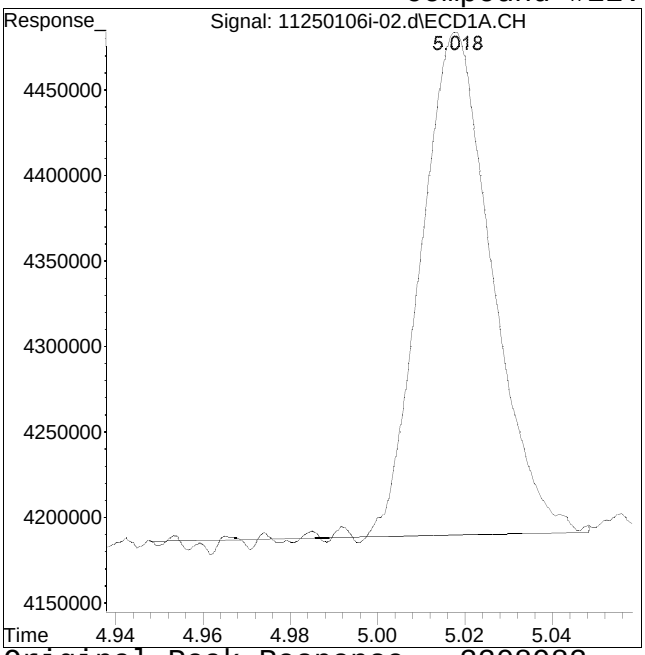
Manual Peak Response = 860597322 M4

M4 = Poor automated baseline construction.

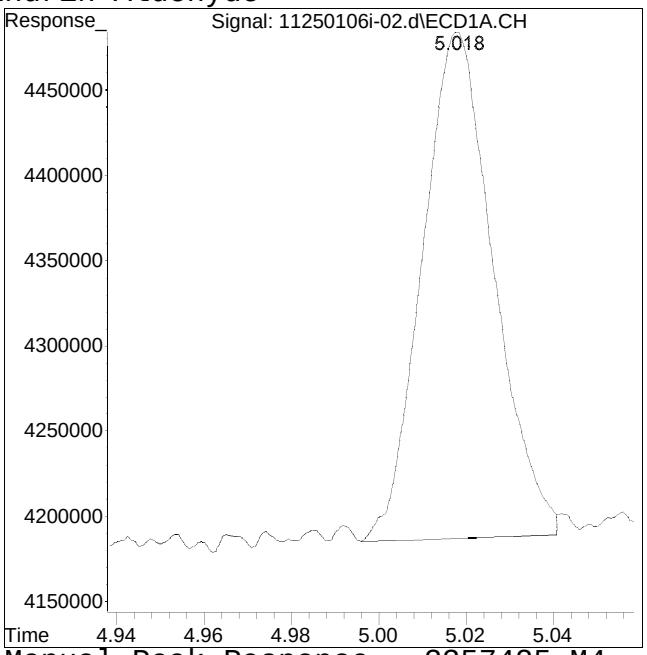
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-02.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:35 Instrument : Pest 11
Sample : pem11250106i-01,42e,,pp 11Quant Date : 1/7/2025 1:06 pm

Compound #22: Endrin Aldehyde



Original Peak Response = 3308983



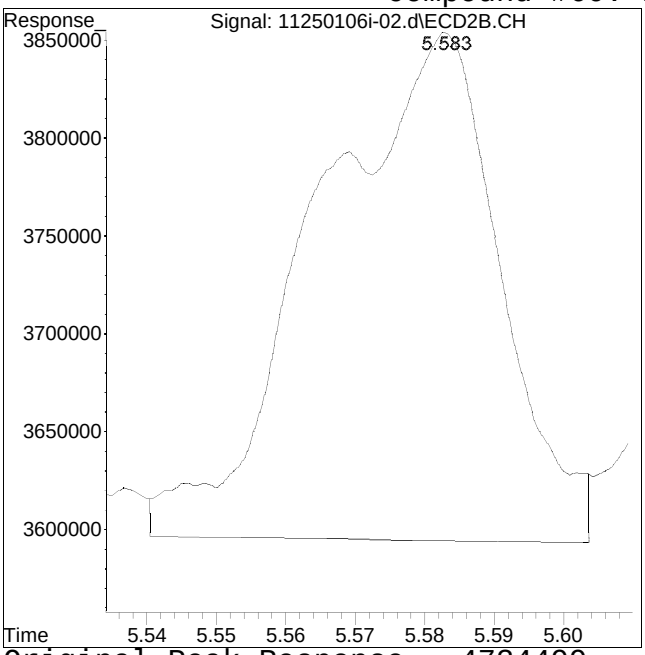
Manual Peak Response = 3357425 M4

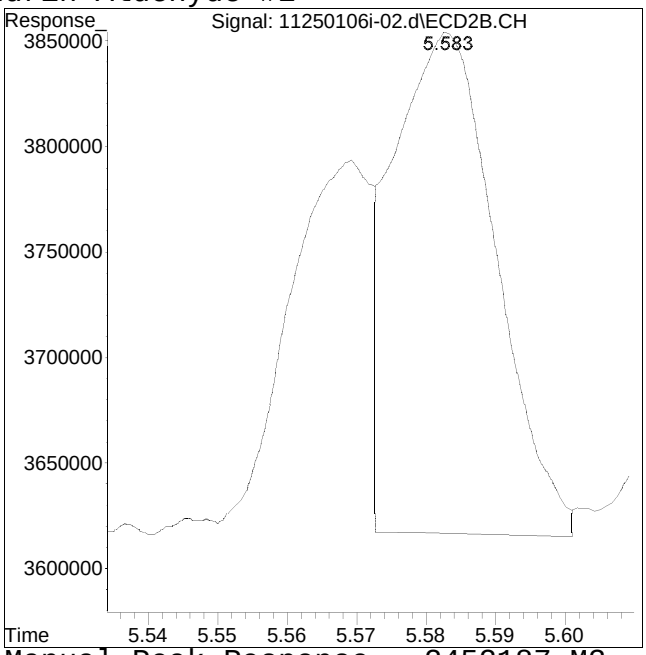
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-02.d
Date Inj'd : 1/6/2025 12:35
Sample : pem11250106i-01,42e,,pp 11
Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 1:06 pm

Compound #60: Endrin Aldehyde #2





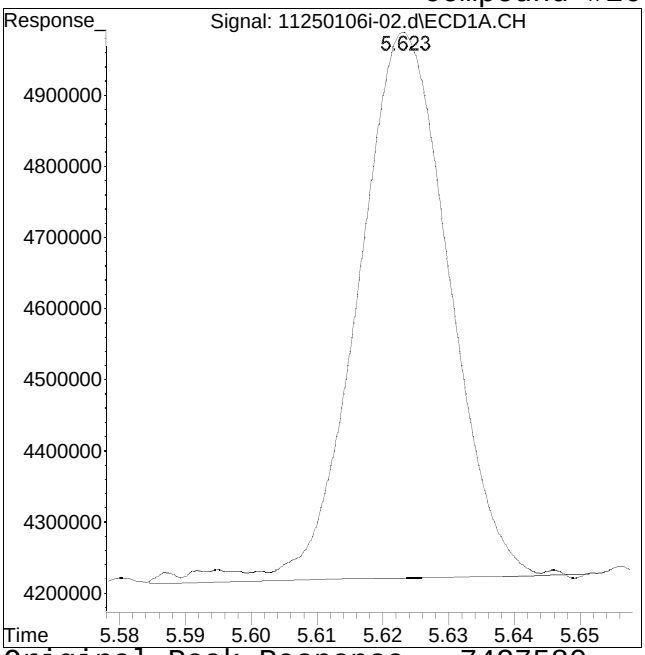
Original Peak Response = 4734499 Manual Peak Response = 2452187 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

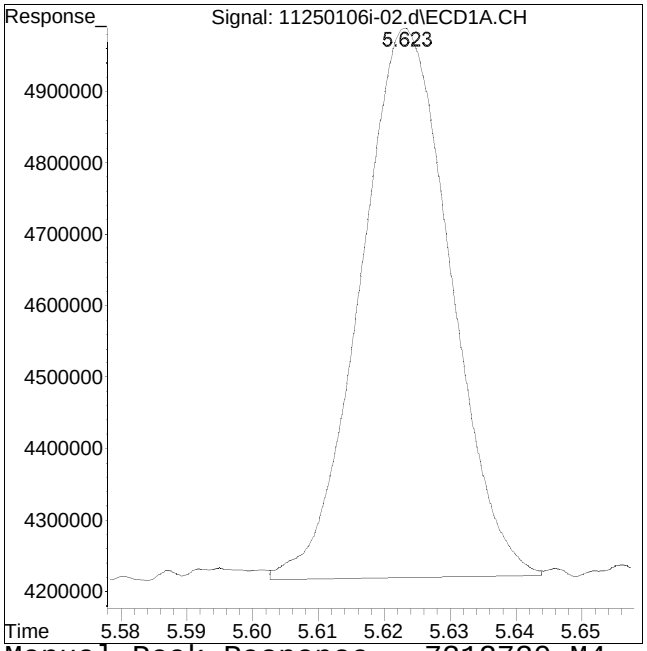
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-02.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:35 Instrument : Pest 11
Sample : pem11250106i-01,42e,,pp 11Quant Date : 1/7/2025 1:06 pm

Compound #26: Endrin Ketone



Original Peak Response = 7427580



Manual Peak Response = 7312730 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 12:47
Operator : PEST11:akm
Sample : il1pest,42e,,pp 11941 L0.0005
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:32:53 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:32:45 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
		Internal Standards						
1)	i	1-br-2-nb_Pe	1.376	1.456	317.5E6	200.8E6	25.000M4	25.000M4
28)	i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33)	i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
		System Monitoring Compounds						
2)	s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
		Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27)	s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
		Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
		Target Compounds						
3)	t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	t	gamma-BHC (l	2.270	2.699	10050790	6932708	0.534M3	0.632M3
6)	t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 12:47
Operator : PEST11:akm
Sample : il1pest,42e,,pp 11941 L0.0005
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:32:53 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:32:45 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D.	N.D.
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

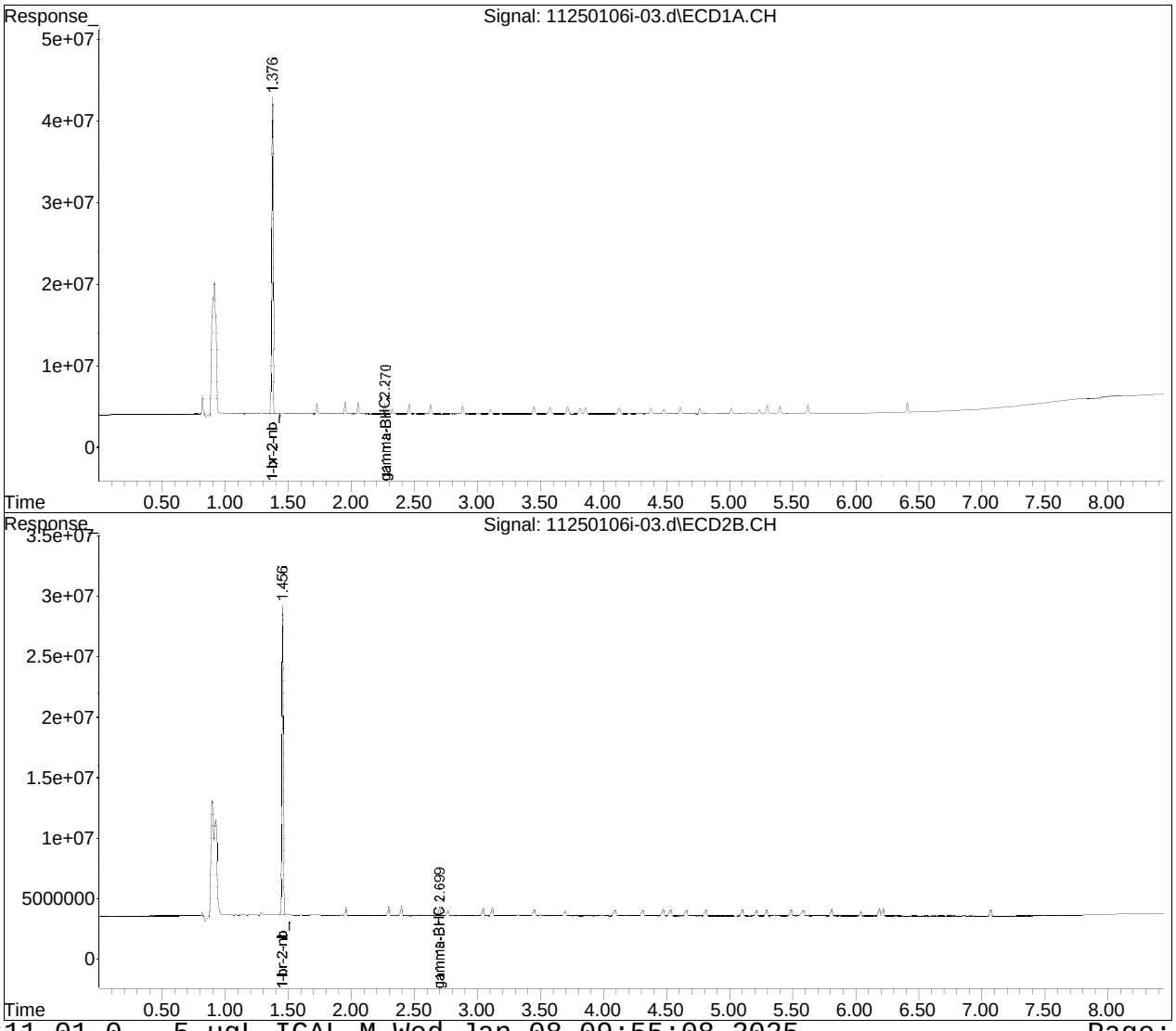
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 12:47
Operator : PEST11:akm
Sample : il1pest,42e,,pp 11941 L0.0005
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:32:53 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:32:45 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

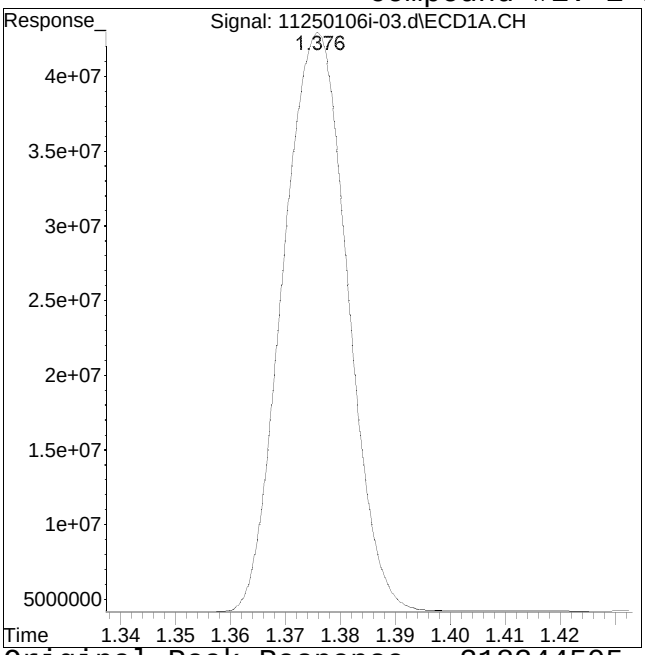
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



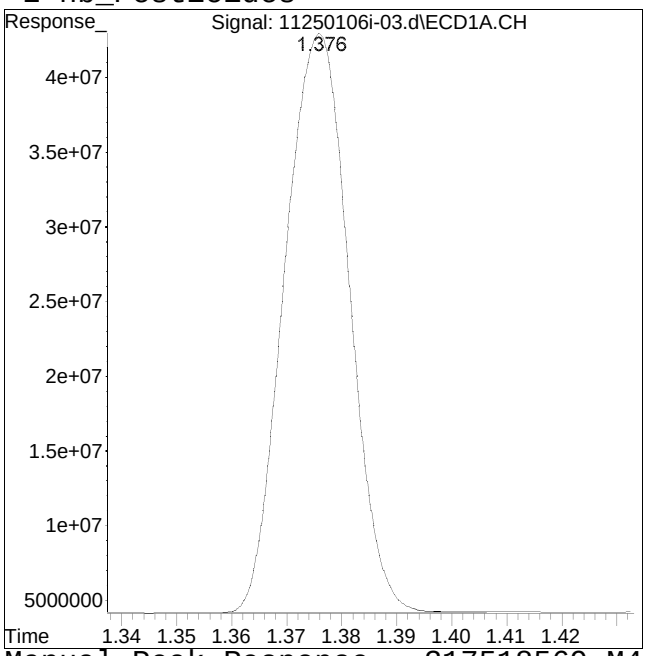
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-03.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:47 Instrument : Pest 11
Sample : il1pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:32 pm

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 318344505



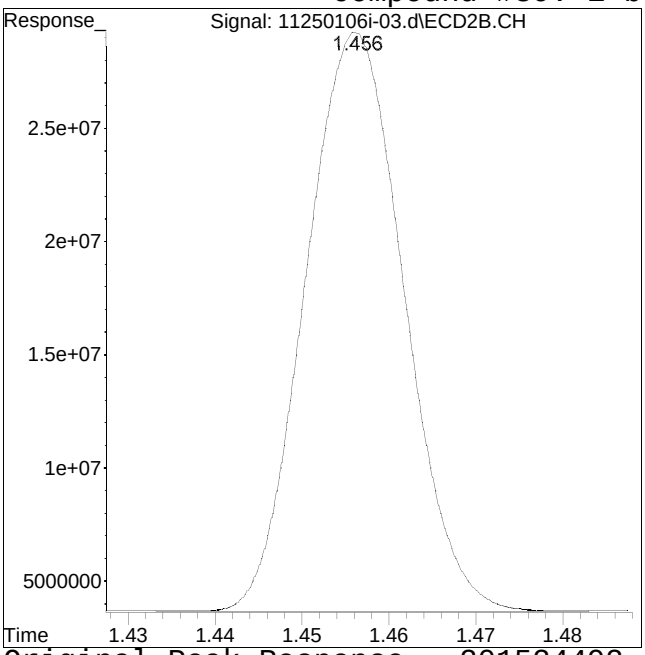
Manual Peak Response = 317518569 M4

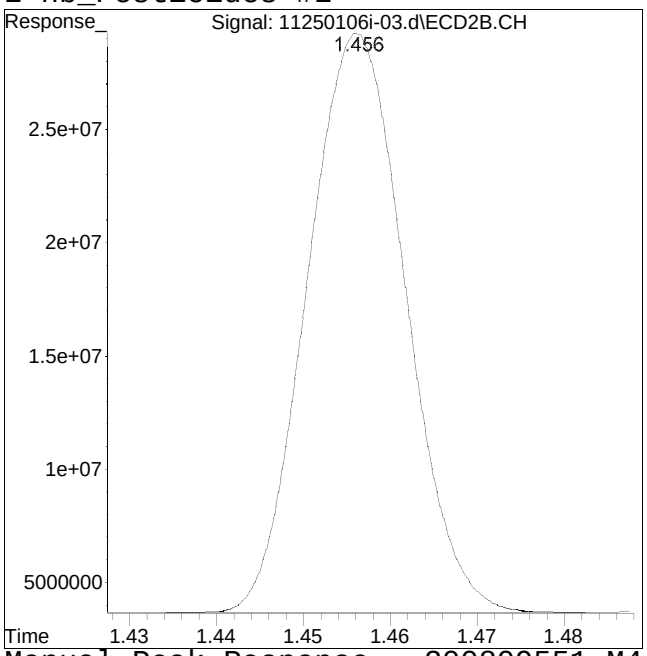
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-03.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:47 Instrument : Pest 11
Sample : il1pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:32 pm

Compound #39: 1-br-2-nb_Pesticides #2



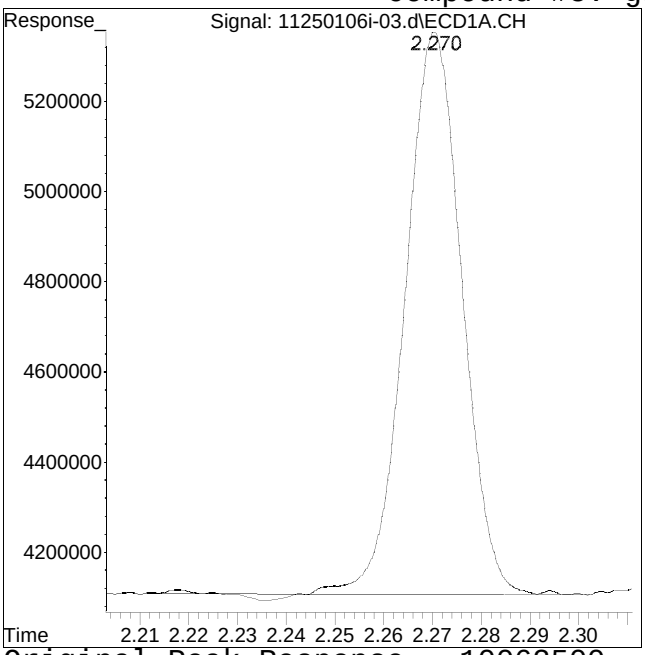


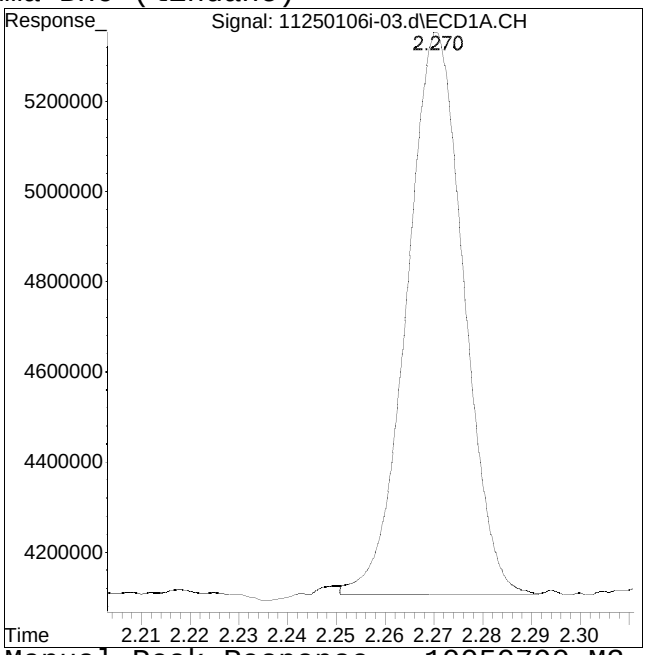
Original Peak Response = 201524492 Manual Peak Response = 200809551 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-03.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:47 Instrument : Pest 11
Sample : il1pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:32 pm

Compound #5: gamma-BHC (lindane)



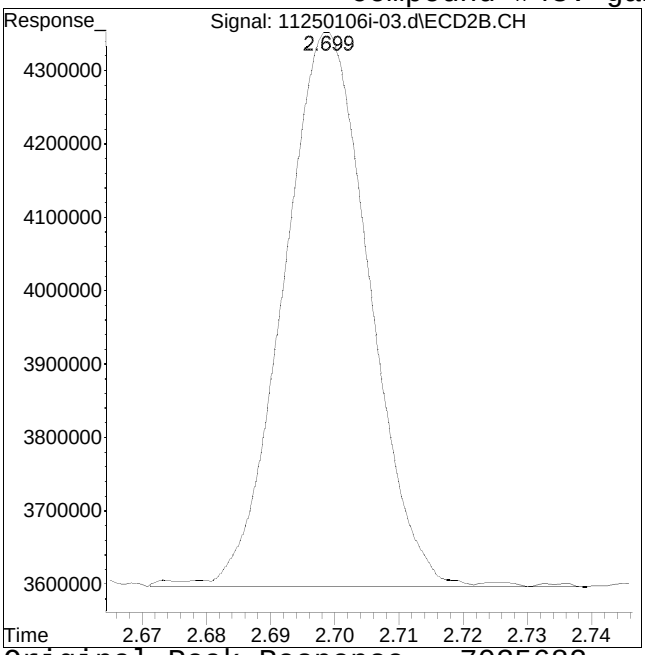


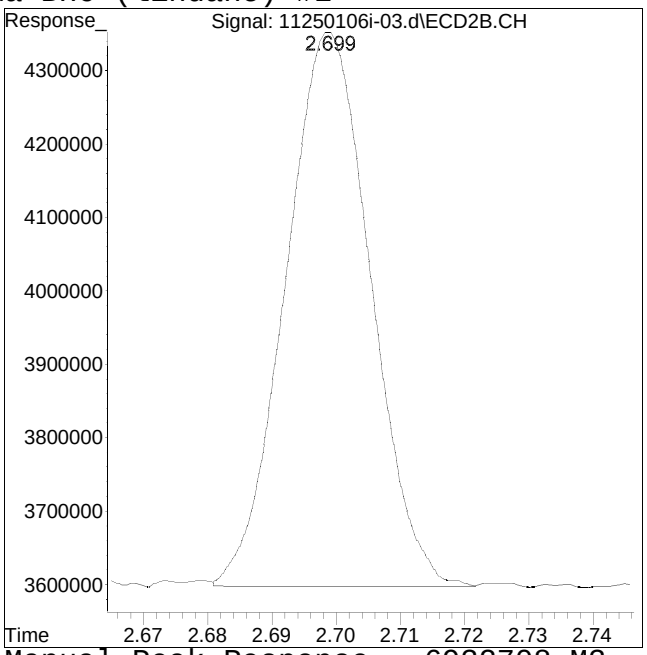
Original Peak Response = 10062500 Manual Peak Response = 10050790 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-03.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:47 Instrument : Pest 11
Sample : il1pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:32 pm

Compound #43: gamma-BHC (lindane) #2





Original Peak Response = 7035682 Manual Peak Response = 6932708 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 12:59
Operator : PEST11:akm
Sample : il2pest,42e,,pp 11941 L0.001
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:26:31 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:25:40 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.375	1.456	320.9E6	197.3E6	25.000M3	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.732	1.959	16620459	9097862	1.076M4	1.119
	Spiked Amount 50.000	Range 30 - 150		Recovery =		2.15%#	2.24%#
27) s	Decachlorobi	6.409	7.068	16742509	8588024	1.153M4	1.208M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		2.31%#	2.42%#
	Target Compounds						
3) t	Hexachlorobe	1.956	2.297	18571043	11168196	1.092M4	1.228M3
4) t	alpha-BHC	2.058	2.398	18164021	11401556	0.856M4	0.991M4
5) t	gamma-BHC (l	2.270	2.698	17380061	11242665	0.904M3	1.049M4
6) t	beta-BHC	2.329	2.765	9583266	6262306	1.087M3	1.255M4
7) t	delta-BHC	2.463	3.046	17256613	11263572	0.884M4	1.038M3
8) t	Heptachlor	2.633	3.117	18255949	12513192	1.016M3	1.147M4
9) t	Aldrin	2.886	3.452	17067501	10554405	0.944M4	1.074M4
10) t	Alachlor	3.010	3.324	2768972	1888081	1.036M4	1.141M4
11) t	Chlorpyrifos	3.105	3.695	10956186	7803201	1.139M4	1.302M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 12:59
Operator : PEST11:akm
Sample : il2pest,42e,,pp 11941 L0.001
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:26:31 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:25:40 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.452	4.091	17245526	11575656	1.016	1.178M3
13)	t	gamma-Chlord	3.579	4.312	17529775	10028986	1.076M4	1.142M4
14)	t	alpha-Chlord	3.718	4.471	19135281	11175284	1.031M4	1.143M4
15)	t	4,4'-DDE	3.816	4.657	15374921	9805538	0.891M3	1.062M3
16)	t	Endosulfan I	3.859	4.530	16389176	10711607	1.006M4	1.185M4
17)	t	Dieldrin	4.127	4.810	16824477	10031479	0.996M4	1.106M4
18)	t	Endrin	4.378	5.100	15658493	9798105	0.952M4	1.071M4
19)	t	4,4'-DDD	4.480	5.213	11888463	7819640	0.914M4	1.054M3
20)	t	Endosulfan I	4.609	5.292	15363867	9595151	1.012M4	1.151M4
21)	t	4,4'-DDT	4.763	5.485	13567340	9031746	0.967M4	1.071M3
22)	t	Endrin Aldeh	5.014	5.582	12605145	9864235	0.999M3	1.346M3
23)	t	Methoxychlor	5.235	6.039	8623821	5758547	1.107M4	1.215M3
24)	t	Mirex	5.299	6.186	16614338	9713801	1.153M4	1.317
25)	t	Endosulfan S	5.397	5.807	15283302	9617731	1.008M3	1.175M4
26)	t	Endrin Keton	5.621	6.216	15400510	9754453	1.020M4	1.130M4
29)	l1	chlordane-1	0.000	0.000	0	0	N.D.	N.D.
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 12:59
Operator : PEST11:akm
Sample : il2pest,42e,,pp 11941 L0.001
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:26:31 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:25:40 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

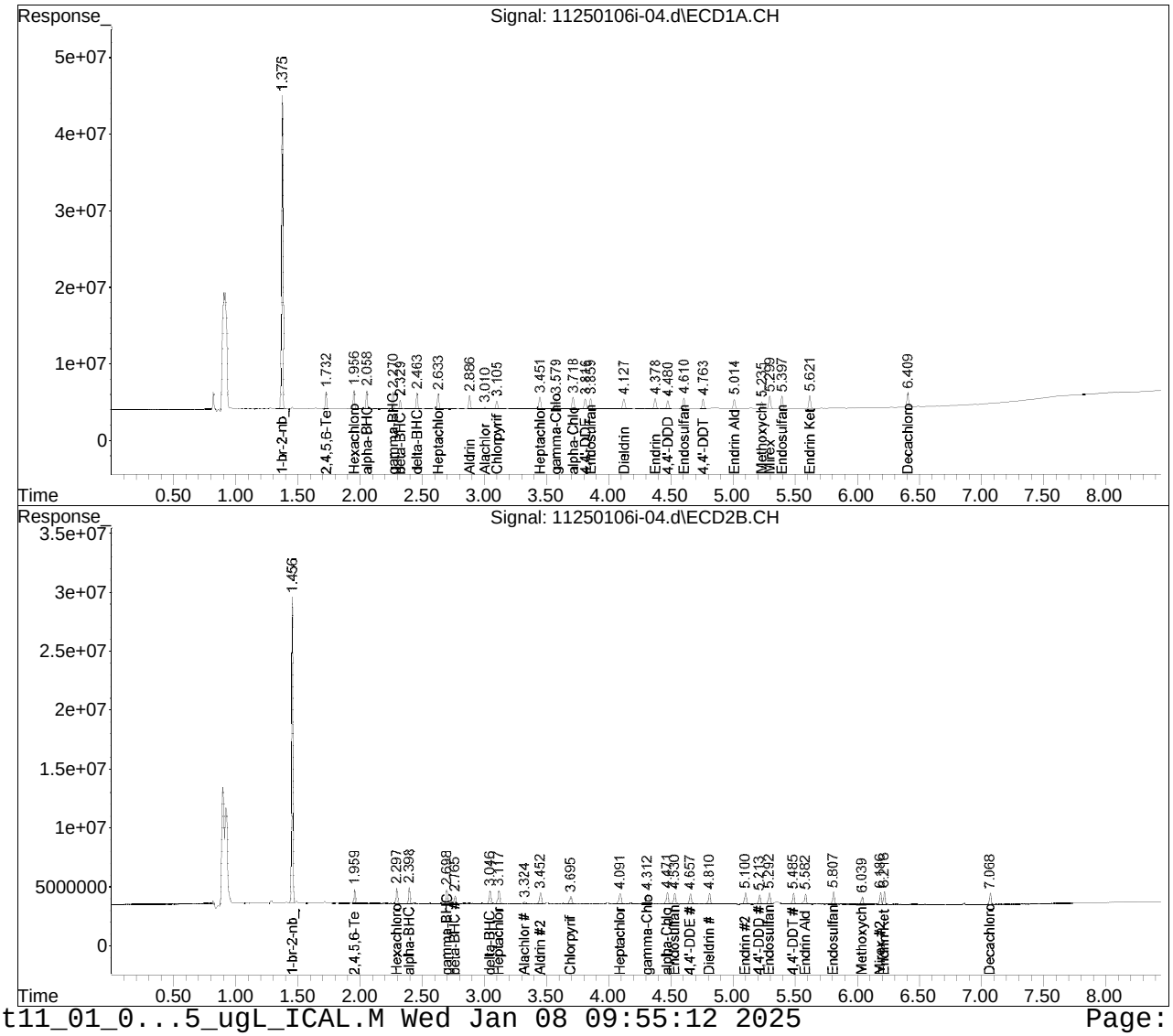
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 12:59
Operator : PEST11:akm
Sample : il2pest,42e,,pp 11941 L0.001
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:26:31 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:25:40 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

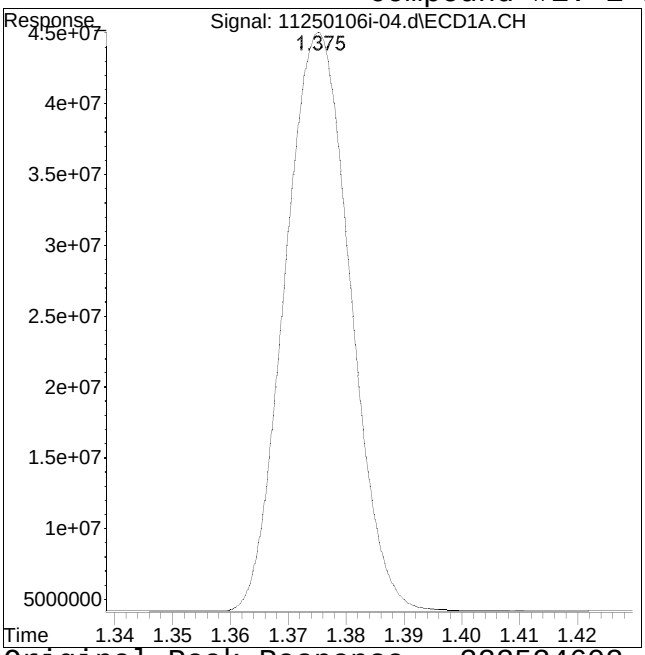


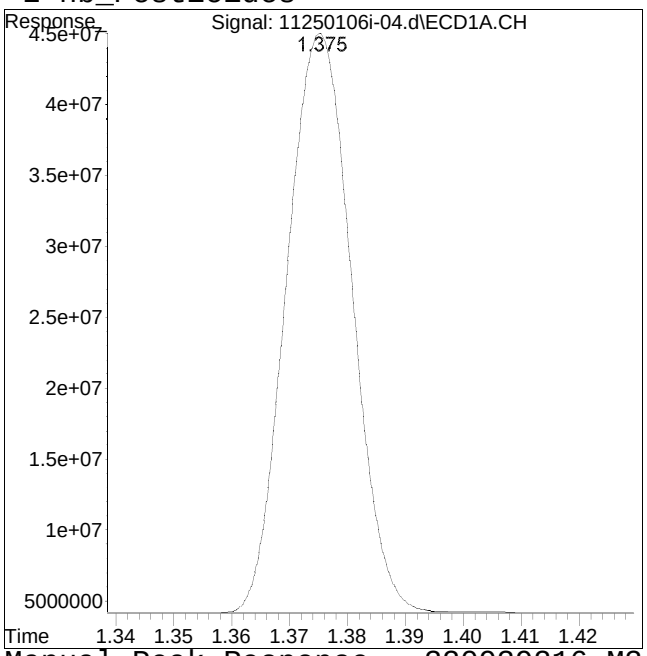
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-04.d
Date Inj'd : 1/6/2025 12:59
Sample : il2pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:26 pm

Compound #1: 1-br-2-nb_Pesticides





Original Peak Response = 323534603 Manual Peak Response = 320939216 M3

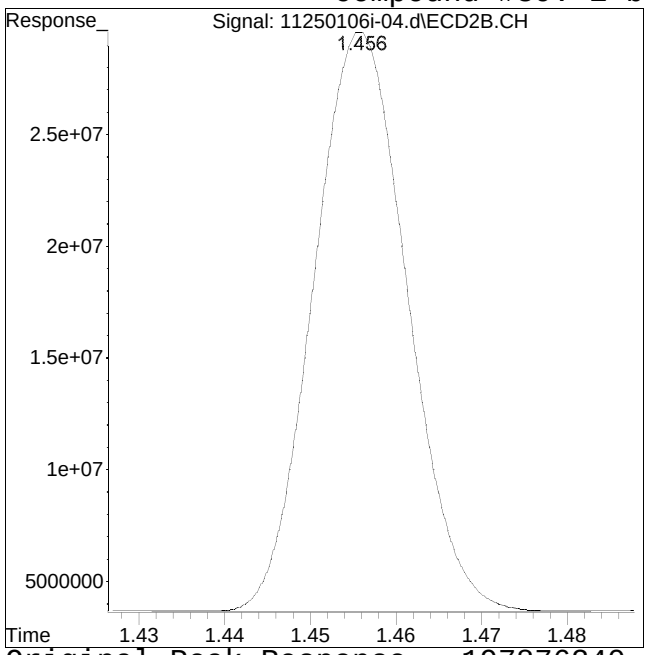
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

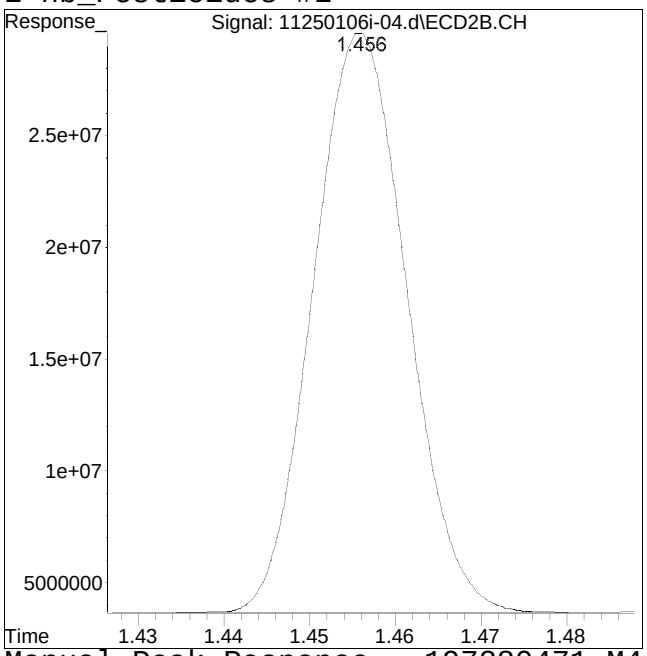
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-04.d
Date Inj'd : 1/6/2025 12:59
Sample : il2pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:26 pm

Compound #39: 1-br-2-nb_Pesticides #2



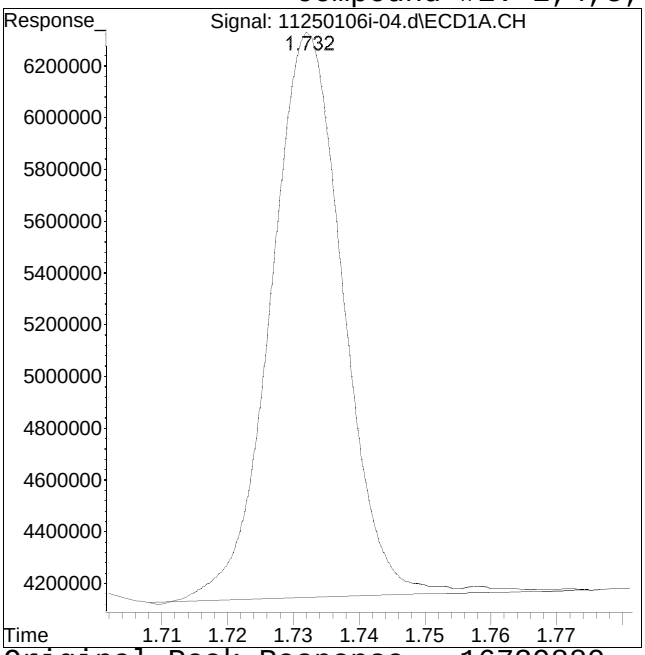


Original Peak Response = 197876240 Manual Peak Response = 197280471 M4
M4 = Poor automated baseline construction.

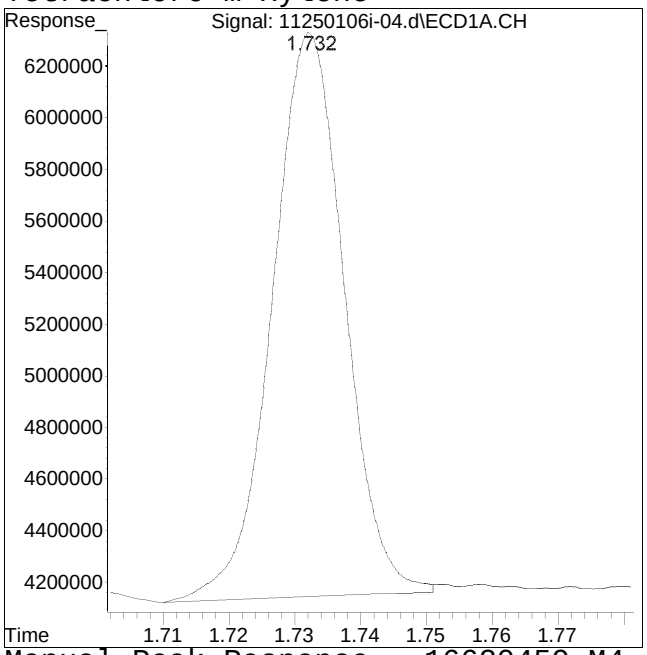
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-04.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:59 Instrument : Pest 11
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:26 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 16739880



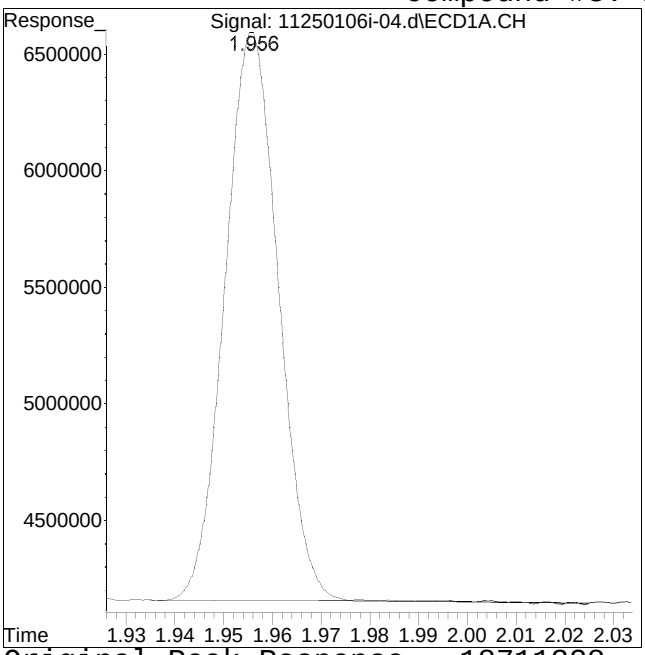
Manual Peak Response = 16620459 M4

M4 = Poor automated baseline construction.

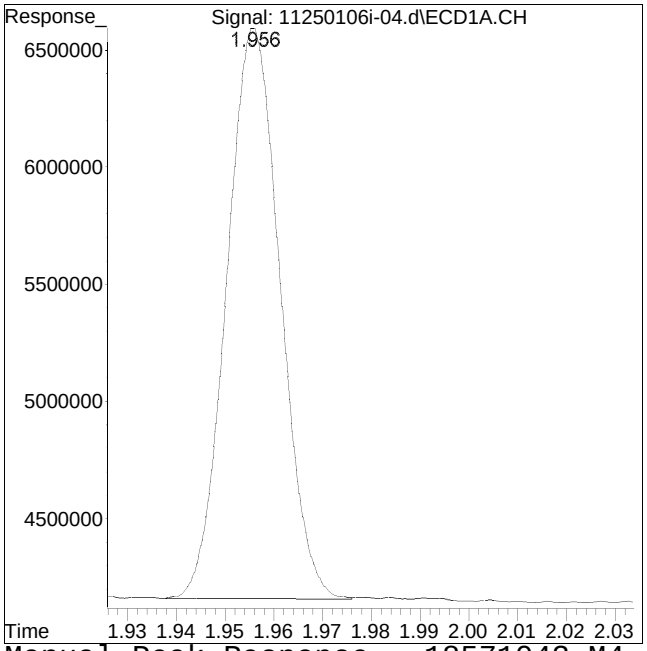
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-04.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:59 Instrument : Pest 11
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:26 pm

Compound #3: Hexachlorobenzene



Original Peak Response = 18711328

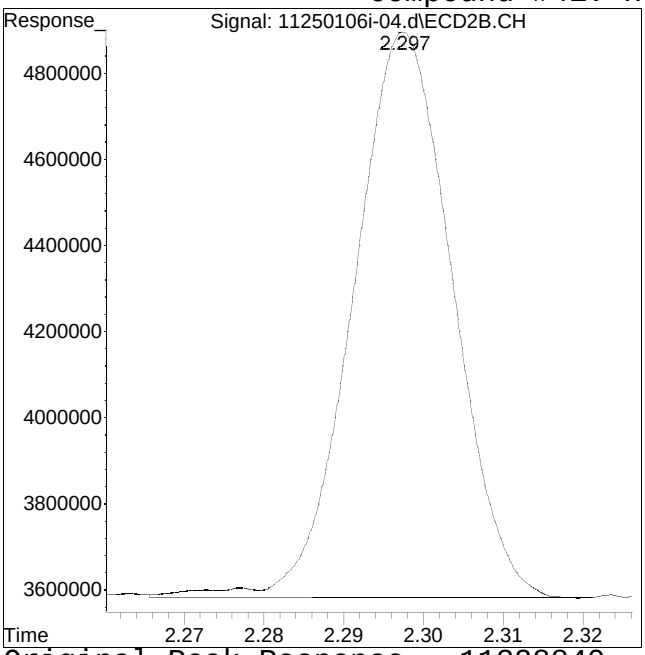


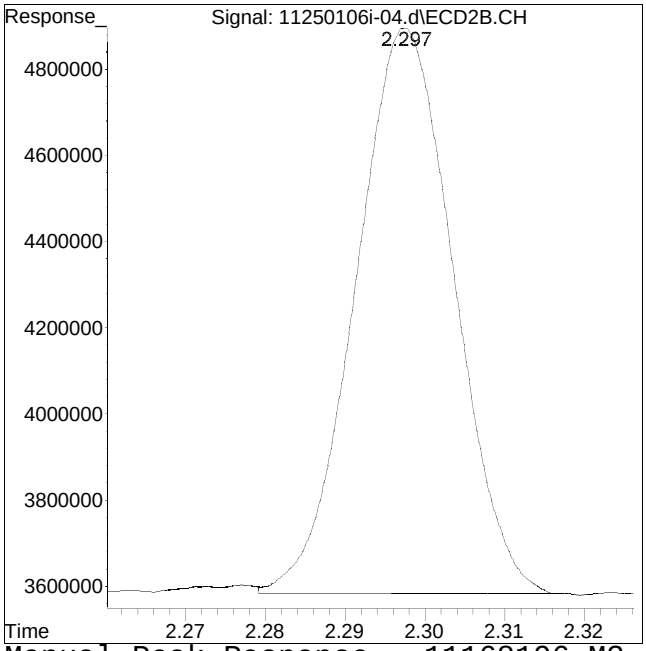
Manual Peak Response = 18571043 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-04.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:59 Instrument : Pest 11
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:26 pm

Compound #41: Hexachlorobenzene #2





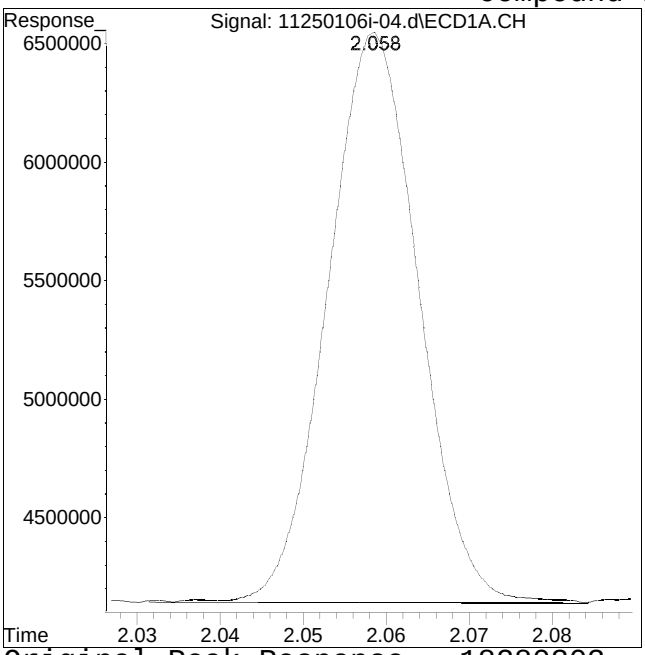
Original Peak Response = 11328840 Manual Peak Response = 11168196 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

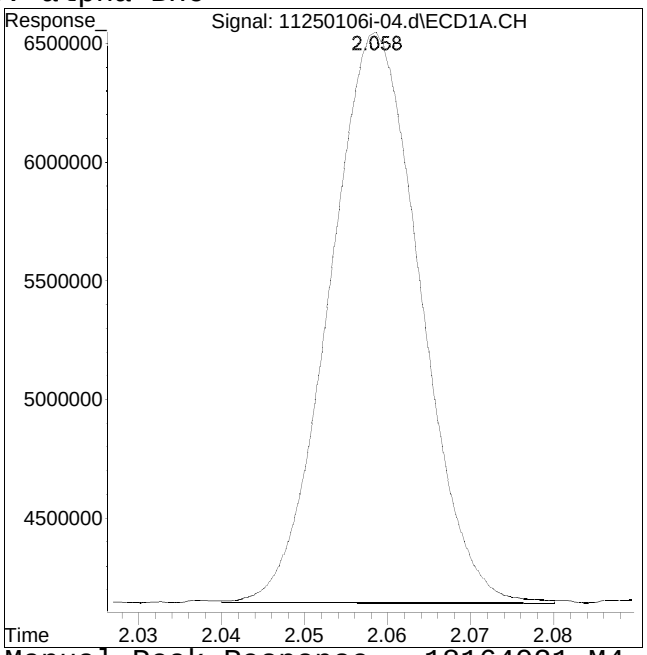
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-04.d
Date Inj'd : 1/6/2025 12:59
Sample : il2pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:26 pm

Compound #4: alpha-BHC



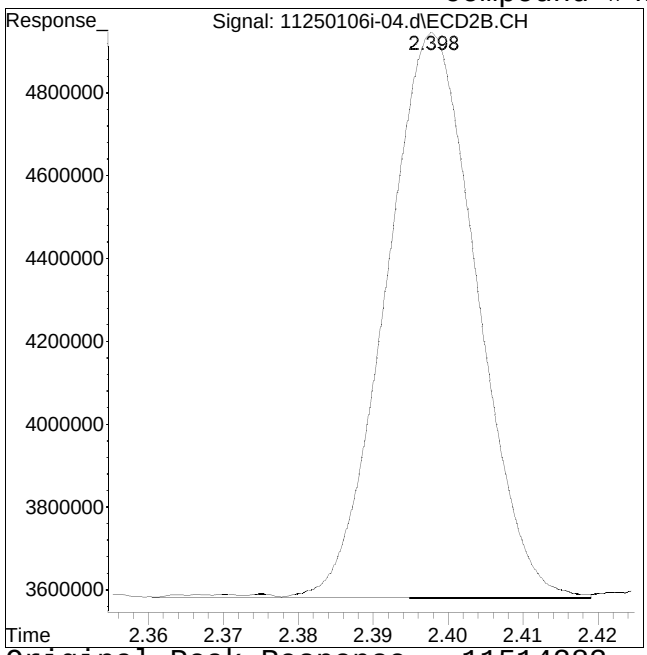


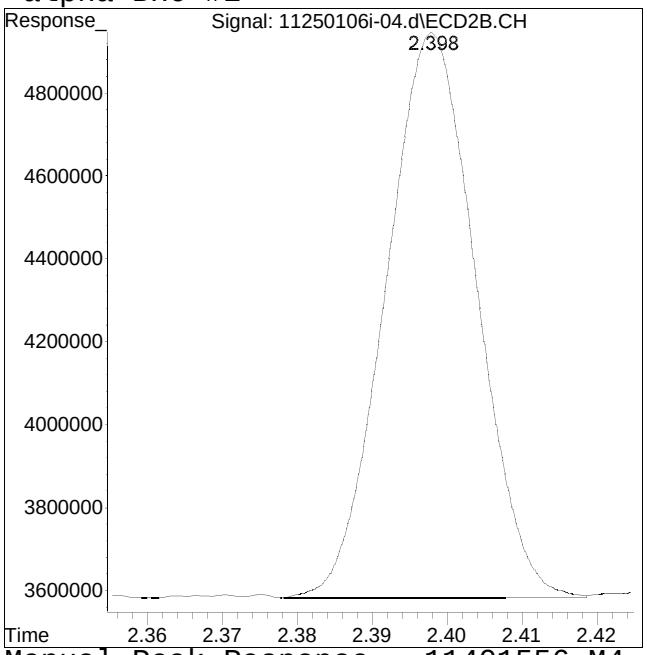
Original Peak Response = 18280303 Manual Peak Response = 18164021 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-04.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:59 Instrument : Pest 11
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:26 pm

Compound #42: alpha-BHC #2



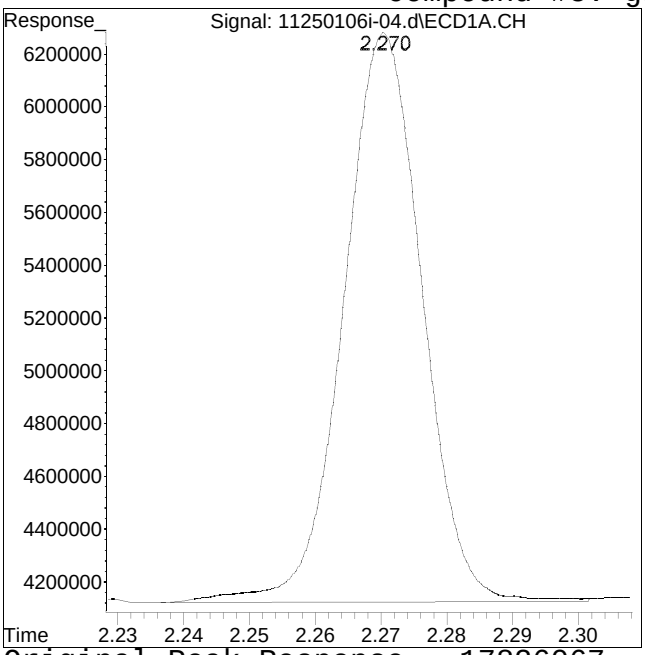


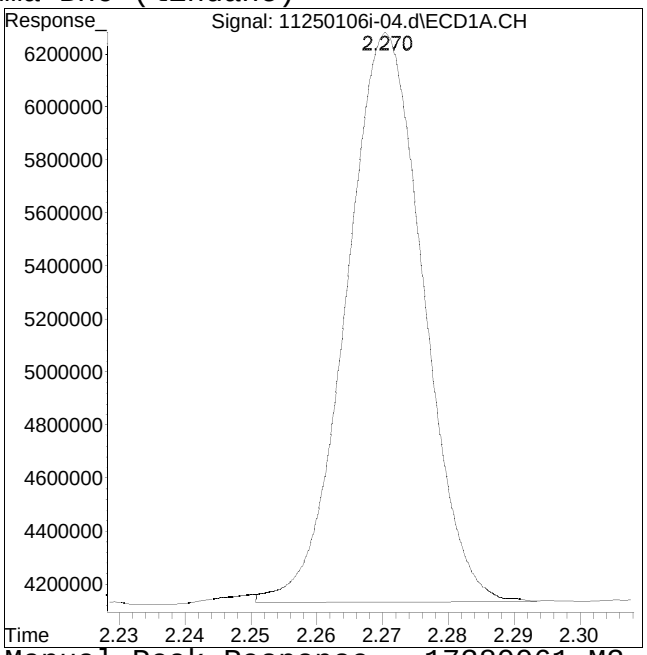
Original Peak Response = 11514283 Manual Peak Response = 11401556 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-04.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:59 Instrument : Pest 11
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:26 pm

Compound #5: gamma-BHC (lindane)



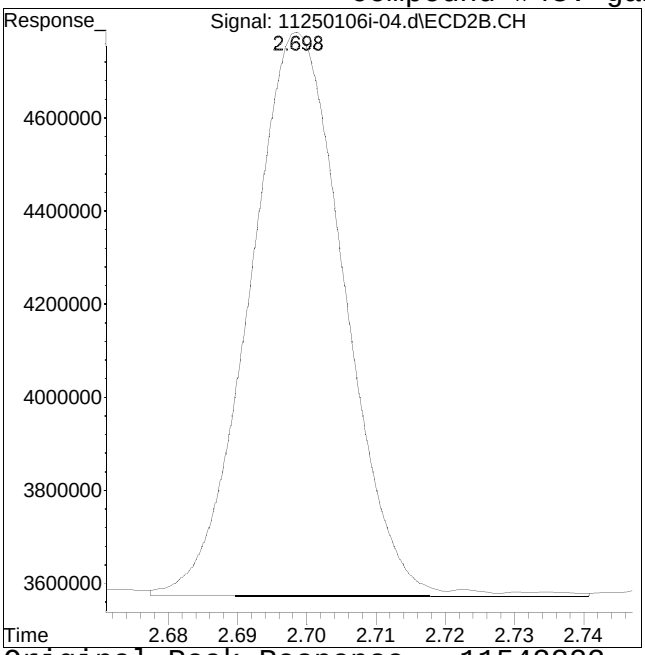


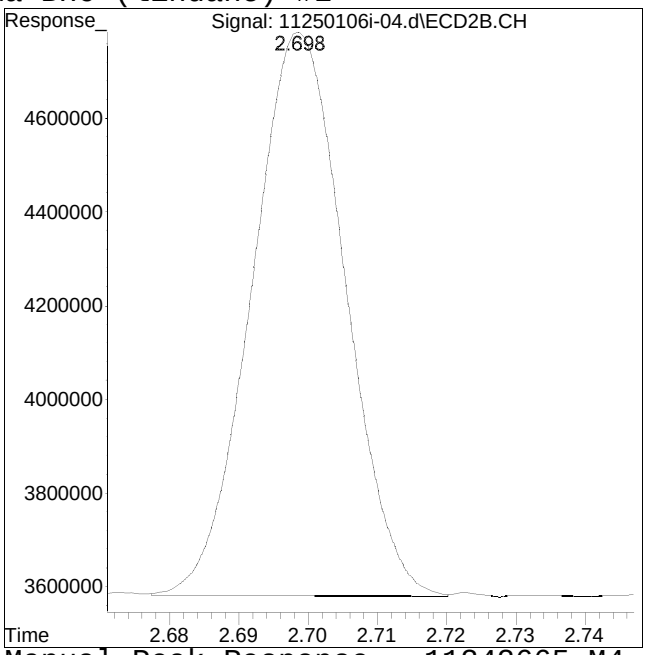
Original Peak Response = 17826067 Manual Peak Response = 17380061 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-04.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:59 Instrument : Pest 11
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:26 pm

Compound #43: gamma-BHC (lindane) #2



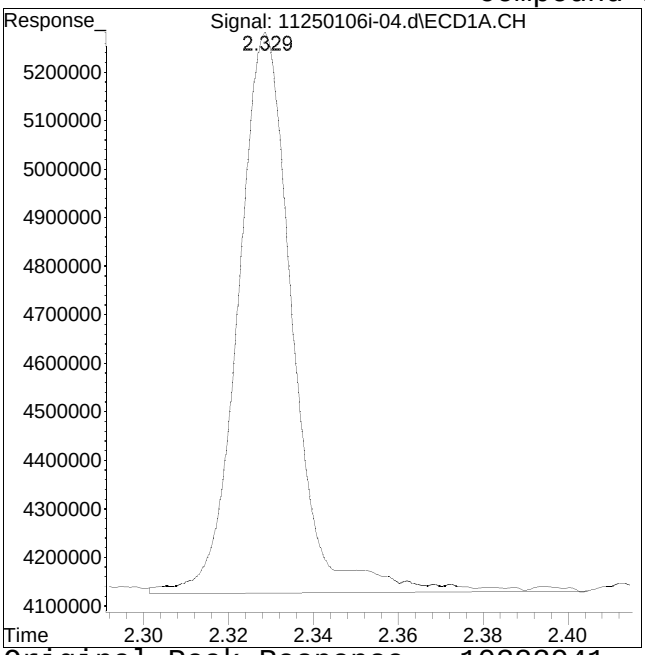


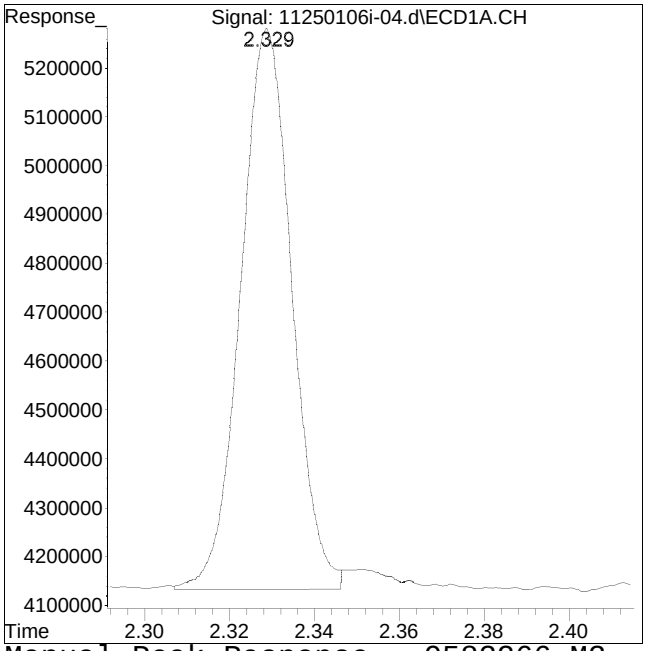
Original Peak Response = 11542222 Manual Peak Response = 11242665 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-04.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:59 Instrument : Pest 11
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:26 pm

Compound #6: beta-BHC



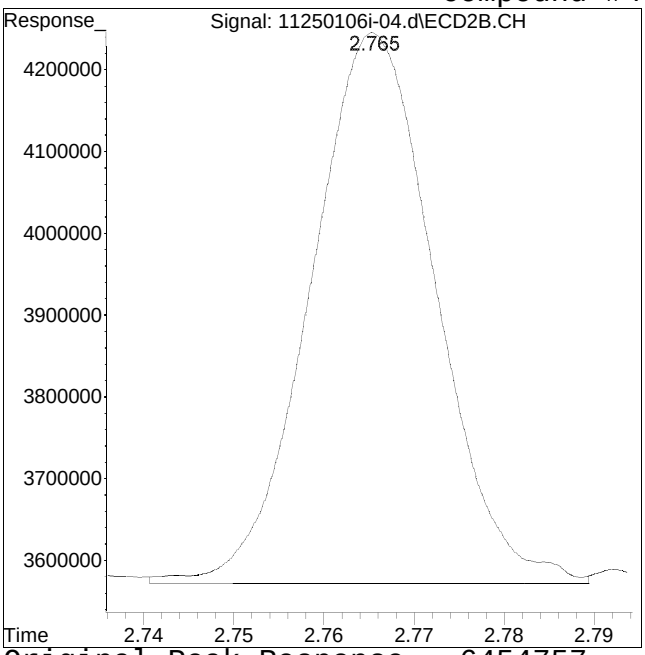


Original Peak Response = 10322941 Manual Peak Response = 9583266 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

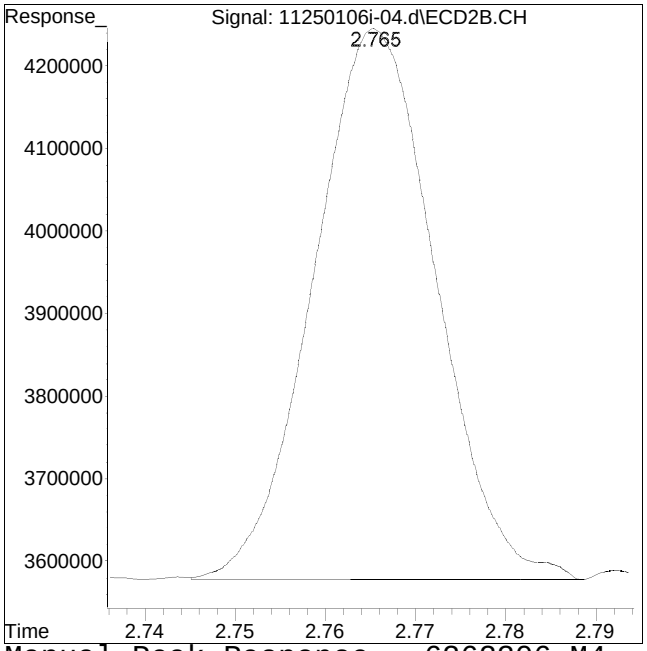
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-04.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:59 Instrument : Pest 11
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:26 pm

Compound #44: beta-BHC #2



Original Peak Response = 6454757



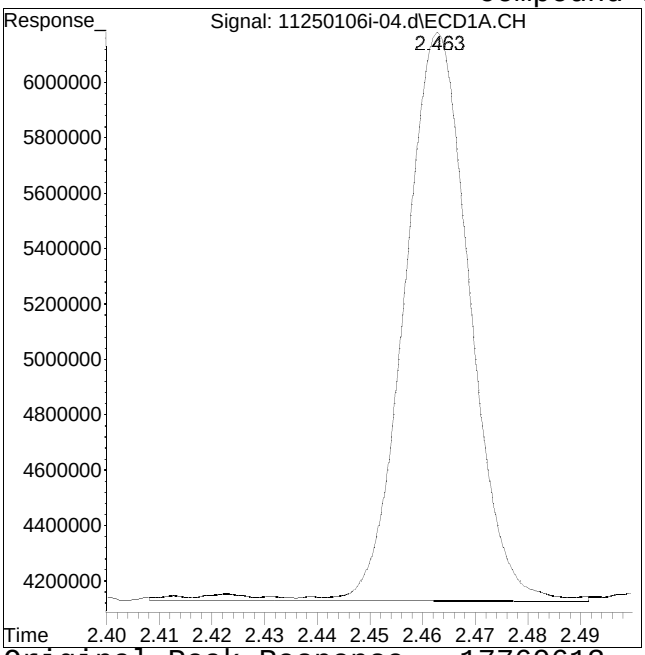
Manual Peak Response = 6262306 M4

M4 = Poor automated baseline construction.

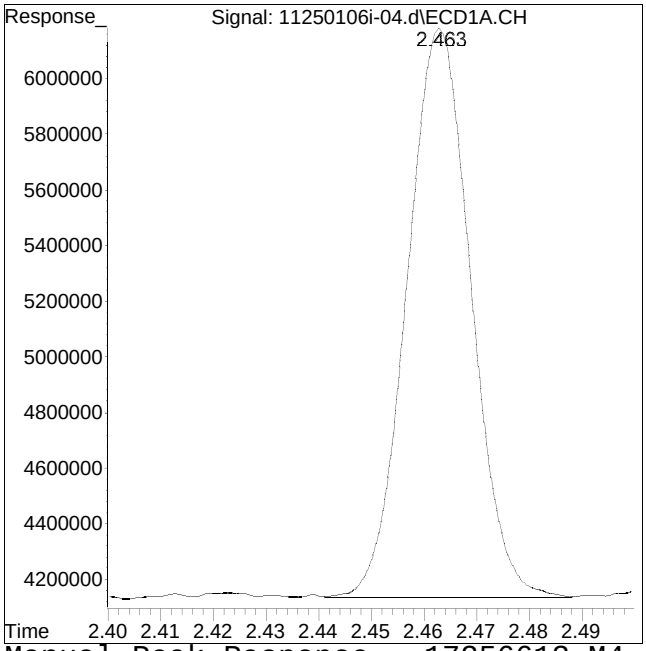
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-04.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:59 Instrument : Pest 11
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:26 pm

Compound #7: delta-BHC



Original Peak Response = 17760613



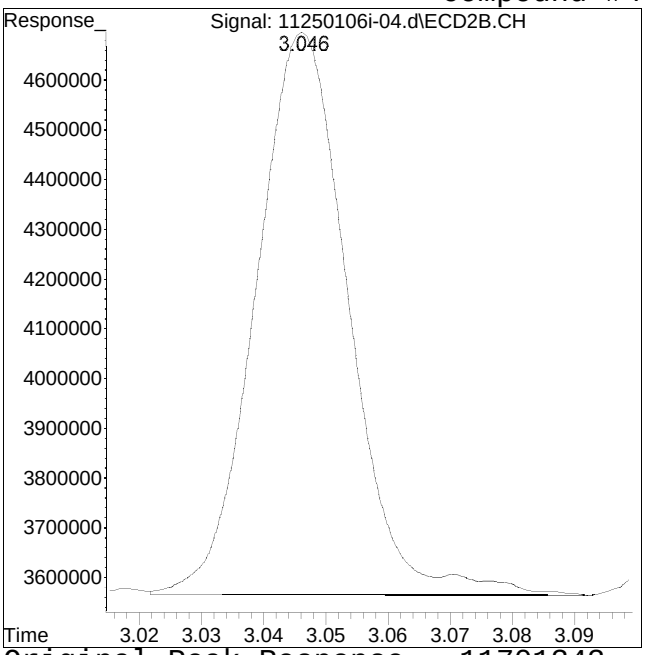
Manual Peak Response = 17256613 M4

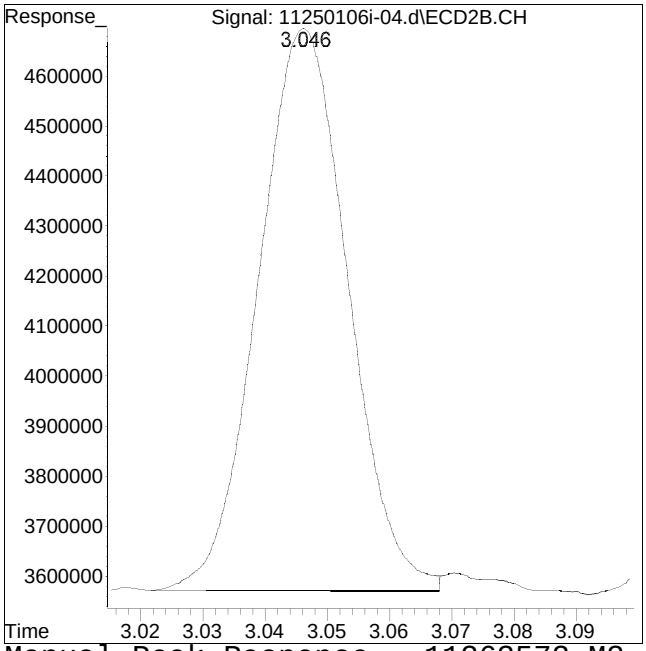
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-04.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:59 Instrument : Pest 11
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:26 pm

Compound #45: delta-BHC #2



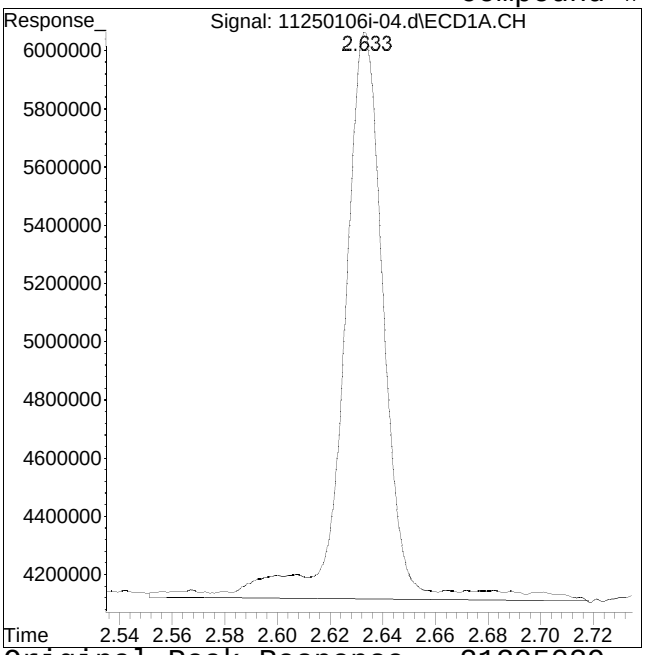


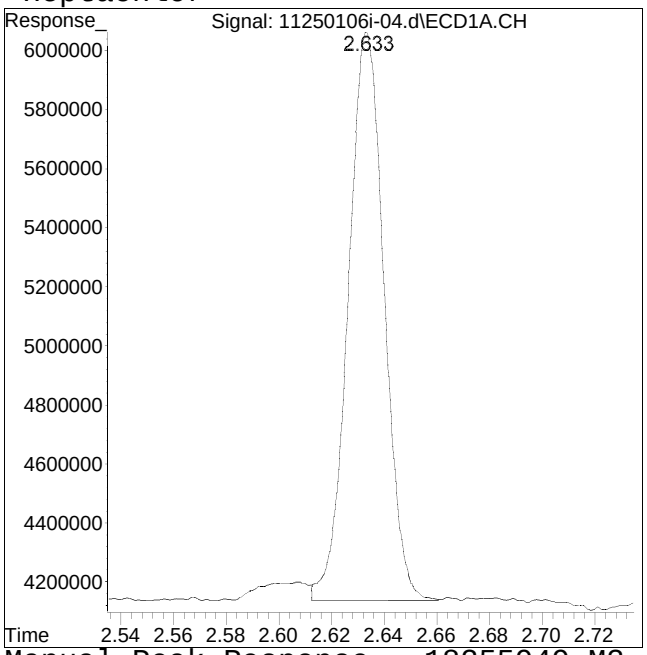
Original Peak Response = 11701343 Manual Peak Response = 11263572 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-04.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:59 Instrument : Pest 11
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:26 pm

Compound #8: Heptachlor



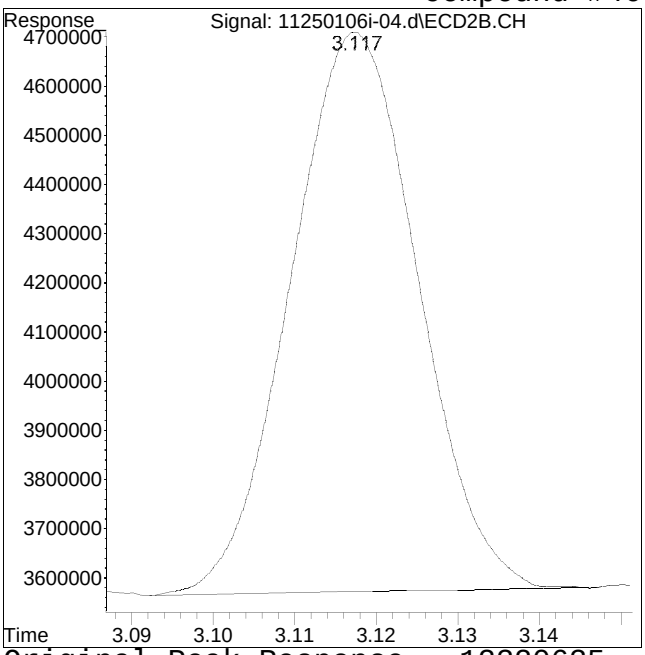


Original Peak Response = 21295039 Manual Peak Response = 18255949 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

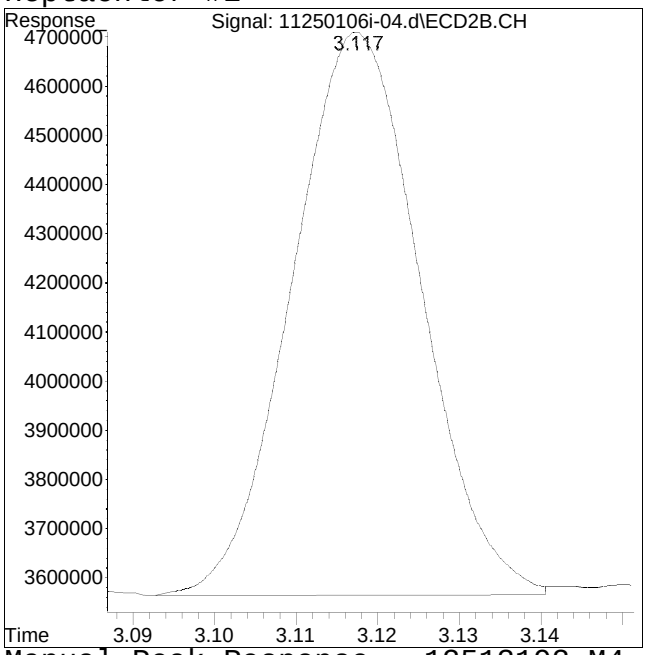
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-04.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:59 Instrument : Pest 11
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:26 pm

Compound #46: Heptachlor #2



Original Peak Response = 12320635



Manual Peak Response = 12513192 M4

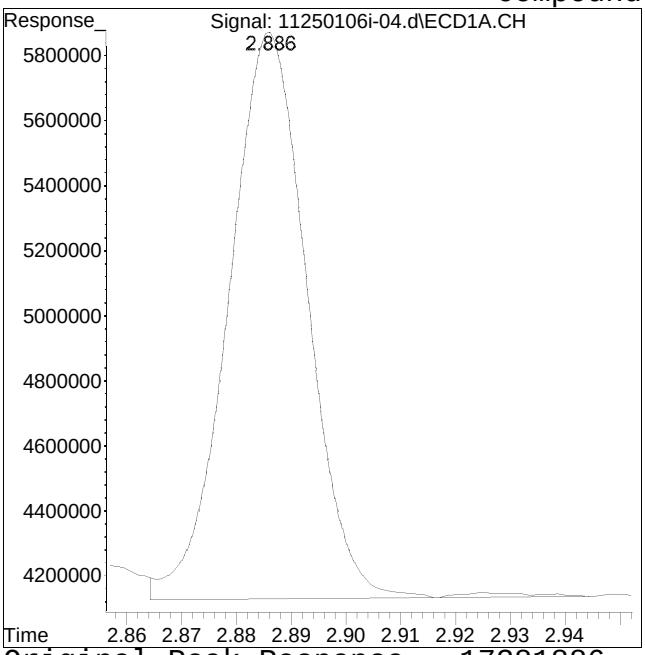
M4 = Poor automated baseline construction.

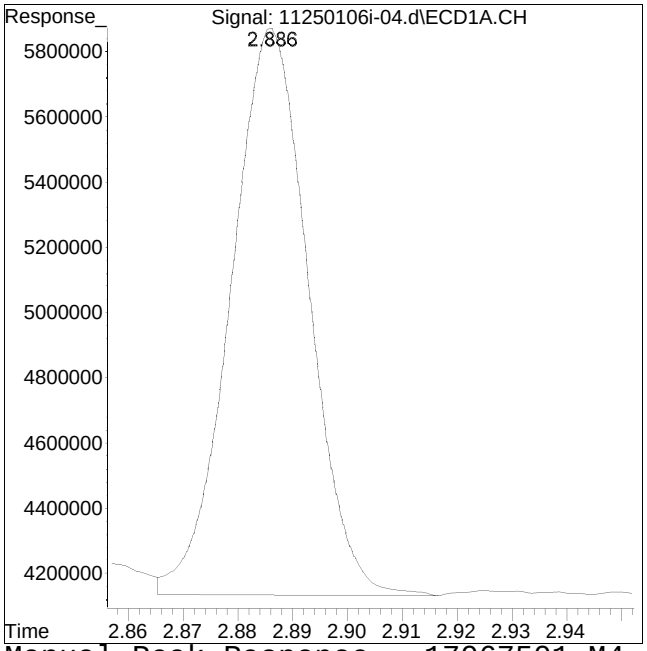
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-04.d
Date Inj'd : 1/6/2025 12:59
Sample : il2pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:26 pm

Compound #9: Aldrin



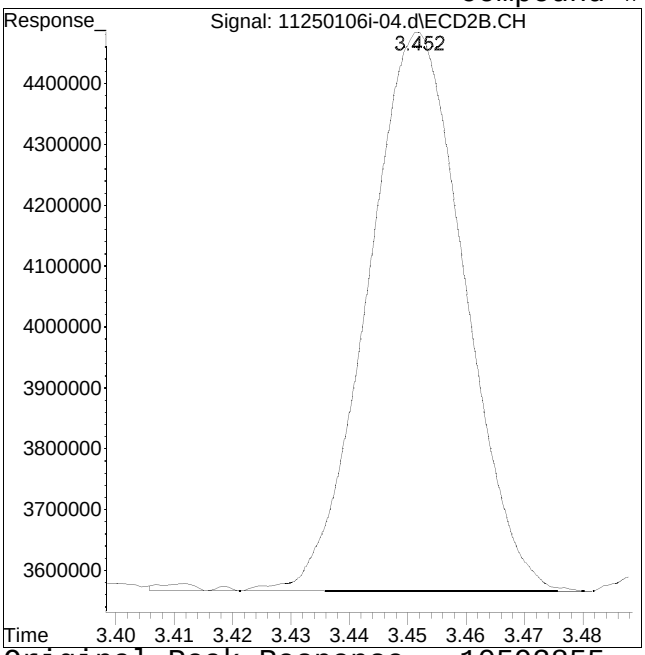


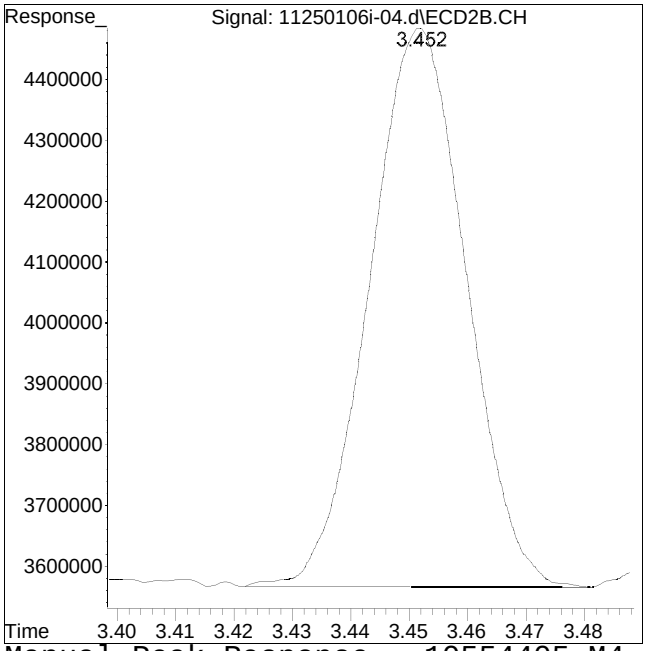
Original Peak Response = 17381886 Manual Peak Response = 17067501 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-04.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:59 Instrument : Pest 11
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:26 pm

Compound #47: Aldrin #2



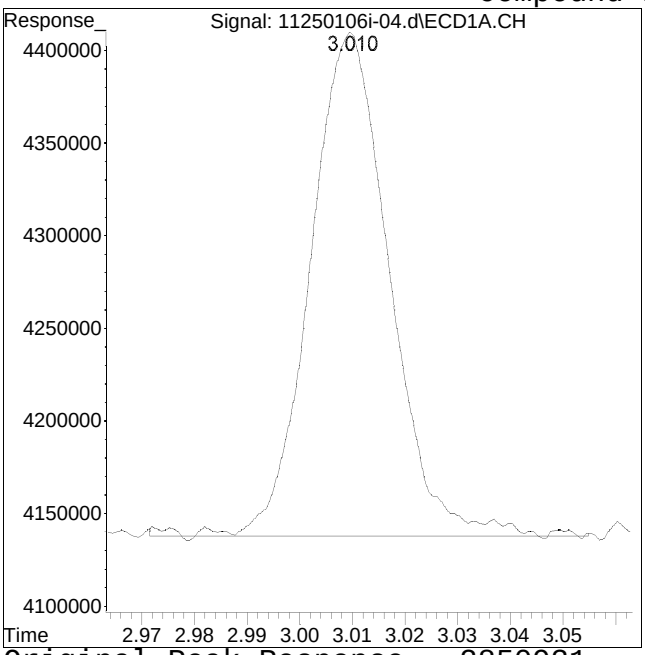


Original Peak Response = 10593855 Manual Peak Response = 10554405 M4
M4 = Poor automated baseline construction.

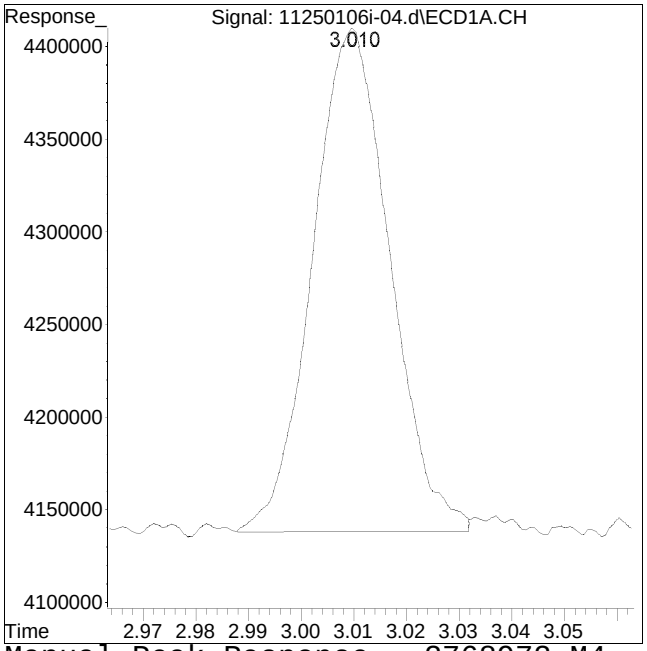
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-04.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:59 Instrument : Pest 11
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:26 pm

Compound #10: Alachlor



Original Peak Response = 2850931



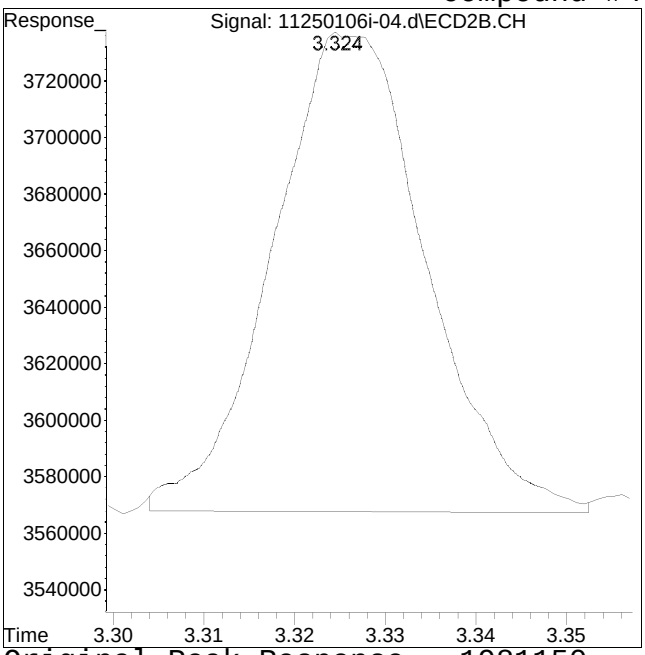
Manual Peak Response = 2768972 M4

M4 = Poor automated baseline construction.

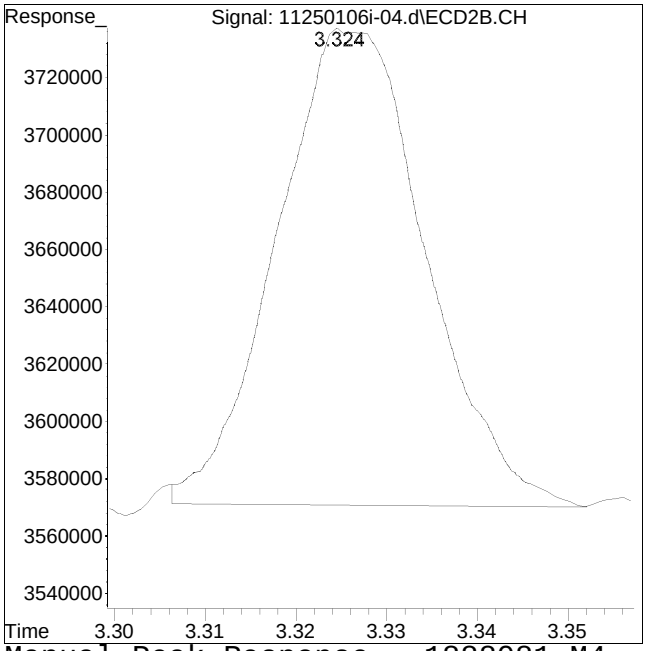
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-04.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:59 Instrument : Pest 11
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:26 pm

Compound #48: Alachlor #2



Original Peak Response = 1981150



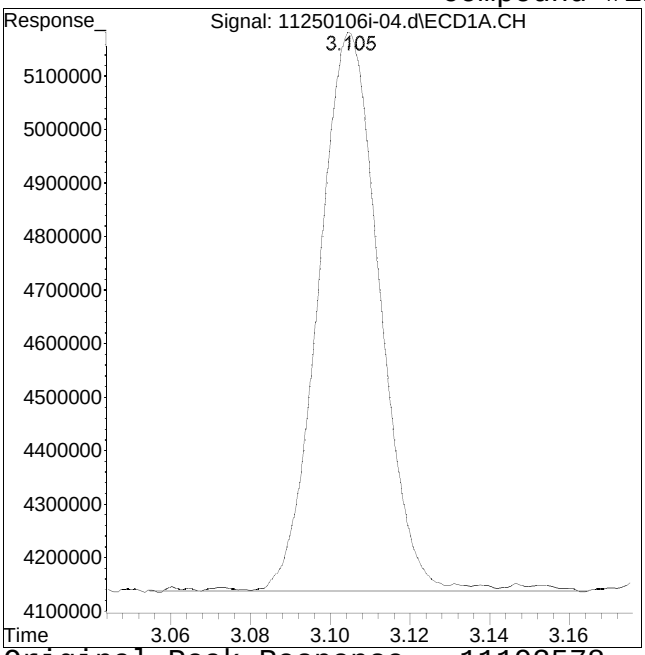
Manual Peak Response = 1888081 M4

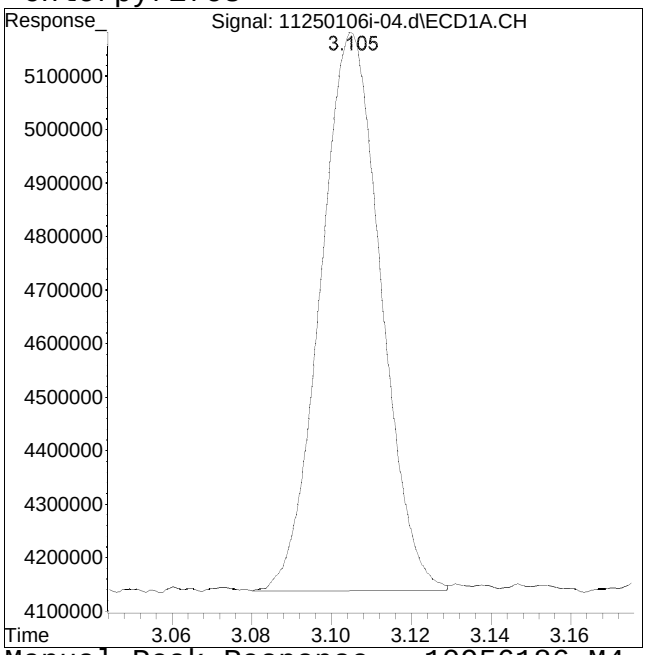
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-04.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:59 Instrument : Pest 11
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:26 pm

Compound #11: Chlorpyrifos





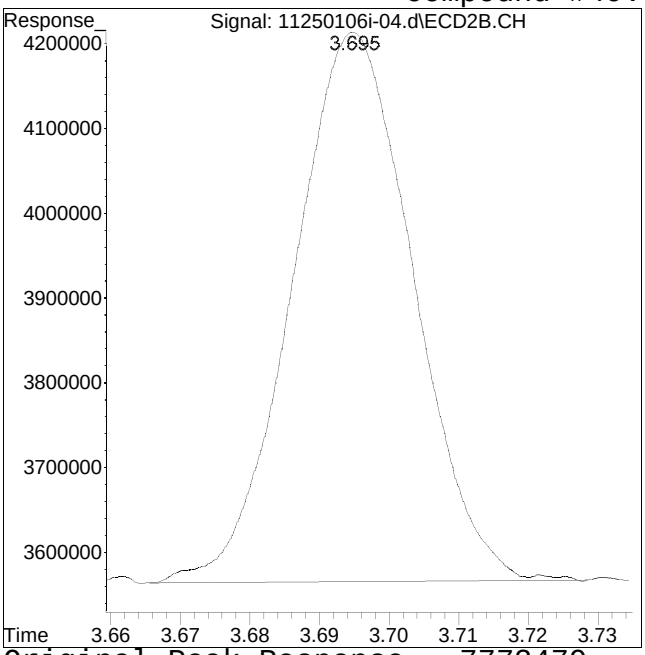
Original Peak Response = 11193578 Manual Peak Response = 10956186 M4
M4 = Poor automated baseline construction.

Manual Integration Report

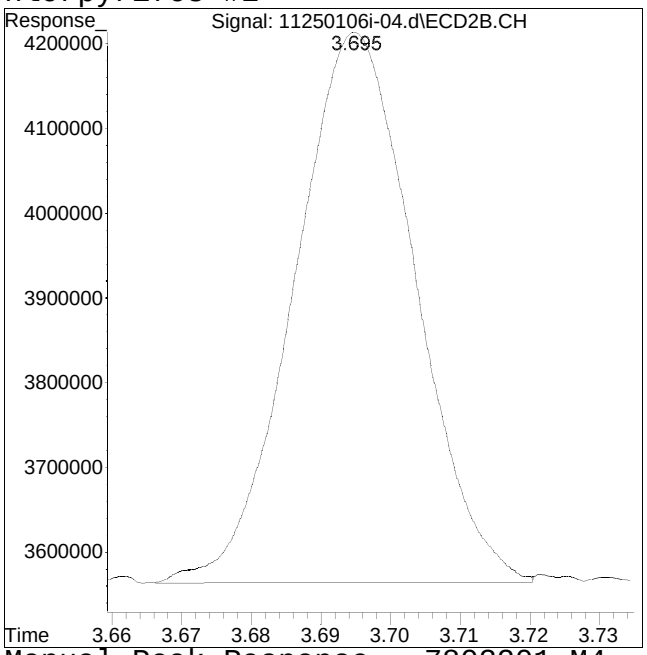
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-04.d
Date Inj'd : 1/6/2025 12:59
Sample : il2pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:26 pm

Compound #49: Chlorpyrifos #2



Original Peak Response = 7773479



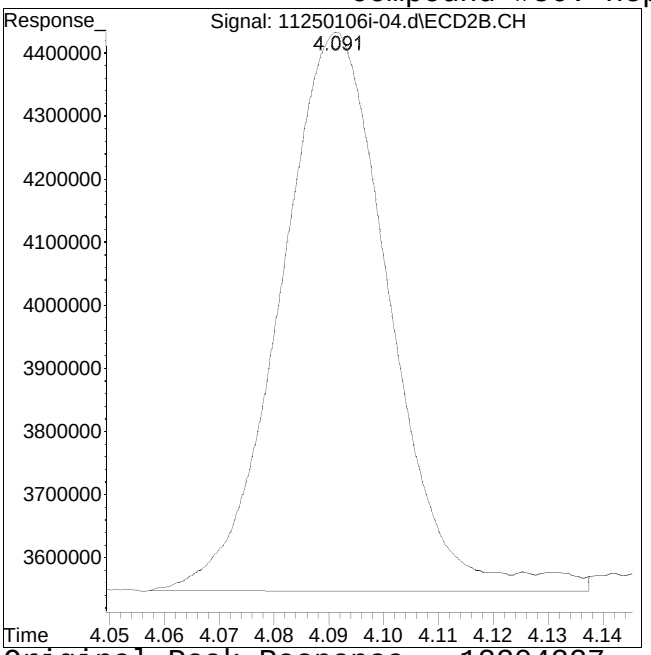
Manual Peak Response = 7803201 M4

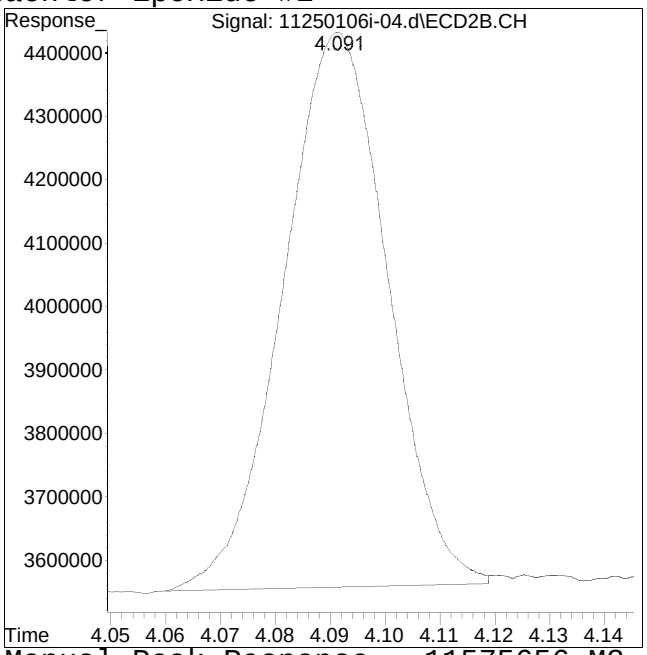
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-04.d
Date Inj'd : 1/6/2025 12:59
Sample : il2pest,42e,,pp 11941 L0.0
Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:26 pm

Compound #50: Heptachlor Epoxide #2





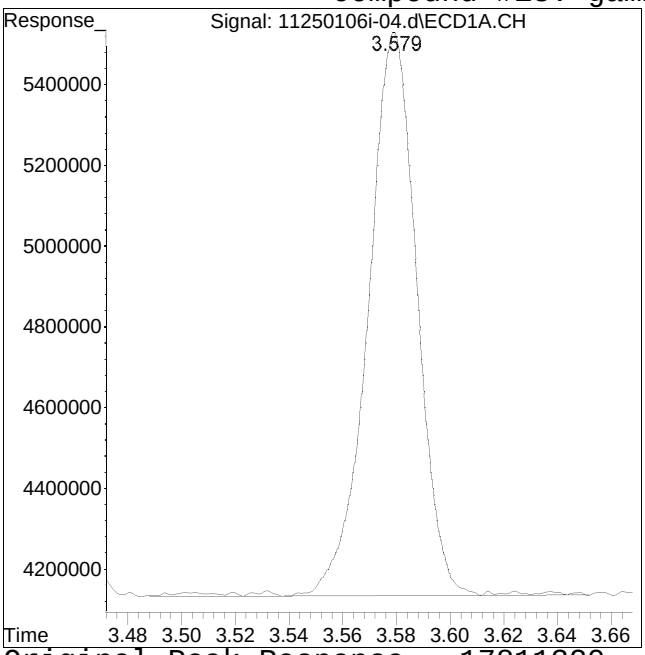
Original Peak Response = 12204227 Manual Peak Response = 11575656 M3

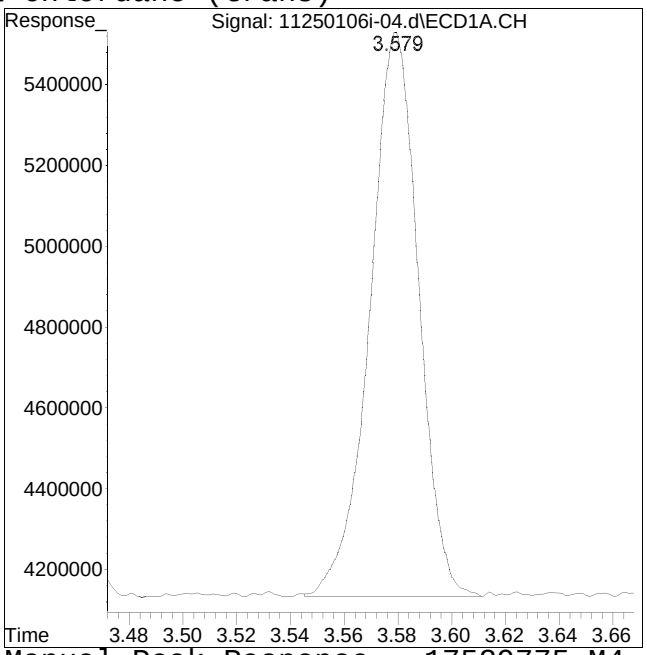
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-04.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:59 Instrument : Pest 11
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:26 pm

Compound #13: gamma-Chlordane (trans)





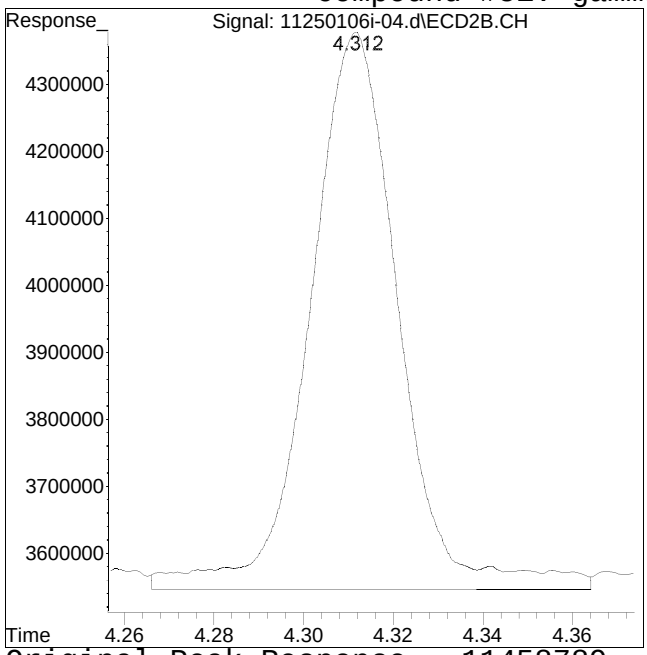
Original Peak Response = 17811320 Manual Peak Response = 17529775 M4
M4 = Poor automated baseline construction.

Manual Integration Report

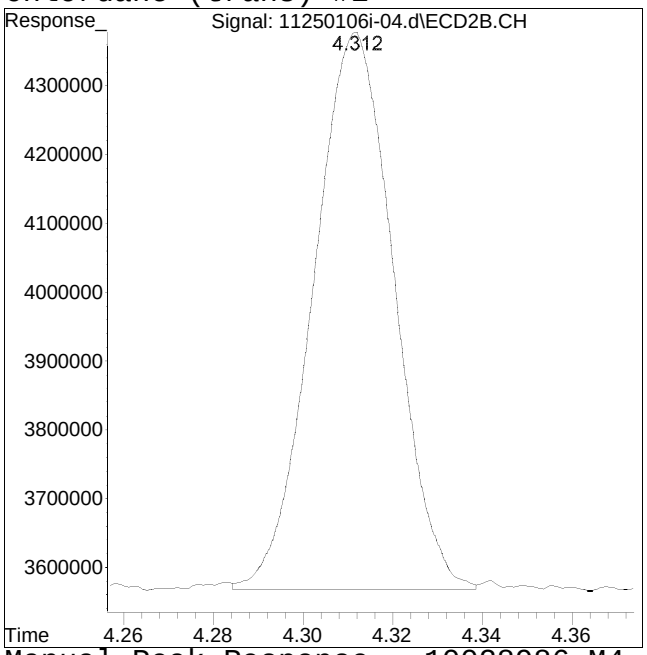
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-04.d
Date Inj'd : 1/6/2025 12:59
Sample : il2pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:26 pm

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 11458789



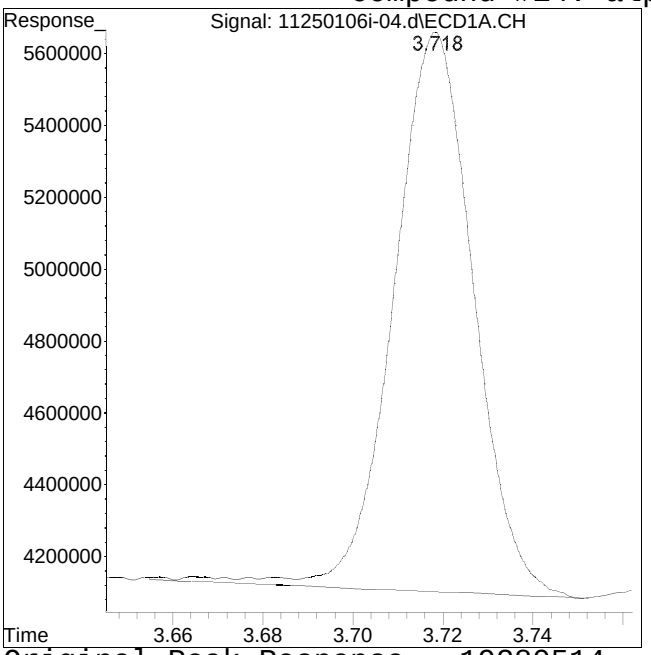
Manual Peak Response = 10028986 M4

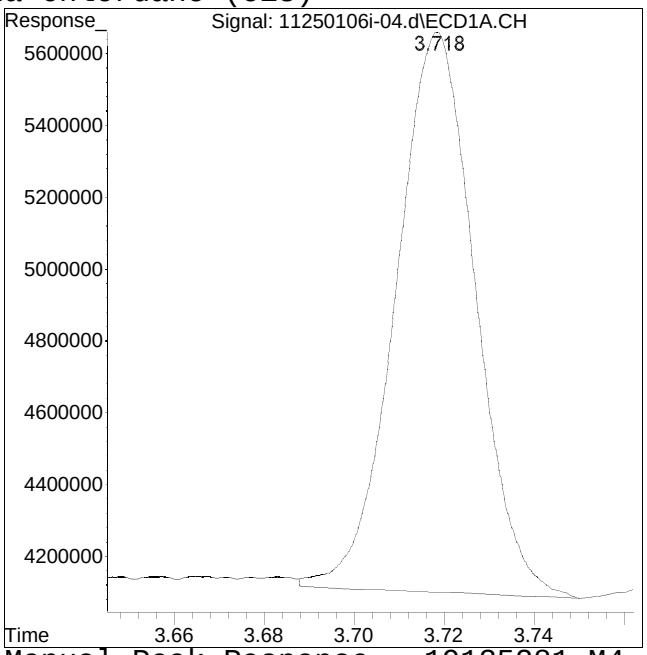
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-04.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:59 Instrument : Pest 11
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:26 pm

Compound #14: alpha-Chlordane (cis)





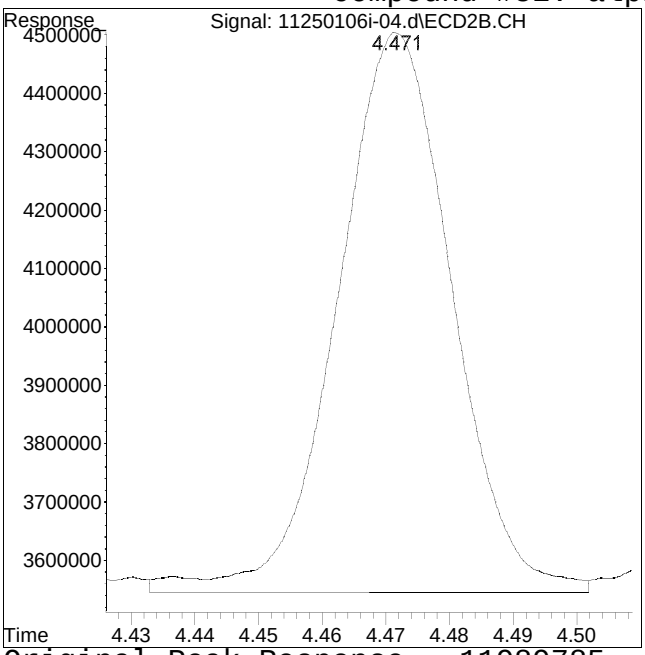
Original Peak Response = 19280514 Manual Peak Response = 19135281 M4
M4 = Poor automated baseline construction.

Manual Integration Report

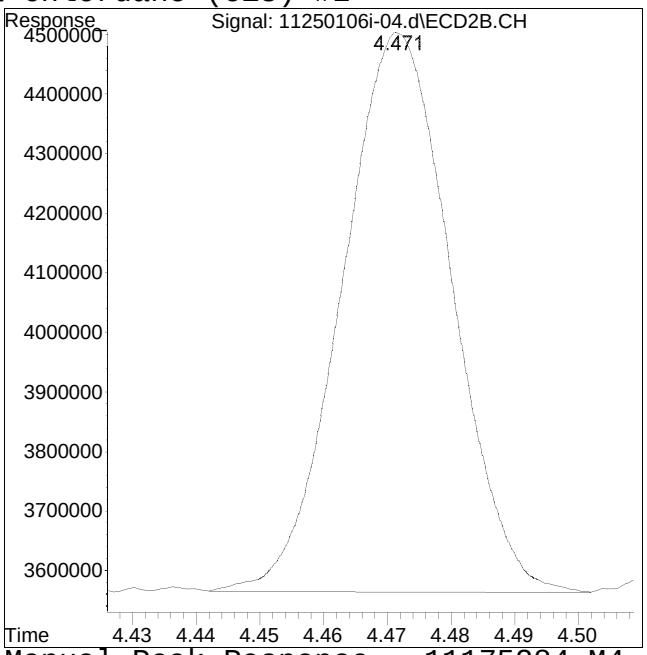
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-04.d
Date Inj'd : 1/6/2025 12:59
Sample : il2pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:26 pm

Compound #52: alpha-Chlordane (cis) #2



Original Peak Response = 11989785



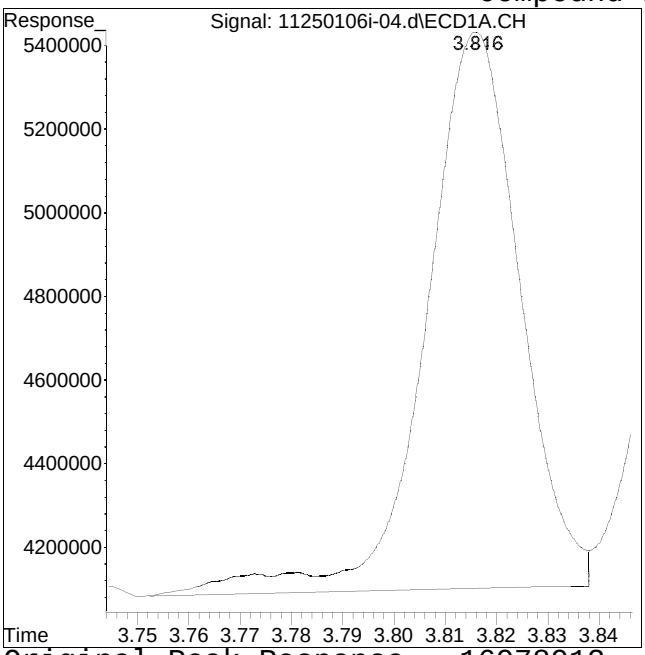
Manual Peak Response = 11175284 M4

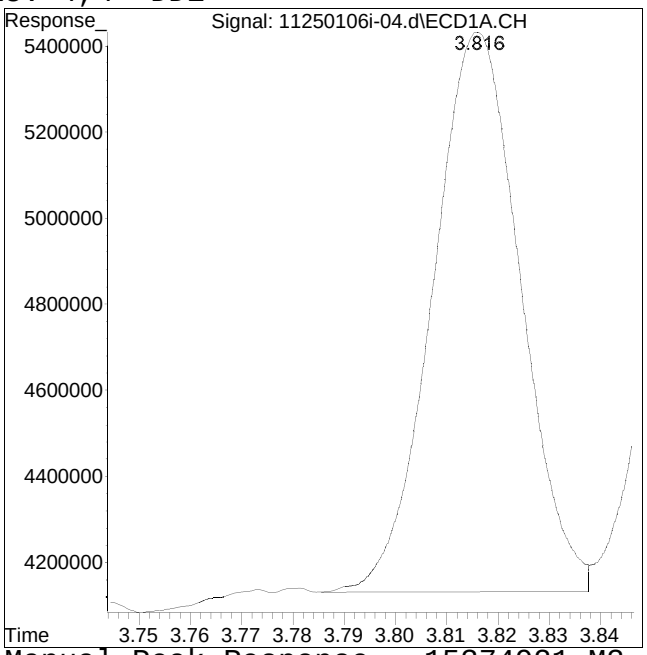
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-04.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:59 Instrument : Pest 11
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:26 pm

Compound #15: 4,4'-DDE



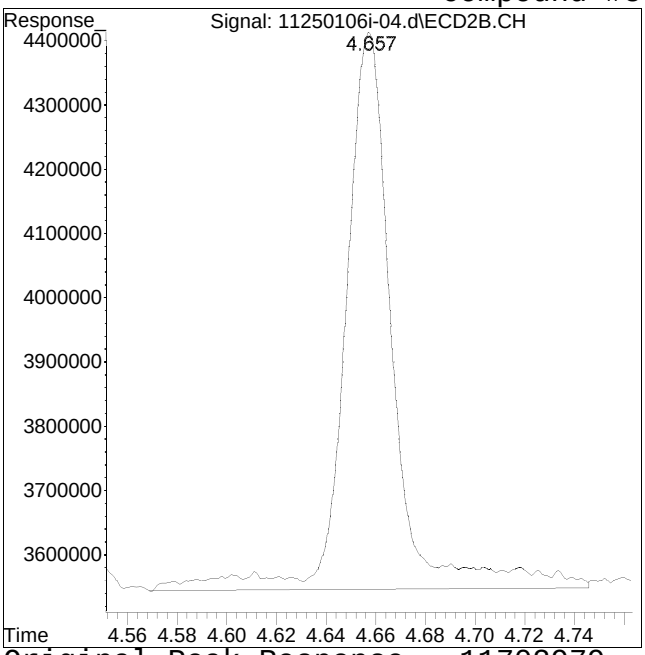


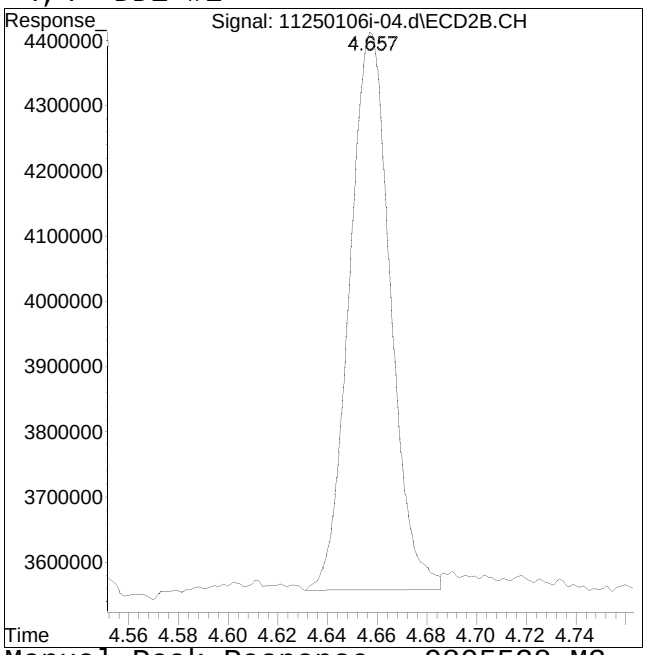
Original Peak Response = 16978912 Manual Peak Response = 15374921 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-04.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:59 Instrument : Pest 11
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:26 pm

Compound #53: 4,4'-DDE #2





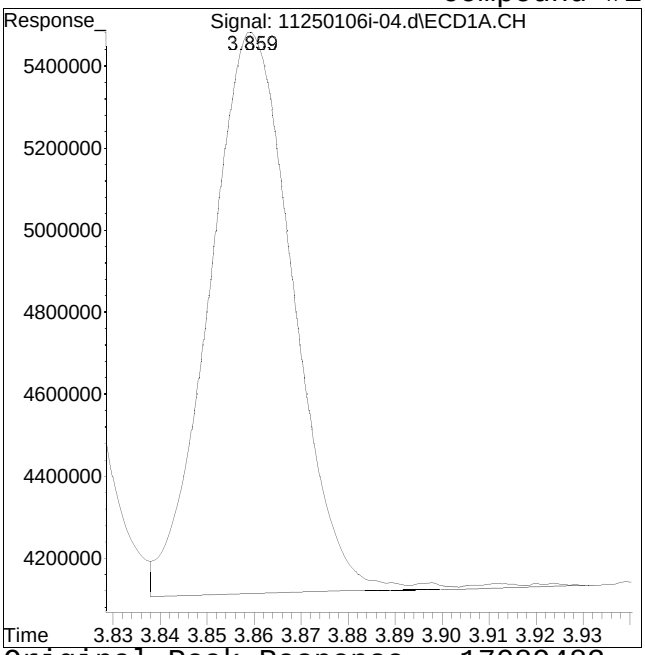
Original Peak Response = 11702979 Manual Peak Response = 9805538 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

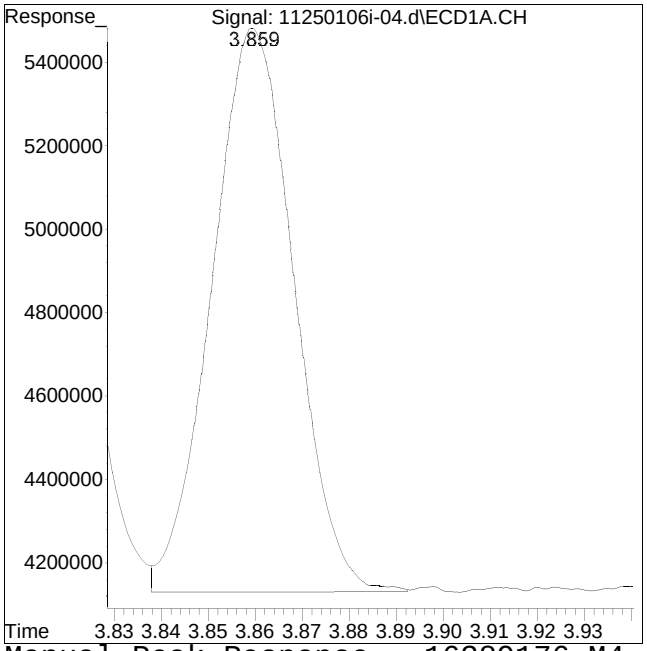
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-04.d
Date Inj'd : 1/6/2025 12:59
Sample : il2pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:26 pm

Compound #16: Endosulfan I



Original Peak Response = 17089483



Manual Peak Response = 16389176 M4

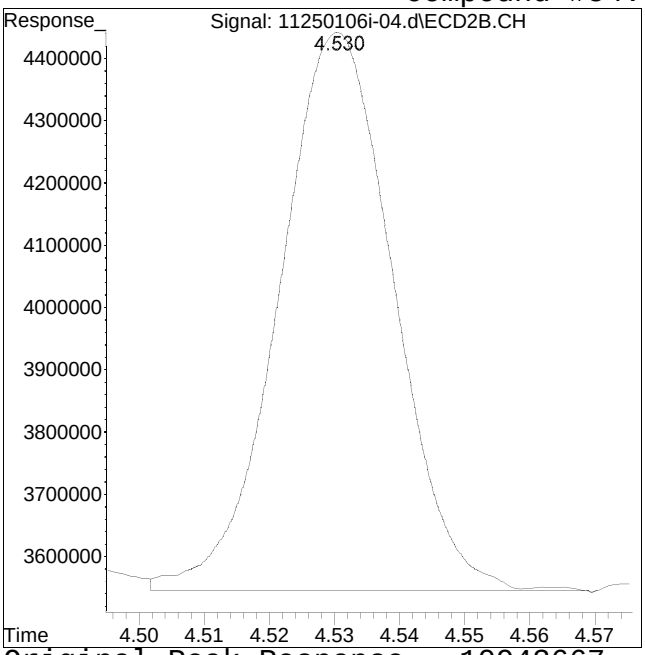
M4 = Poor automated baseline construction.

Manual Integration Report

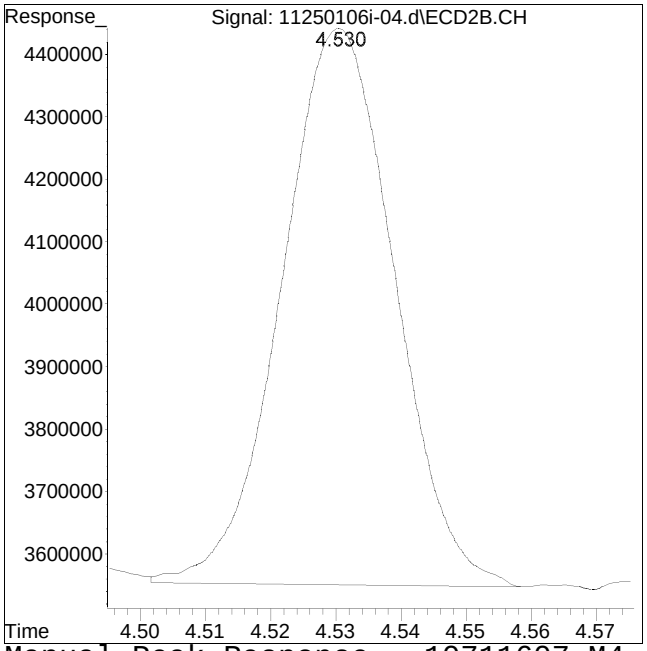
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-04.d
Date Inj'd : 1/6/2025 12:59
Sample : il2pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:26 pm

Compound #54: Endosulfan I #2



Original Peak Response = 10943667



Manual Peak Response = 10711607 M4

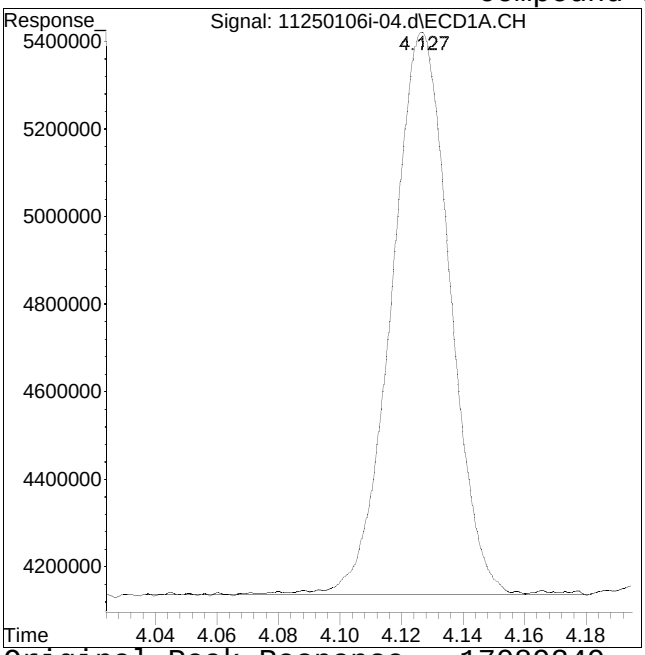
M4 = Poor automated baseline construction.

Manual Integration Report

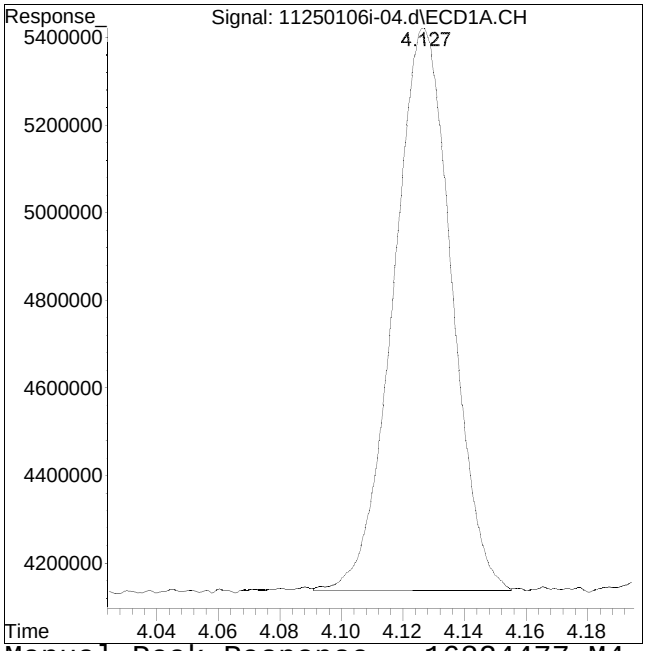
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-04.d
Date Inj'd : 1/6/2025 12:59
Sample : il2pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:26 pm

Compound #17: Dieldrin



Original Peak Response = 17089249



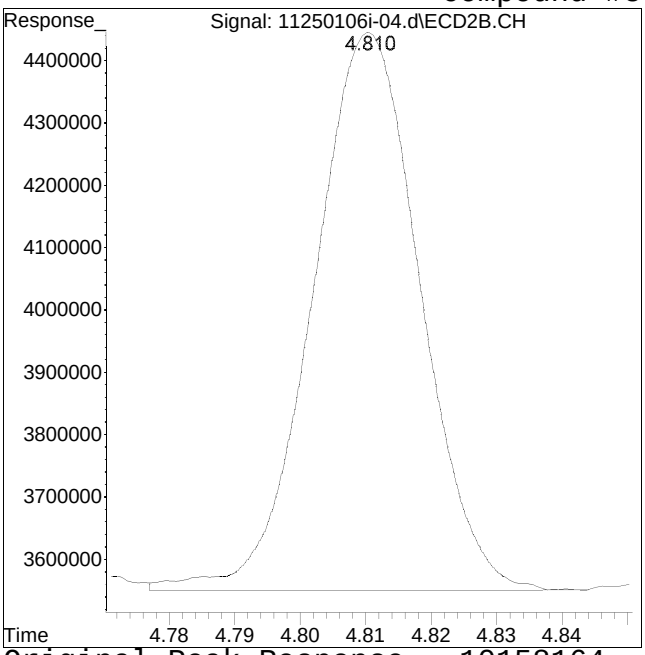
Manual Peak Response = 16824477 M4

M4 = Poor automated baseline construction.

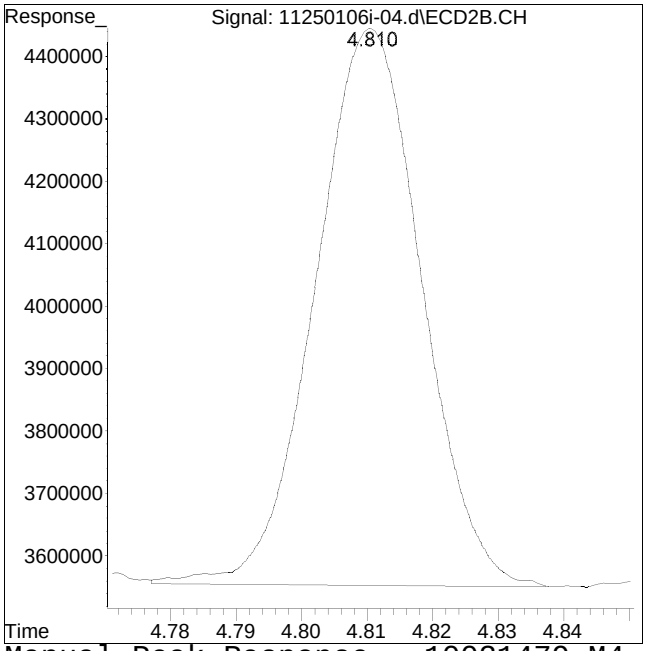
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-04.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:59 Instrument : Pest 11
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:26 pm

Compound #55: Dieldrin #2



Original Peak Response = 10158164



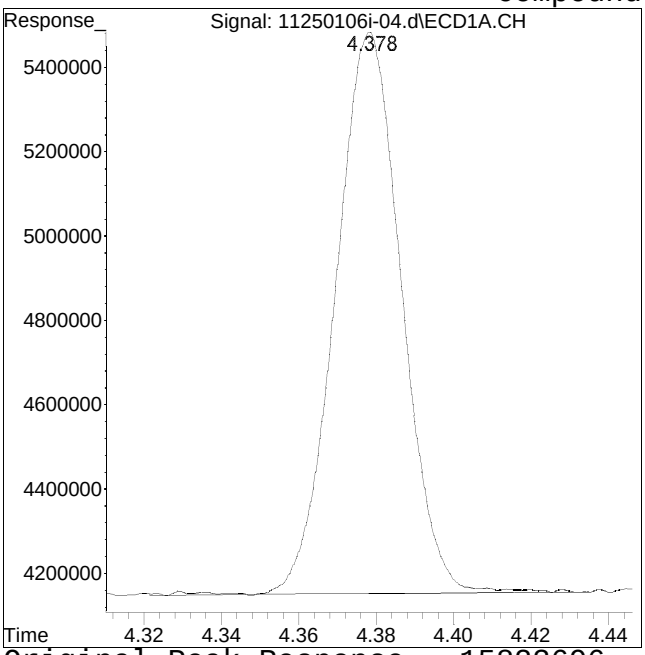
Manual Peak Response = 10031479 M4

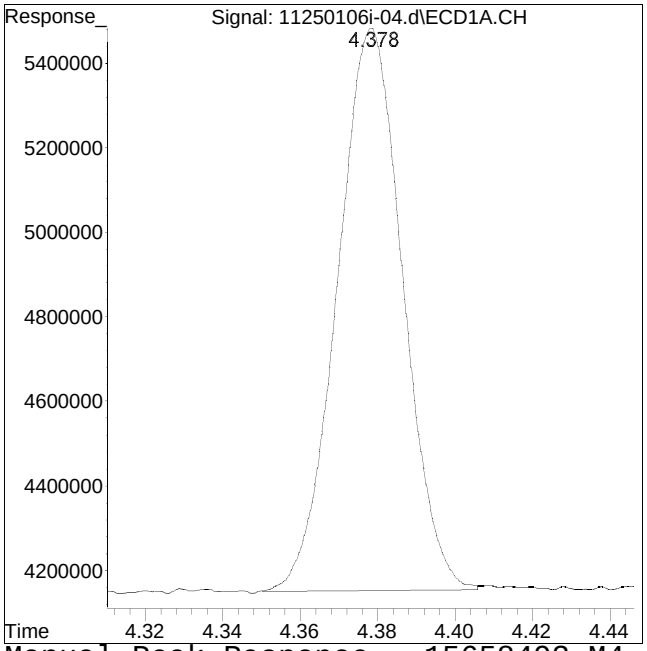
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-04.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:59 Instrument : Pest 11
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:26 pm

Compound #18: Endrin





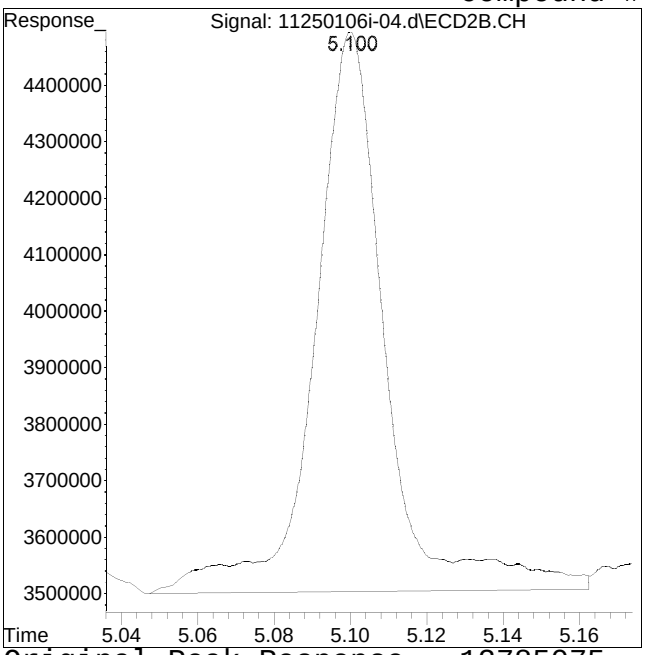
Original Peak Response = 15823696 Manual Peak Response = 15658493 M4
M4 = Poor automated baseline construction.

Manual Integration Report

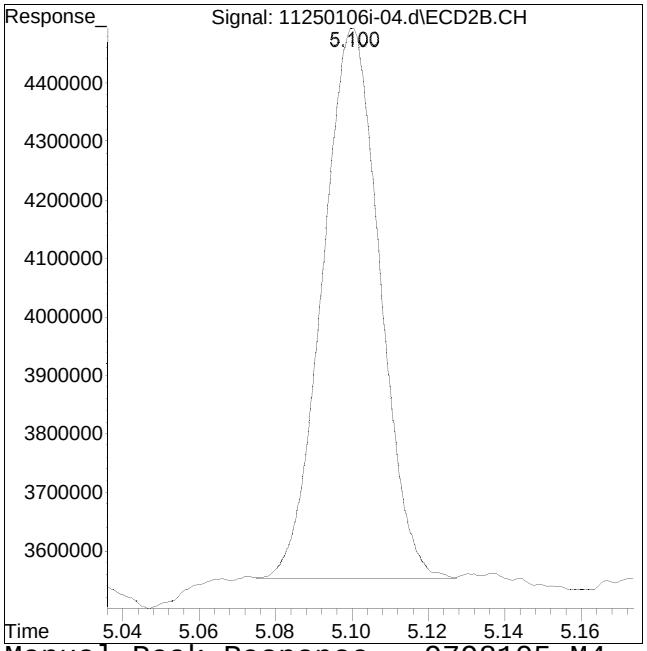
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-04.d
Date Inj'd : 1/6/2025 12:59
Sample : il2pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:26 pm

Compound #56: Endrin #2



Original Peak Response = 12785075



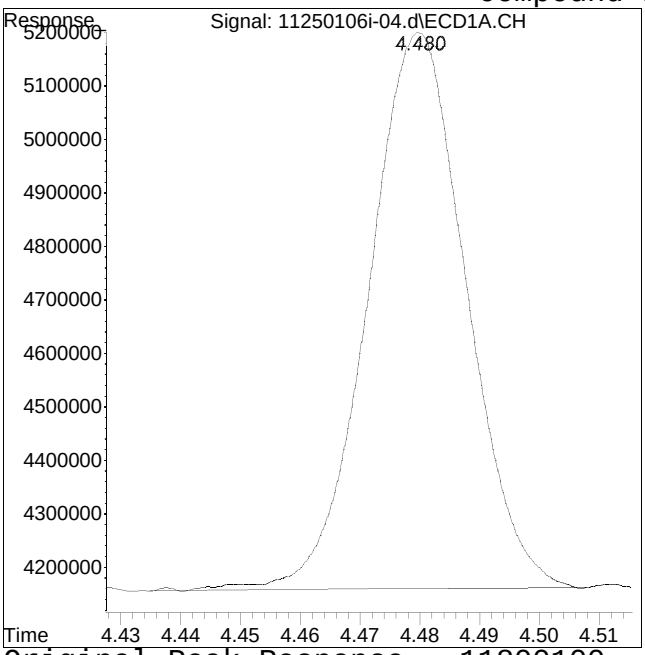
Manual Peak Response = 9798105 M4

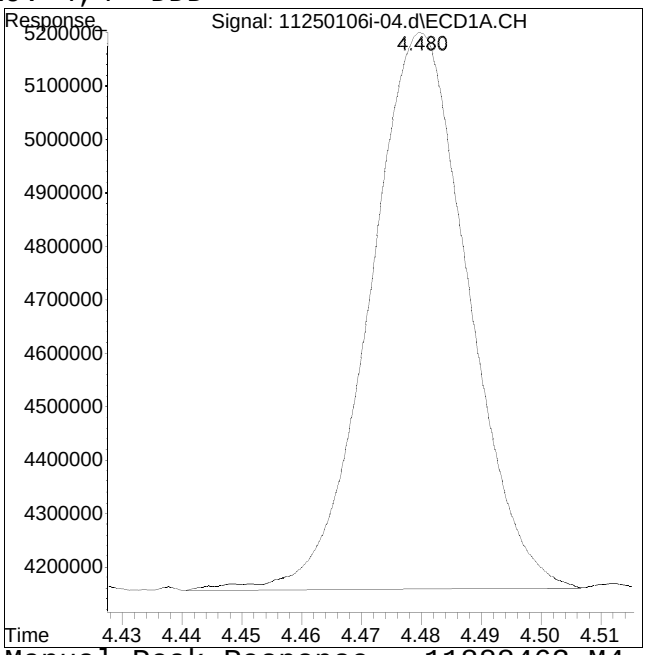
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-04.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:59 Instrument : Pest 11
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:26 pm

Compound #19: 4,4'-DDD



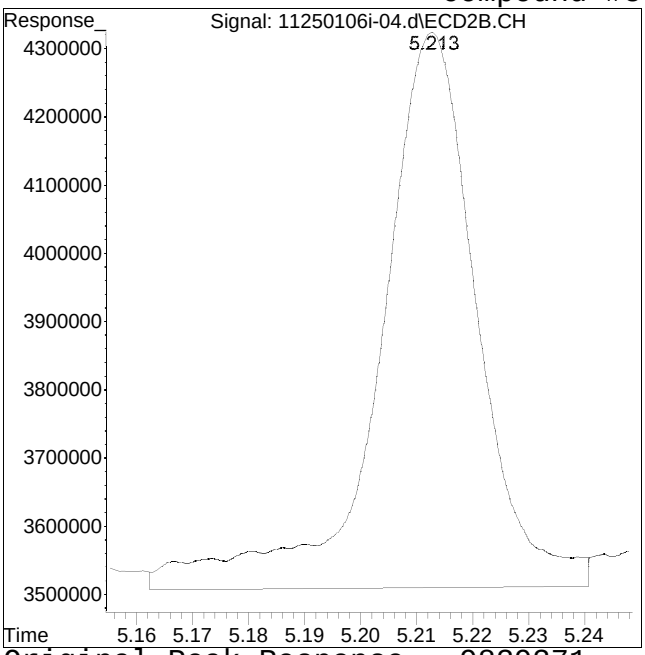


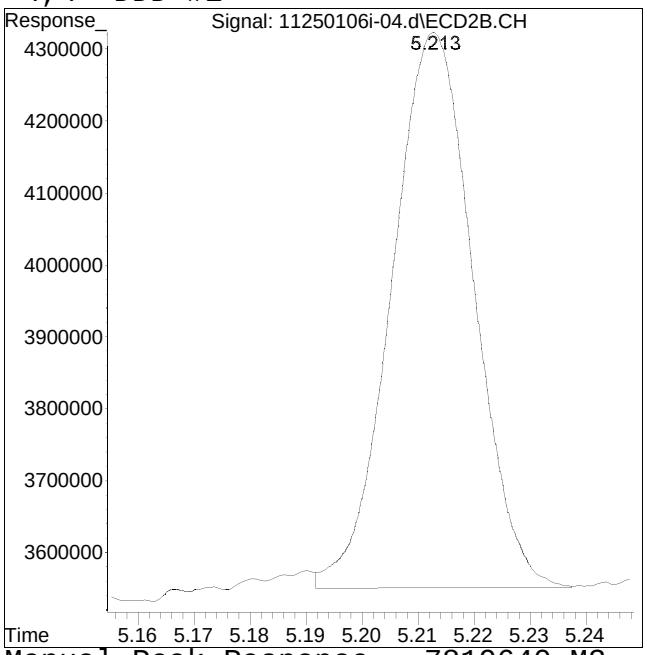
Original Peak Response = 11800100 Manual Peak Response = 11888463 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-04.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:59 Instrument : Pest 11
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:26 pm

Compound #57: 4,4'-DDD #2



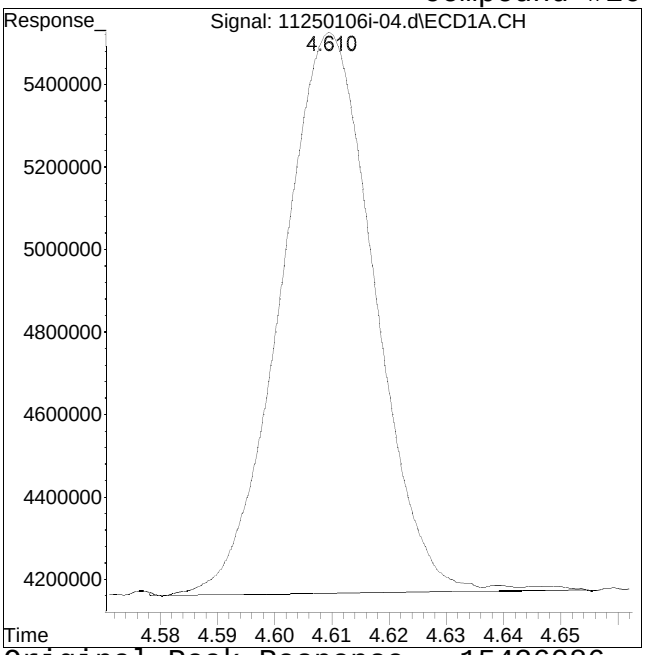


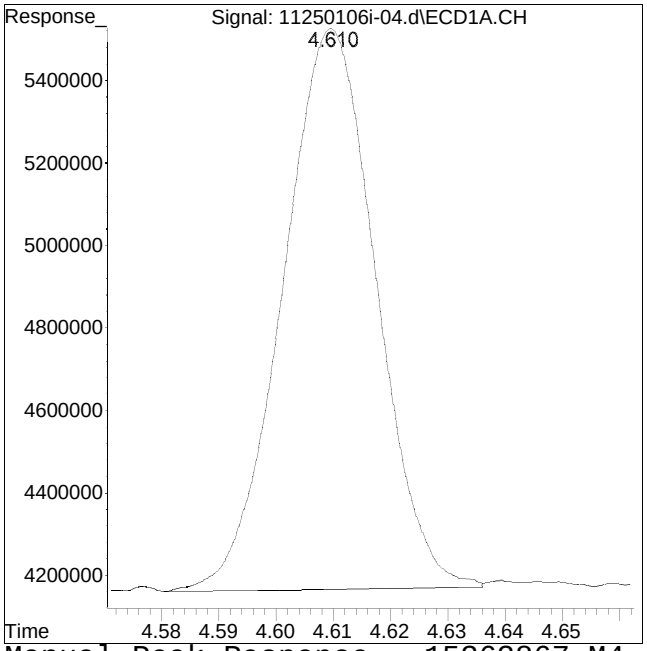
Original Peak Response = 9839371 Manual Peak Response = 7819640 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-04.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:59 Instrument : Pest 11
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:26 pm

Compound #20: Endosulfan II



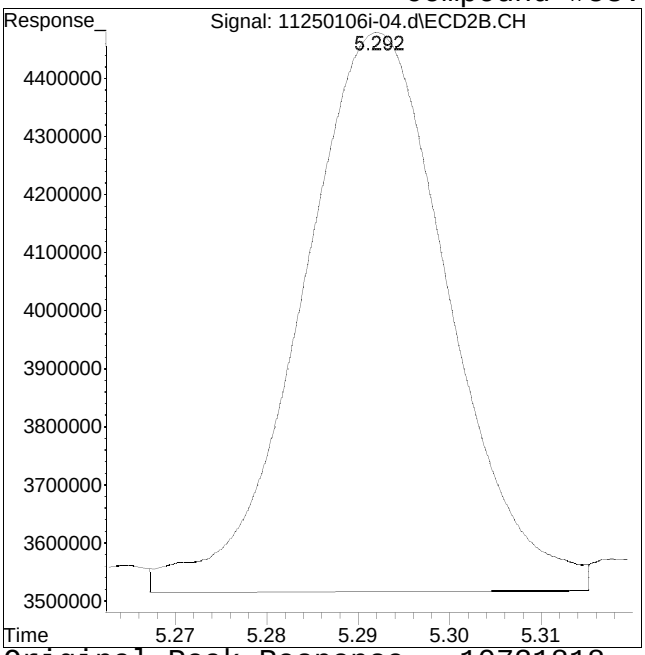


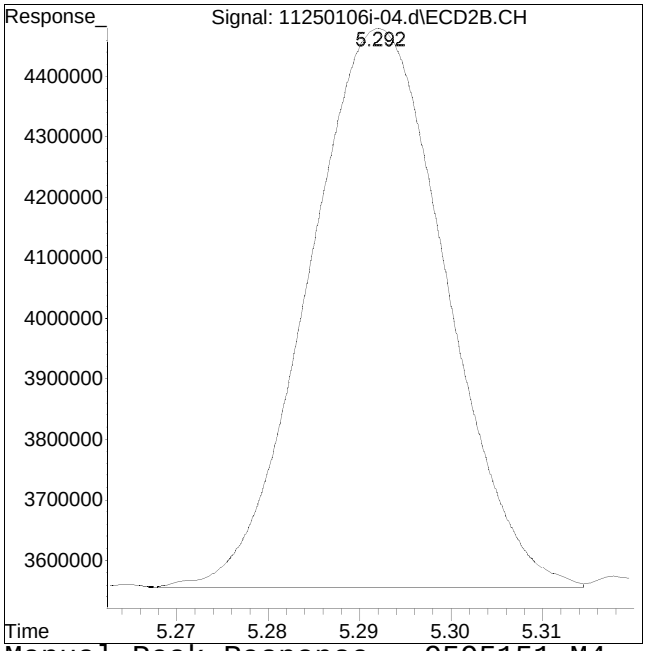
Original Peak Response = 15426086 Manual Peak Response = 15363867 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-04.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:59 Instrument : Pest 11
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:26 pm

Compound #58: Endosulfan II #2



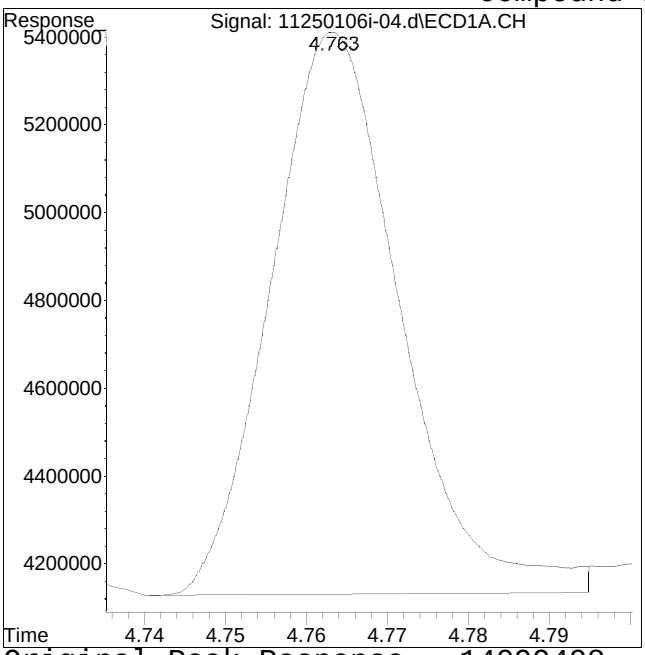


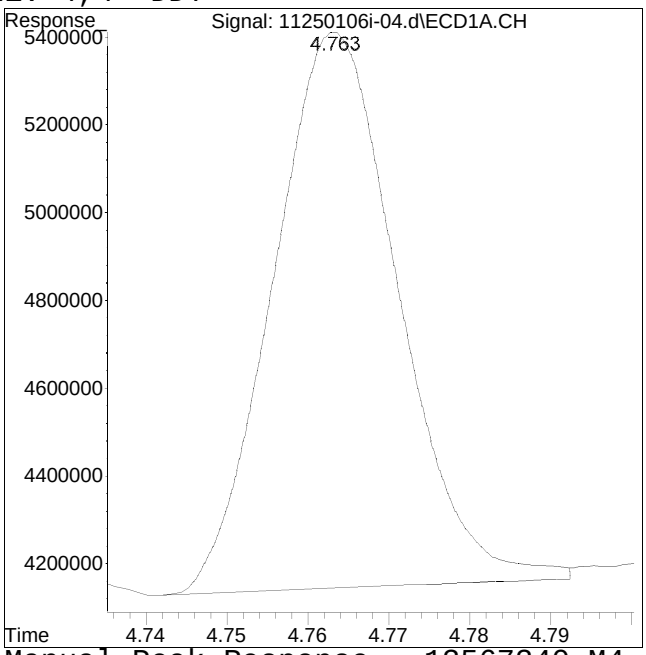
Original Peak Response = 10731818 Manual Peak Response = 9595151 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-04.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:59 Instrument : Pest 11
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:26 pm

Compound #21: 4,4'-DDT





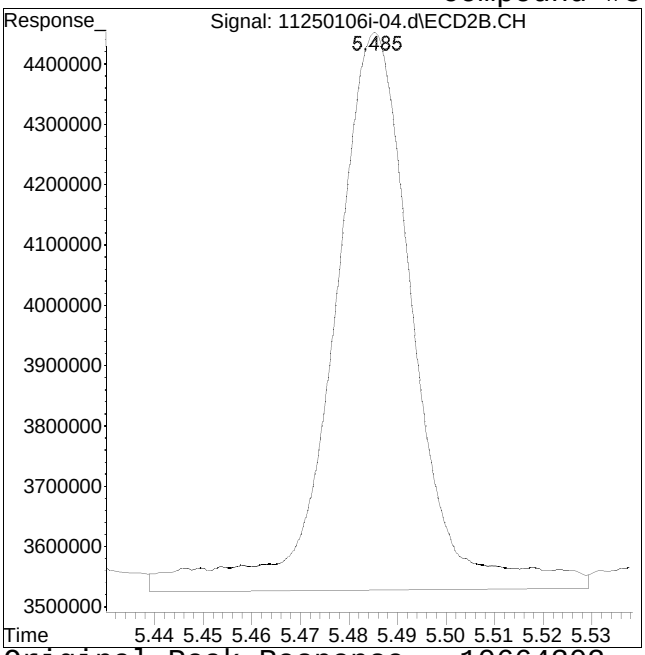
Original Peak Response = 14099498 Manual Peak Response = 13567340 M4
M4 = Poor automated baseline construction.

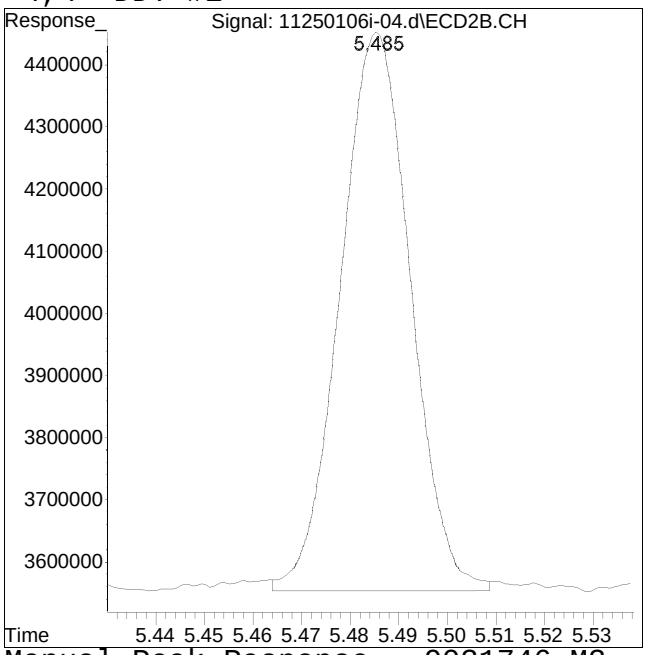
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-04.d
Date Inj'd : 1/6/2025 12:59
Sample : il2pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:26 pm

Compound #59: 4,4'-DDT #2





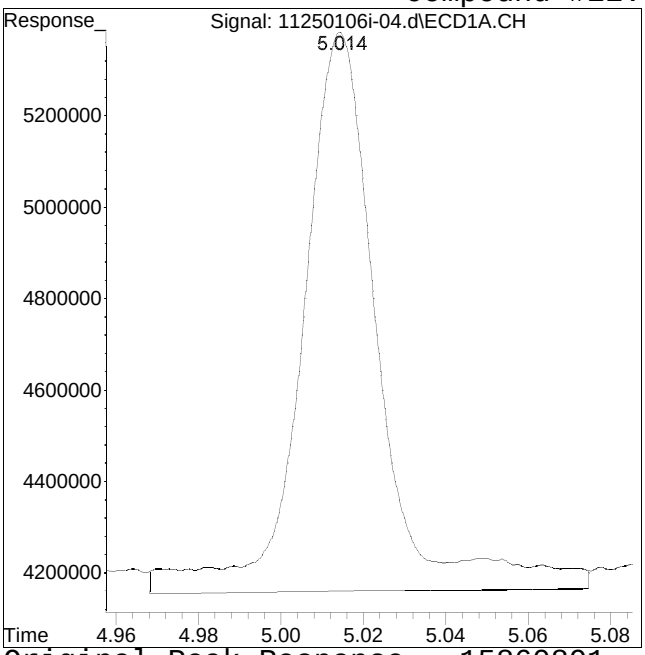
Original Peak Response = 10664302 Manual Peak Response = 9031746 M3

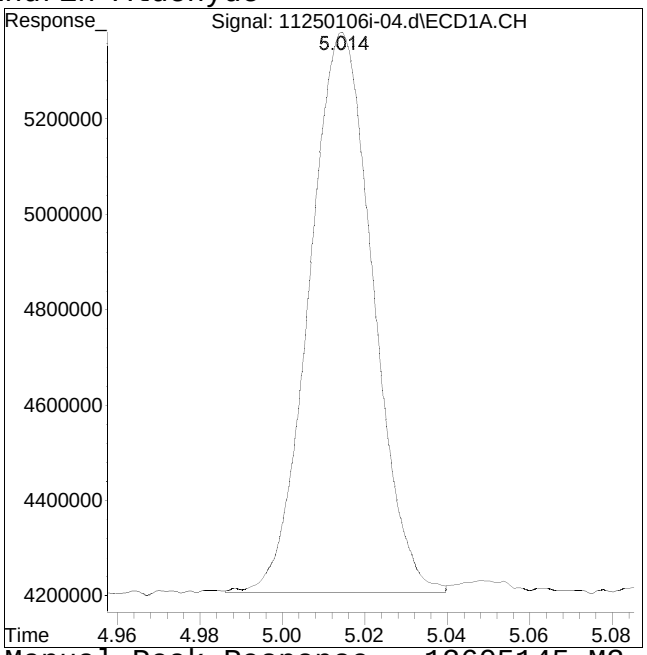
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-04.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:59 Instrument : Pest 11
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:26 pm

Compound #22: Endrin Aldehyde



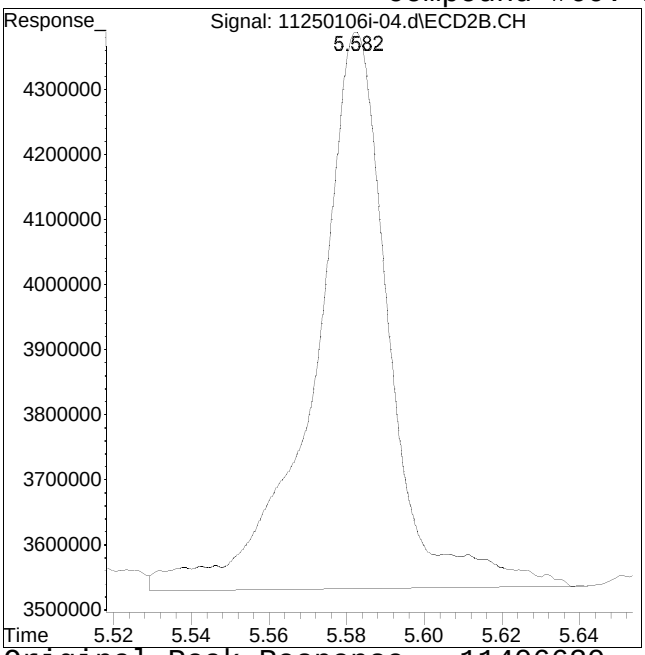


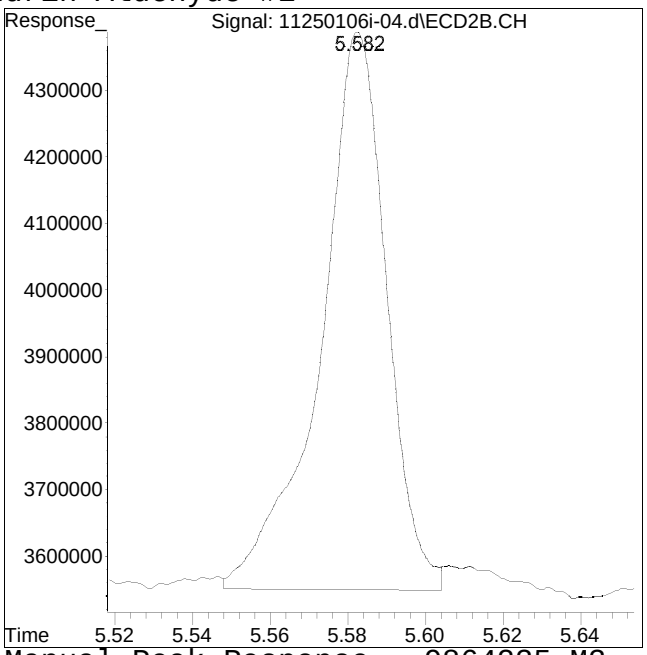
Original Peak Response = 15860891 Manual Peak Response = 12605145 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-04.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:59 Instrument : Pest 11
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:26 pm

Compound #60: Endrin Aldehyde #2



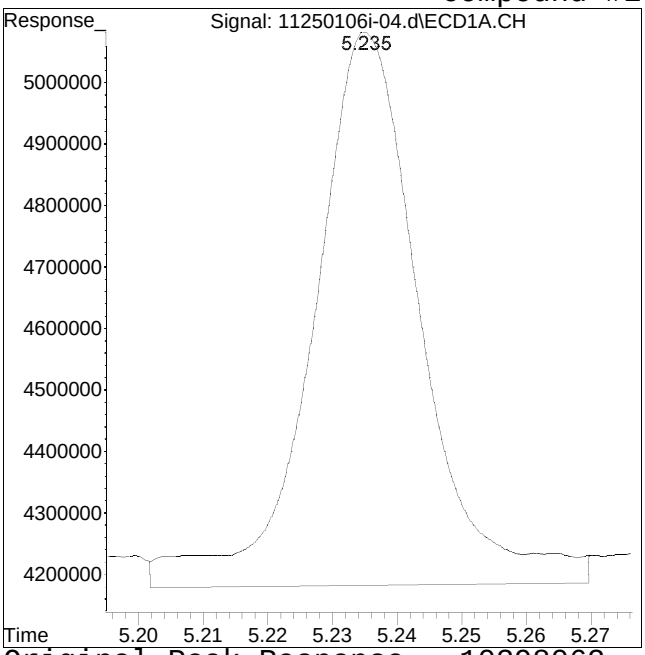


Original Peak Response = 11406630 Manual Peak Response = 9864235 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

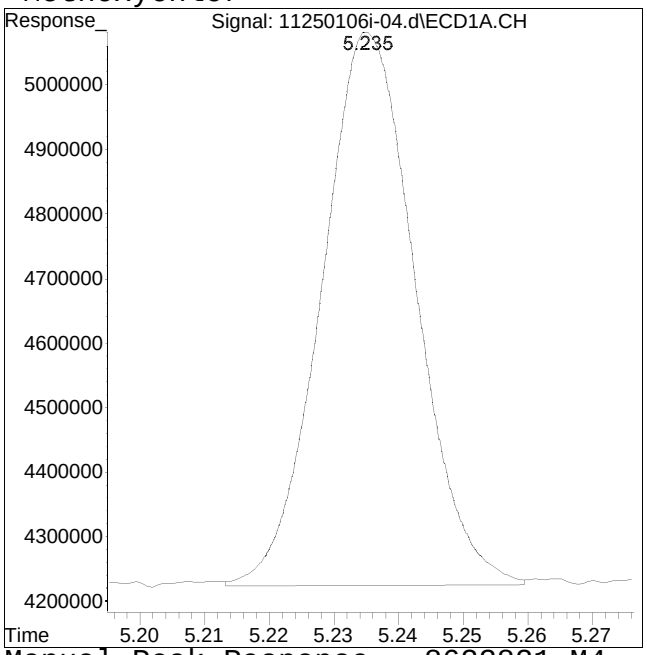
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-04.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:59 Instrument : Pest 11
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:26 pm

Compound #23: Methoxychlor



Original Peak Response = 10398062



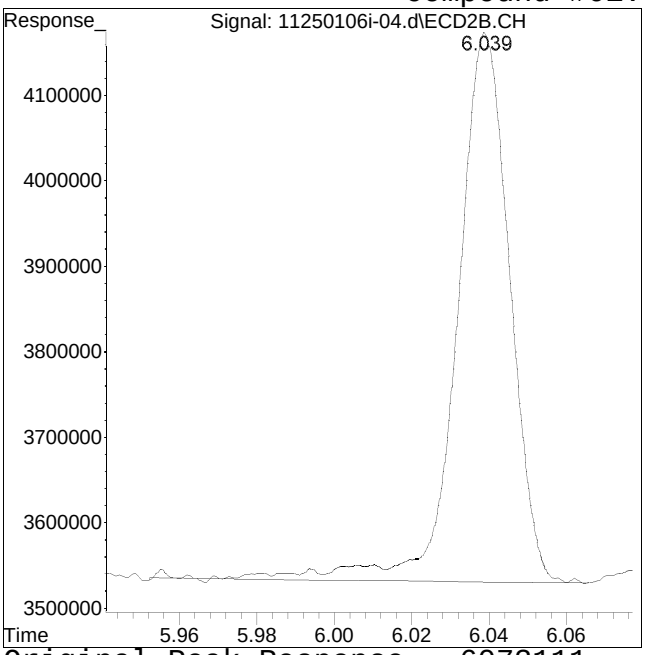
Manual Peak Response = 8623821 M4

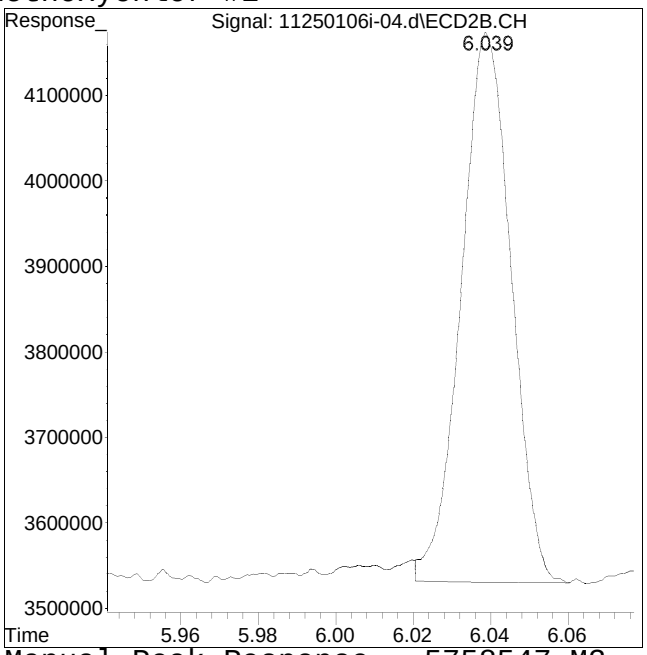
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-04.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:59 Instrument : Pest 11
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:26 pm

Compound #61: Methoxychlor #2



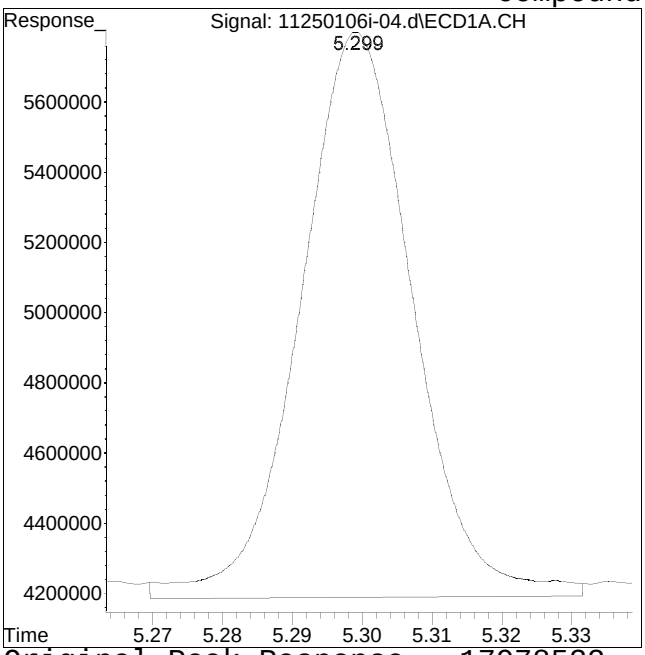


Original Peak Response = 6073111 Manual Peak Response = 5758547 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

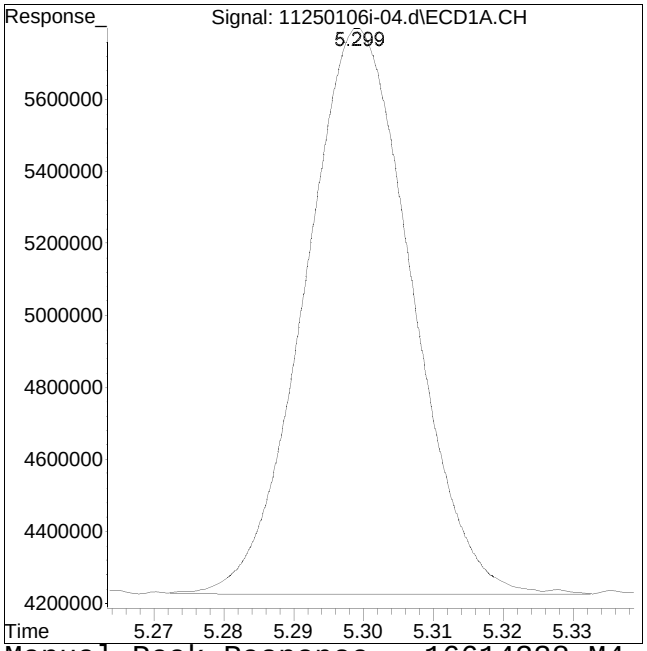
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-04.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:59 Instrument : Pest 11
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:26 pm

Compound #24: Mirex



Original Peak Response = 17978532



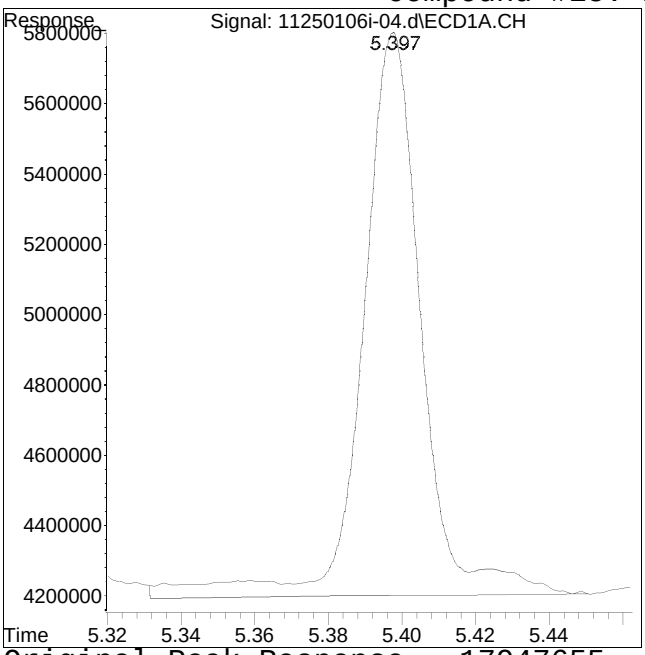
Manual Peak Response = 16614338 M4

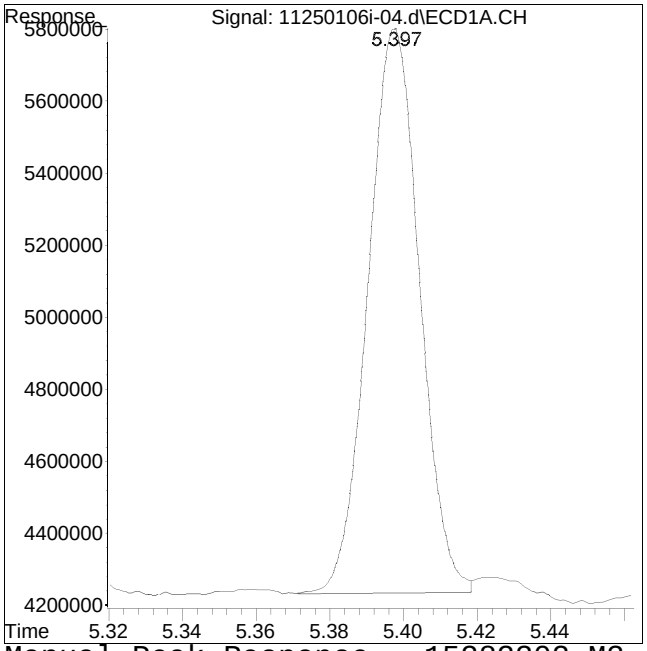
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-04.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:59 Instrument : Pest 11
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:26 pm

Compound #25: Endosulfan Sulfate



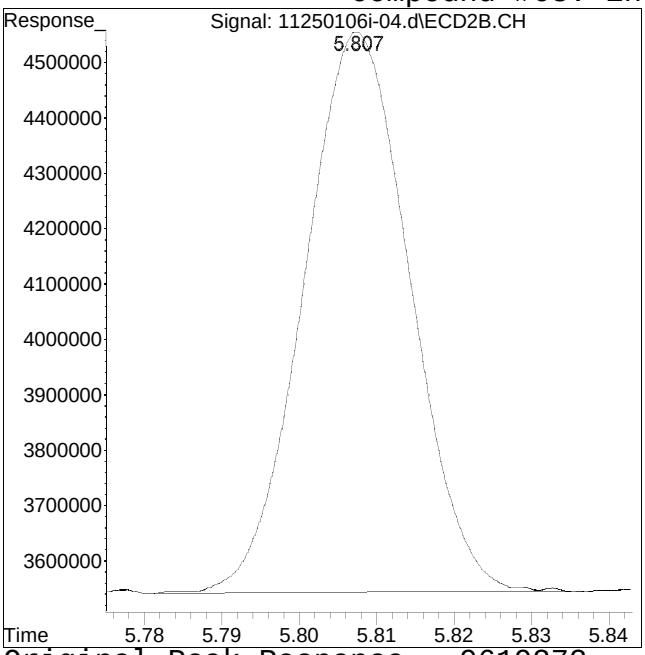


Original Peak Response = 17947655 Manual Peak Response = 15283302 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

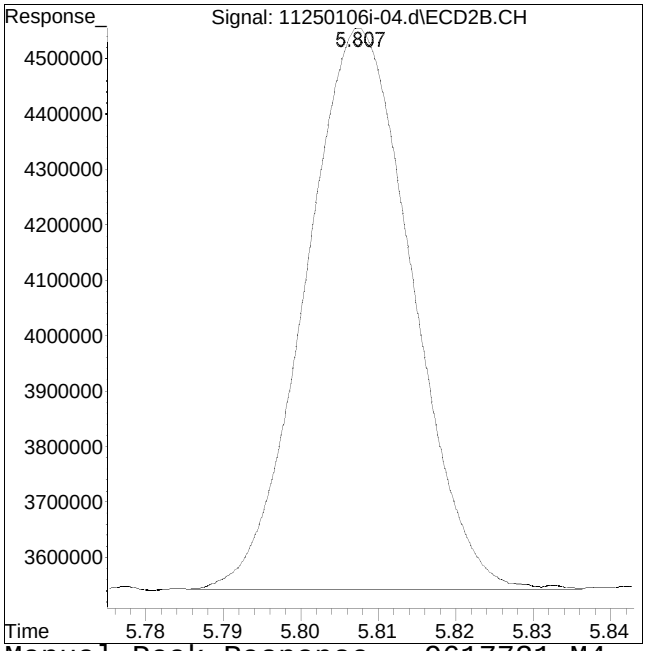
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-04.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:59 Instrument : Pest 11
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:26 pm

Compound #63: Endosulfan Sulfate #2



Original Peak Response = 9619272



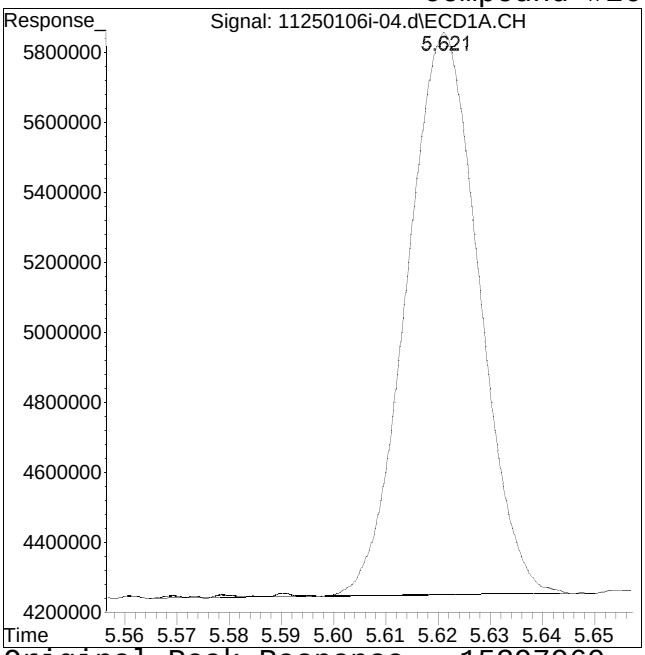
Manual Peak Response = 9617731 M4

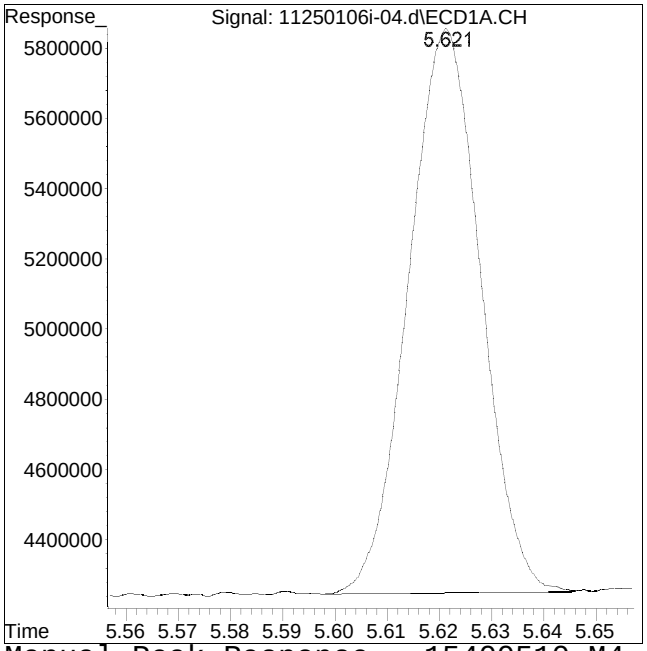
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-04.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:59 Instrument : Pest 11
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:26 pm

Compound #26: Endrin Ketone



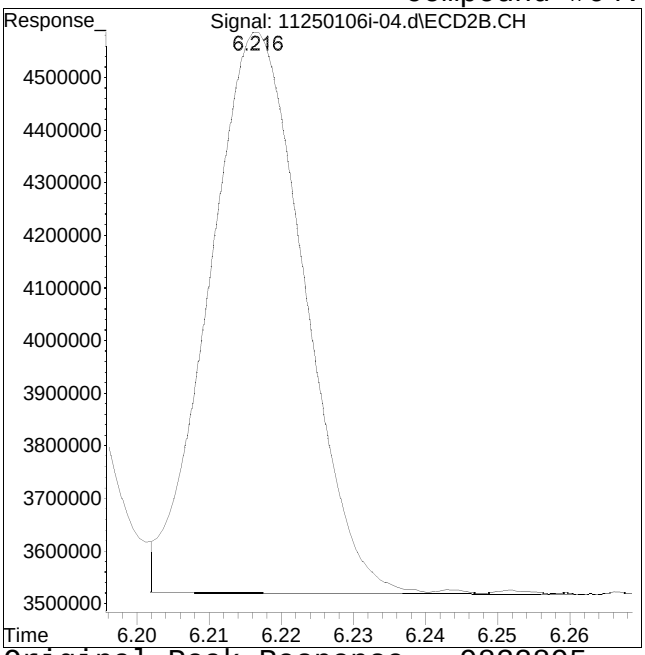


Original Peak Response = 15397960 Manual Peak Response = 15400510 M4
M4 = Poor automated baseline construction.

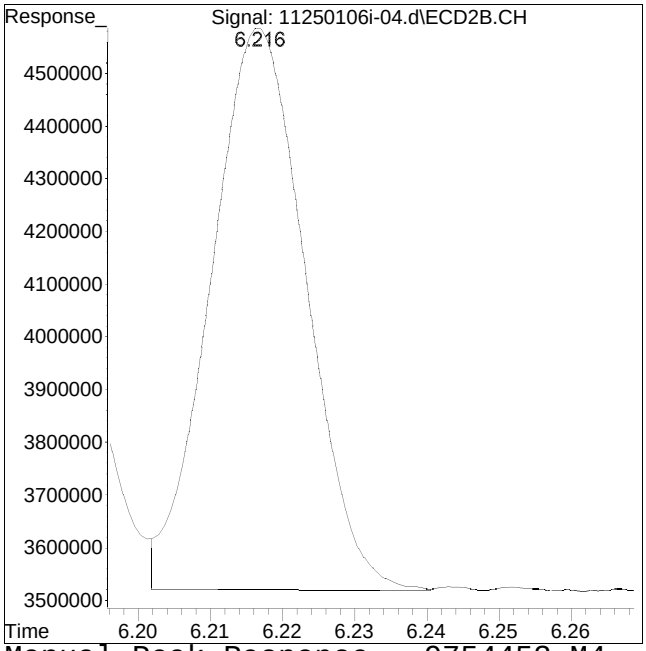
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-04.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:59 Instrument : Pest 11
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:26 pm

Compound #64: Endrin Ketone #2



Original Peak Response = 9832895



Manual Peak Response = 9754453 M4

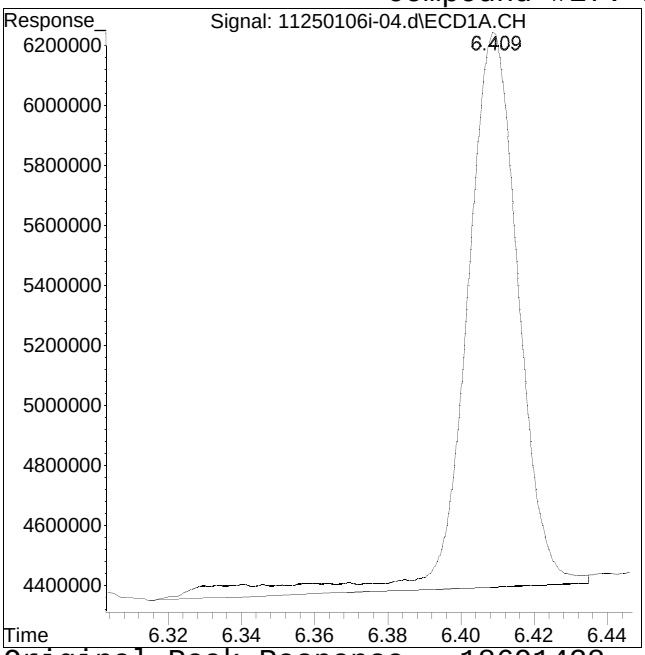
M4 = Poor automated baseline construction.

Manual Integration Report

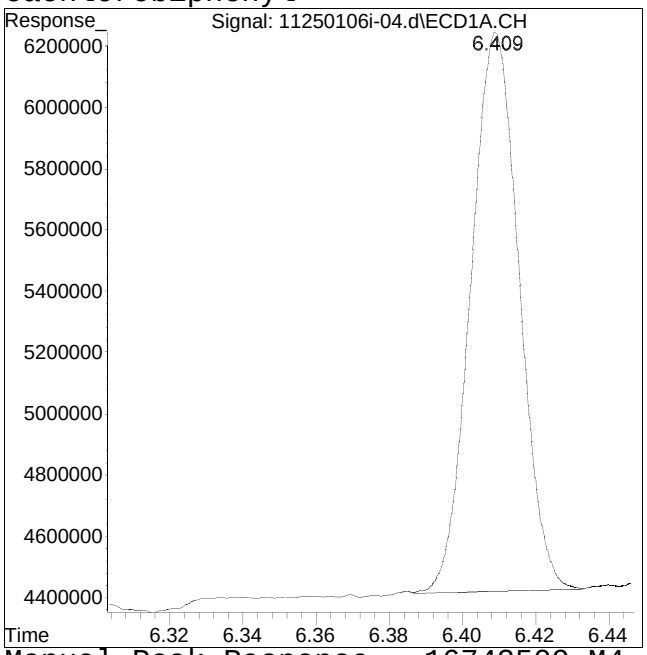
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-04.d
Date Inj'd : 1/6/2025 12:59
Sample : il2pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:26 pm

Compound #27: Decachlorobiphenyl



Original Peak Response = 18691438



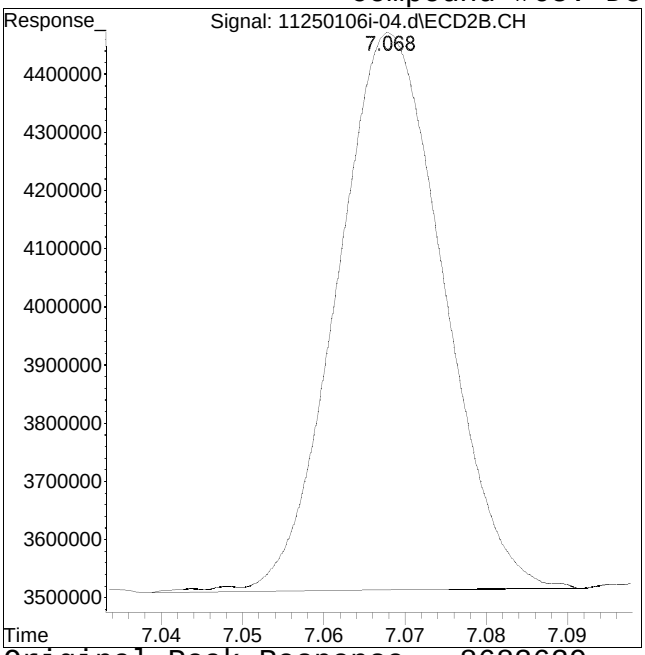
Manual Peak Response = 16742509 M4

M4 = Poor automated baseline construction.

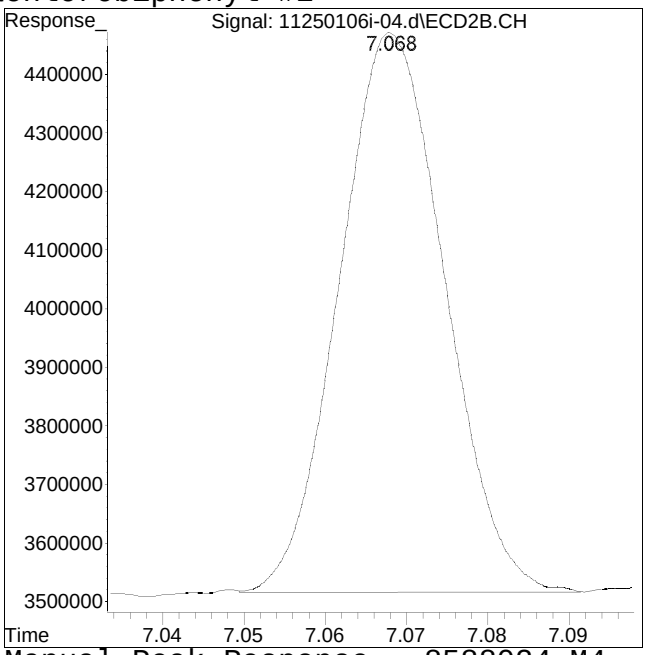
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-04.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 12:59 Instrument : Pest 11
Sample : il2pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:26 pm

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 8683629



Manual Peak Response = 8588024 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 13:11
Operator : PEST11:akm
Sample : il3pest,42e,,pp 11941 L0.002
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:19:46 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:19:39 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
		Internal Standards						
1)	i	1-br-2-nb_Pe	1.376	1.457	326.0E6	195.4E6	25.000M4	25.000M4
28)	i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33)	i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
		System Monitoring Compounds						
2)	s	2,4,5,6-Tetr	1.732	1.959	30831886	16507126	1.960M4	2.056M4
		Spiked Amount 50.000	Range 30 - 150		Recovery =		3.92%#	4.11%#
27)	s	Decachlorobi	6.408	7.068	31651566	15677432	2.170M3	2.263M4
		Spiked Amount 50.000	Range 30 - 150		Recovery =		4.34%#	4.53%#
		Target Compounds						
3)	t	Hexachlorobe	1.956	2.298	34993092	19878228	2.029M4	2.241M4
4)	t	alpha-BHC	2.059	2.399	35335327	20998068	1.599M4	1.822
5)	t	gamma-BHC (l	2.270	2.699	33688156	20443068	1.693M3	1.916M4
6)	t	beta-BHC	2.329	2.766	18321201	11098062	2.052M4	2.286
7)	t	delta-BHC	2.463	3.047	33395225	20172708	1.647M3	1.860M3
8)	t	Heptachlor	2.633	3.117	34987861	22511477	1.906M3	2.095M4
9)	t	Aldrin	2.886	3.453	32771183	19107148	1.758M4	1.958
10)	t	Alachlor	3.010	3.326	5586964	3727570	2.067	2.328M4
11)	t	Chlorpyrifos	3.104	3.695	21053856	13998491	2.182M3	2.431M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 13:11
Operator : PEST11:akm
Sample : il3pest,42e,,pp 11941 L0.002
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:19:46 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:19:39 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.451	4.092	33264145	21069405	1.920M3	2.191M4
13)	t	gamma-Chlord	3.579	4.312	32339102	18073498	1.949M4	2.089M3
14)	t	alpha-Chlord	3.718	4.472	36950810	20357754	1.954M4	2.118M4
15)	t	4,4'-DDE	3.816	4.657	30212905	17654430	1.691M3	1.921M3
16)	t	Endosulfan I	3.859	4.531	31652194	19106839	1.901M4	2.155
17)	t	Dieldrin	4.127	4.811	32021323	18013955	1.848M4	2.007
18)	t	Endrin	4.378	5.100	30604445	18062438	1.810M4	1.992M3
19)	t	4,4'-DDD	4.480	5.213	23175704	14350001	1.724M4	1.947M3
20)	t	Endosulfan I	4.609	5.292	29615278	17474003	1.909M4	2.134M4
21)	t	4,4'-DDT	4.763	5.485	26785951	16481418	1.864M4	1.970M3
22)	t	Endrin Aldeh	5.014	5.582	24120683	16155366	1.867M3	2.262M3
23)	t	Methoxychlor	5.236	6.039	16943927	10475110	2.163M4	2.268M3
24)	t	Mirex	5.299	6.186	31859066	17451677	2.205M4	2.458
25)	t	Endosulfan S	5.397	5.807	30000489	17513288	1.940M3	2.185M4
26)	t	Endrin Keton	5.621	6.217	30098512	17919568	1.957M4	2.110
29)	l1	chlordane-1	0.000	0.000	0	0	N.D.	N.D.
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 13:11
Operator : PEST11:akm
Sample : il3pest,42e,,pp 11941 L0.002
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:19:46 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:19:39 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

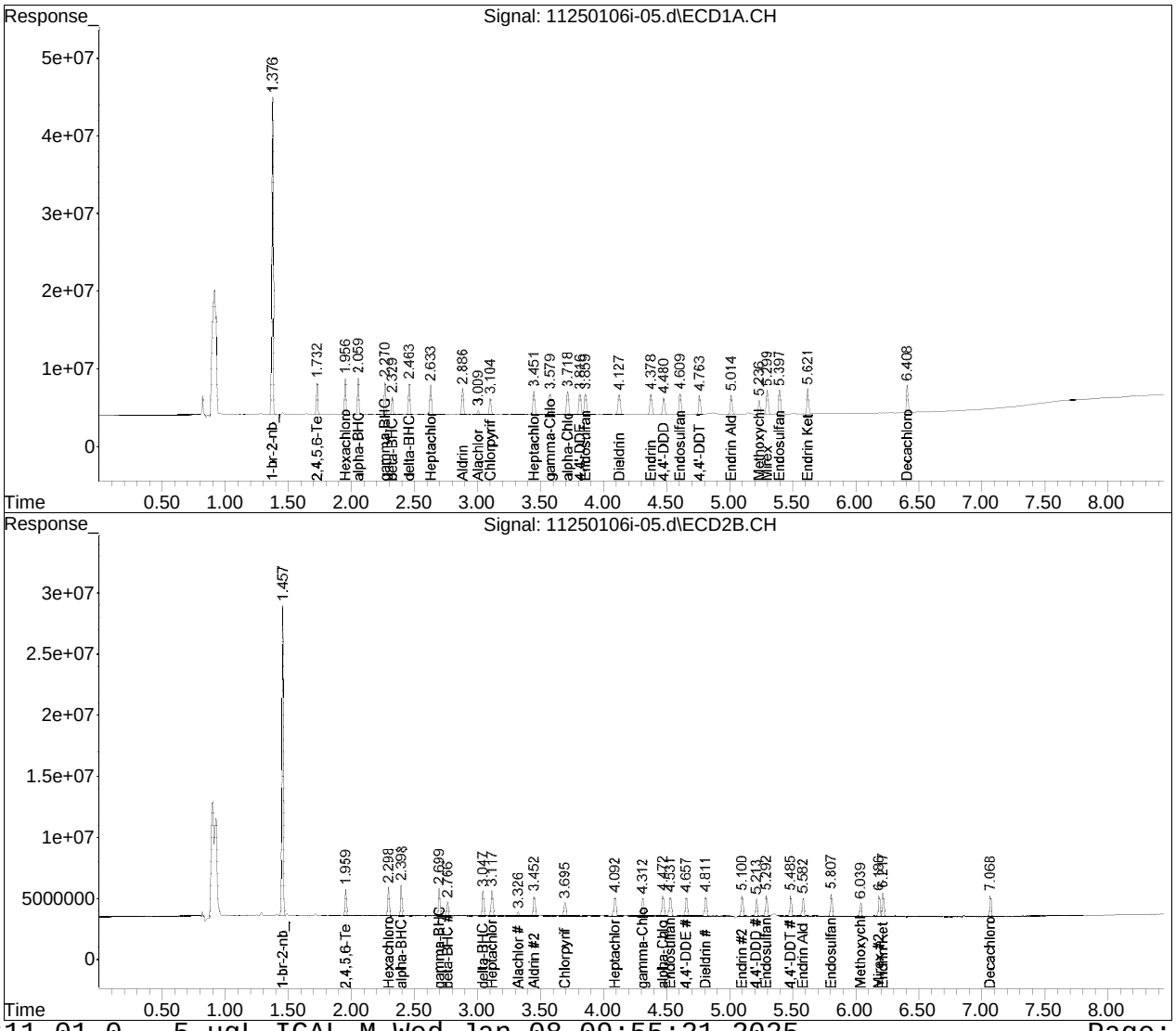
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 13:11
Operator : PEST11:akm
Sample : il3pest,42e,,pp 11941 L0.002
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:19:46 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:19:39 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

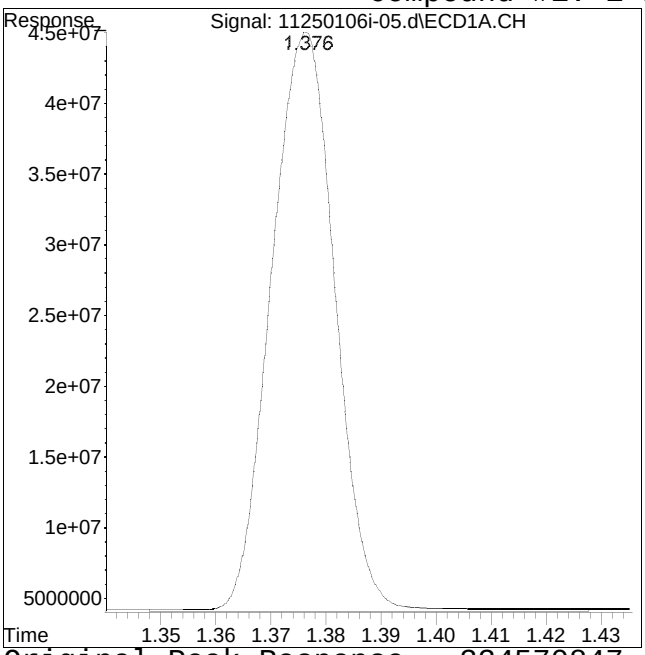


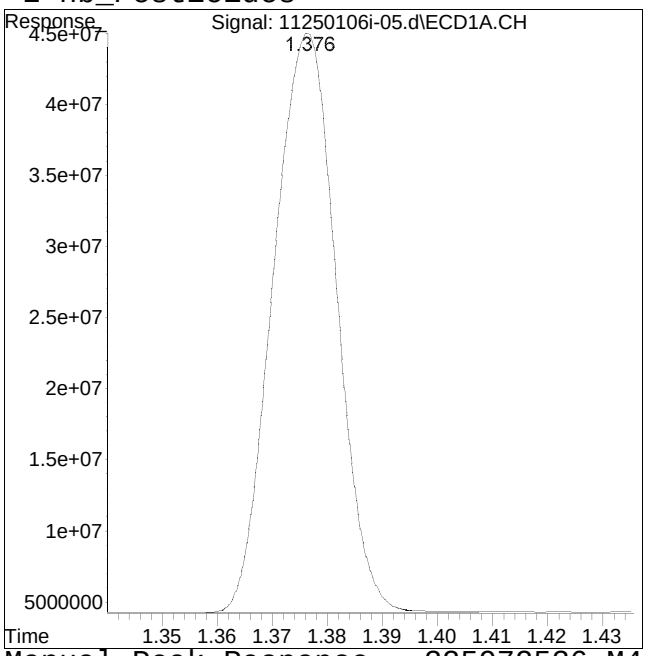
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-05.d
Date Inj'd : 1/6/2025 13:11
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:19 pm

Compound #1: 1-br-2-nb_Pesticides



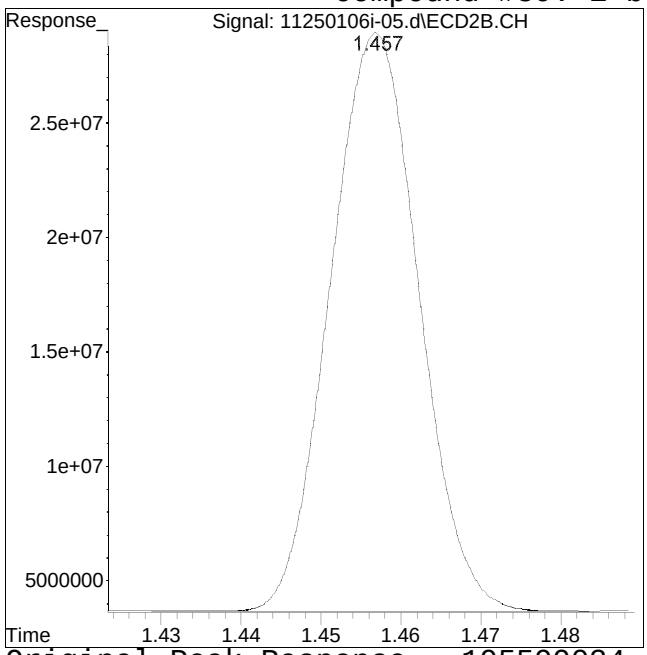


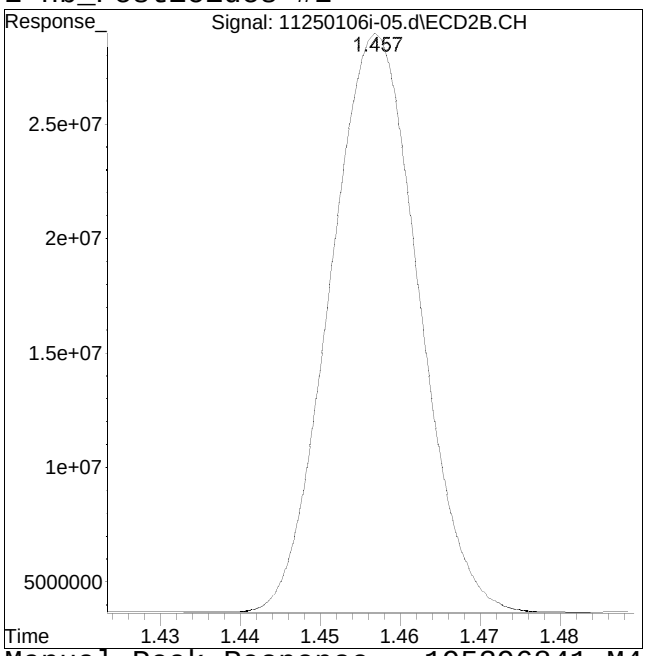
Original Peak Response = 334570847 Manual Peak Response = 325972536 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-05.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:11 Instrument : Pest 11
Sample : il3pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:19 pm

Compound #39: 1-br-2-nb_Pesticides #2



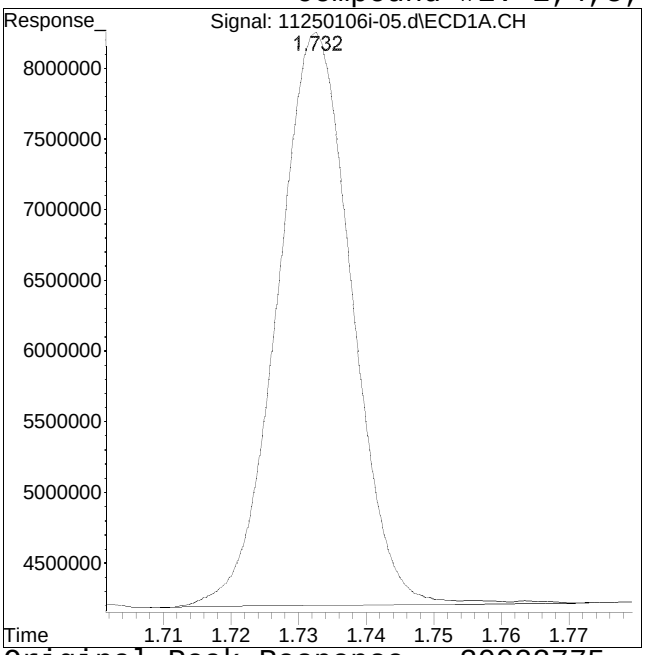


Original Peak Response = 195599034 Manual Peak Response = 195396841 M4
M4 = Poor automated baseline construction.

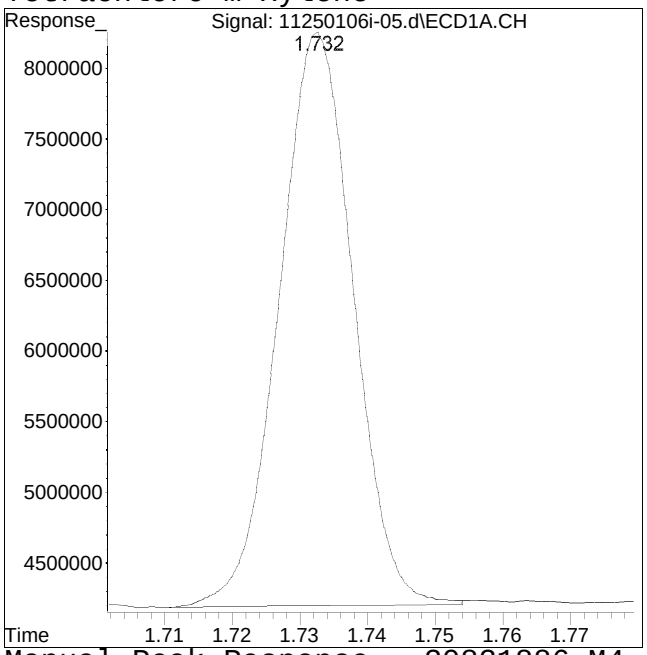
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-05.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:11 Instrument : Pest 11
Sample : il3pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:19 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 30922775



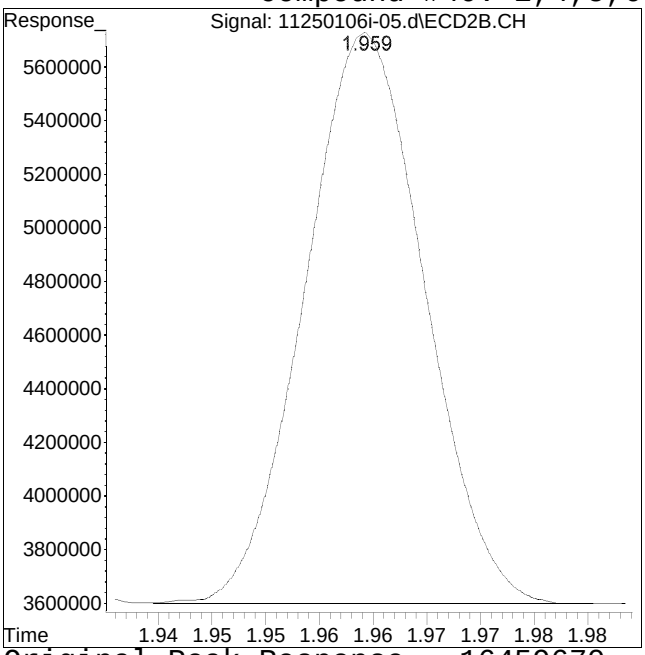
Manual Peak Response = 30831886 M4

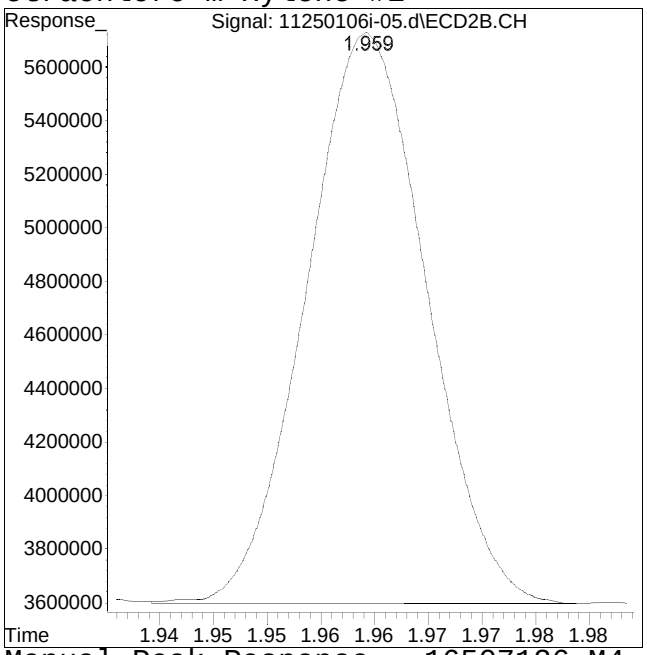
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-05.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:11 Instrument : Pest 11
Sample : il3pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:19 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2





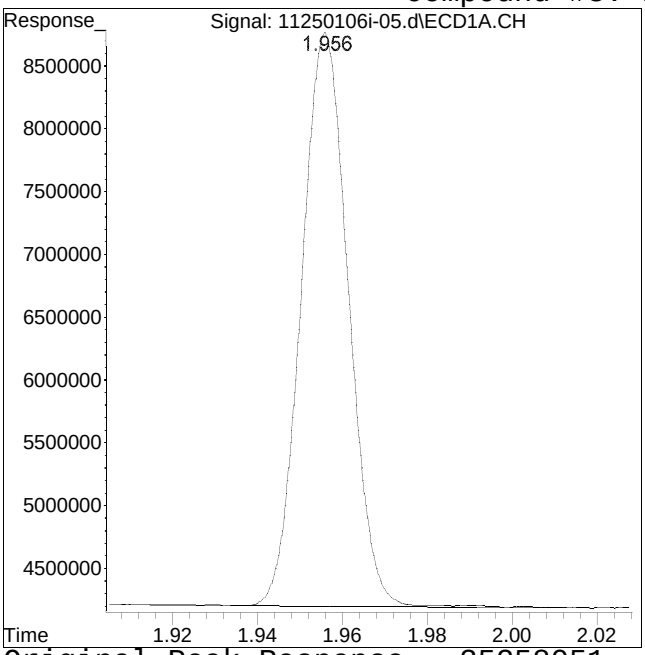
Original Peak Response = 16459670 Manual Peak Response = 16507126 M4
M4 = Poor automated baseline construction.

Manual Integration Report

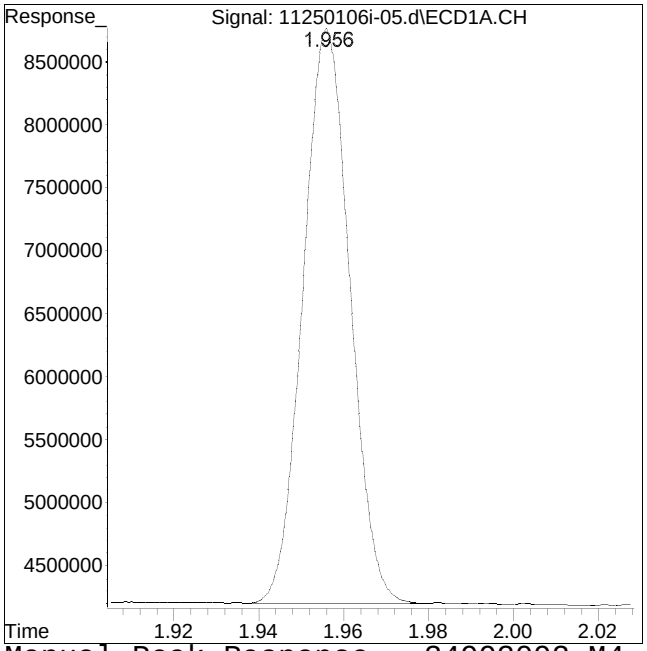
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-05.d
Date Inj'd : 1/6/2025 13:11
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:19 pm

Compound #3: Hexachlorobenzene



Original Peak Response = 35258051



Manual Peak Response = 34993092 M4

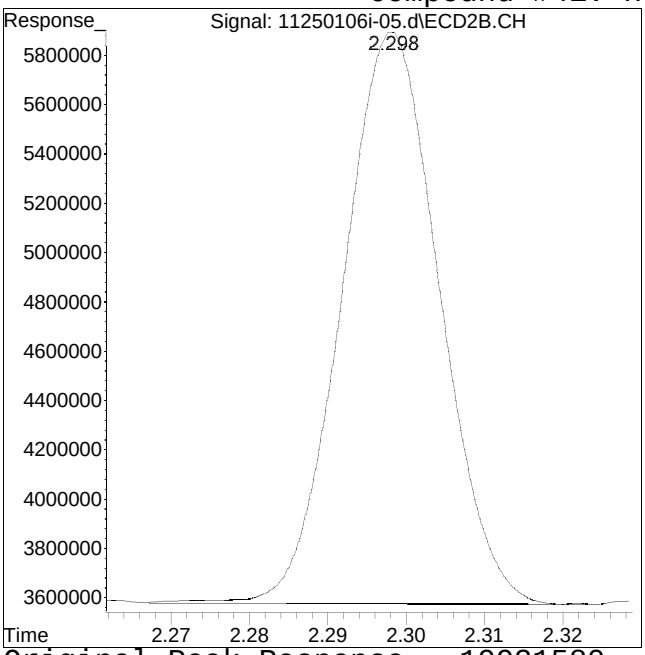
M4 = Poor automated baseline construction.

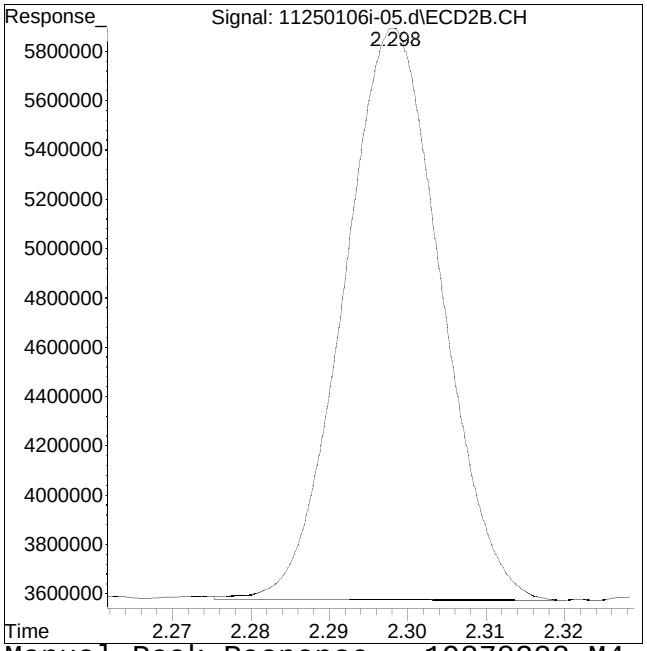
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-05.d
Date Inj'd : 1/6/2025 13:11
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:19 pm

Compound #41: Hexachlorobenzene #2





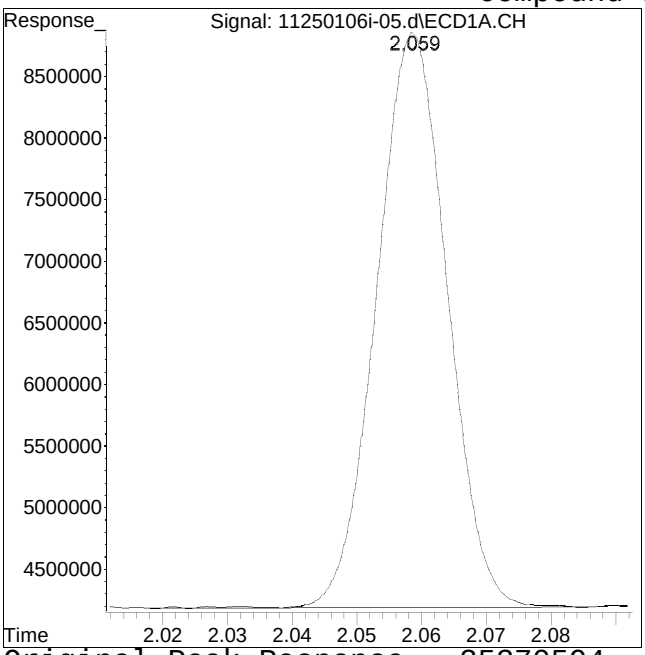
Original Peak Response = 19931580 Manual Peak Response = 19878228 M4
M4 = Poor automated baseline construction.

Manual Integration Report

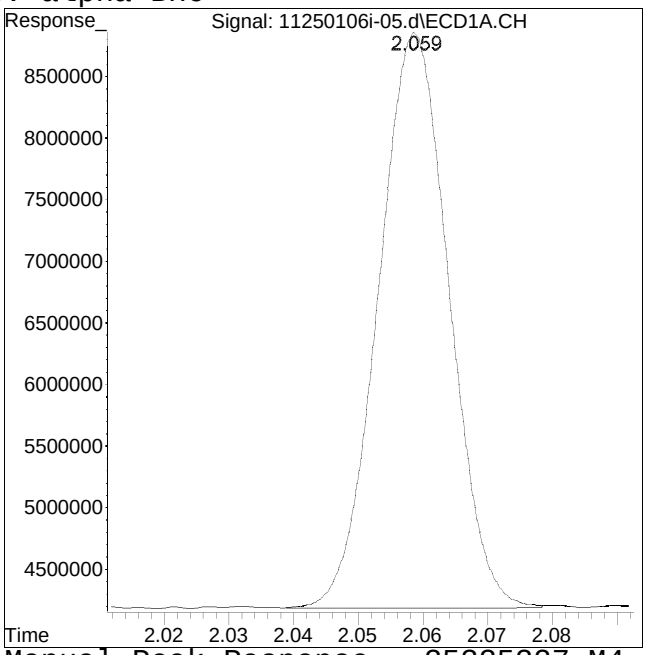
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-05.d
Date Inj'd : 1/6/2025 13:11
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:19 pm

Compound #4: alpha-BHC



Original Peak Response = 35370594



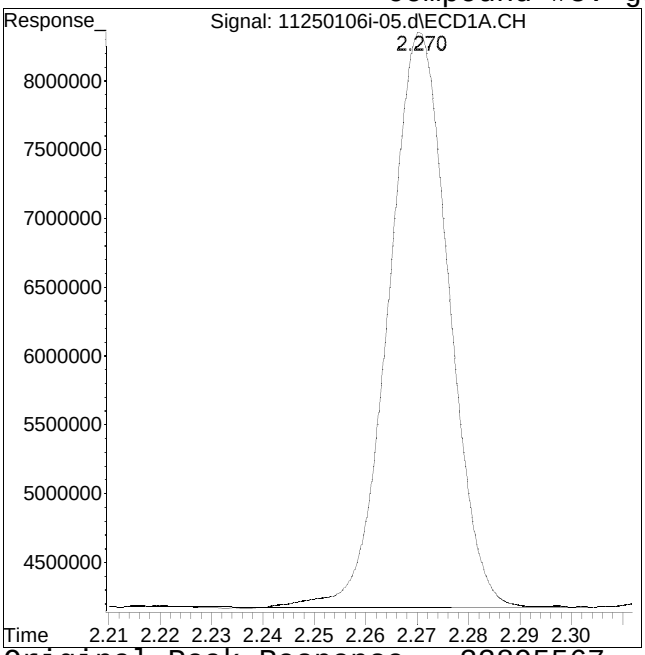
Manual Peak Response = 35335327 M4

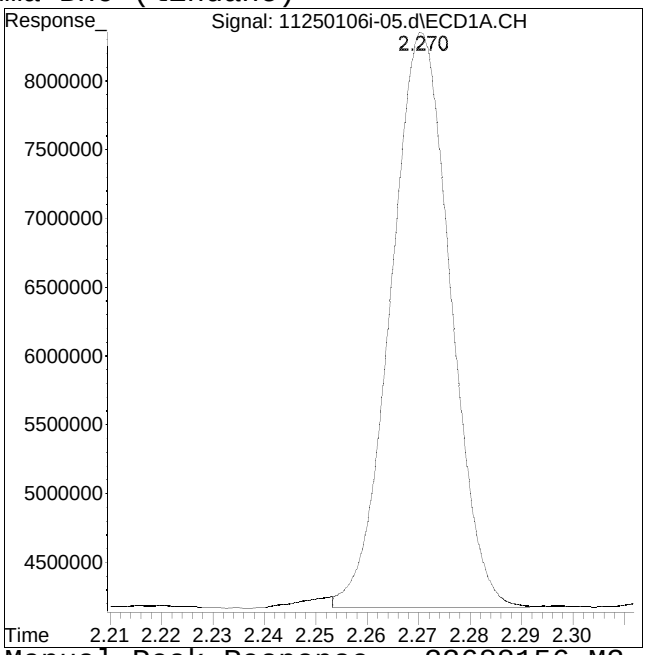
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-05.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:11 Instrument : Pest 11
Sample : il3pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:19 pm

Compound #5: gamma-BHC (lindane)





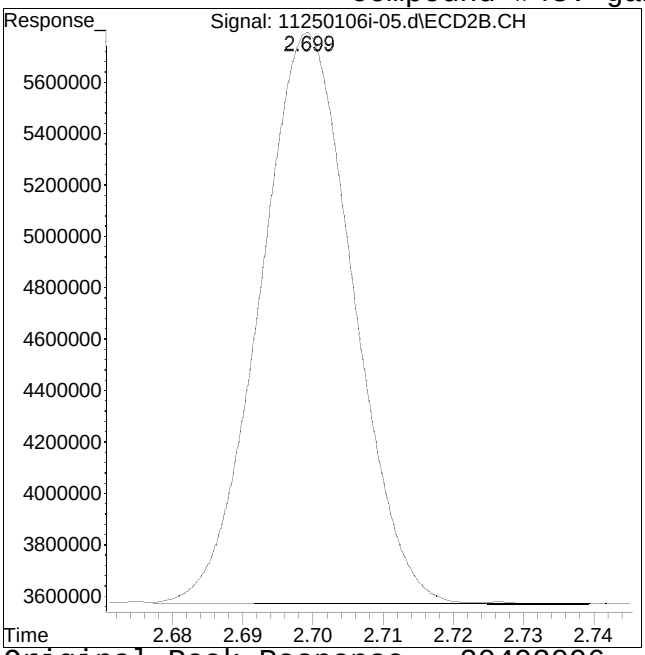
Original Peak Response = 33895567 Manual Peak Response = 33688156 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

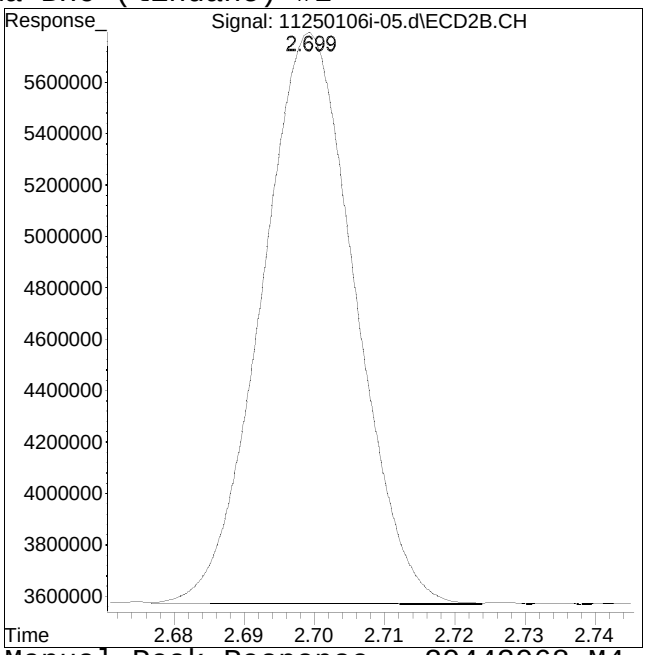
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-05.d
Date Inj'd : 1/6/2025 13:11
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:19 pm

Compound #43: gamma-BHC (lindane) #2



Original Peak Response = 20492096



Manual Peak Response = 20443068 M4

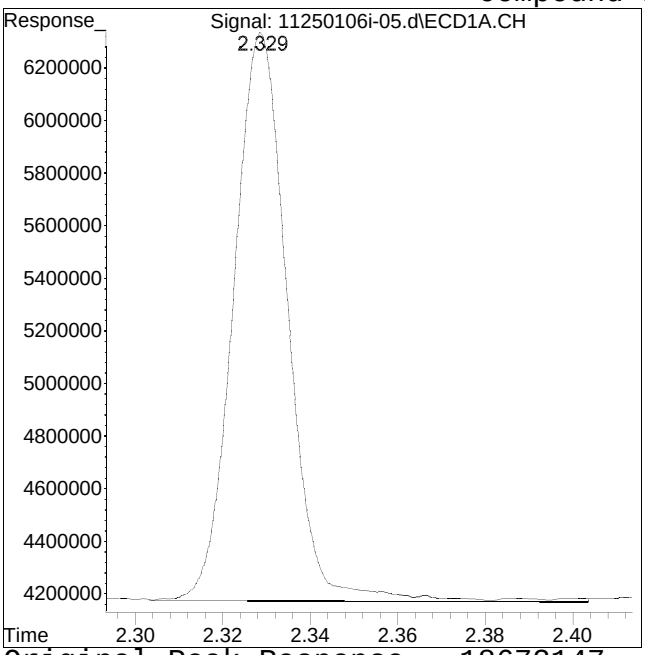
M4 = Poor automated baseline construction.

Manual Integration Report

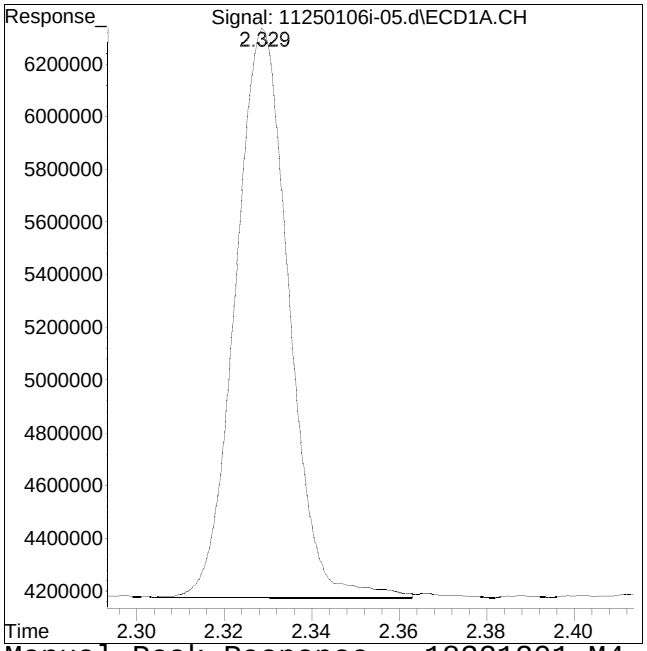
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-05.d
Date Inj'd : 1/6/2025 13:11
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:19 pm

Compound #6: beta-BHC



Original Peak Response = 18672147



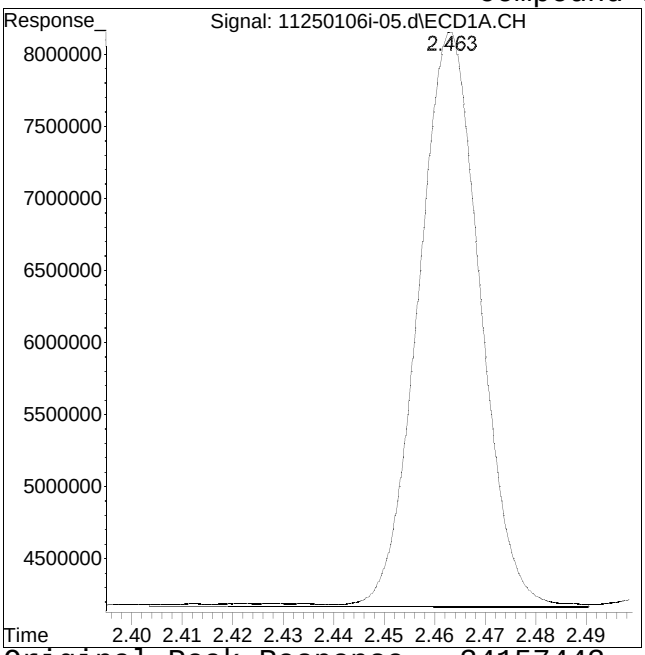
Manual Peak Response = 18321201 M4

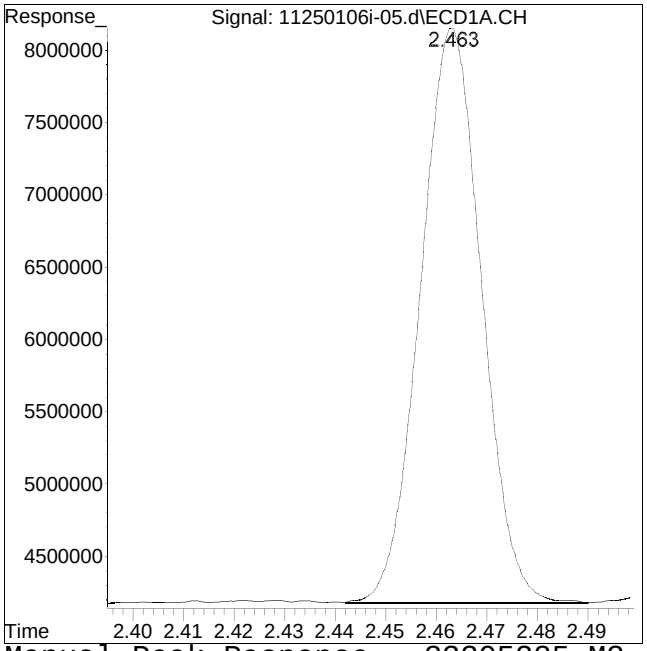
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-05.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:11 Instrument : Pest 11
Sample : il3pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:19 pm

Compound #7: delta-BHC



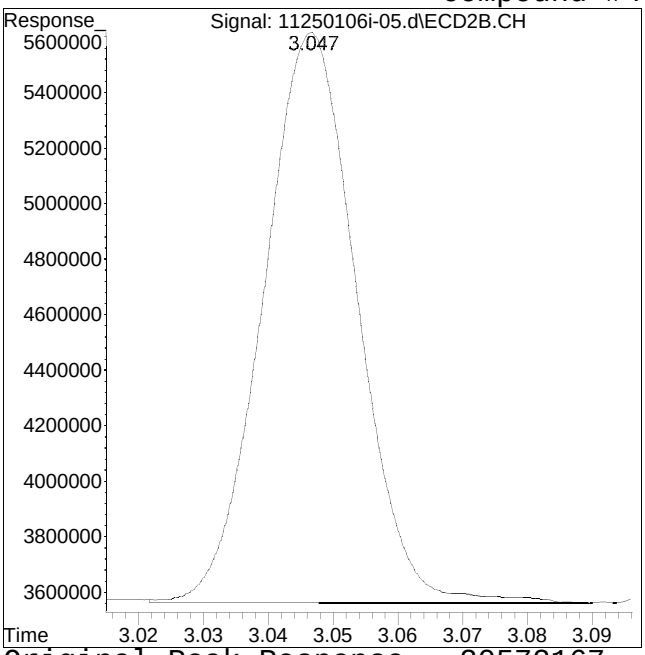


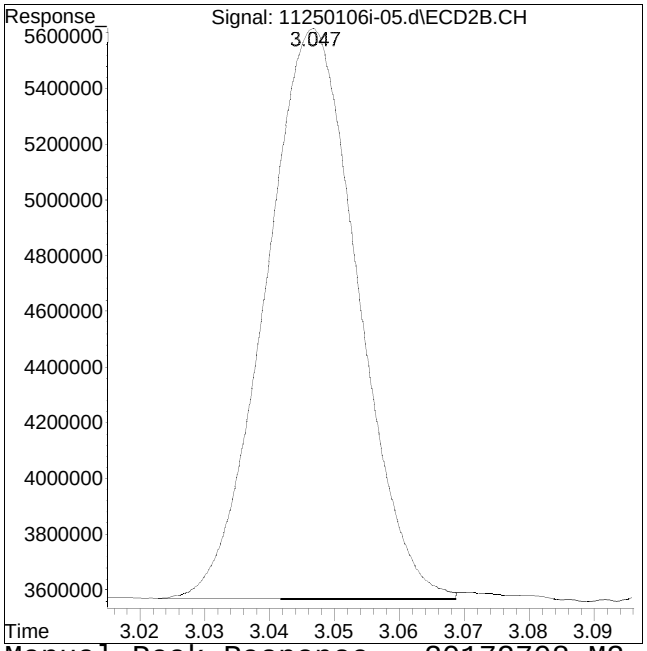
Original Peak Response = 34157443 Manual Peak Response = 33395225 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-05.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:11 Instrument : Pest 11
Sample : il3pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:19 pm

Compound #45: delta-BHC #2



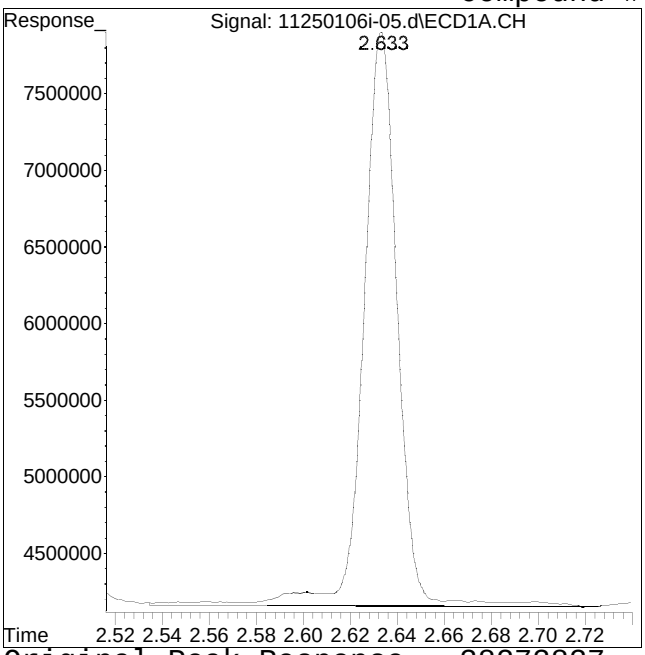


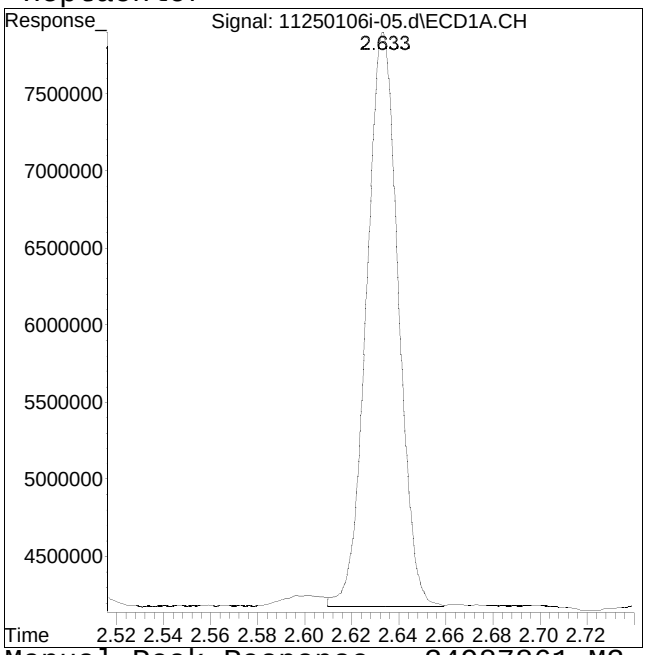
Original Peak Response = 20572167 Manual Peak Response = 20172708 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-05.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:11 Instrument : Pest 11
Sample : il3pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:19 pm

Compound #8: Heptachlor





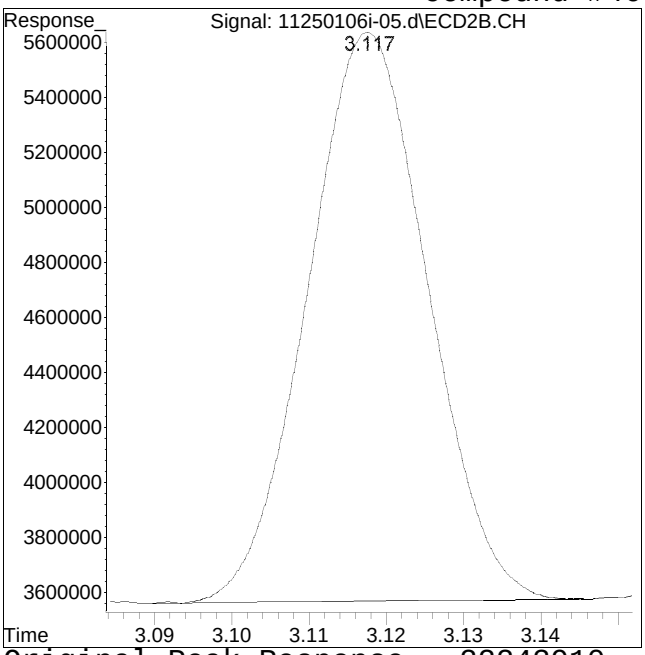
Original Peak Response = 38273837 Manual Peak Response = 34987861 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

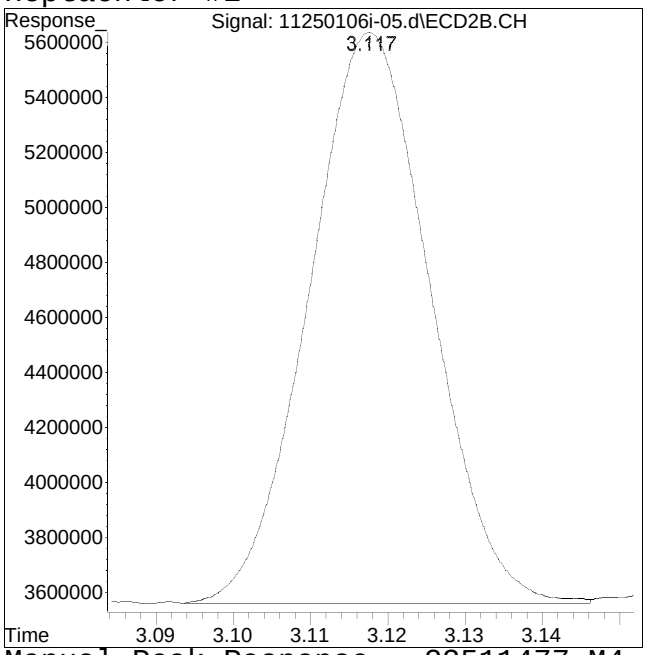
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-05.d
Date Inj'd : 1/6/2025 13:11
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:19 pm

Compound #46: Heptachlor #2



Original Peak Response = 22243910



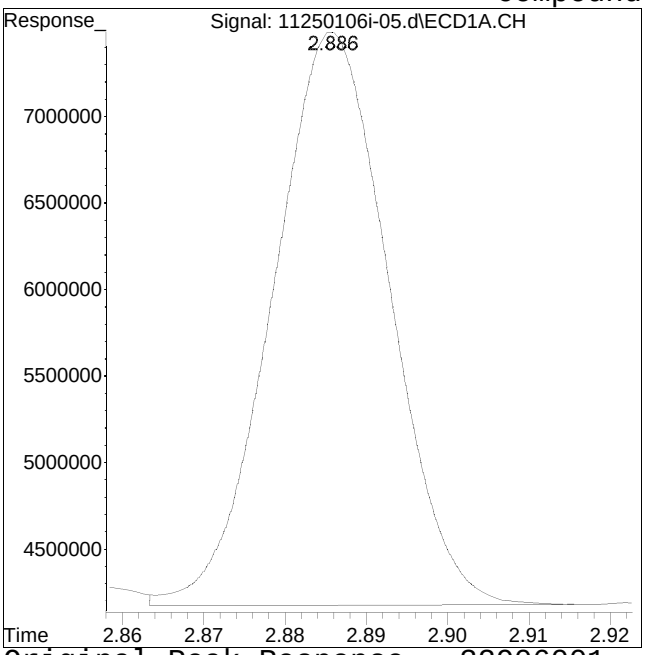
Manual Peak Response = 22511477 M4

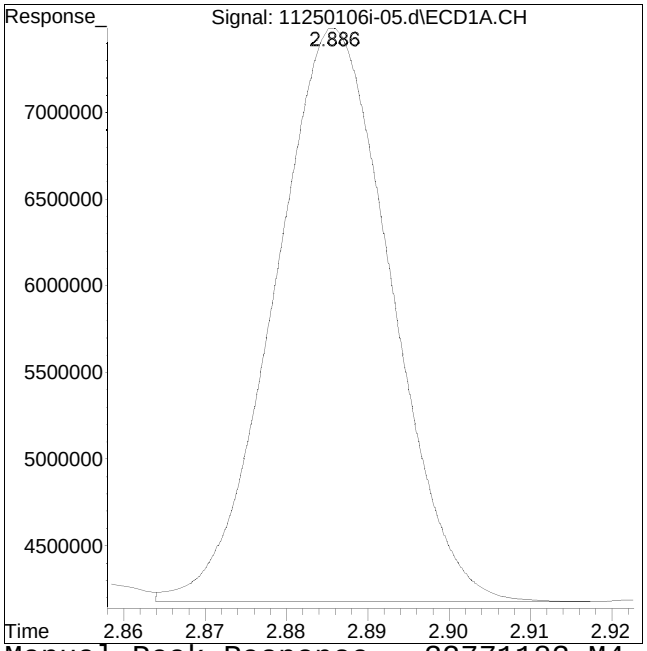
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-05.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:11 Instrument : Pest 11
Sample : il3pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:19 pm

Compound #9: Aldrin





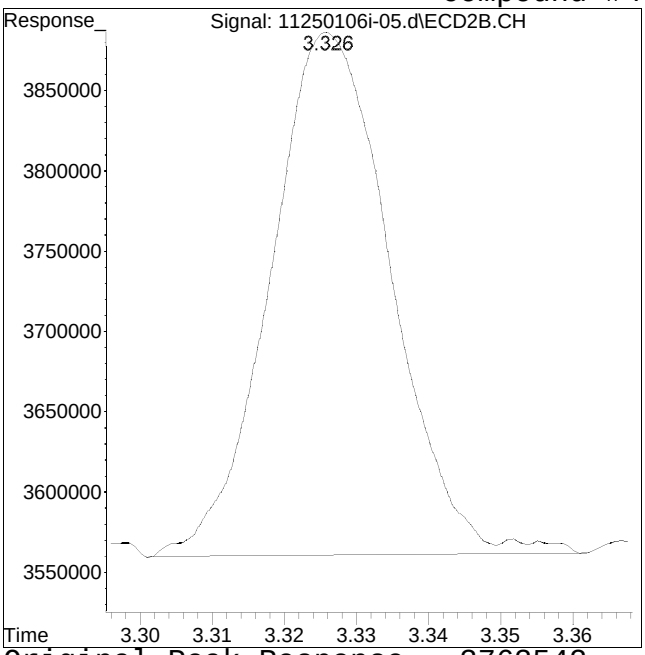
Original Peak Response = 32906001 Manual Peak Response = 32771183 M4
M4 = Poor automated baseline construction.

Manual Integration Report

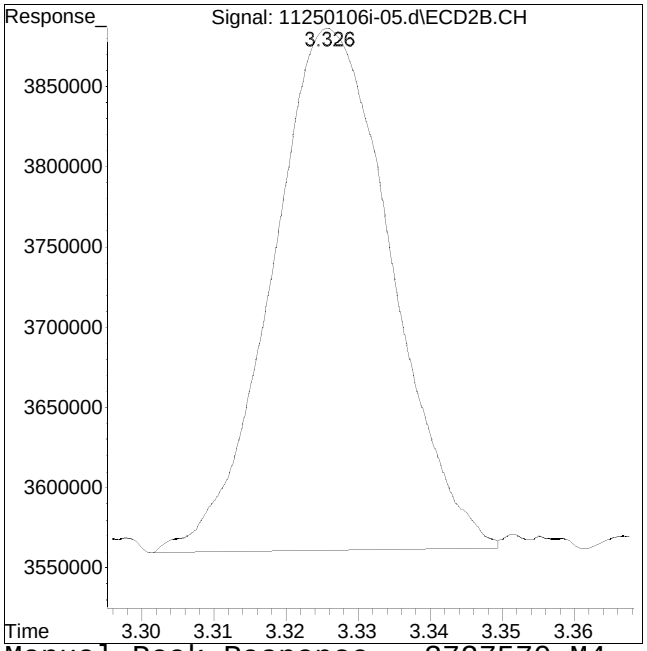
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-05.d
Date Inj'd : 1/6/2025 13:11
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:19 pm

Compound #48: Alachlor #2



Original Peak Response = 3763542



Manual Peak Response = 3727570 M4

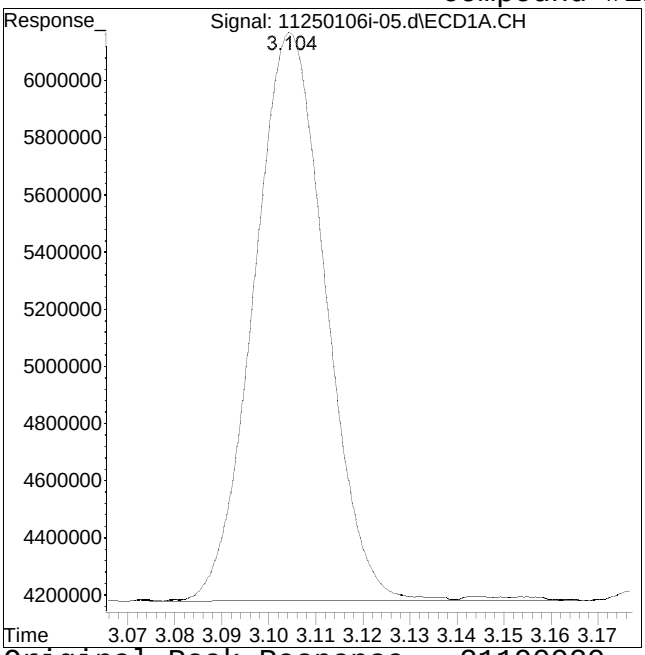
M4 = Poor automated baseline construction.

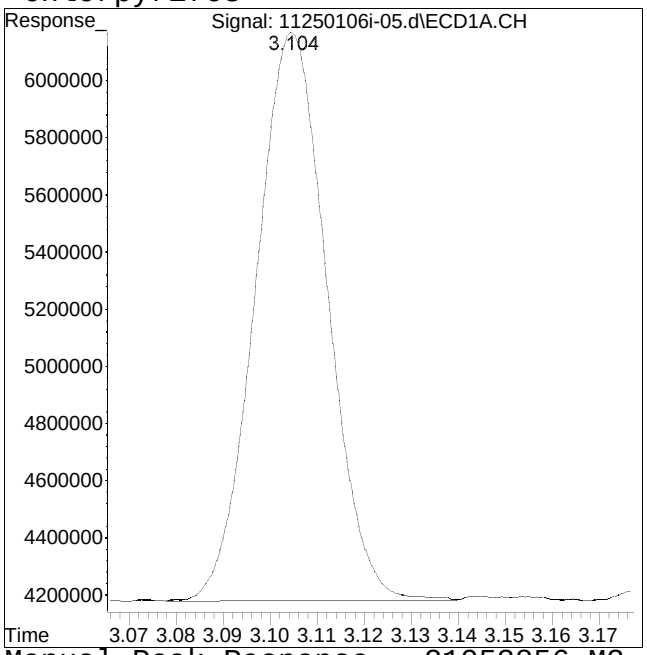
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-05.d
Date Inj'd : 1/6/2025 13:11
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:19 pm

Compound #11: Chlorpyrifos





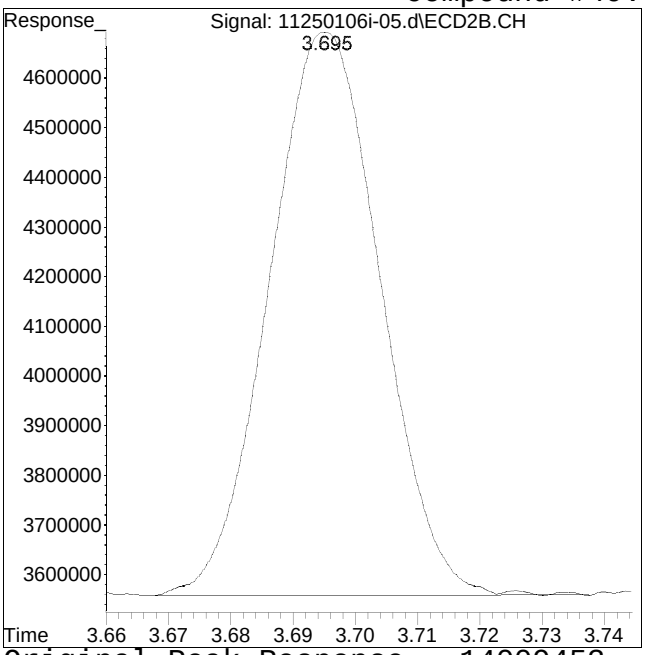
Original Peak Response = 21190920 Manual Peak Response = 21053856 M3

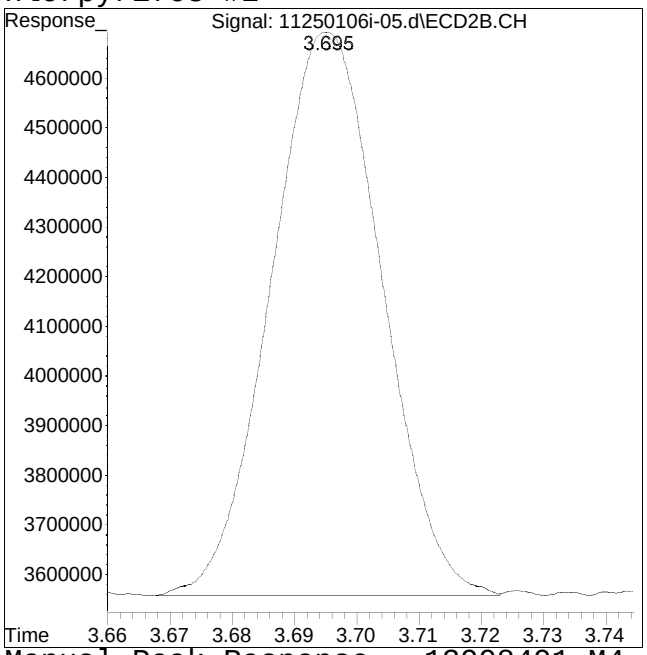
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-05.d
Date Inj'd : 1/6/2025 13:11
Sample : il3pest,42e,,pp 11941 L0.0
Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:19 pm

Compound #49: Chlorpyrifos #2





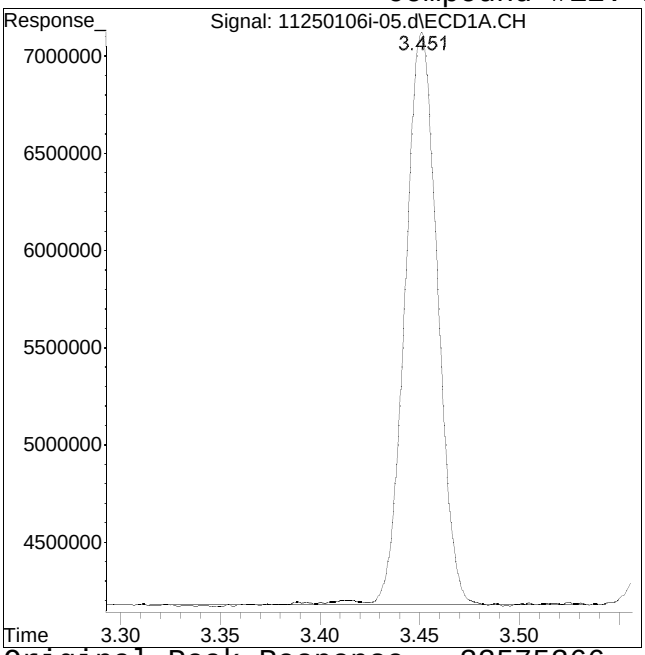
Original Peak Response = 14009453 Manual Peak Response = 13998491 M4
M4 = Poor automated baseline construction.

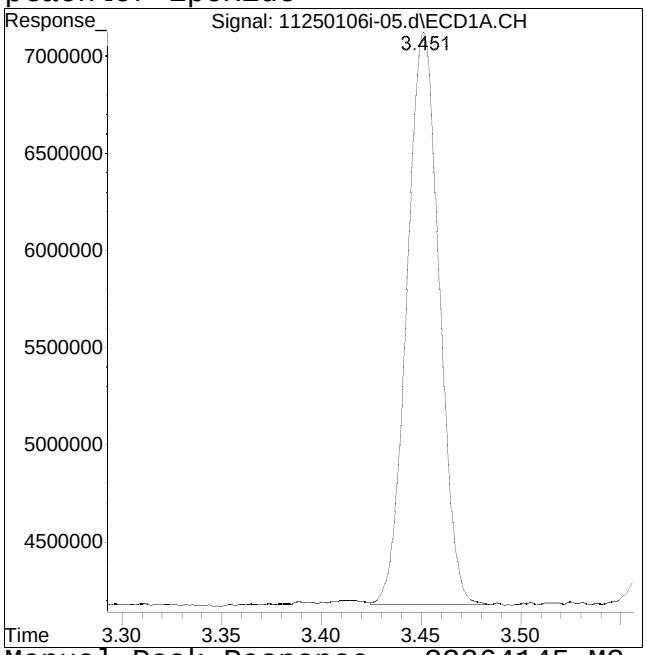
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-05.d
Date Inj'd : 1/6/2025 13:11
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:19 pm

Compound #12: Heptachlor Epoxide





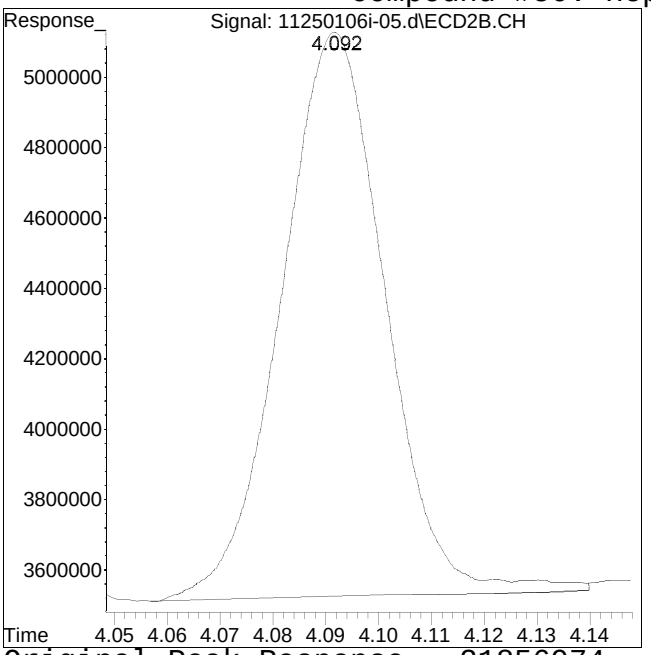
Original Peak Response = 33575366 Manual Peak Response = 33264145 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

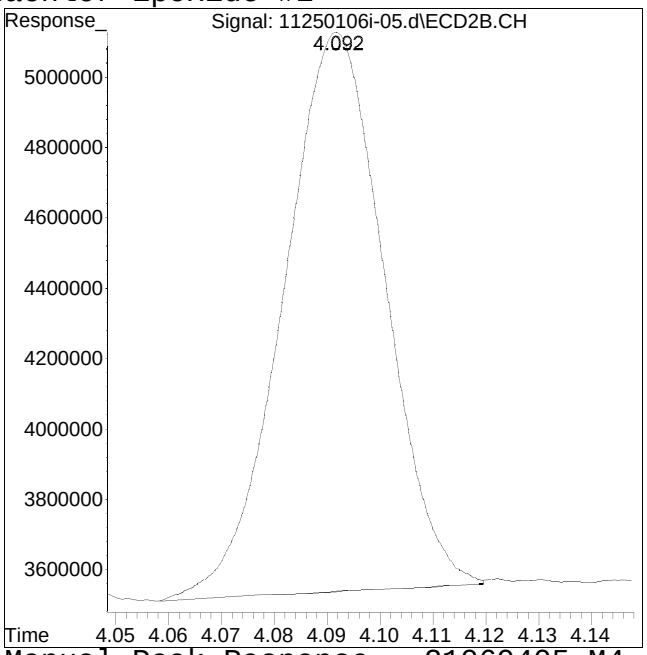
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-05.d
Date Inj'd : 1/6/2025 13:11
Sample : il3pest,42e,,pp 11941 L0.0
Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:19 pm

Compound #50: Heptachlor Epoxide #2



Original Peak Response = 21856974



Manual Peak Response = 21069405 M4

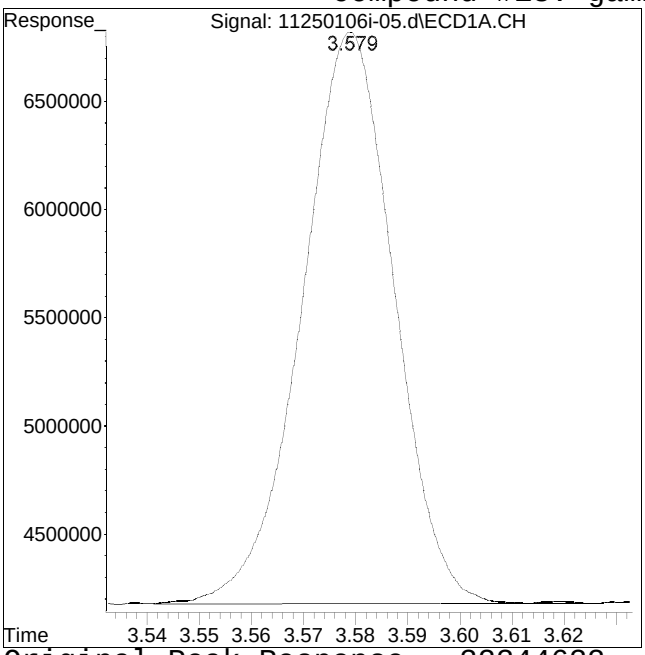
M4 = Poor automated baseline construction.

Manual Integration Report

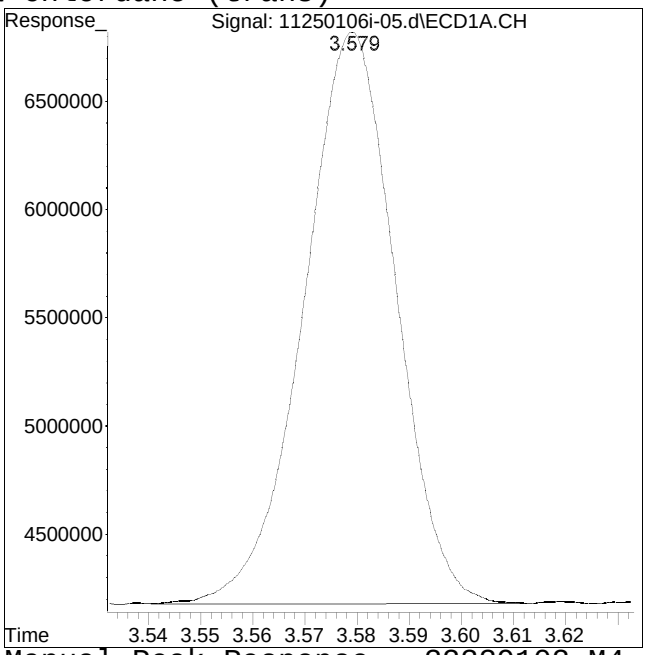
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-05.d
Date Inj'd : 1/6/2025 13:11
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:19 pm

Compound #13: gamma-Chlordane (trans)



Original Peak Response = 32344632



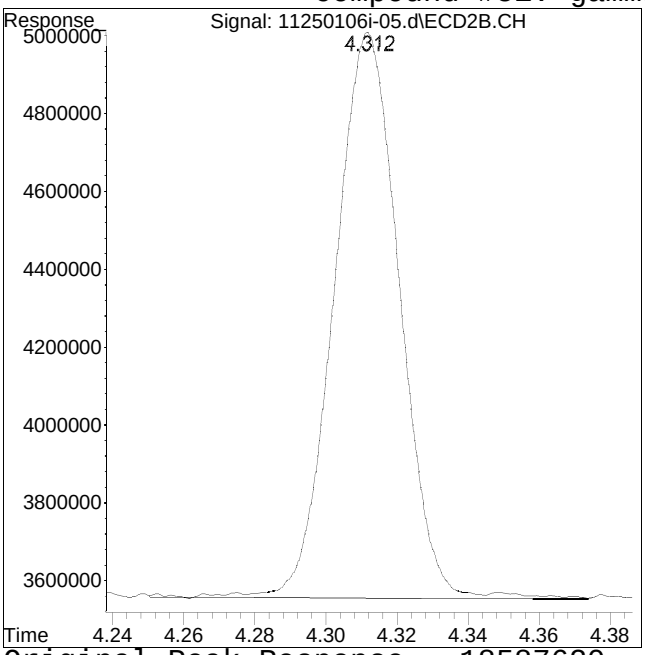
Manual Peak Response = 32339102 M4

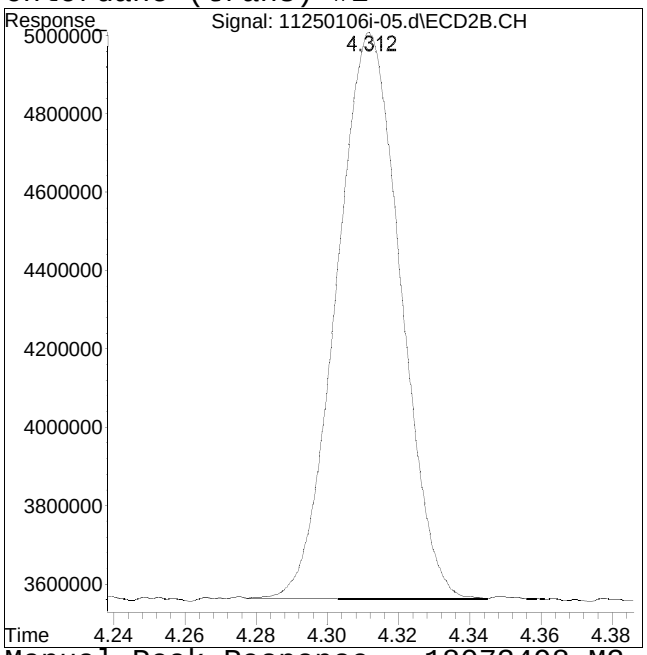
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-05.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:11 Instrument : Pest 11
Sample : il3pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:19 pm

Compound #51: gamma-Chlordane (trans) #2



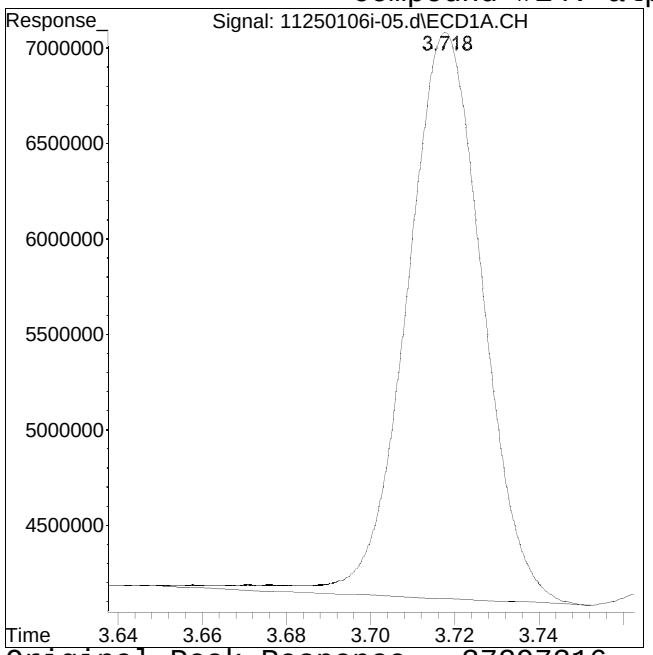


Original Peak Response = 18587620 Manual Peak Response = 18073498 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

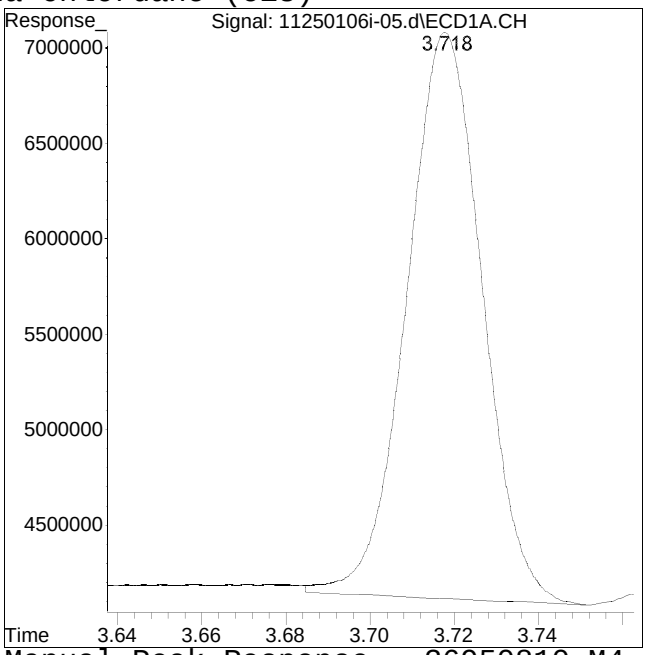
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-05.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:11 Instrument : Pest 11
Sample : il3pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:19 pm

Compound #14: alpha-Chlordane (cis)



Original Peak Response = 37297316



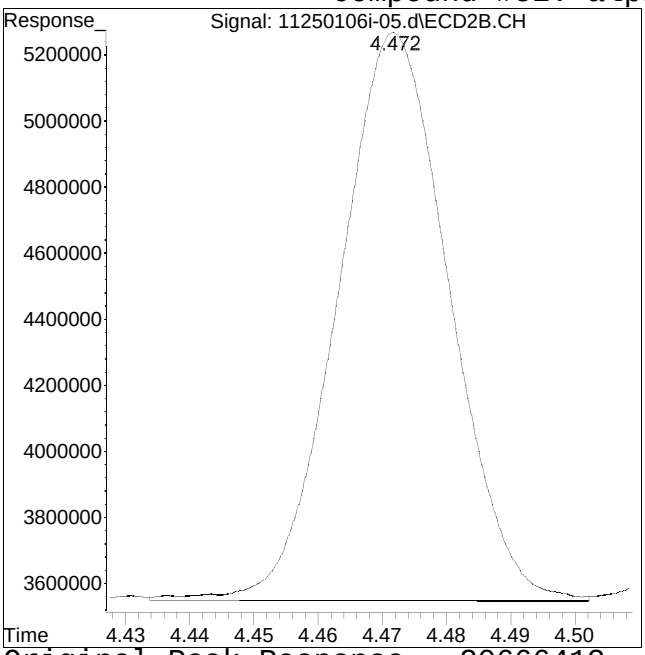
Manual Peak Response = 36950810 M4

M4 = Poor automated baseline construction.

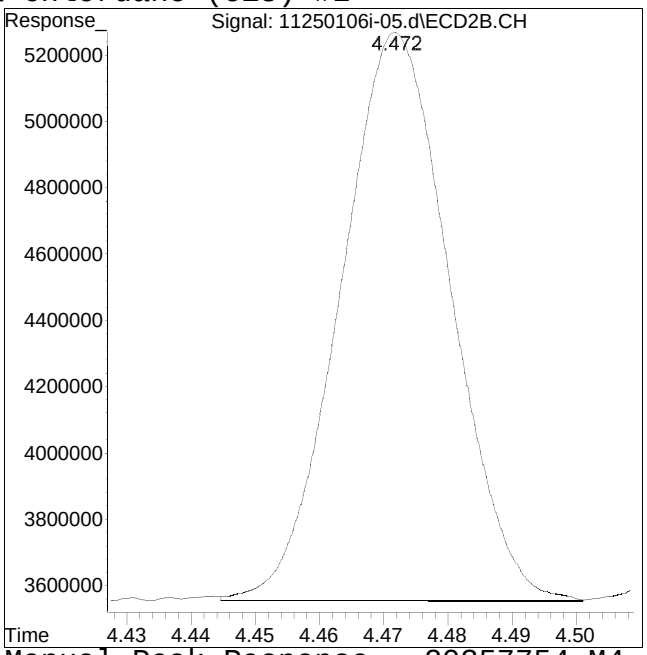
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-05.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:11 Instrument : Pest 11
Sample : il3pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:19 pm

Compound #52: alpha-Chlordane (cis) #2



Original Peak Response = 20666412



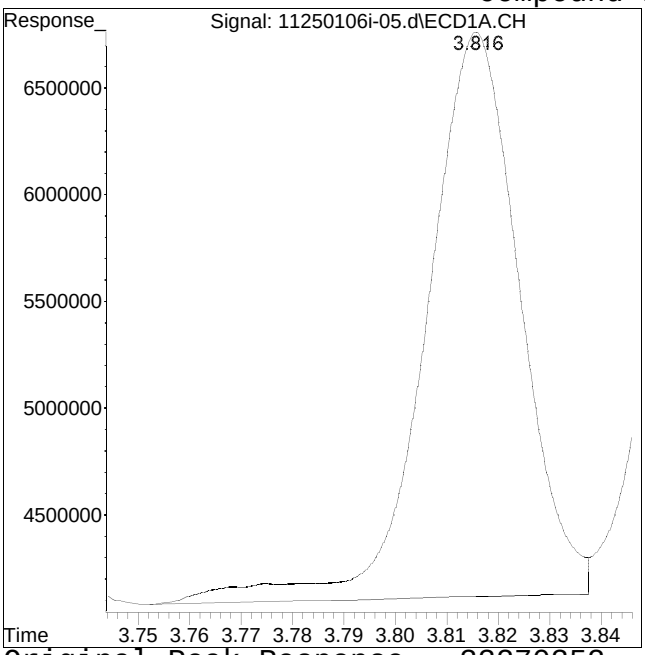
Manual Peak Response = 20357754 M4

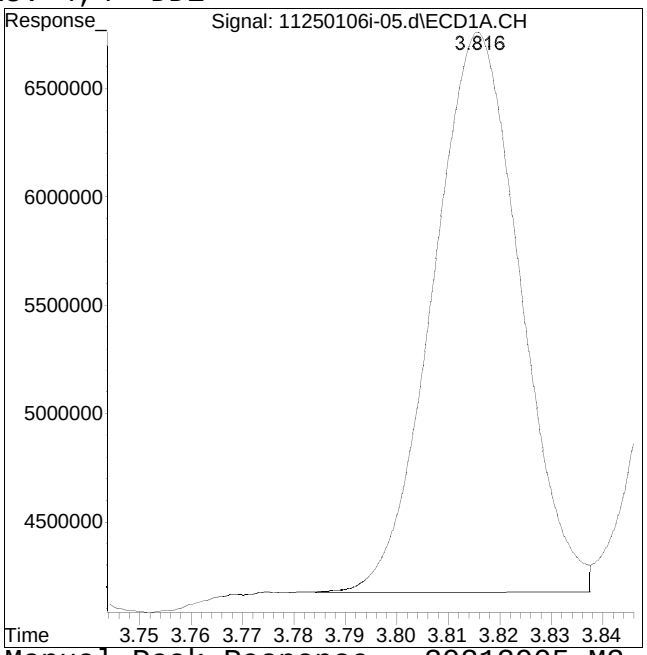
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-05.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:11 Instrument : Pest 11
Sample : il3pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:19 pm

Compound #15: 4,4'-DDE



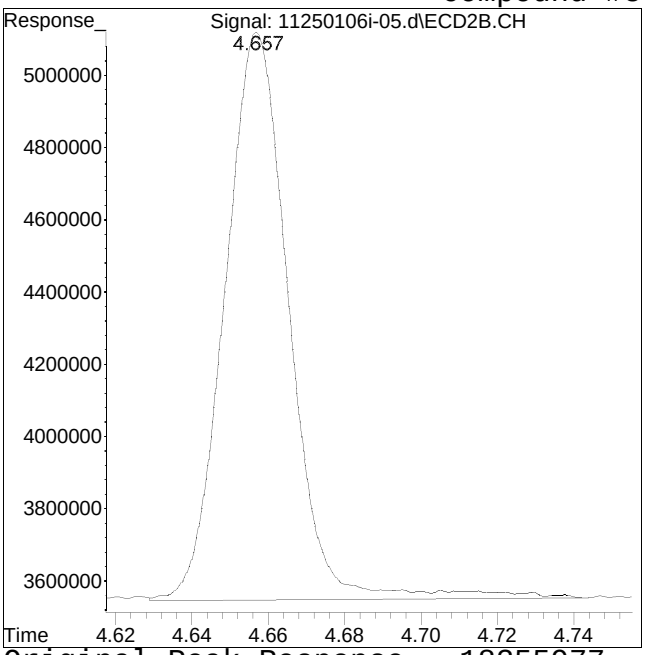


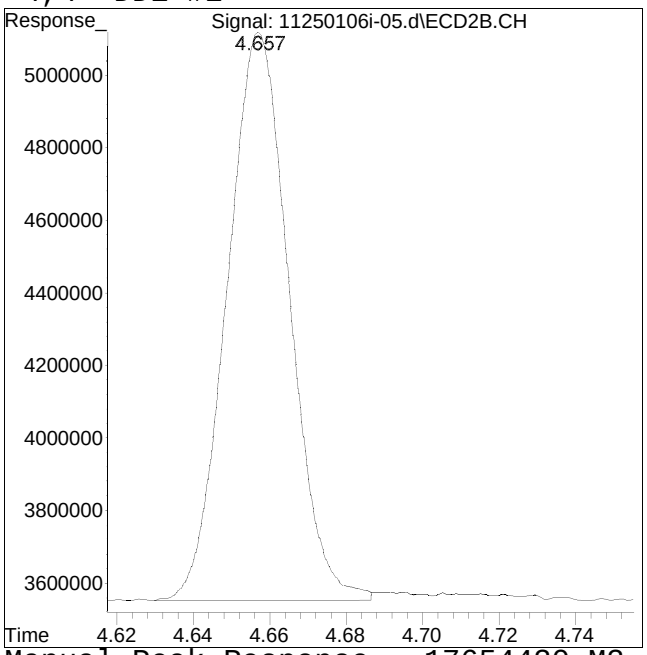
Original Peak Response = 33270352 Manual Peak Response = 30212905 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-05.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:11 Instrument : Pest 11
Sample : il3pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:19 pm

Compound #53: 4,4'-DDE #2





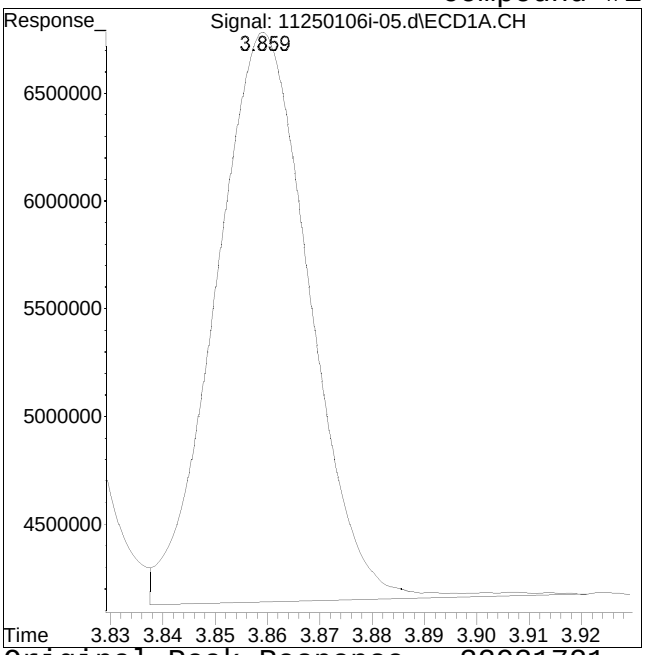
Original Peak Response = 18355977 Manual Peak Response = 17654430 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

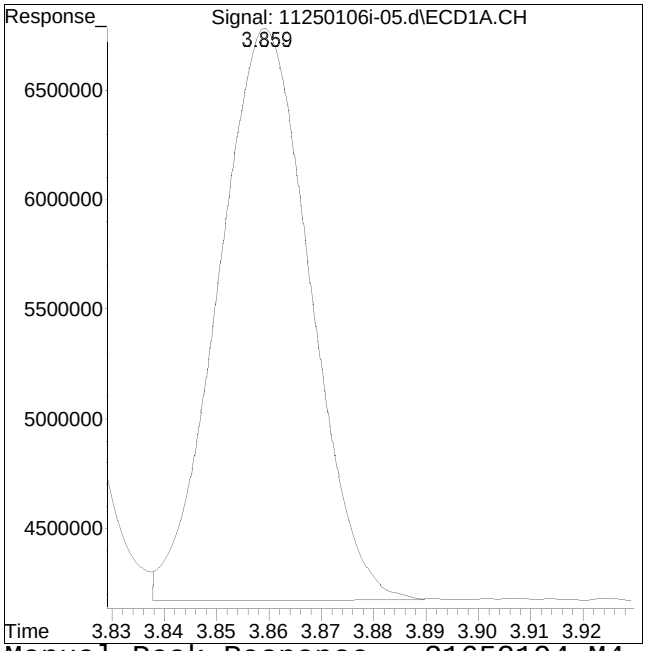
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-05.d
Date Inj'd : 1/6/2025 13:11
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:19 pm

Compound #16: Endosulfan I



Original Peak Response = 32931721



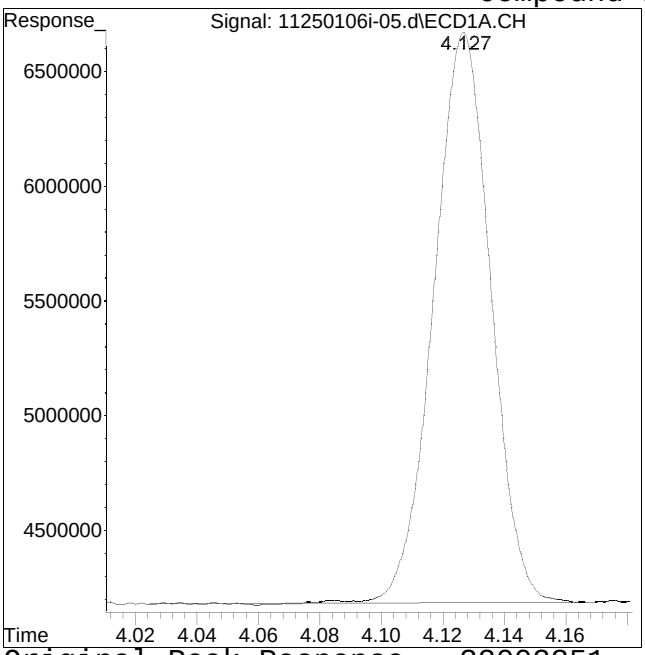
Manual Peak Response = 31652194 M4

M4 = Poor automated baseline construction.

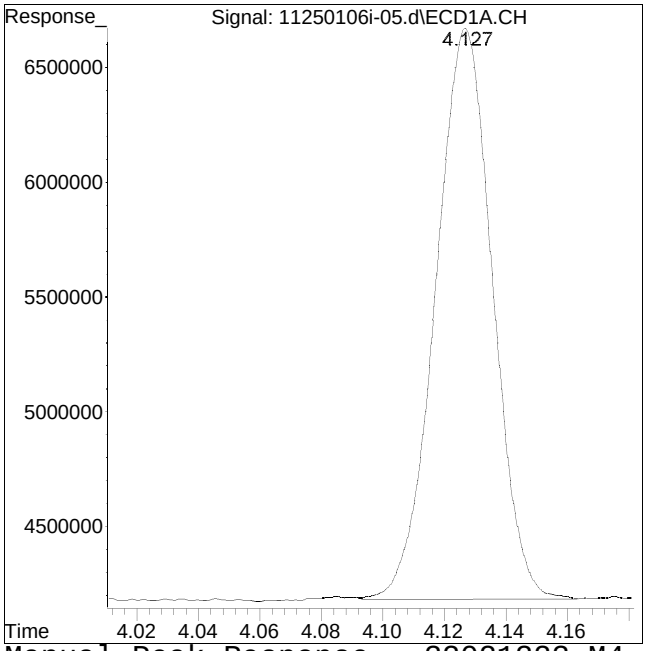
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-05.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:11 Instrument : Pest 11
Sample : il3pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:19 pm

Compound #17: Dieldrin



Original Peak Response = 32002351



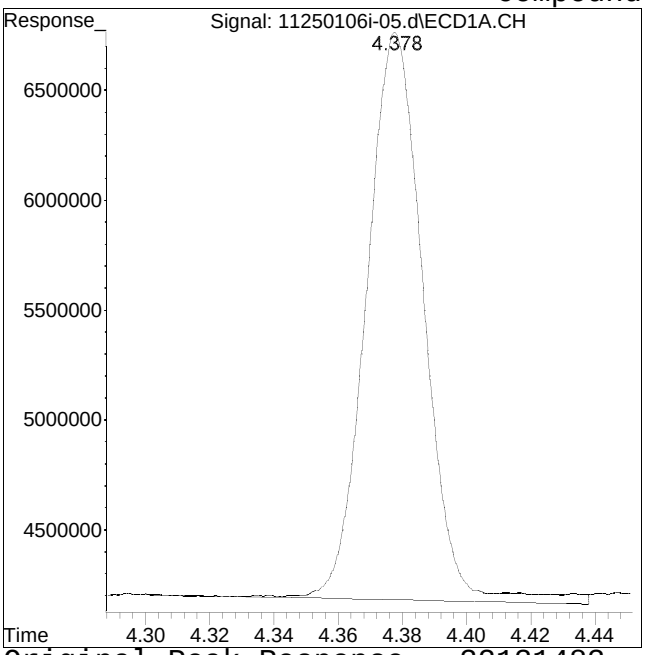
Manual Peak Response = 32021323 M4

M4 = Poor automated baseline construction.

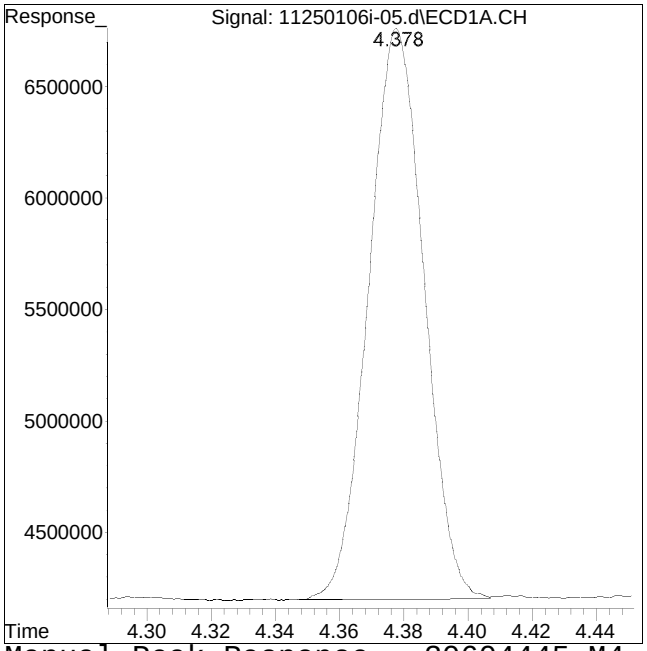
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-05.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:11 Instrument : Pest 11
Sample : il3pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:19 pm

Compound #18: Endrin



Original Peak Response = 32131483



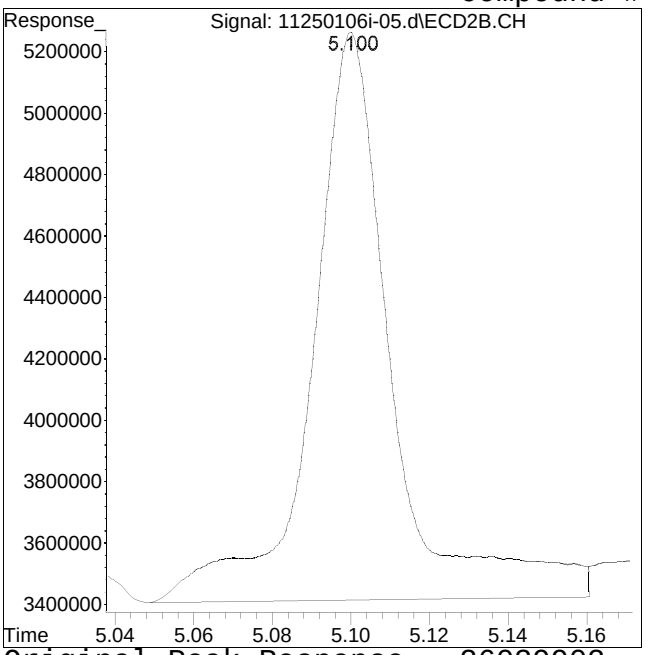
Manual Peak Response = 30604445 M4

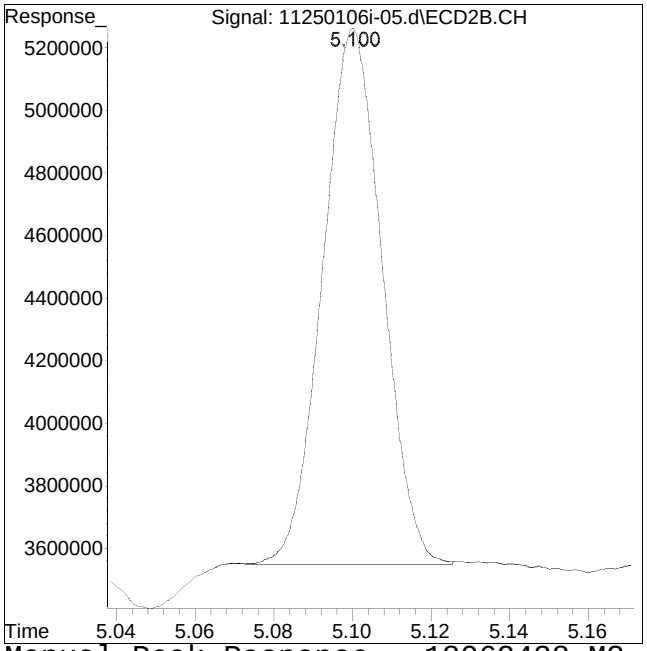
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-05.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:11 Instrument : Pest 11
Sample : il3pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:19 pm

Compound #56: Endrin #2





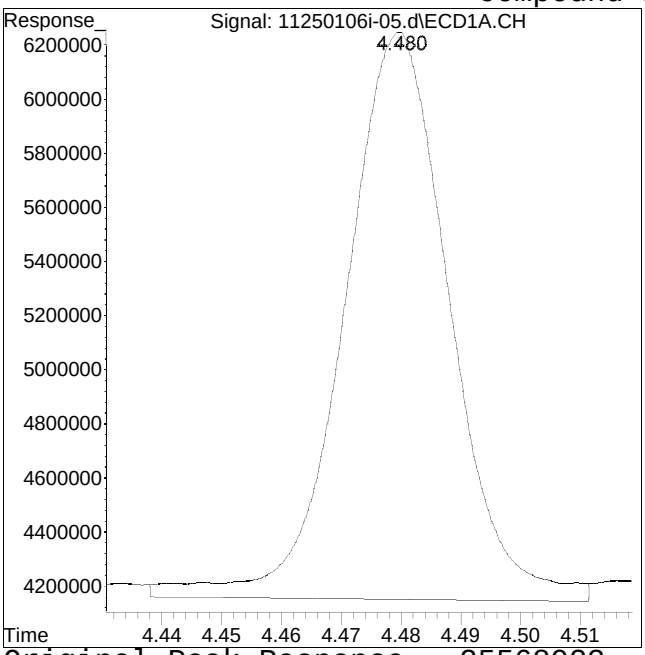
Original Peak Response = 26039902 Manual Peak Response = 18062438 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

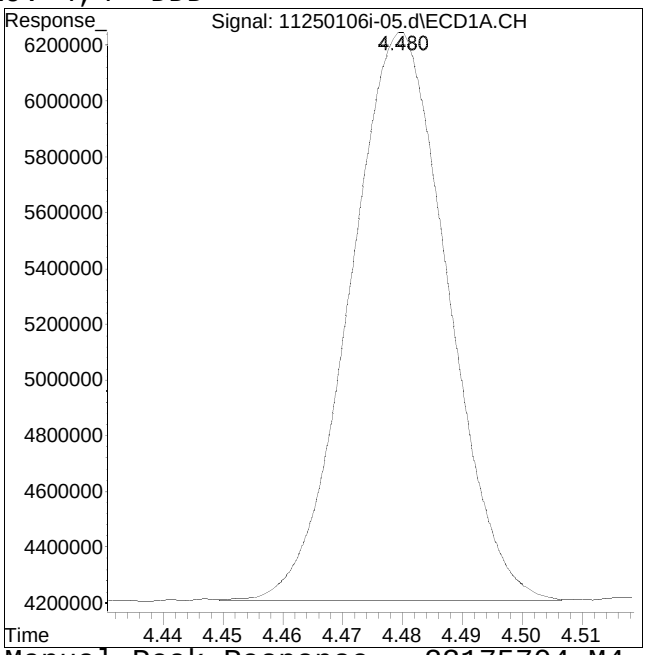
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-05.d
Date Inj'd : 1/6/2025 13:11
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:19 pm

Compound #19: 4,4'-DDD



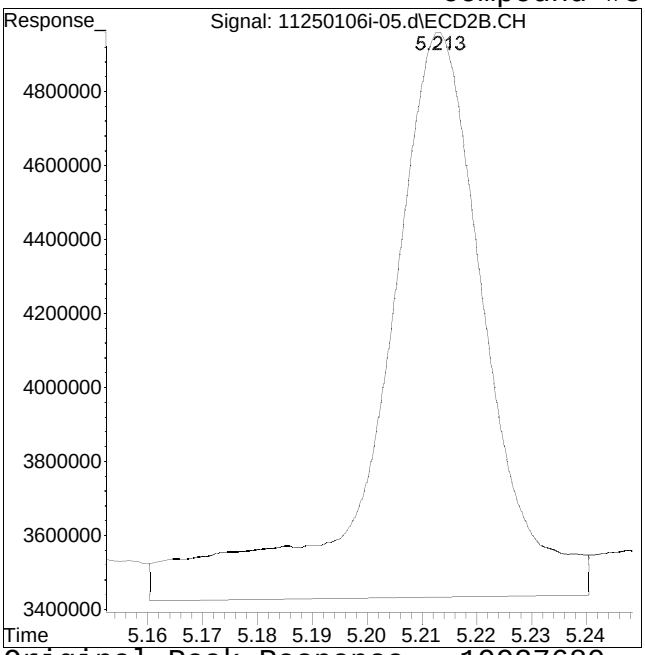


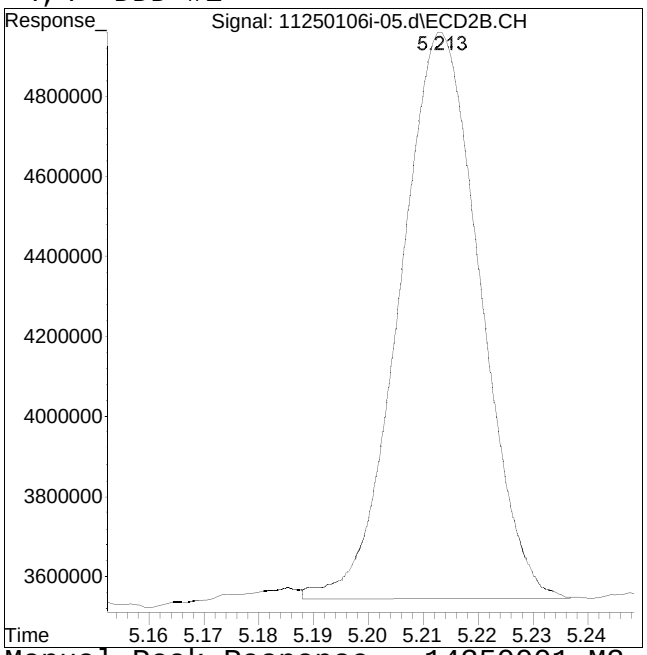
Original Peak Response = 25568923 Manual Peak Response = 23175704 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-05.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:11 Instrument : Pest 11
Sample : il3pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:19 pm

Compound #57: 4,4'-DDD #2





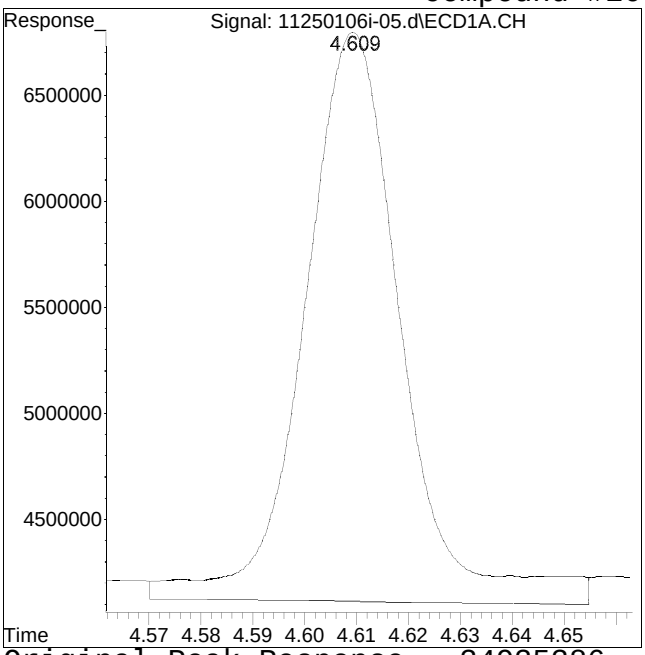
Original Peak Response = 19927680 Manual Peak Response = 14350001 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

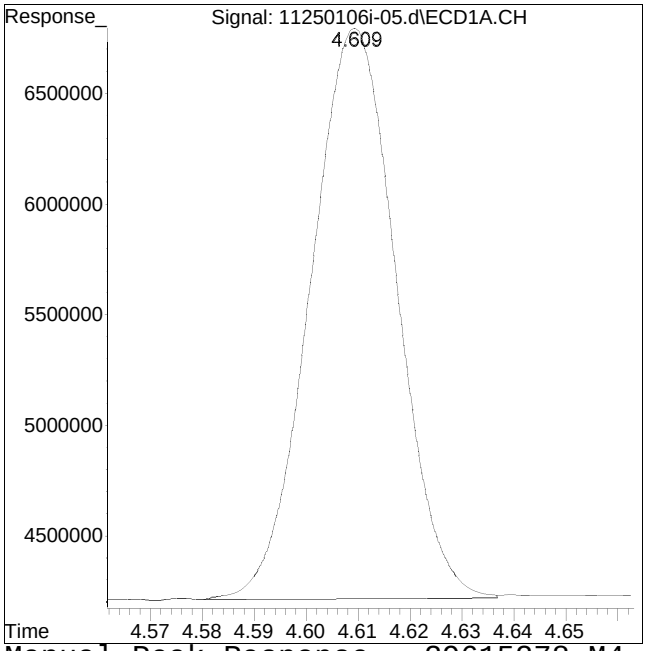
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-05.d
Date Inj'd : 1/6/2025 13:11
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:19 pm

Compound #20: Endosulfan II



Original Peak Response = 34935386



Manual Peak Response = 29615278 M4

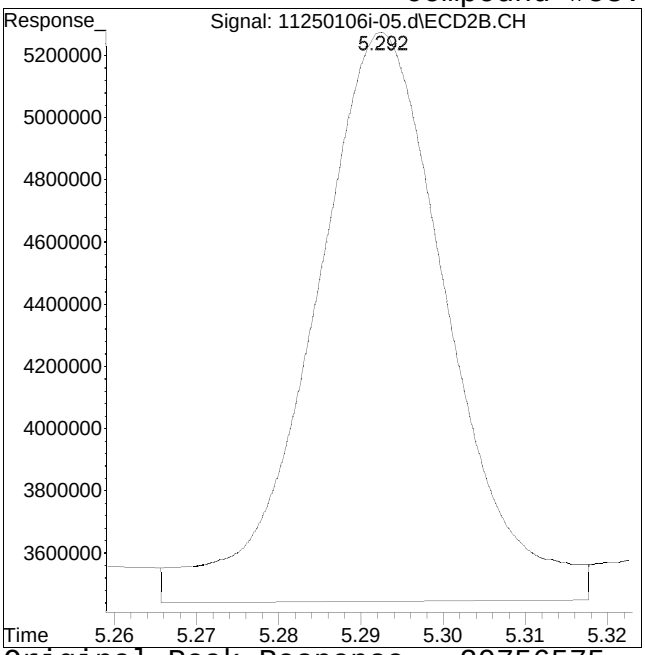
M4 = Poor automated baseline construction.

Manual Integration Report

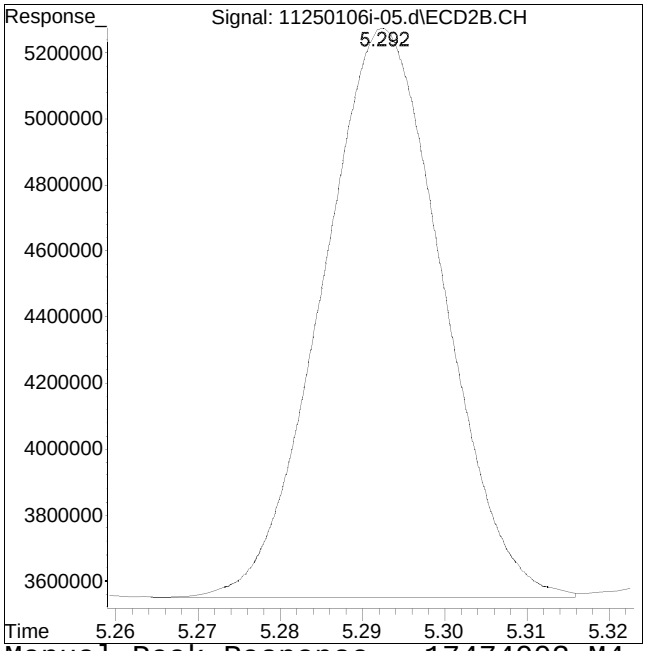
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-05.d
Date Inj'd : 1/6/2025 13:11
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:19 pm

Compound #58: Endosulfan II #2



Original Peak Response = 20756575



Manual Peak Response = 17474003 M4

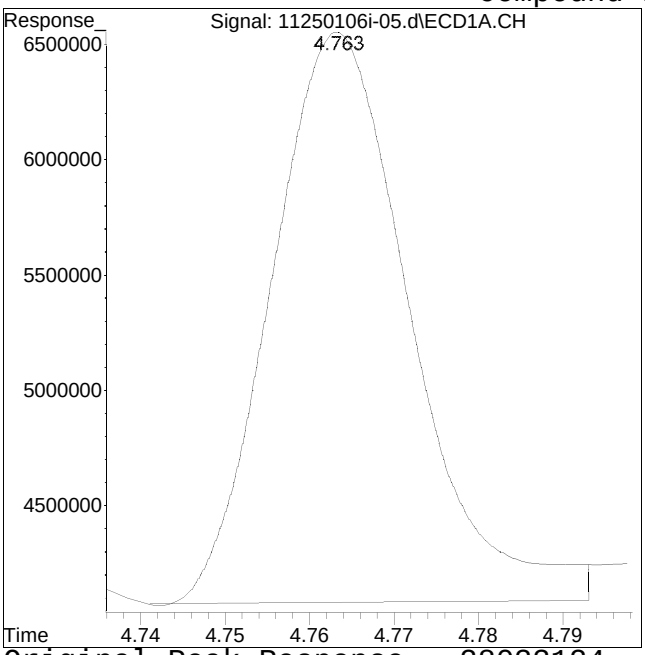
M4 = Poor automated baseline construction.

Manual Integration Report

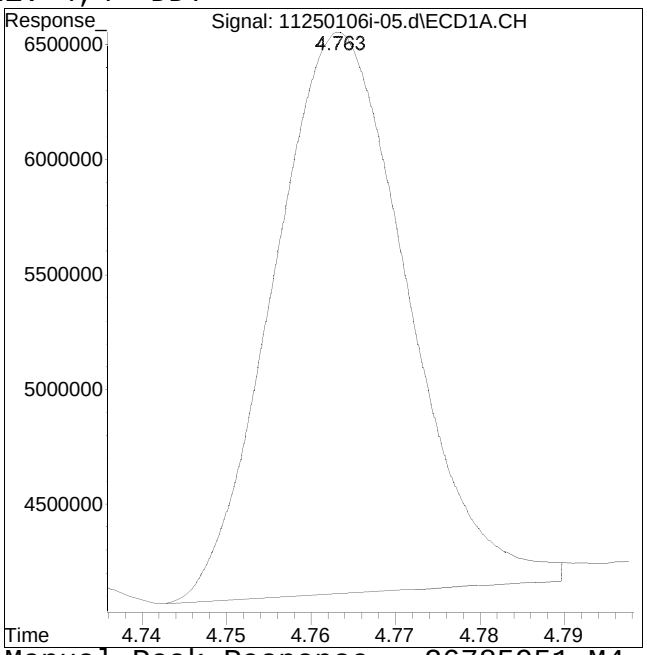
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-05.d
Date Inj'd : 1/6/2025 13:11
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:19 pm

Compound #21: 4,4'-DDT



Original Peak Response = 28033124



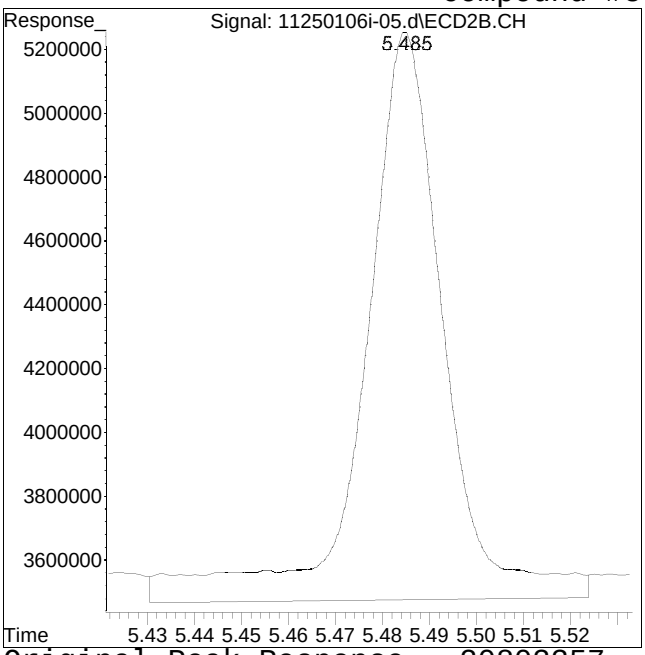
Manual Peak Response = 26785951 M4

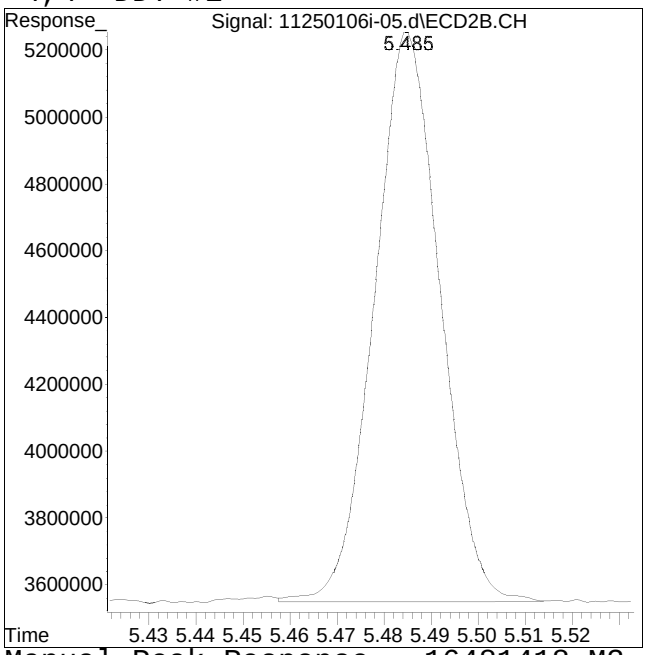
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-05.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:11 Instrument : Pest 11
Sample : il3pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:19 pm

Compound #59: 4,4'-DDT #2



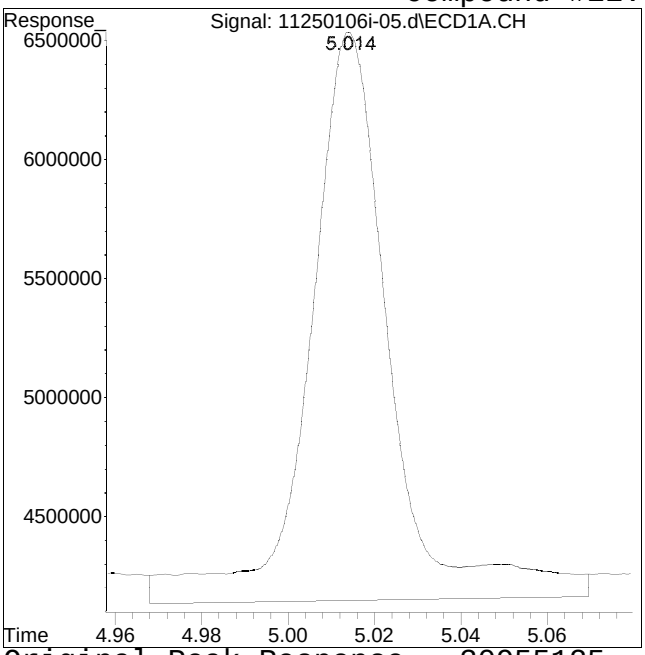


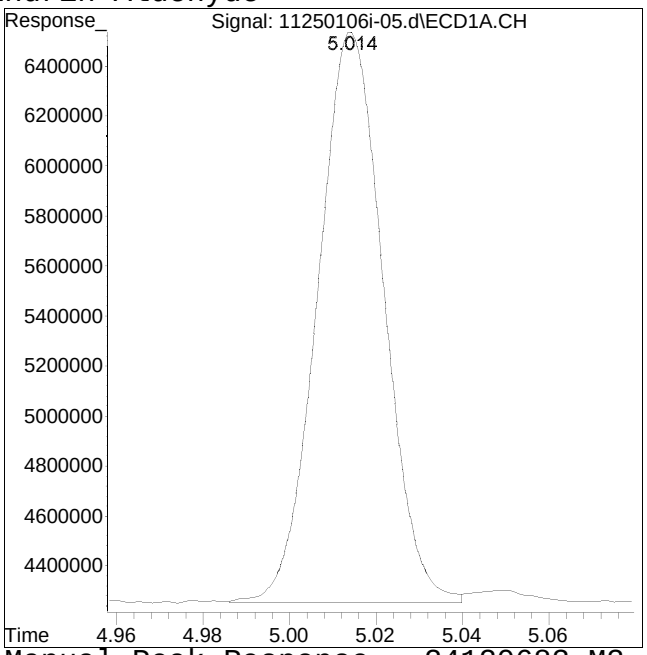
Original Peak Response = 20803357 Manual Peak Response = 16481418 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-05.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:11 Instrument : Pest 11
Sample : il3pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:19 pm

Compound #22: Endrin Aldehyde



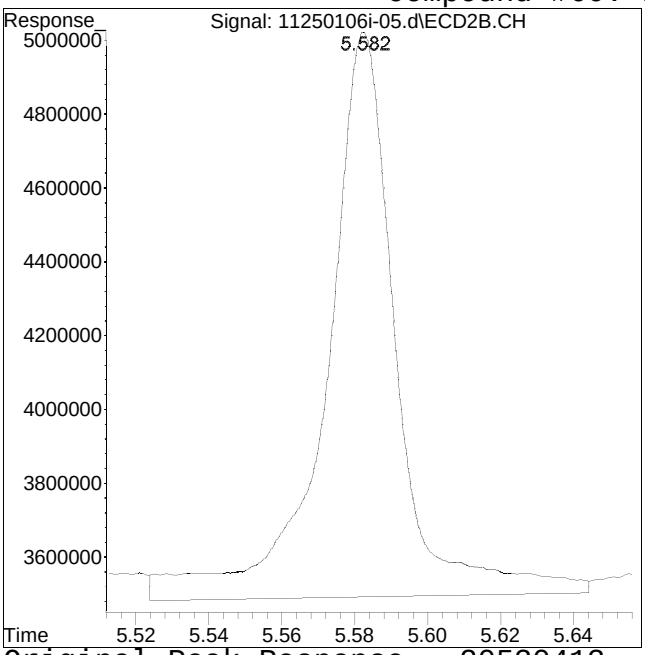


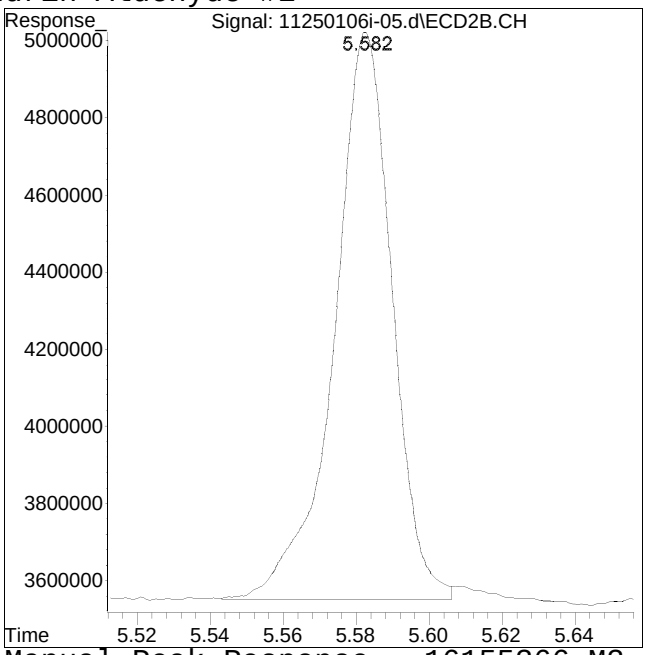
Original Peak Response = 30955125 Manual Peak Response = 24120683 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-05.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:11 Instrument : Pest 11
Sample : il3pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:19 pm

Compound #60: Endrin Aldehyde #2



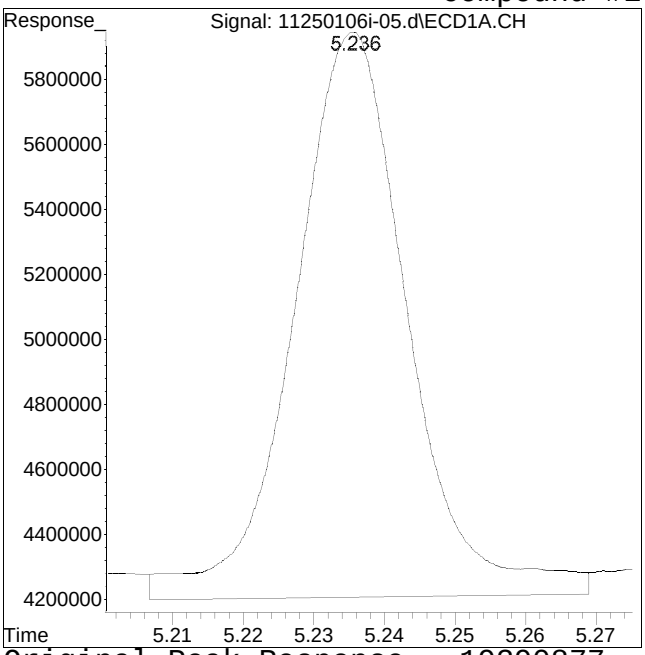


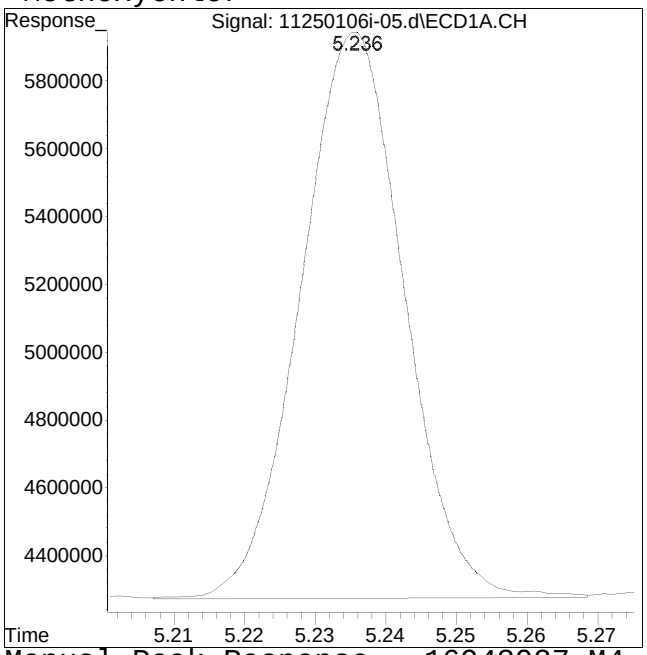
Original Peak Response = 20530413 Manual Peak Response = 16155366 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-05.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:11 Instrument : Pest 11
Sample : il3pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:19 pm

Compound #23: Methoxychlor



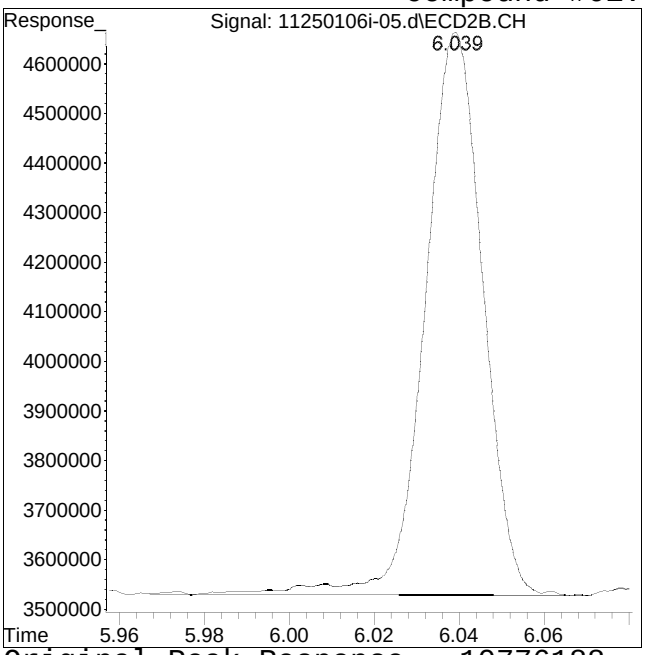


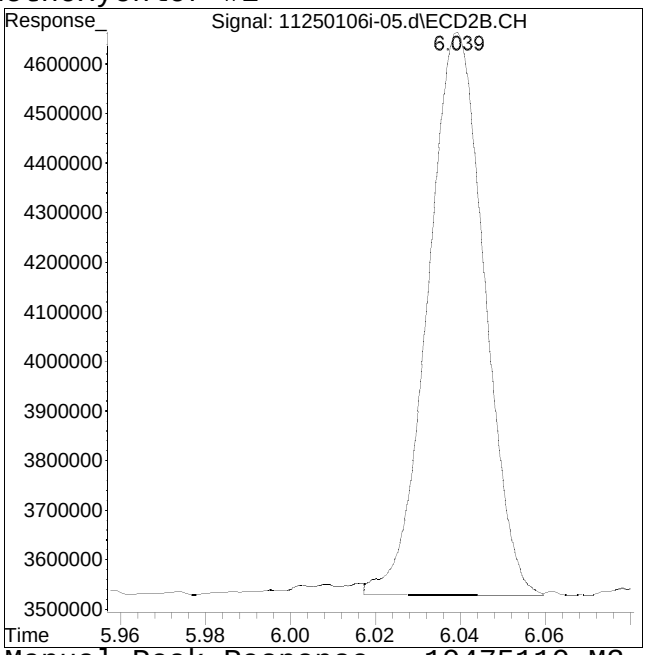
Original Peak Response = 19390877 Manual Peak Response = 16943927 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-05.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:11 Instrument : Pest 11
Sample : il3pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:19 pm

Compound #61: Methoxychlor #2





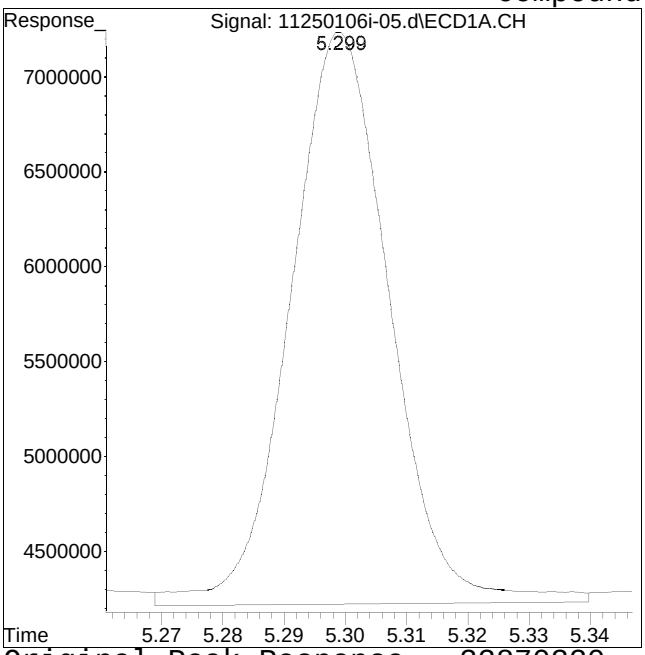
Original Peak Response = 10776188 Manual Peak Response = 10475110 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

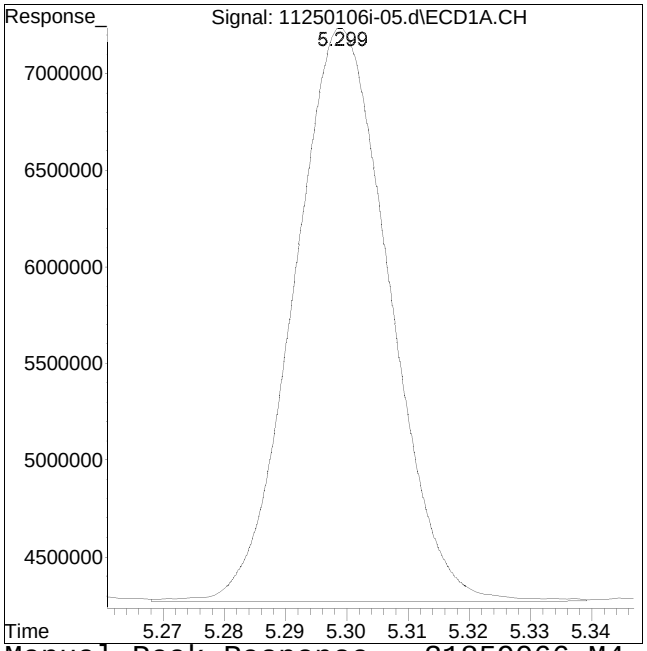
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-05.d
Date Inj'd : 1/6/2025 13:11
Sample : il3pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:19 pm

Compound #24: Mirex



Original Peak Response = 33870330



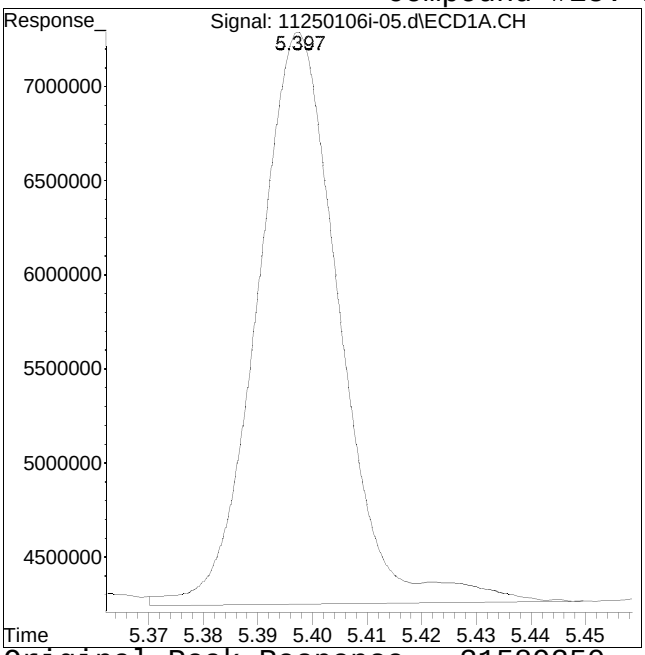
Manual Peak Response = 31859066 M4

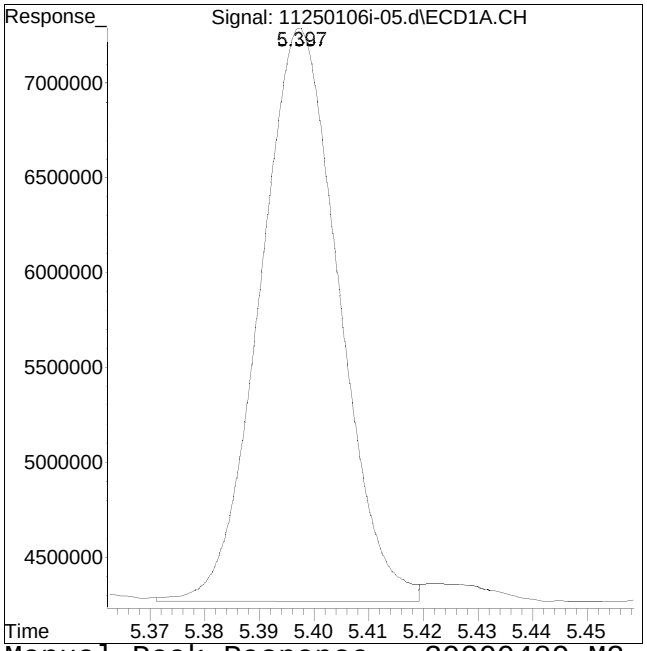
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-05.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:11 Instrument : Pest 11
Sample : il3pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:19 pm

Compound #25: Endosulfan Sulfate



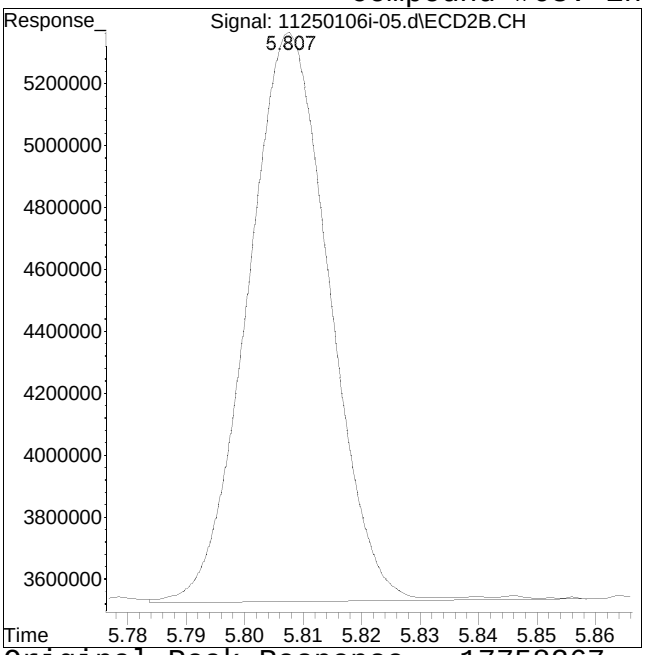


Original Peak Response = 31589250 Manual Peak Response = 30000489 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

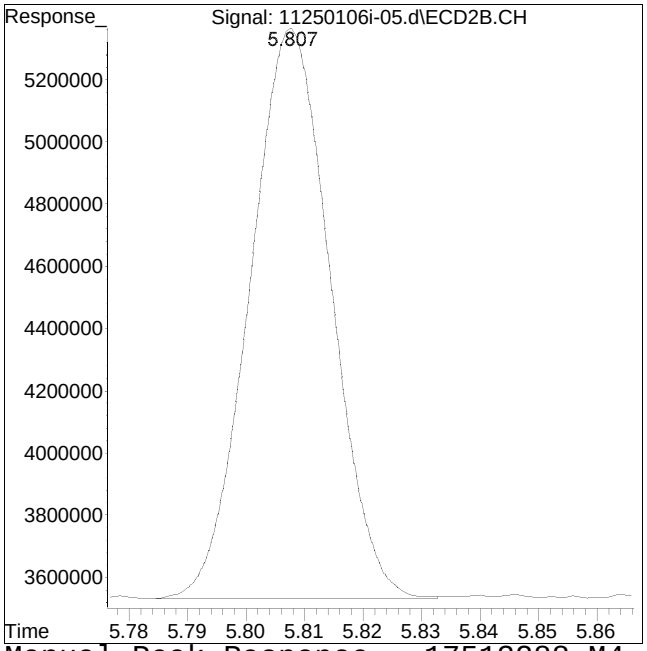
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-05.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:11 Instrument : Pest 11
Sample : il3pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:19 pm

Compound #63: Endosulfan Sulfate #2



Original Peak Response = 17758267



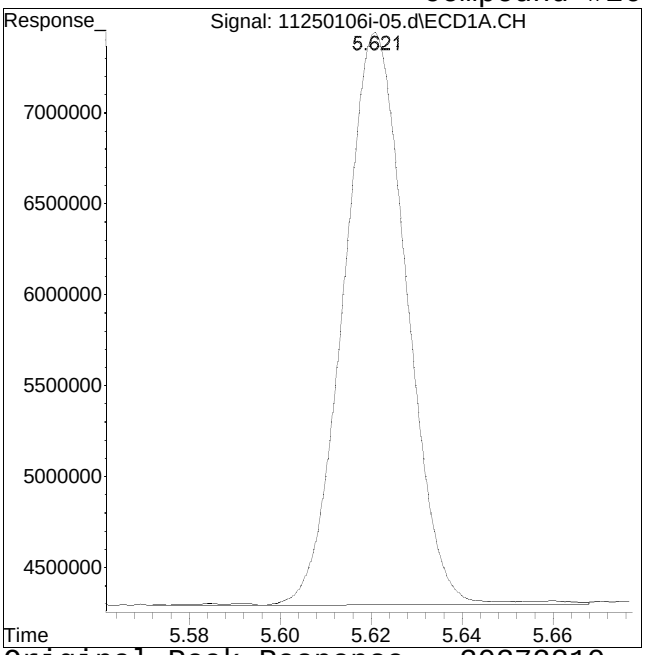
Manual Peak Response = 17513288 M4

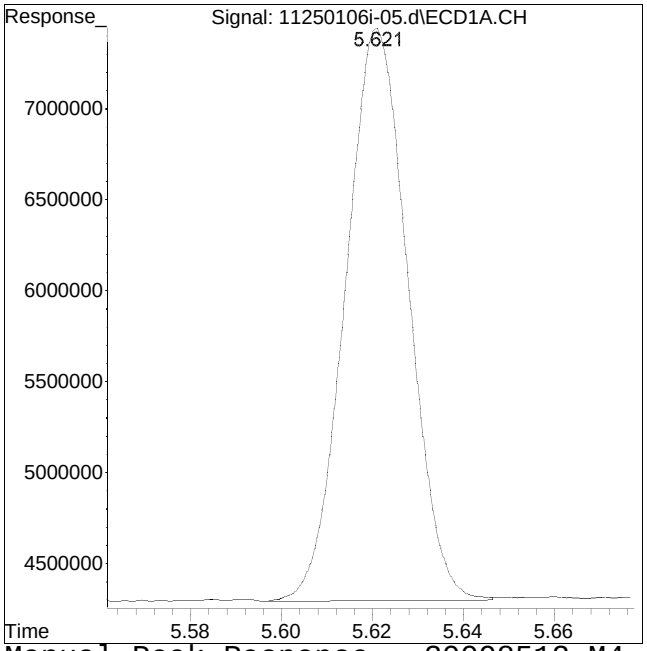
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-05.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:11 Instrument : Pest 11
Sample : il3pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:19 pm

Compound #26: Endrin Ketone



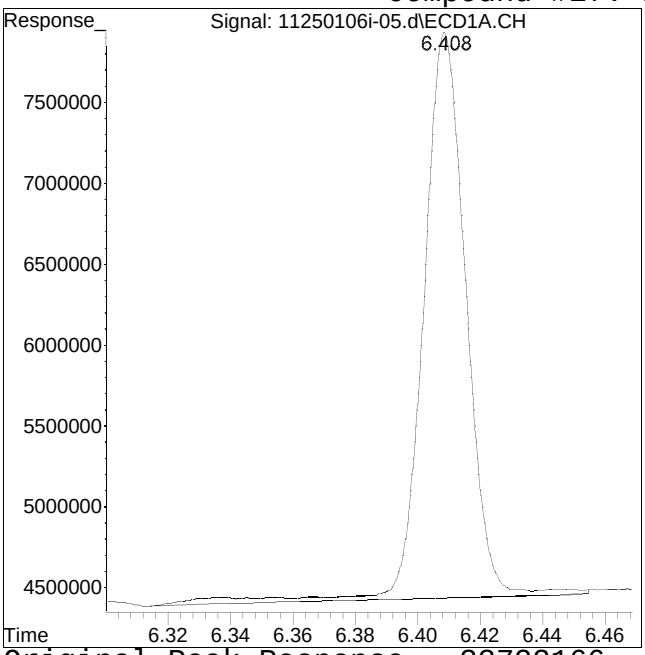


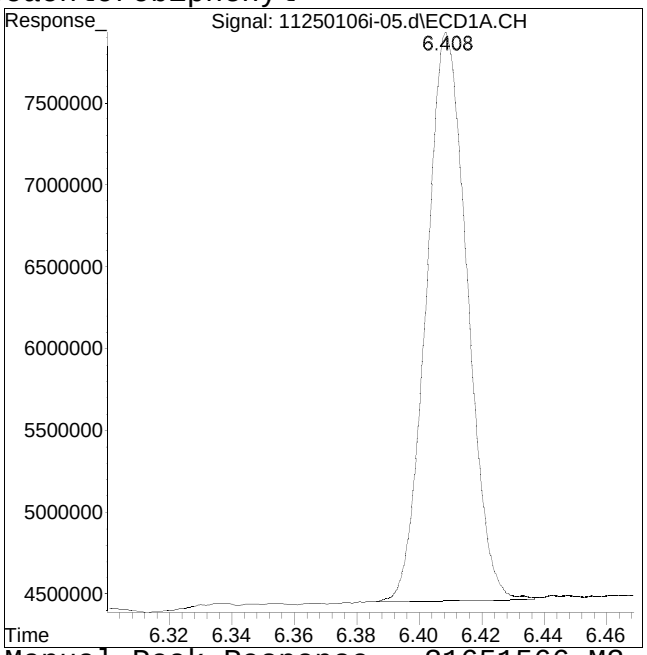
Original Peak Response = 30372210 Manual Peak Response = 30098512 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-05.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:11 Instrument : Pest 11
Sample : il3pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:19 pm

Compound #27: Decachlorobiphenyl



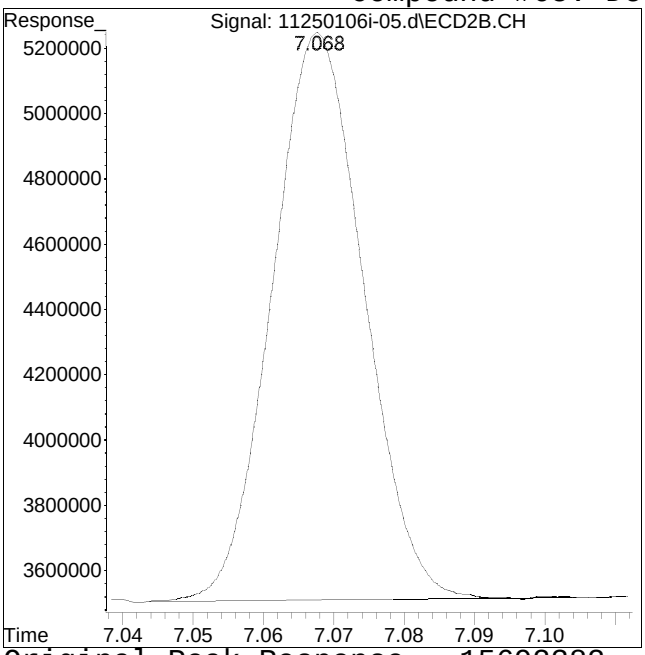


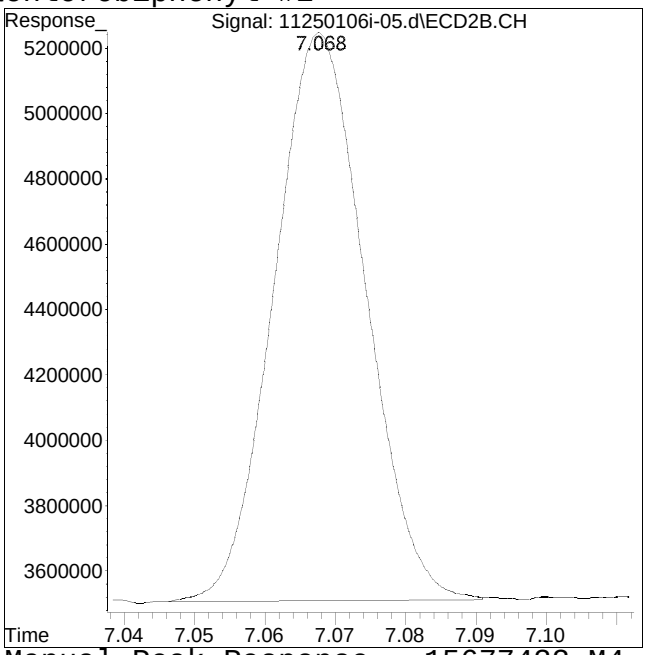
Original Peak Response = 33722166 Manual Peak Response = 31651566 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-05.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:11 Instrument : Pest 11
Sample : il3pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:19 pm

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 15692382 Manual Peak Response = 15677432 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 13:22
Operator : PEST11:akm
Sample : il4pest,42e,,pp 11941 L0.003
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:13:16 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:13:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.377	1.457	326.8E6	190.3E6	25.000M4	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.733	1.960	46155791	24215184	2.914M3	3.115
	Spiked Amount 50.000	Range 30 - 150		Recovery =		5.83%#	6.23%#
27) s	Decachlorobi	6.409	7.068	47832377	22806221	3.320M4	3.455
	Spiked Amount 50.000	Range 30 - 150		Recovery =		6.64%#	6.91%#
	Target Compounds						
3) t	Hexachlorobe	1.956	2.299	52596623	28293901	3.049M4	3.326M4
4) t	alpha-BHC	2.059	2.400	54844644	30674359	2.405M4	2.694
5) t	gamma-BHC (l	2.271	2.700	51706155	29684103	2.534M3	2.835M4
6) t	beta-BHC	2.329	2.767	27284352	16034120	3.056M4	3.467
7) t	delta-BHC	2.463	3.048	51237175	29831760	2.456M4	2.798
8) t	Heptachlor	2.634	3.119	52706920	32488075	2.842M3	3.124M4
9) t	Aldrin	2.886	3.454	49673522	27761716	2.607M3	2.910
10) t	Alachlor	3.010	3.327	8476708	5454443	3.155M3	3.619M4
11) t	Chlorpyrifos	3.105	3.696	31329146	19961277	3.291M4	3.699M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 13:22
Operator : PEST11:akm
Sample : il4pest,42e,,pp 11941 L0.003
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:13:16 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:13:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.452	4.092	49945097	29918284	2.856	3.230M4
13)	t	gamma-Chlord	3.580	4.313	47465235	26014680	2.830M4	3.103M3
14)	t	alpha-Chlord	3.718	4.473	53820655	29091994	2.814M4	3.127M4
15)	t	4,4'-DDE	3.816	4.658	45740017	25508483	2.492M3	2.827M4
16)	t	Endosulfan I	3.859	4.532	47628388	27218270	2.830M4	3.180M4
17)	t	Dieldrin	4.127	4.811	47612308	26079162	2.701M4	2.981M4
18)	t	Endrin	4.378	5.101	46282025	25920624	2.689M4	2.925M3
19)	t	4,4'-DDD	4.480	5.214	35028148	20659006	2.542M4	2.859M3
20)	t	Endosulfan I	4.609	5.293	44627923	25065945	2.848M4	3.169M4
21)	t	4,4'-DDT	4.763	5.486	39717431	23813950	2.720M4	2.911M3
22)	t	Endrin Aldeh	5.014	5.583	36828398	23053359	2.818M3	3.373M3
23)	t	Methoxychlor	5.235	6.040	25221499	15138404	3.249M4	3.436M3
24)	t	Mirex	5.299	6.186	46814336	24768576	3.273M4	3.702M4
25)	t	Endosulfan S	5.398	5.808	44732593	25047440	2.868M3	3.247M3
26)	t	Endrin Keton	5.621	6.217	45459938	25640348	2.939M4	3.117M4
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 13:22
Operator : PEST11:akm
Sample : il4pest,42e,,pp 11941 L0.003
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:13:16 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:13:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

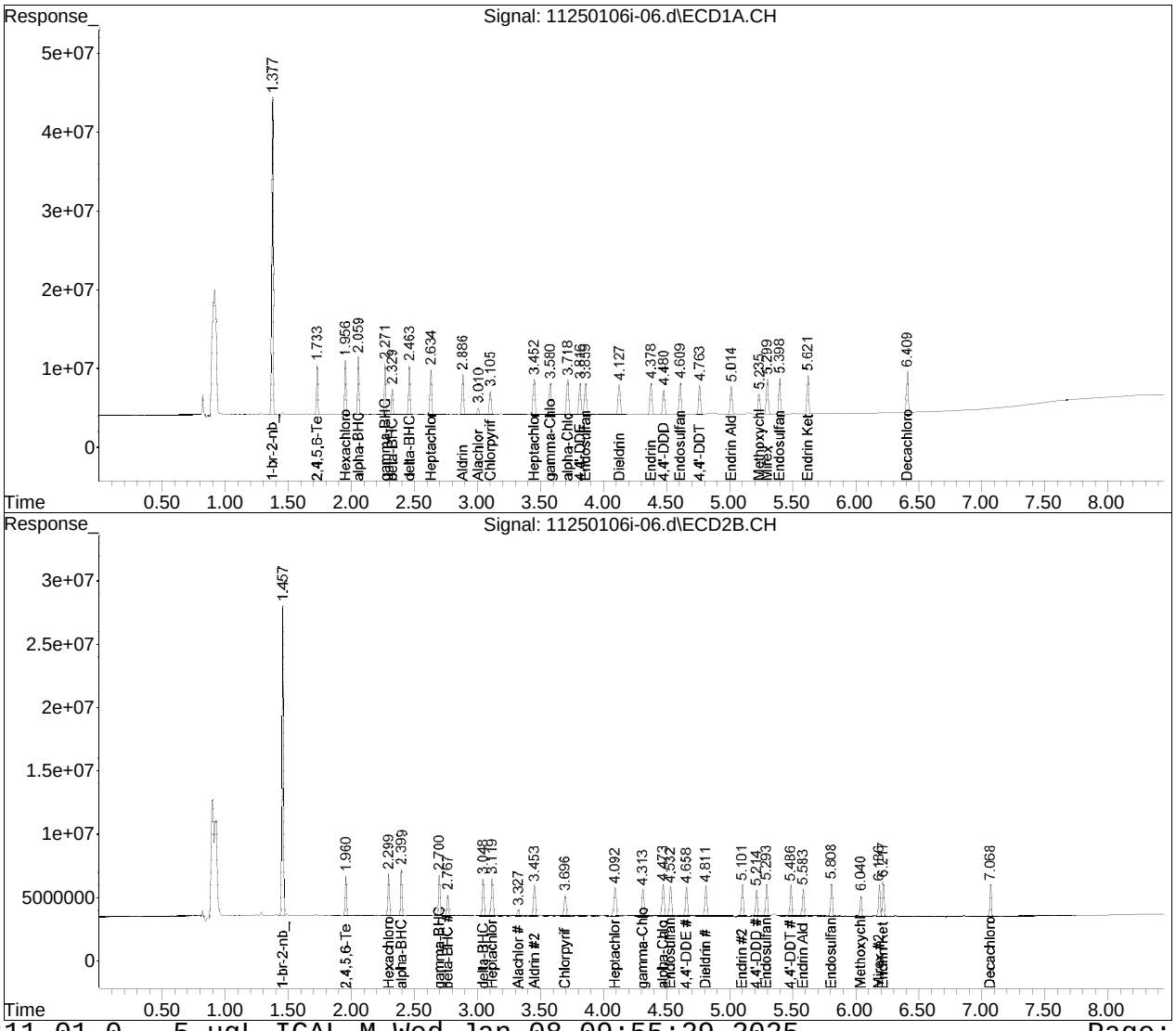
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 13:22
Operator : PEST11:akm
Sample : il4pest,42e,,pp 11941 L0.003
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:13:16 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:13:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

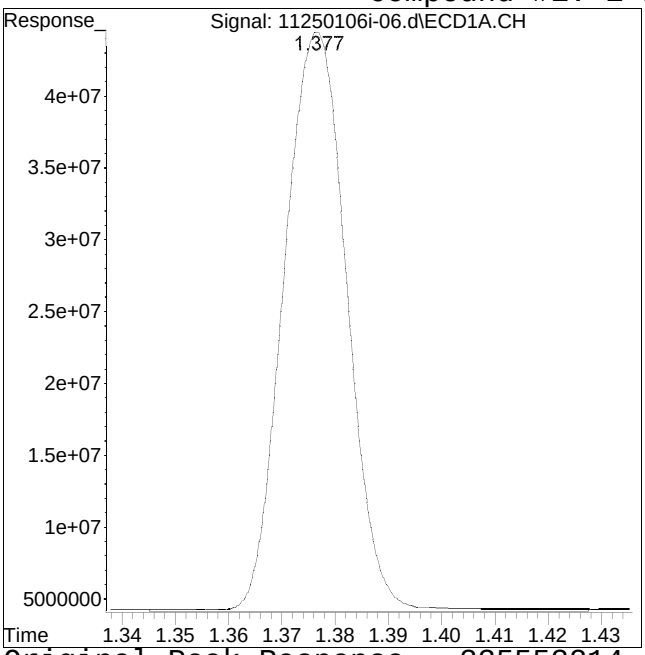


Manual Integration Report

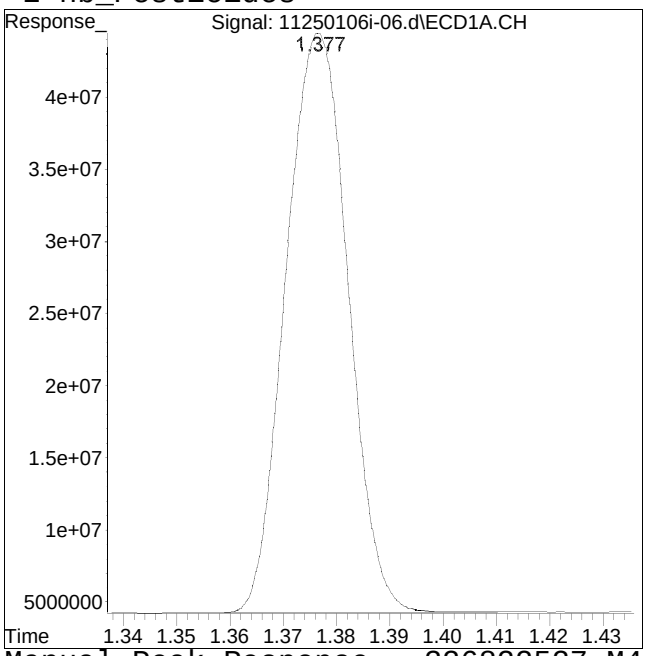
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-06.d
Date Inj'd : 1/6/2025 13:22
Sample : il4pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:13 pm

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 335553214



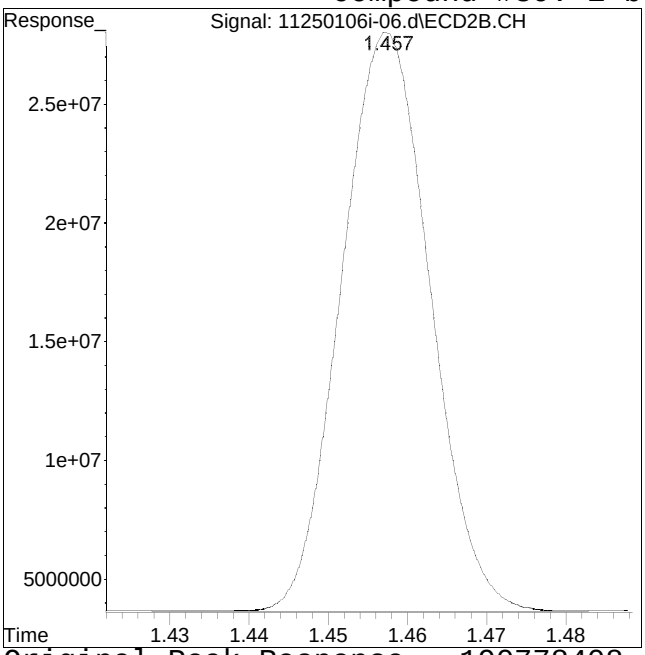
Manual Peak Response = 326822527 M4

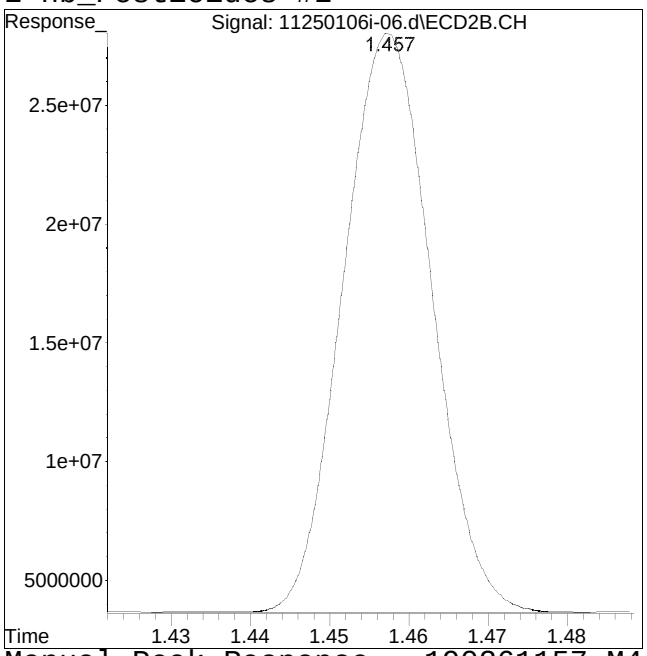
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-06.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:22 Instrument : Pest 11
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:13 pm

Compound #39: 1-br-2-nb_Pesticides #2



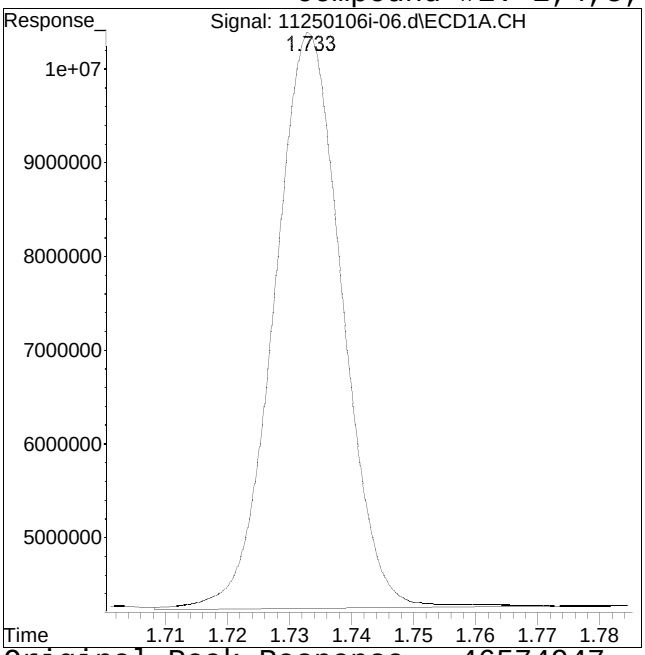


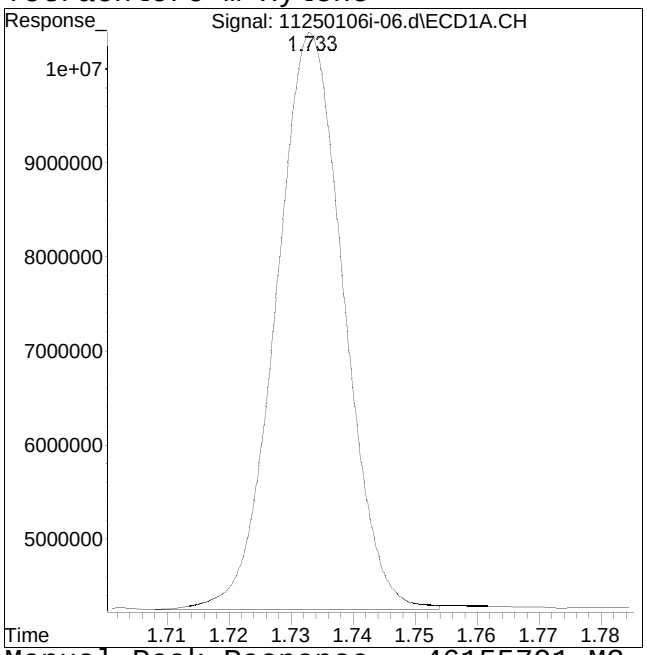
Original Peak Response = 190778408 Manual Peak Response = 190261157 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-06.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:22 Instrument : Pest 11
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:13 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



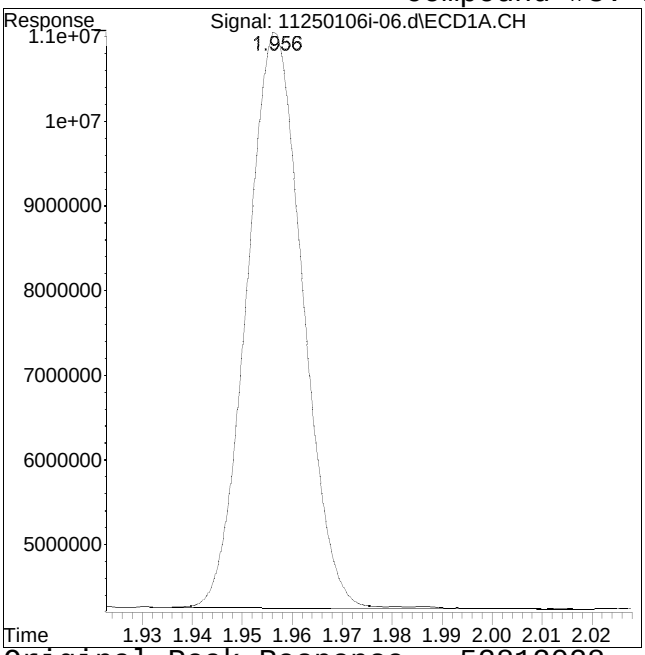


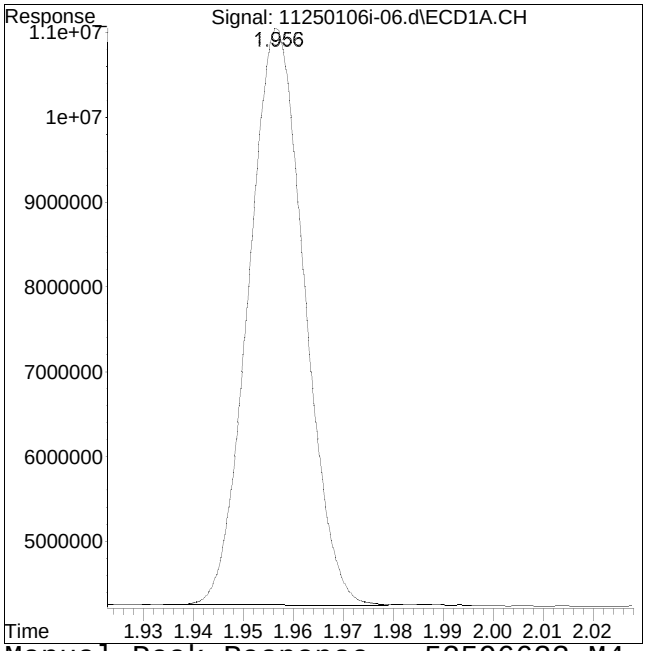
Original Peak Response = 46574947 Manual Peak Response = 46155791 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-06.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:22 Instrument : Pest 11
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:13 pm

Compound #3: Hexachlorobenzene



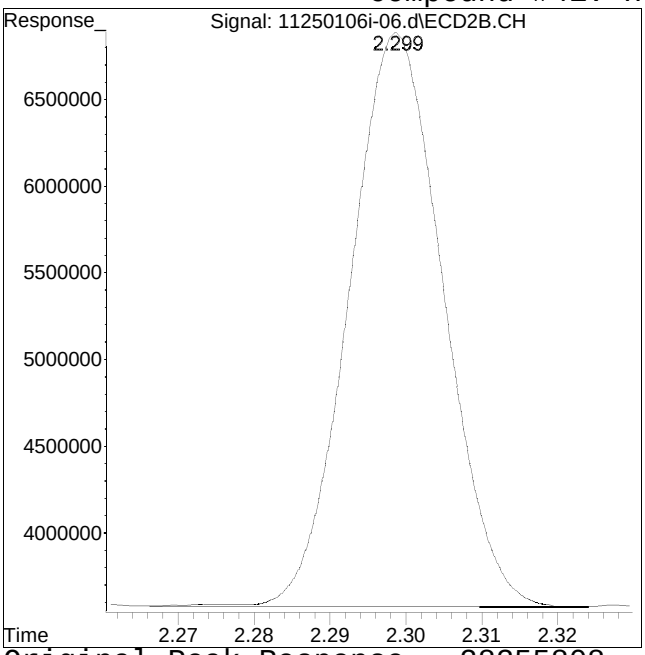


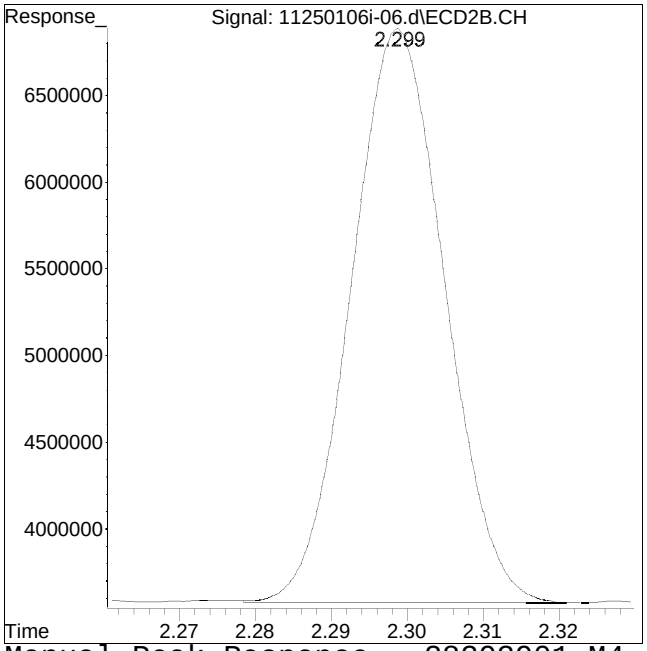
Original Peak Response = 52812028 Manual Peak Response = 52596623 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-06.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:22 Instrument : Pest 11
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:13 pm

Compound #41: Hexachlorobenzene #2



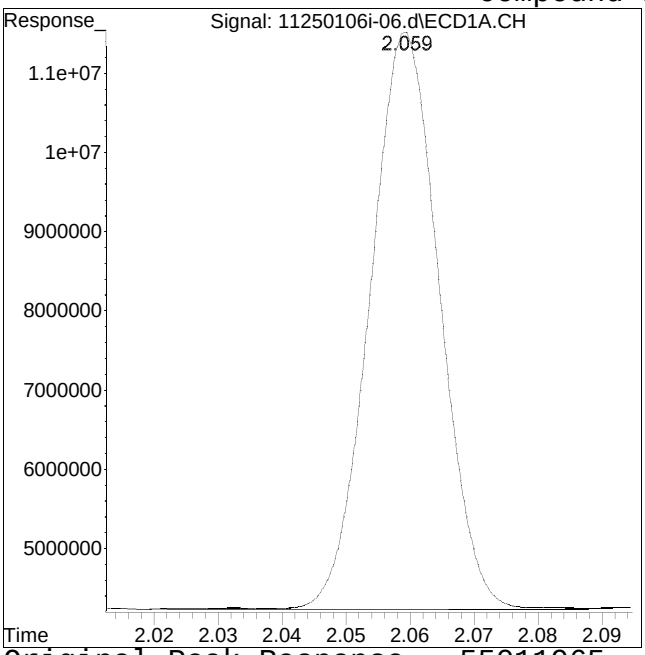


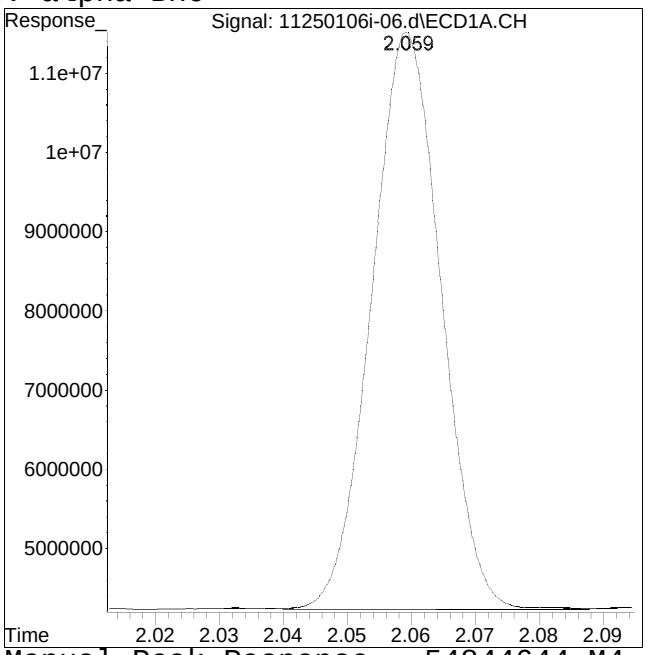
Original Peak Response = 28355808 Manual Peak Response = 28293901 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-06.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:22 Instrument : Pest 11
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:13 pm

Compound #4: alpha-BHC



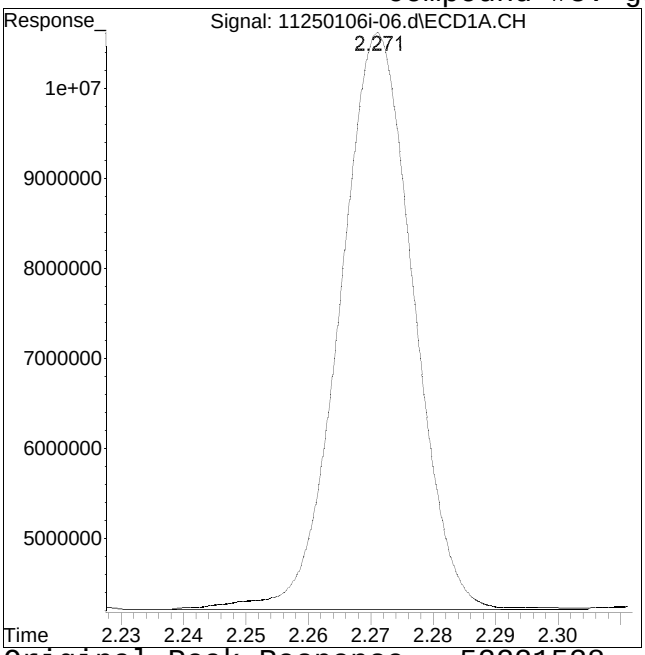


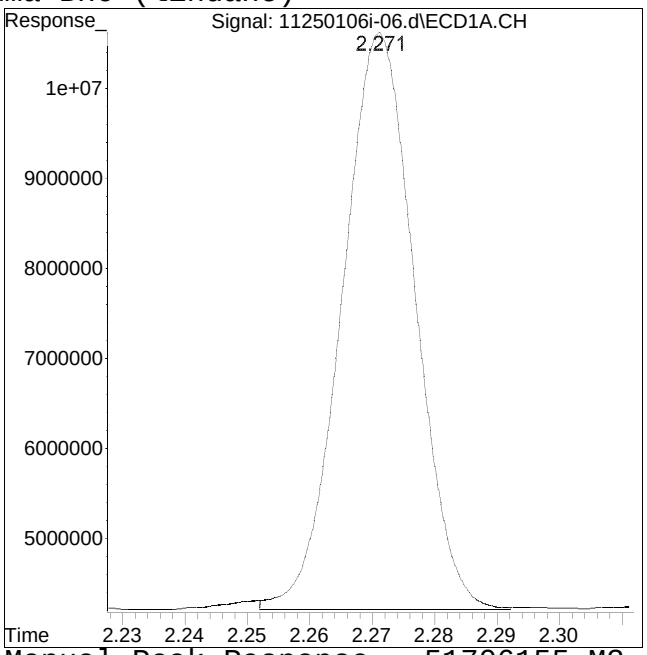
Original Peak Response = 55011965 Manual Peak Response = 54844644 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-06.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:22 Instrument : Pest 11
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:13 pm

Compound #5: gamma-BHC (lindane)



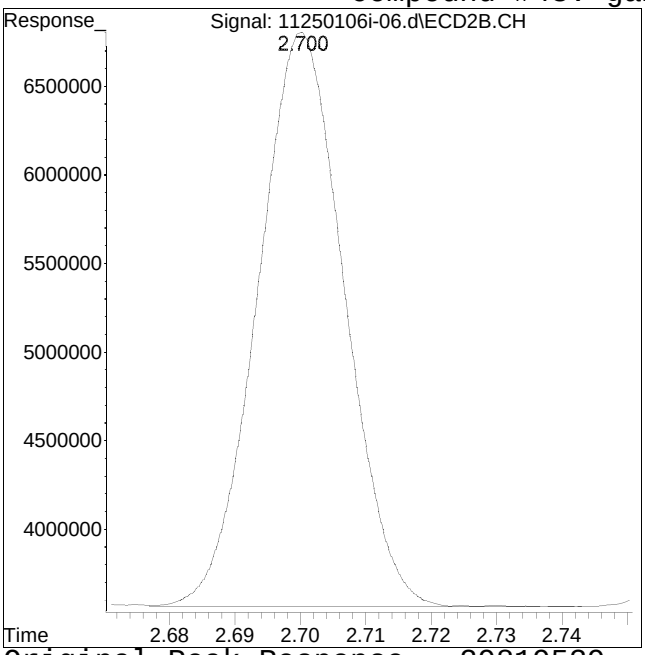


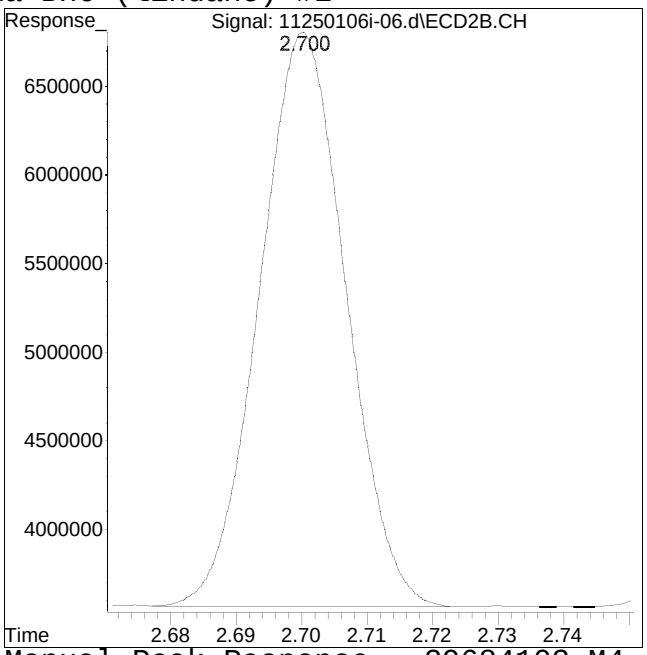
Original Peak Response = 52221538 Manual Peak Response = 51706155 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-06.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:22 Instrument : Pest 11
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:13 pm

Compound #43: gamma-BHC (lindane) #2



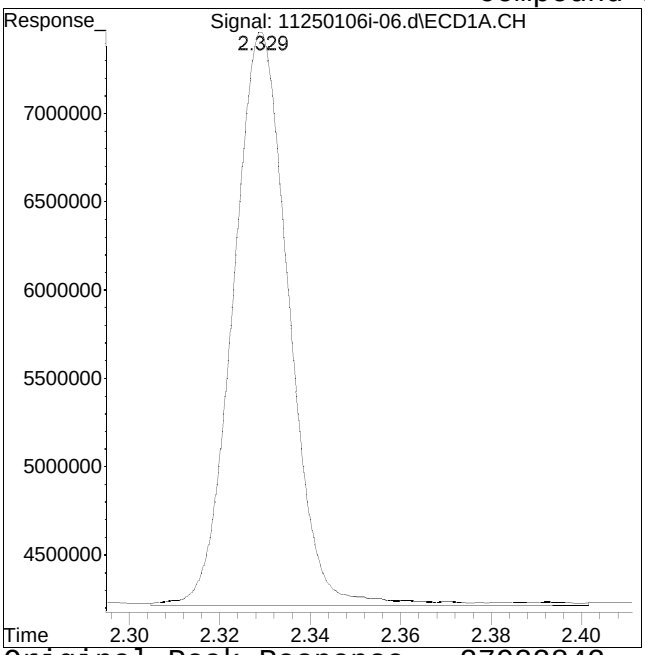


Original Peak Response = 29819539 Manual Peak Response = 29684103 M4
M4 = Poor automated baseline construction.

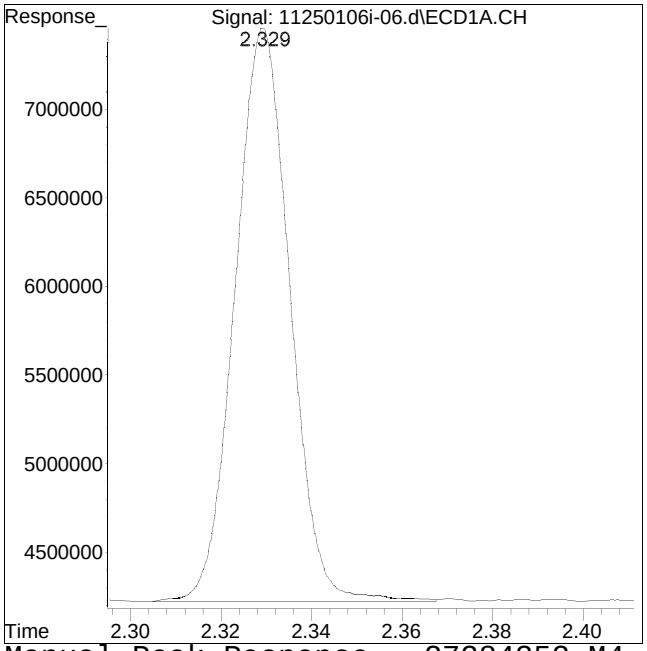
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-06.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:22 Instrument : Pest 11
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:13 pm

Compound #6: beta-BHC



Original Peak Response = 27922842



Manual Peak Response = 27284352 M4

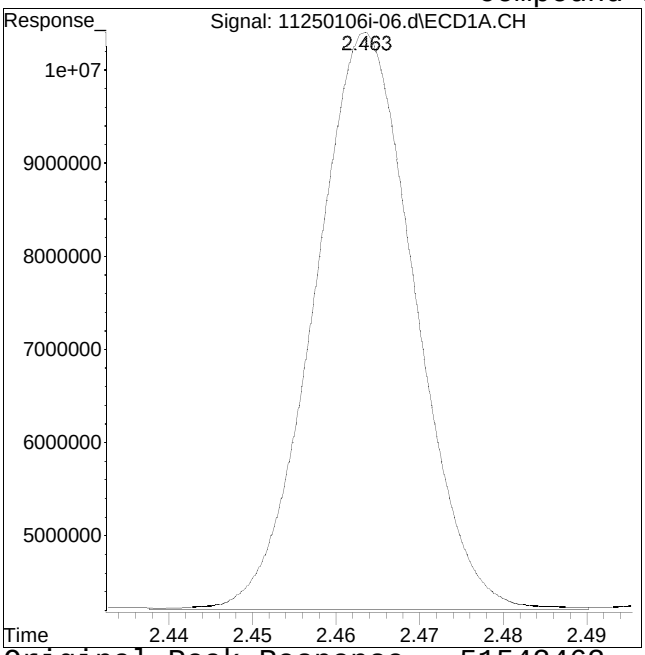
M4 = Poor automated baseline construction.

Manual Integration Report

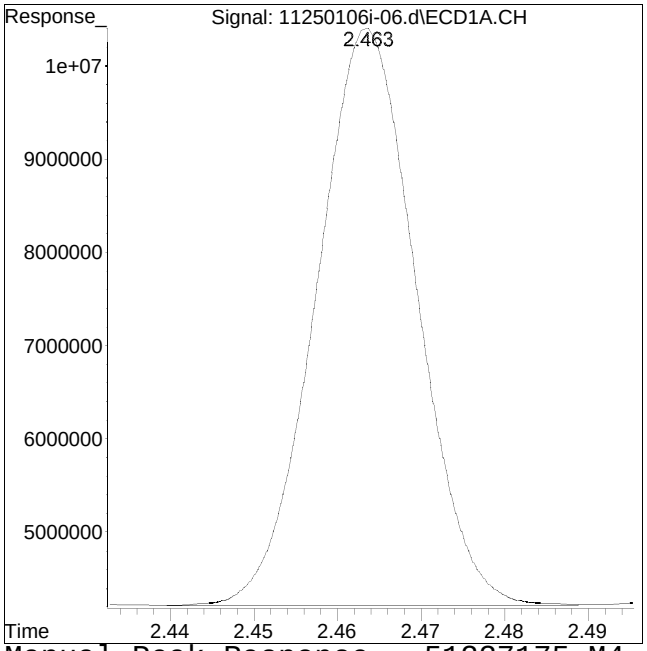
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-06.d
Date Inj'd : 1/6/2025 13:22
Sample : il4pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:13 pm

Compound #7: delta-BHC



Original Peak Response = 51542462



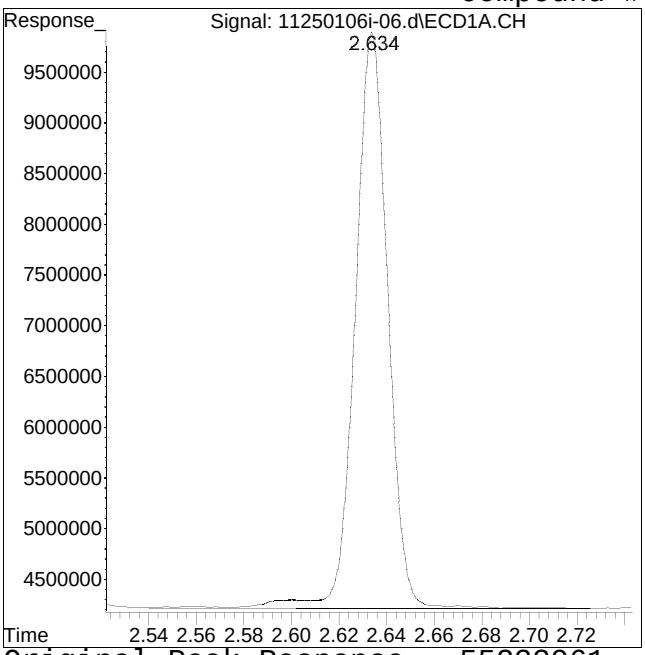
Manual Peak Response = 51237175 M4

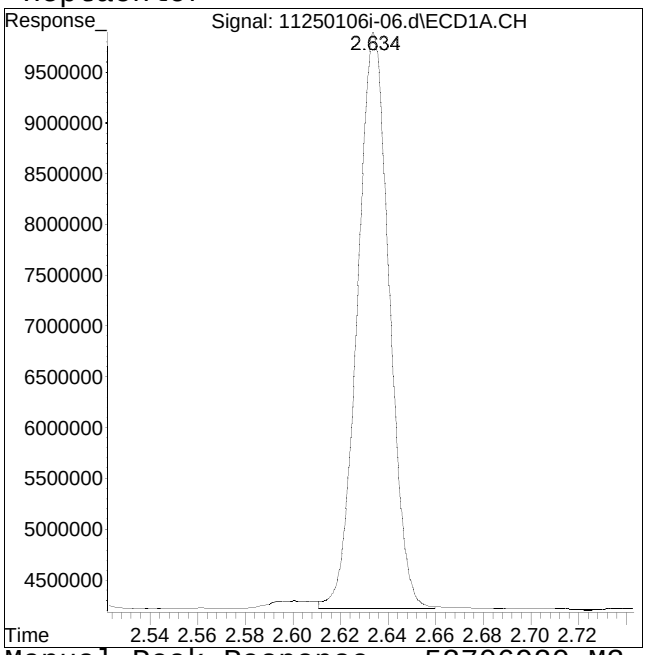
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-06.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:22 Instrument : Pest 11
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:13 pm

Compound #8: Heptachlor





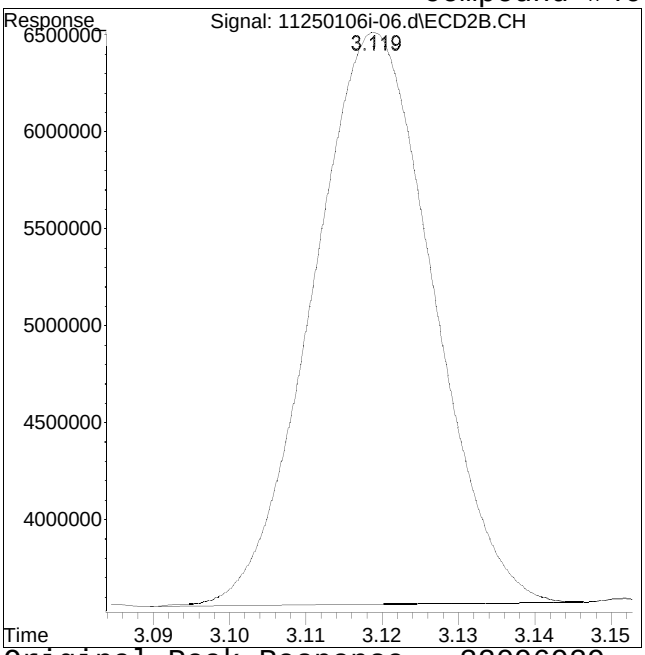
Original Peak Response = 55233961 Manual Peak Response = 52706920 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

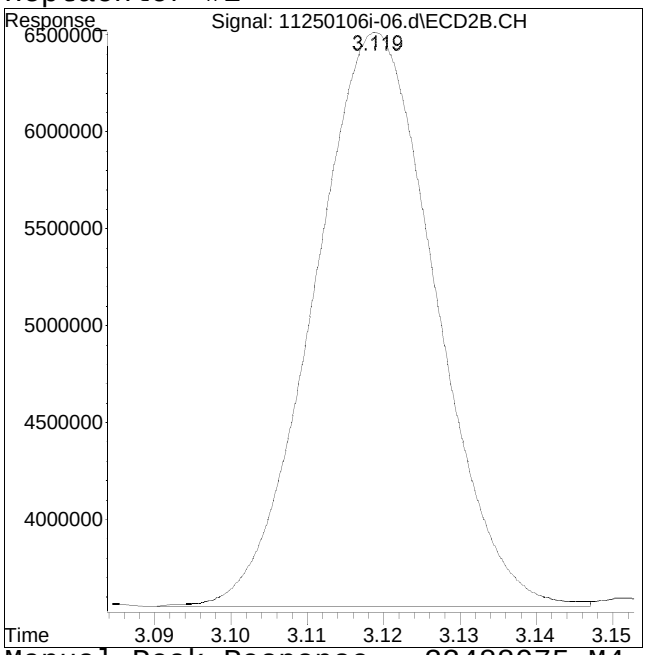
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-06.d
Date Inj'd : 1/6/2025 13:22
Sample : il4pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:13 pm

Compound #46: Heptachlor #2



Original Peak Response = 32096939



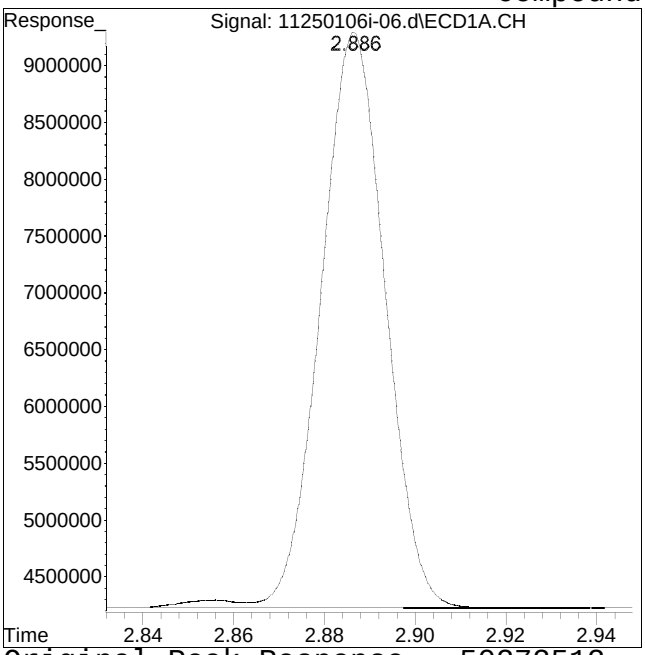
Manual Peak Response = 32488075 M4

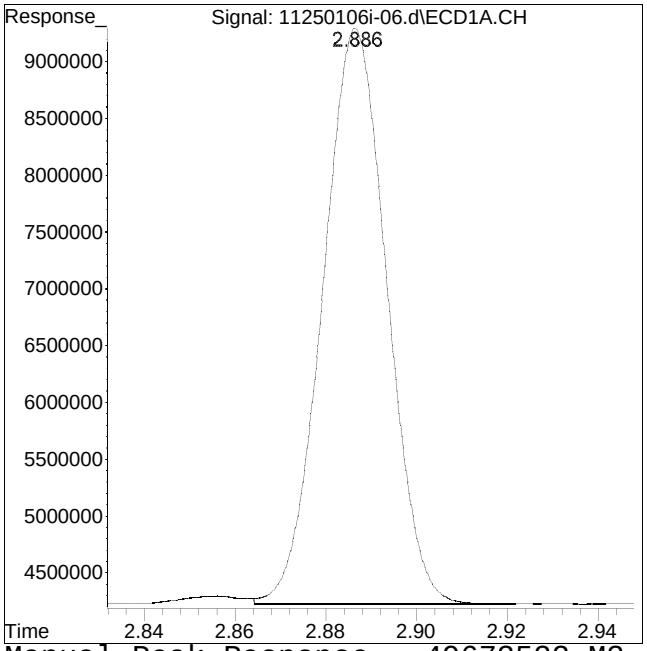
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-06.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:22 Instrument : Pest 11
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:13 pm

Compound #9: Aldrin





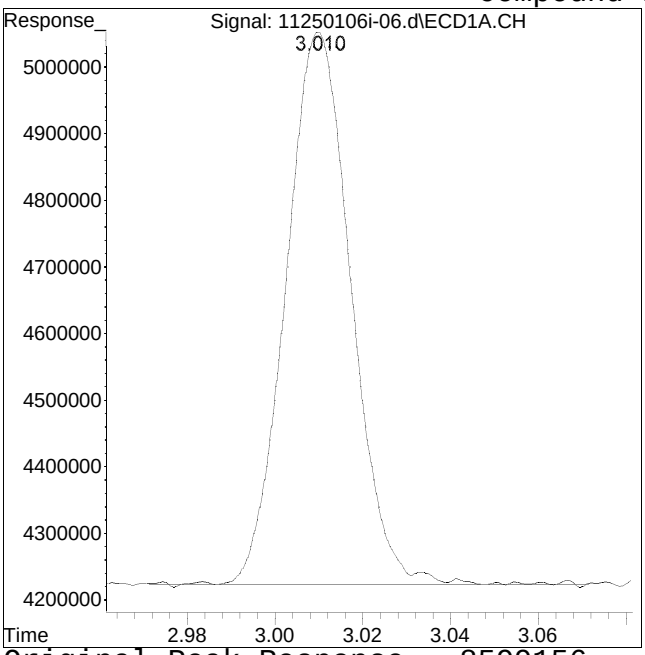
Original Peak Response = 50272512 Manual Peak Response = 49673522 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

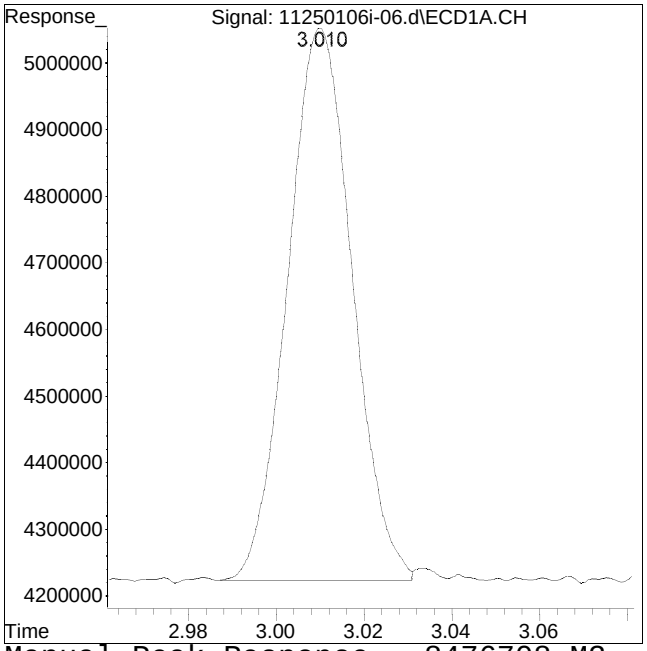
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-06.d
Date Inj'd : 1/6/2025 13:22
Sample : il4pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:13 pm

Compound #10: Alachlor





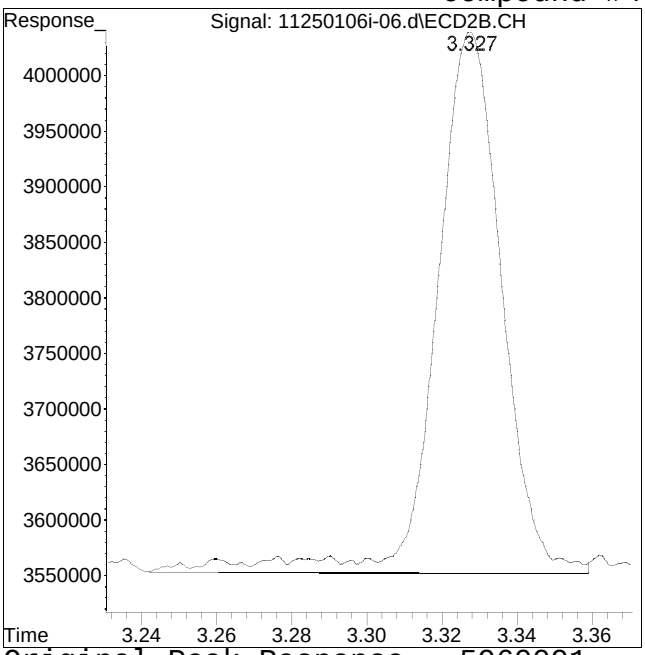
Original Peak Response = 8599156 Manual Peak Response = 8476708 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

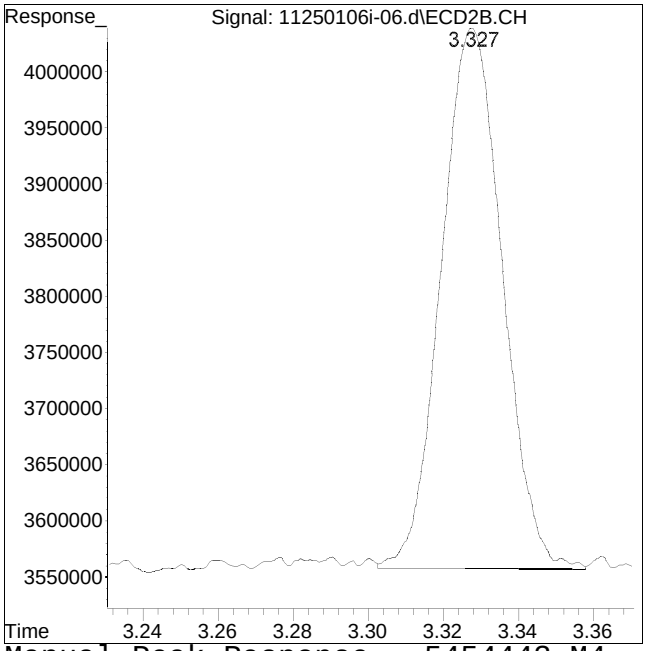
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-06.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:22 Instrument : Pest 11
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:13 pm

Compound #48: Alachlor #2



Original Peak Response = 5960091



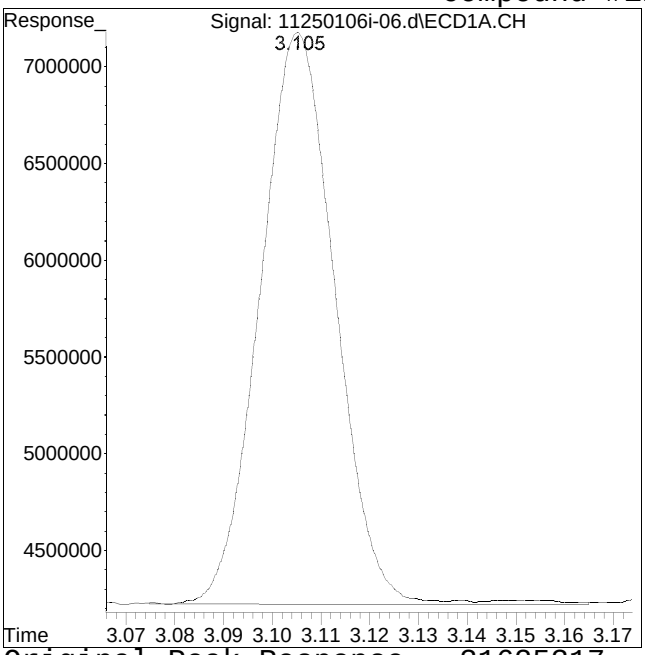
Manual Peak Response = 5454443 M4

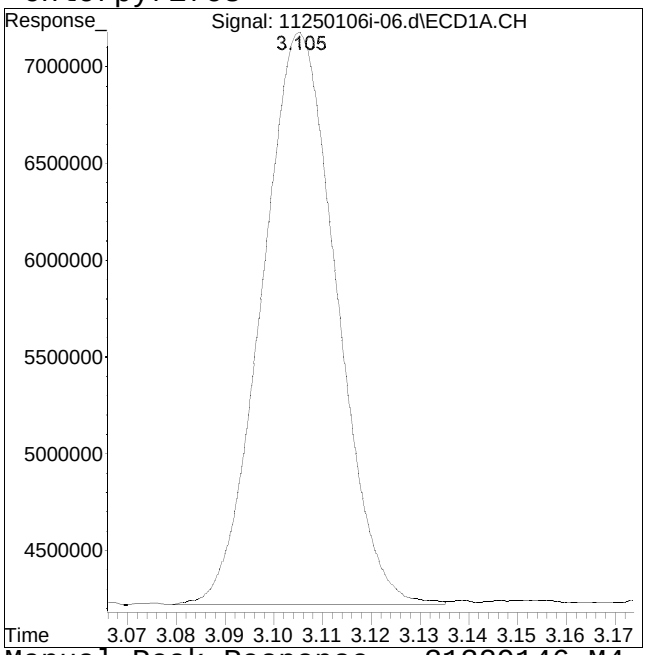
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-06.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:22 Instrument : Pest 11
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:13 pm

Compound #11: Chlorpyrifos





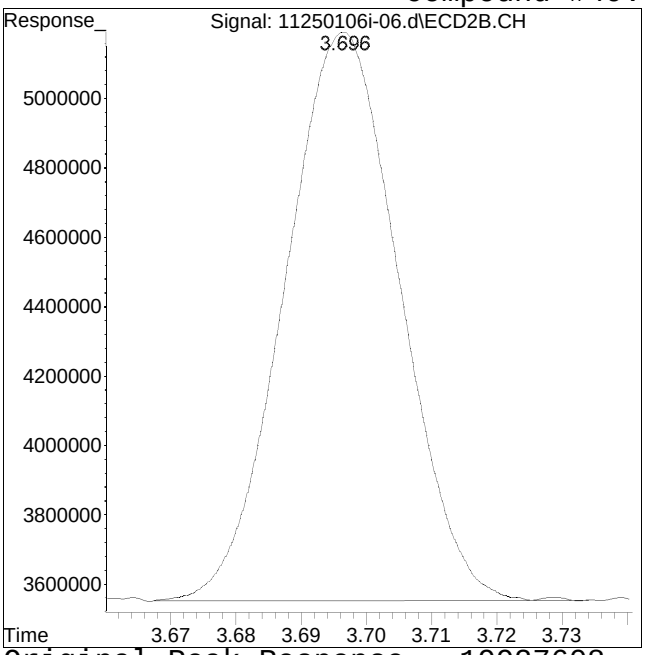
Original Peak Response = 31625317 Manual Peak Response = 31329146 M4
M4 = Poor automated baseline construction.

Manual Integration Report

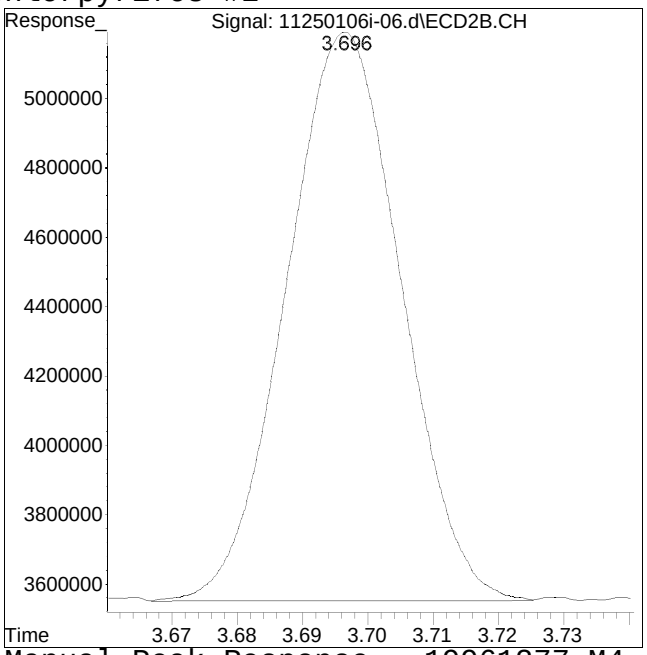
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-06.d
Date Inj'd : 1/6/2025 13:22
Sample : il4pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:13 pm

Compound #49: Chlorpyrifos #2



Original Peak Response = 19927608



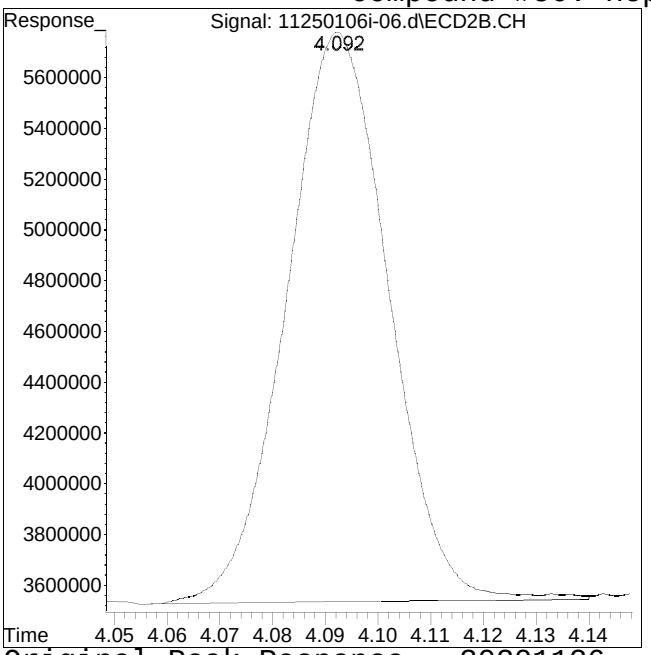
Manual Peak Response = 19961277 M4

M4 = Poor automated baseline construction.

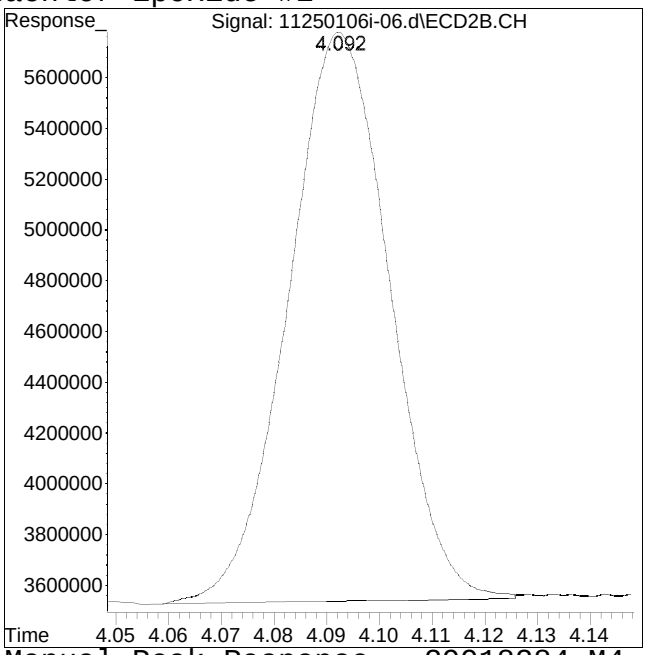
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-06.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:22 Instrument : Pest 11
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:13 pm

Compound #50: Heptachlor Epoxide #2



Original Peak Response = 30201126



Manual Peak Response = 29918284 M4

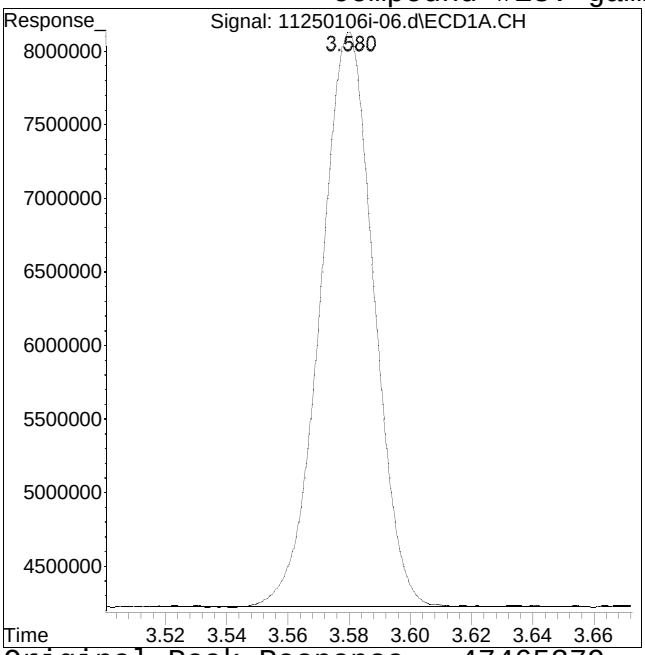
M4 = Poor automated baseline construction.

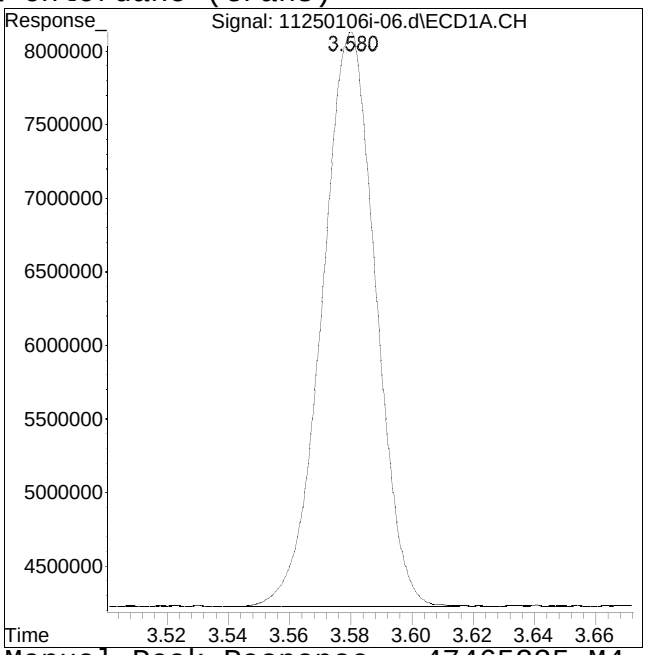
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-06.d
Date Inj'd : 1/6/2025 13:22
Sample : il4pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:13 pm

Compound #13: gamma-Chlordane (trans)



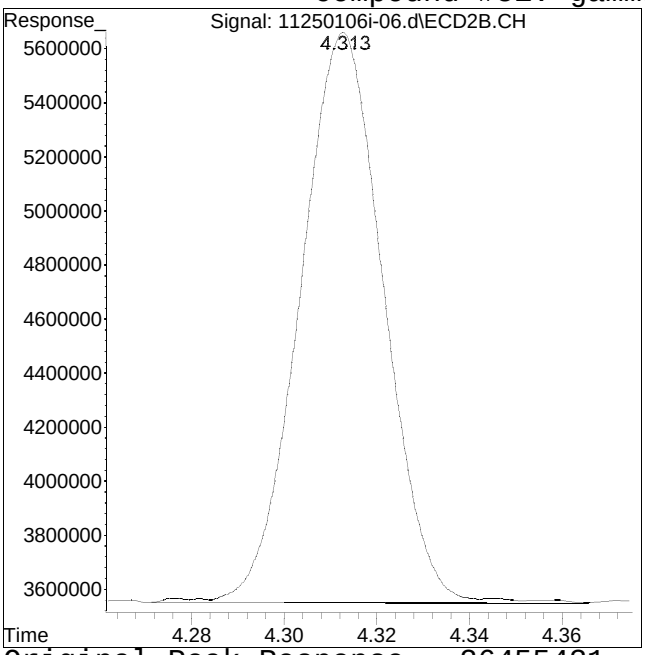


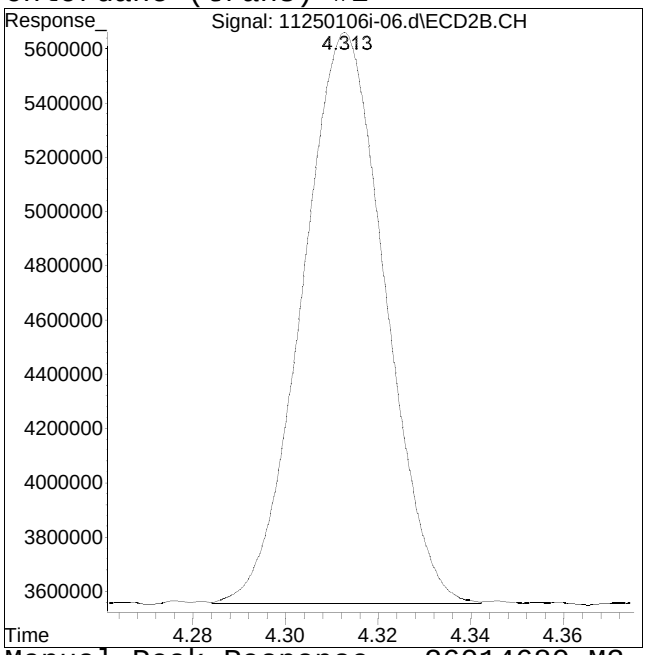
Original Peak Response = 47465379 Manual Peak Response = 47465235 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-06.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:22 Instrument : Pest 11
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:13 pm

Compound #51: gamma-Chlordane (trans) #2



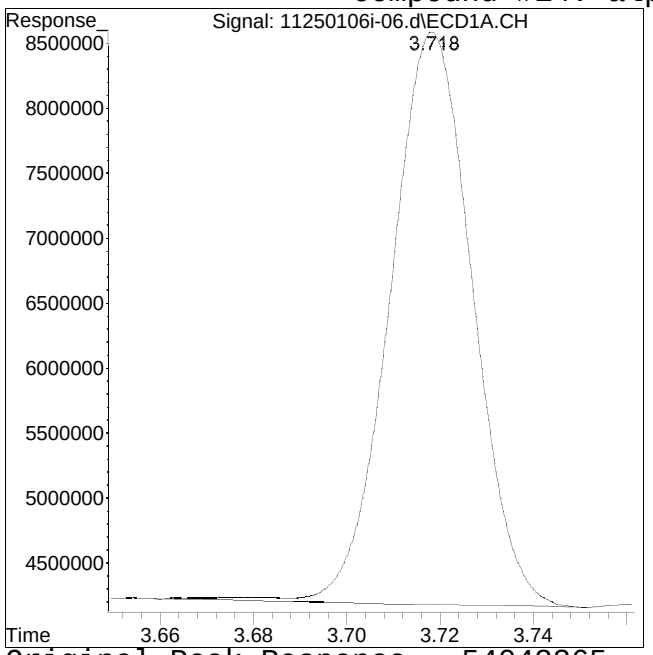


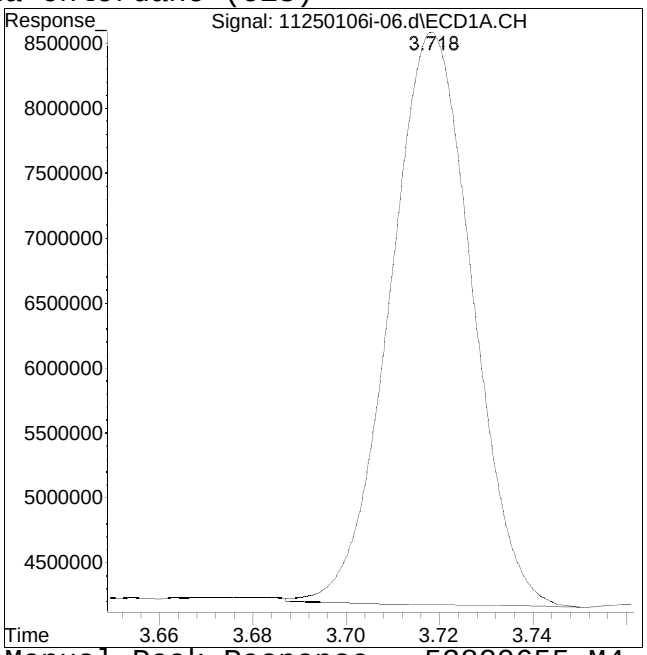
Original Peak Response = 26455431 Manual Peak Response = 26014680 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-06.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:22 Instrument : Pest 11
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:13 pm

Compound #14: alpha-Chlordane (cis)





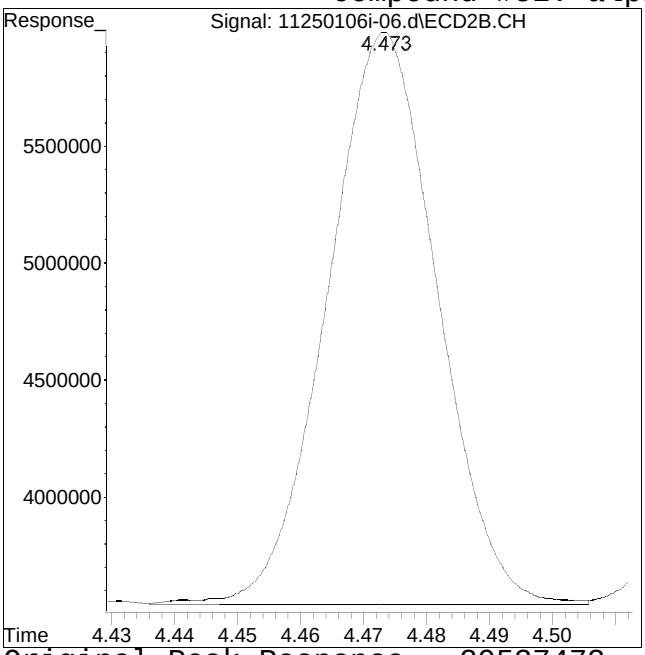
Original Peak Response = 54043365 Manual Peak Response = 53820655 M4
M4 = Poor automated baseline construction.

Manual Integration Report

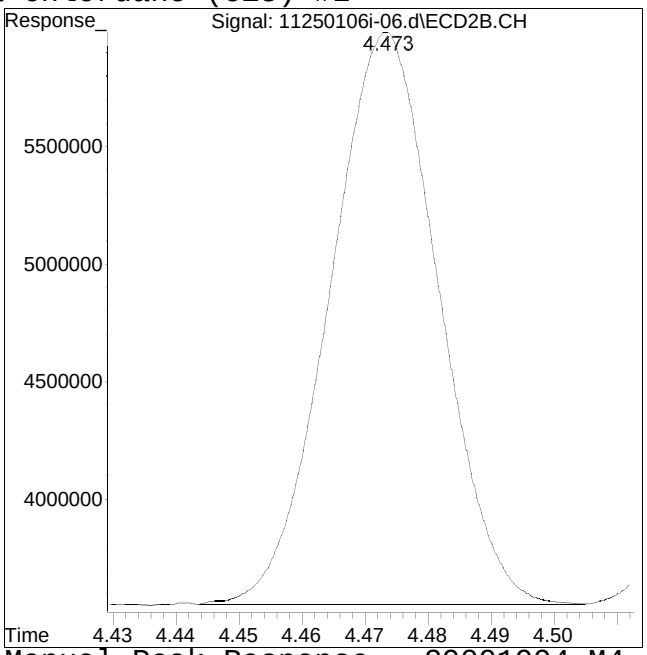
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-06.d
Date Inj'd : 1/6/2025 13:22
Sample : il4pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:13 pm

Compound #52: alpha-Chlordane (cis) #2



Original Peak Response = 29537472



Manual Peak Response = 29091994 M4

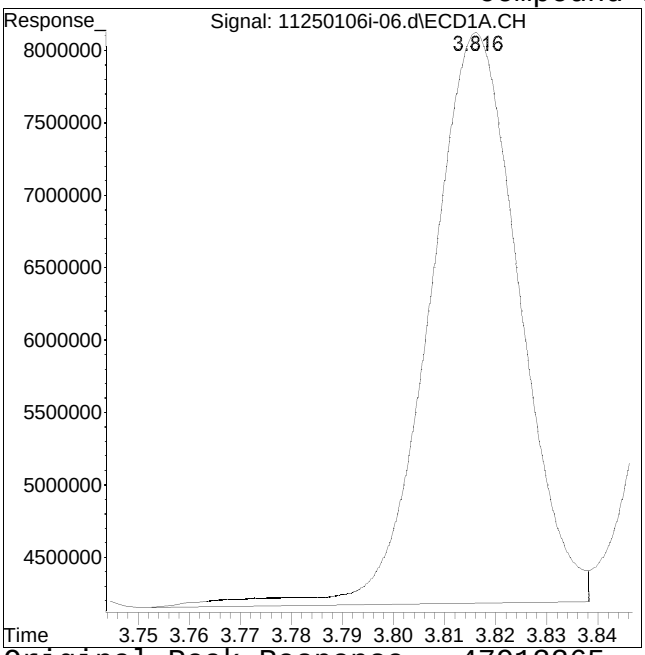
M4 = Poor automated baseline construction.

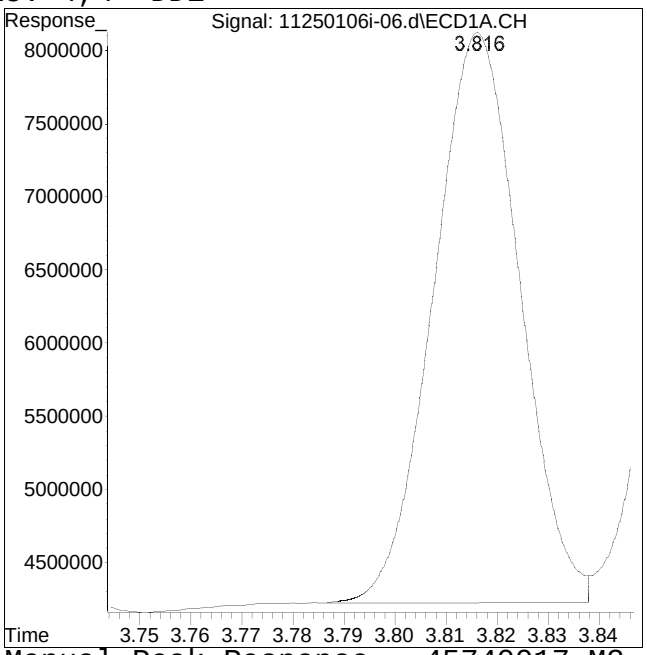
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-06.d
Date Inj'd : 1/6/2025 13:22
Sample : il4pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:13 pm

Compound #15: 4,4'-DDE





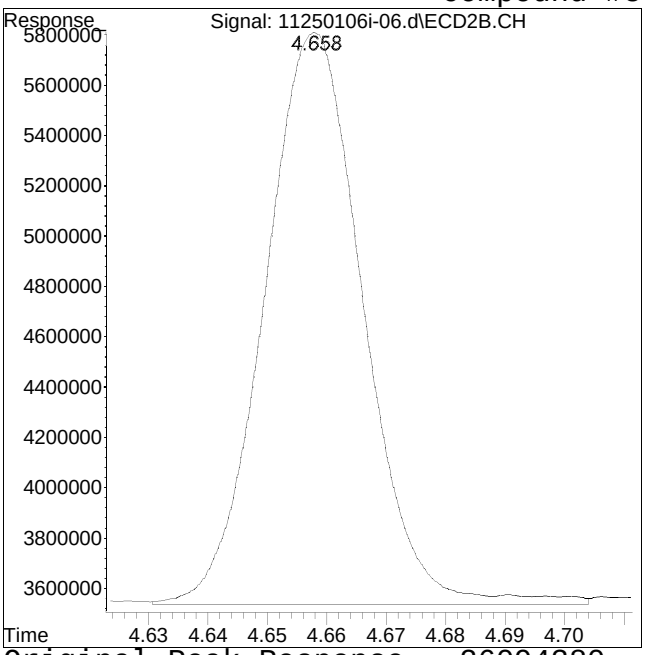
Original Peak Response = 47913265 Manual Peak Response = 45740017 M3

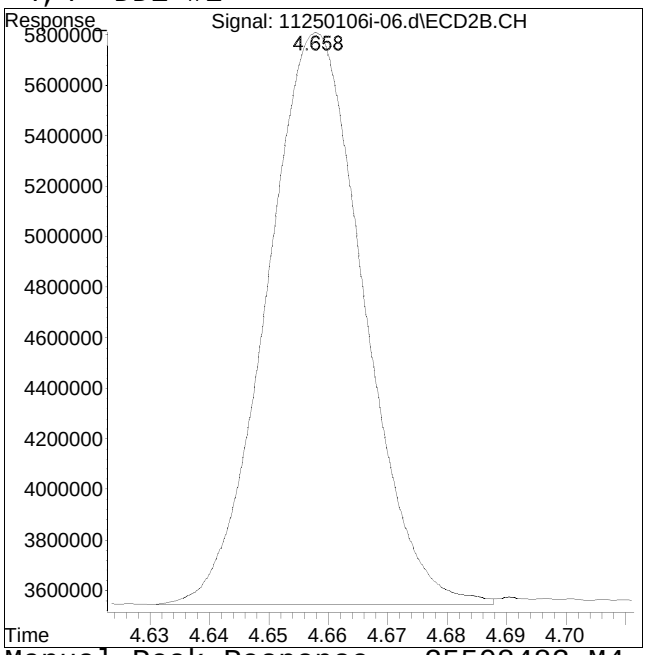
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-06.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:22 Instrument : Pest 11
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:13 pm

Compound #53: 4,4'-DDE #2





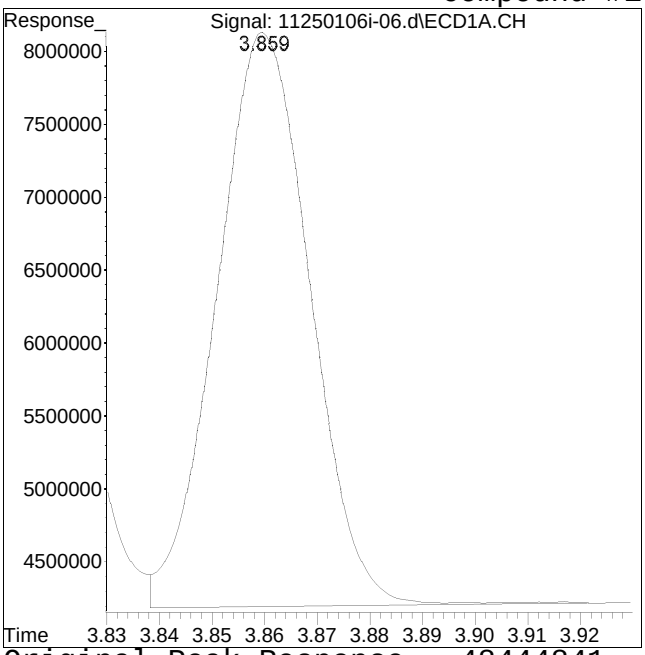
Original Peak Response = 26094380 Manual Peak Response = 25508483 M4
M4 = Poor automated baseline construction.

Manual Integration Report

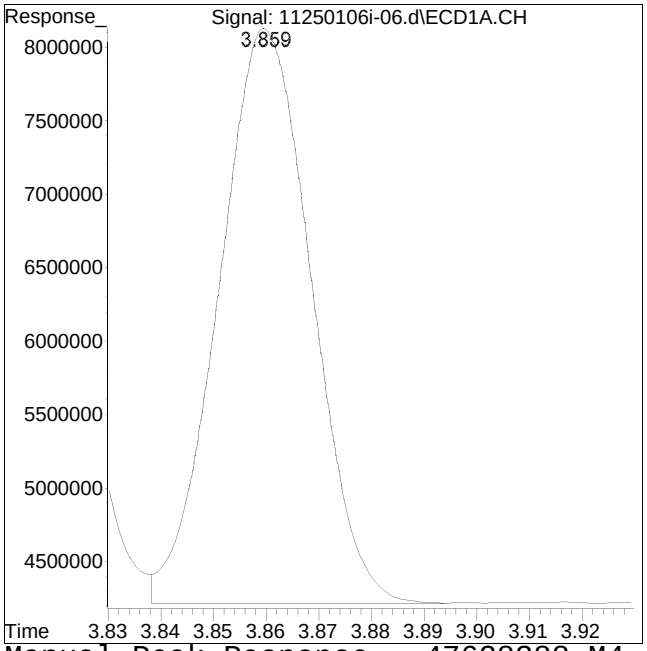
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-06.d
Date Inj'd : 1/6/2025 13:22
Sample : il4pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:13 pm

Compound #16: Endosulfan I



Original Peak Response = 48444841



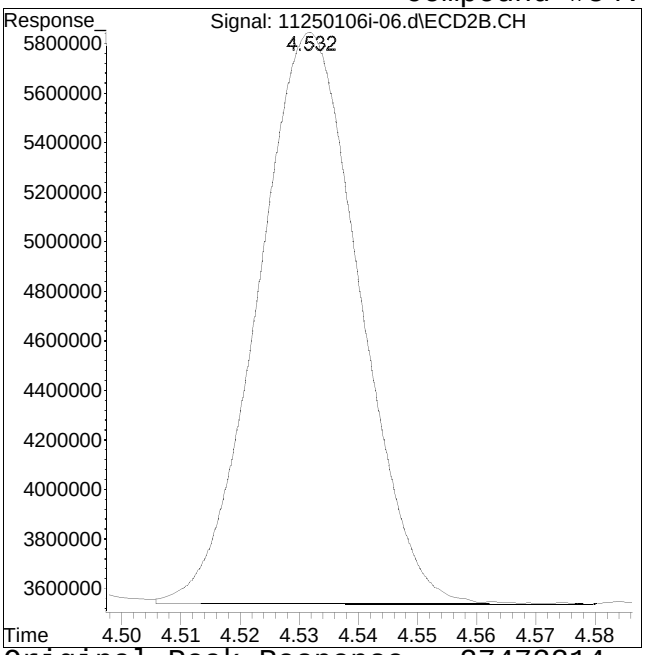
Manual Peak Response = 47628388 M4

M4 = Poor automated baseline construction.

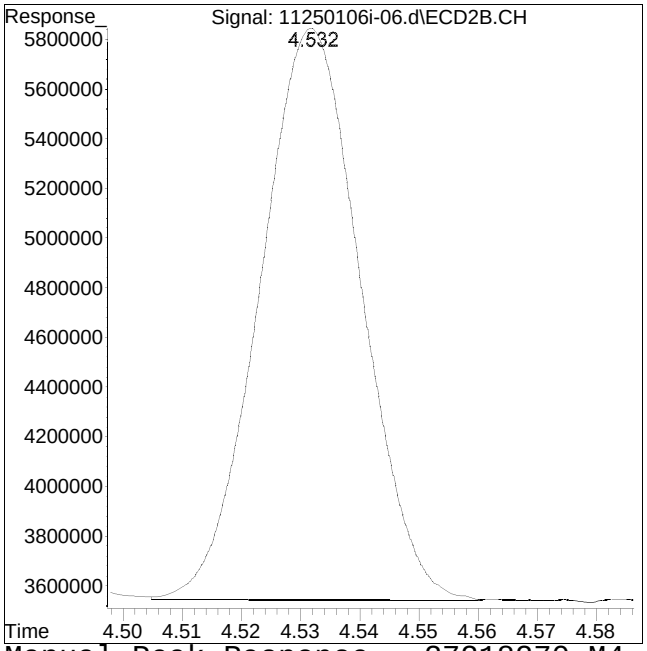
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-06.d
Date Inj'd : 1/6/2025 13:22
Sample : il4pest,42e,,pp 11941 L0.0
Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:13 pm

Compound #54: Endosulfan I #2



Original Peak Response = 27472214



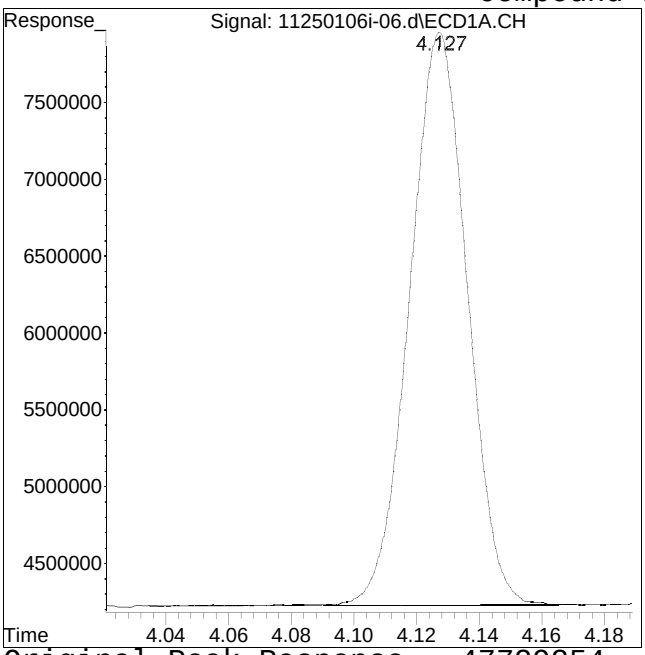
Manual Peak Response = 27218270 M4

M4 = Poor automated baseline construction.

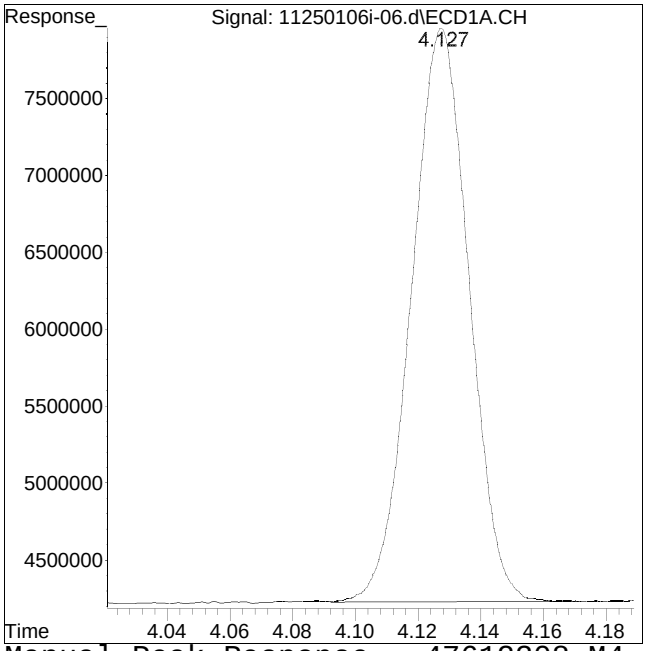
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-06.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:22 Instrument : Pest 11
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:13 pm

Compound #17: Dieldrin



Original Peak Response = 47729254



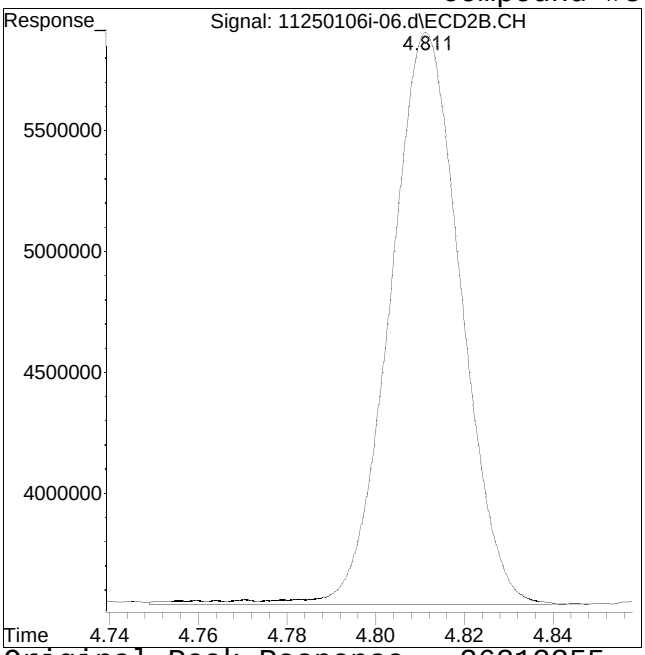
Manual Peak Response = 47612308 M4

M4 = Poor automated baseline construction.

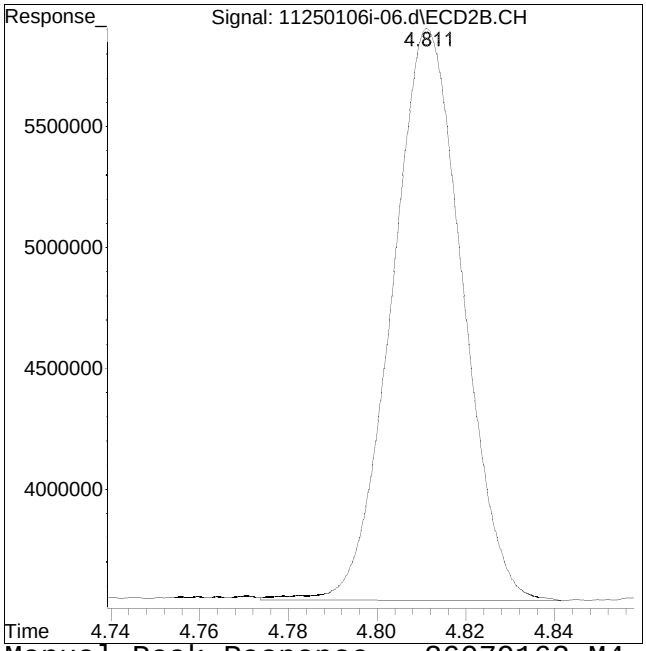
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-06.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:22 Instrument : Pest 11
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:13 pm

Compound #55: Dieldrin #2



Original Peak Response = 26312355



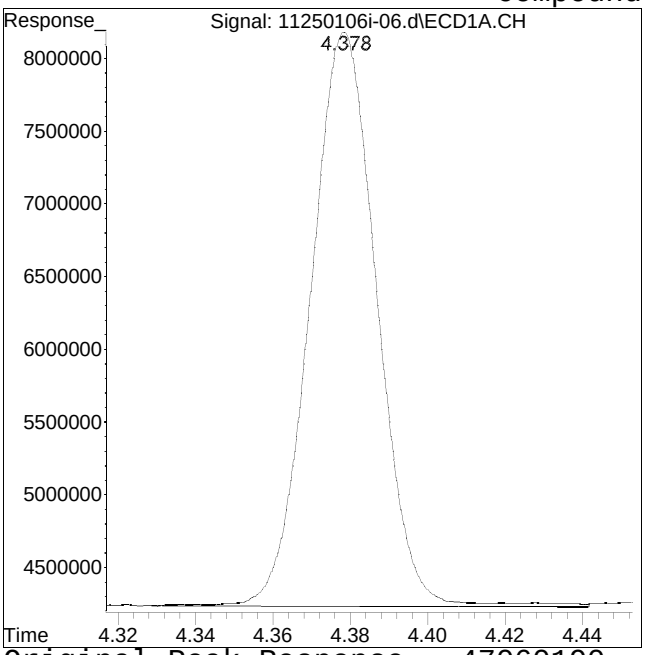
Manual Peak Response = 26079162 M4

M4 = Poor automated baseline construction.

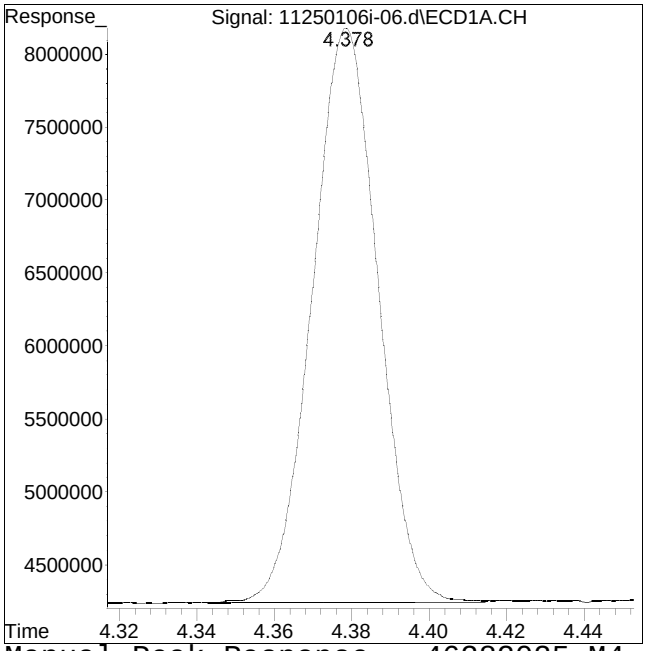
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-06.d
Date Inj'd : 1/6/2025 13:22
Sample : il4pest,42e,,pp 11941 L0.0
Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:13 pm

Compound #18: Endrin



Original Peak Response = 47060190



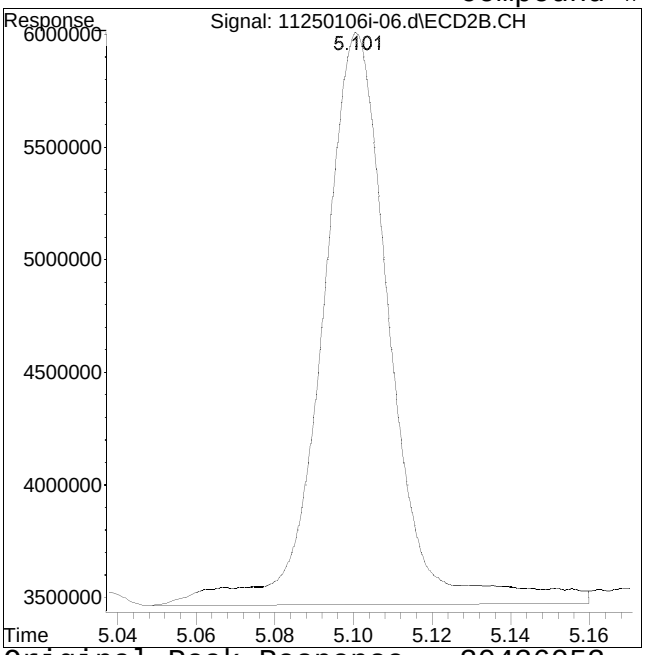
Manual Peak Response = 46282025 M4

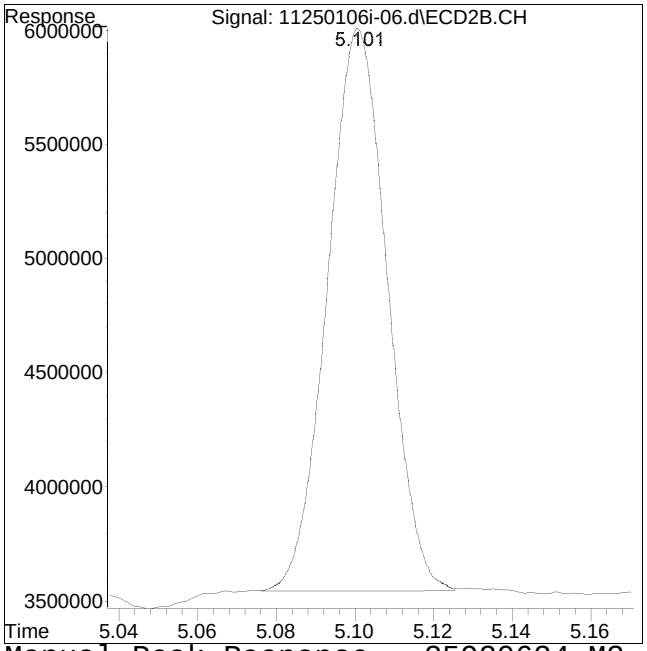
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-06.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:22 Instrument : Pest 11
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:13 pm

Compound #56: Endrin #2



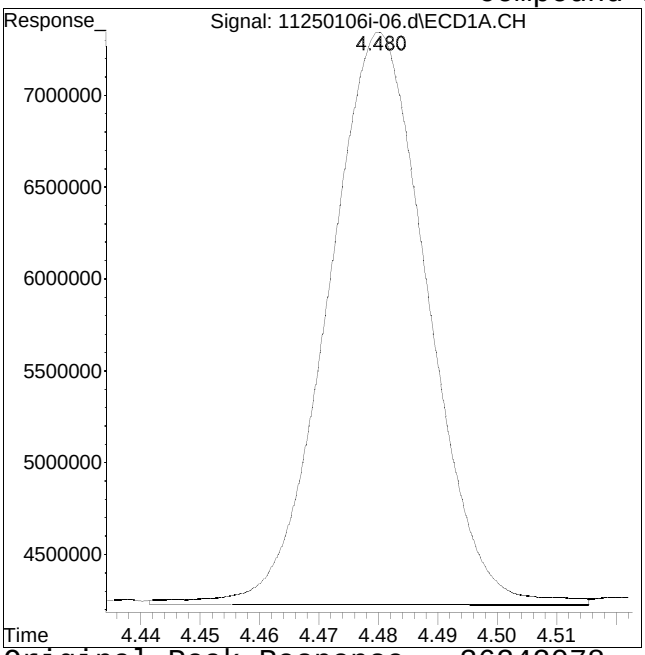


Original Peak Response = 30436053 Manual Peak Response = 25920624 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

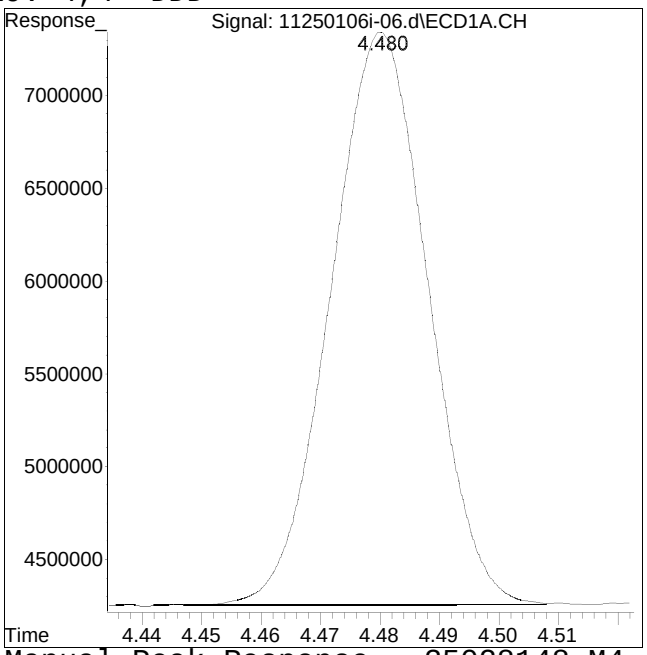
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-06.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:22 Instrument : Pest 11
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:13 pm

Compound #19: 4,4'-DDD



Original Peak Response = 36242078



Manual Peak Response = 35028148 M4

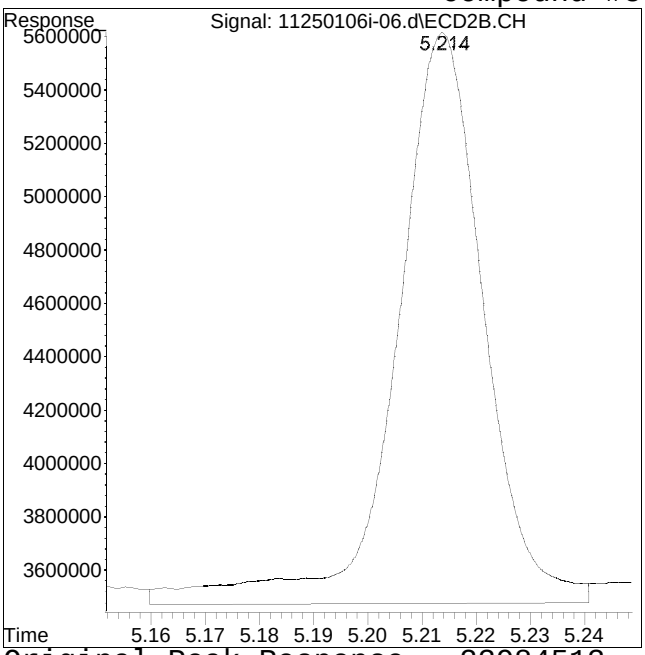
M4 = Poor automated baseline construction.

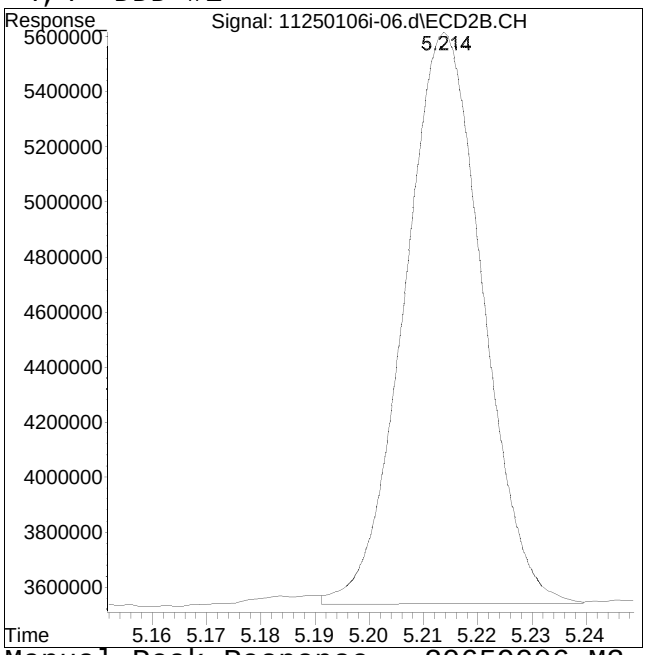
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-06.d
Date Inj'd : 1/6/2025 13:22
Sample : il4pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:13 pm

Compound #57: 4,4'-DDD #2





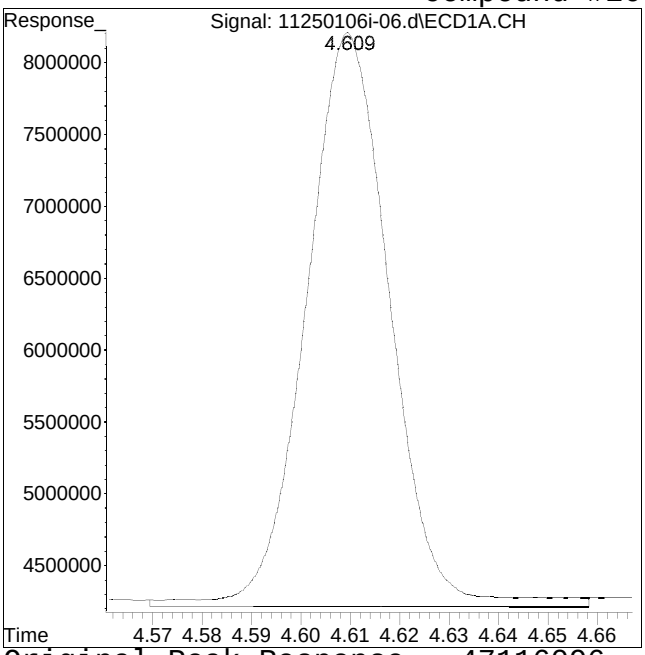
Original Peak Response = 23984513 Manual Peak Response = 20659006 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

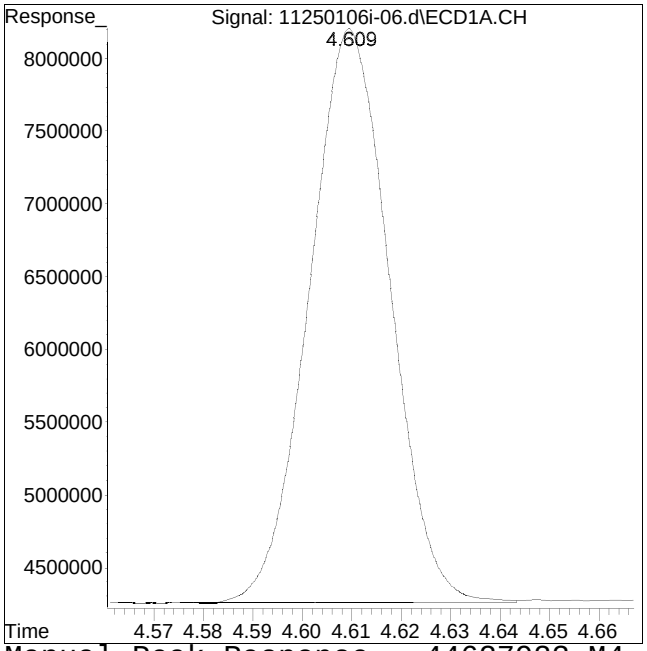
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-06.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:22 Instrument : Pest 11
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:13 pm

Compound #20: Endosulfan II



Original Peak Response = 47116096



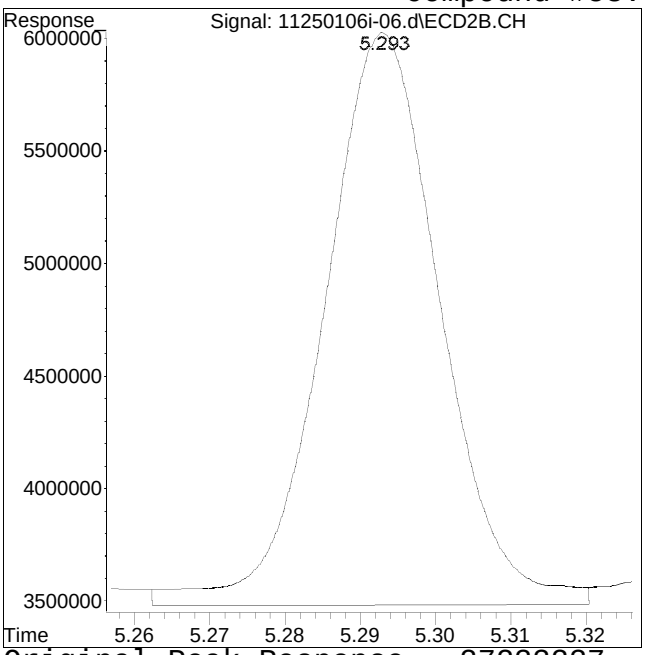
Manual Peak Response = 44627923 M4

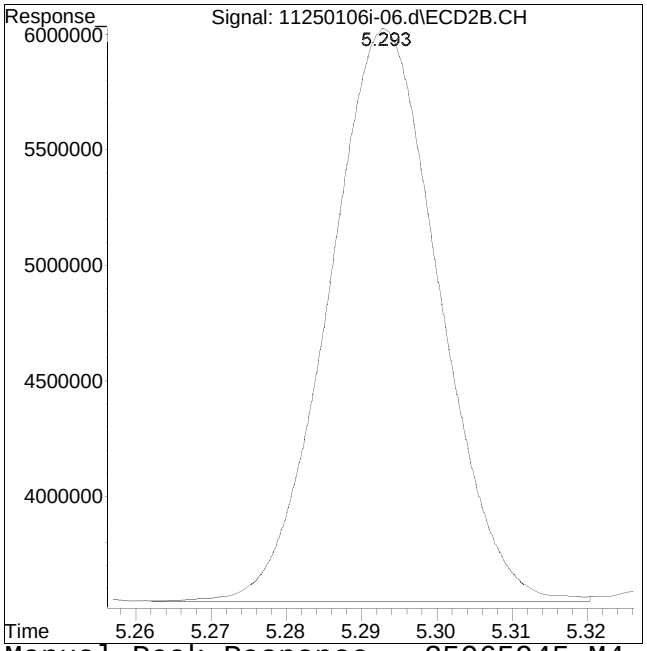
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-06.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:22 Instrument : Pest 11
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:13 pm

Compound #58: Endosulfan II #2



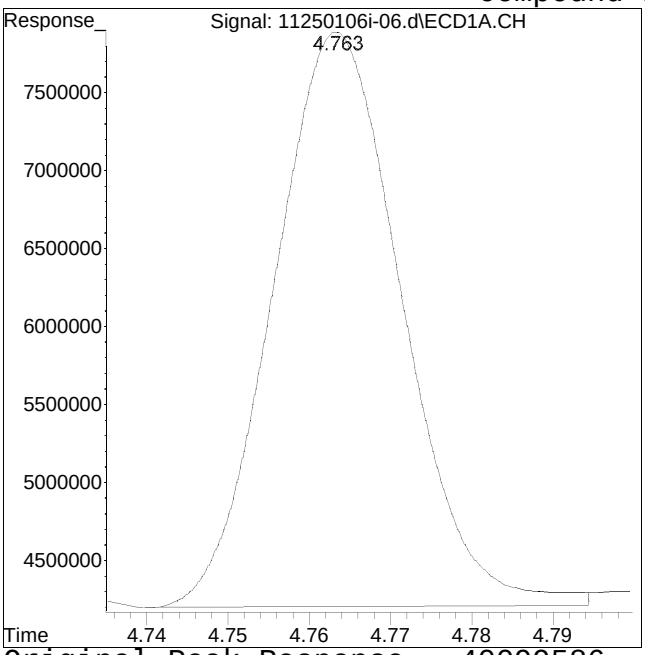


Original Peak Response = 27233237 Manual Peak Response = 25065945 M4
M4 = Poor automated baseline construction.

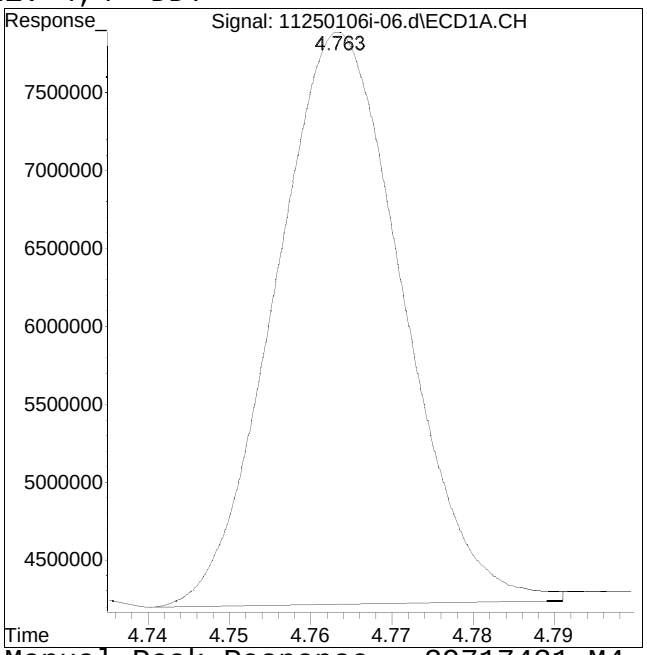
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-06.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:22 Instrument : Pest 11
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:13 pm

Compound #21: 4,4'-DDT



Original Peak Response = 40099586



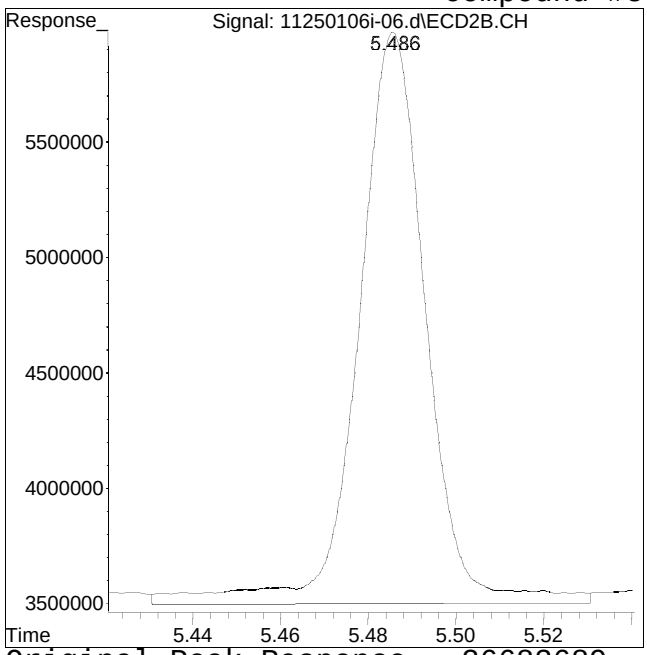
Manual Peak Response = 39717431 M4
M4 = Poor automated baseline construction.

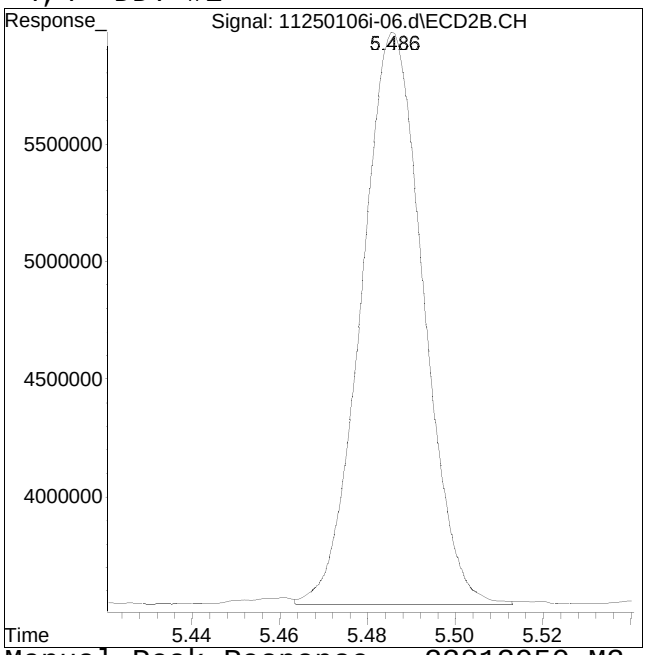
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-06.d
Date Inj'd : 1/6/2025 13:22
Sample : il4pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:13 pm

Compound #59: 4,4'-DDT #2





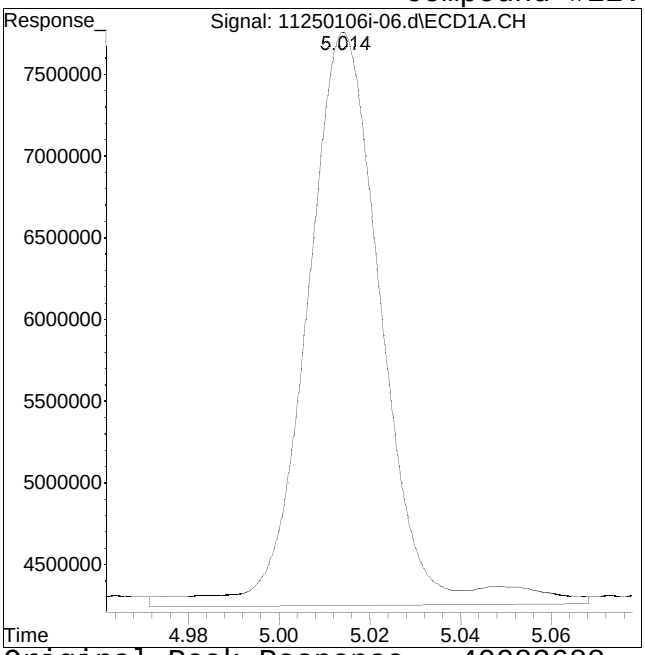
Original Peak Response = 26683689 Manual Peak Response = 23813950 M3

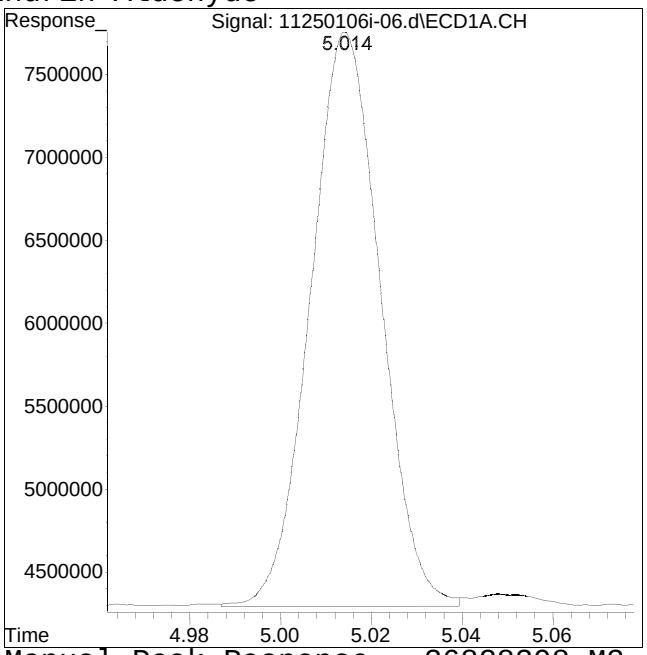
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-06.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:22 Instrument : Pest 11
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:13 pm

Compound #22: Endrin Aldehyde



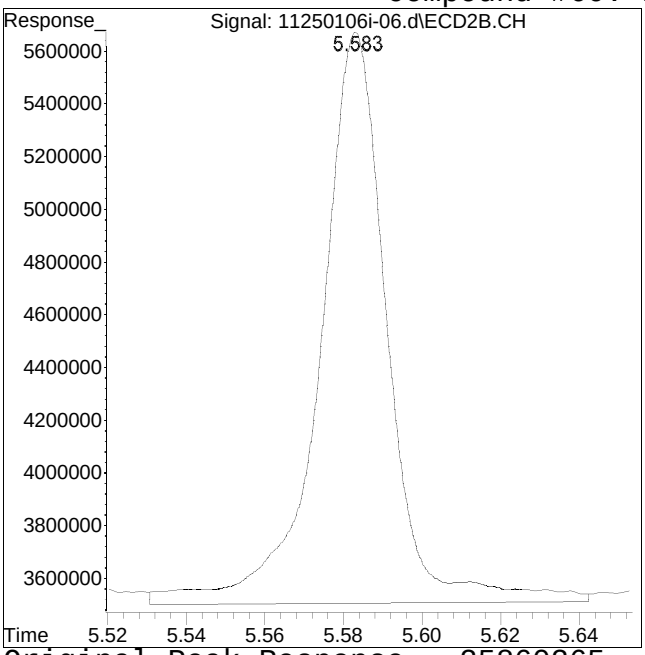


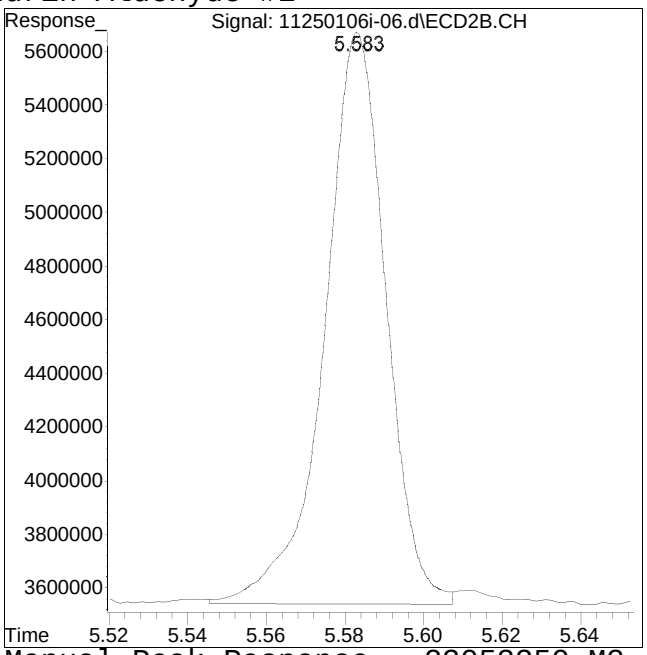
Original Peak Response = 40083688 Manual Peak Response = 36828398 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-06.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:22 Instrument : Pest 11
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:13 pm

Compound #60: Endrin Aldehyde #2



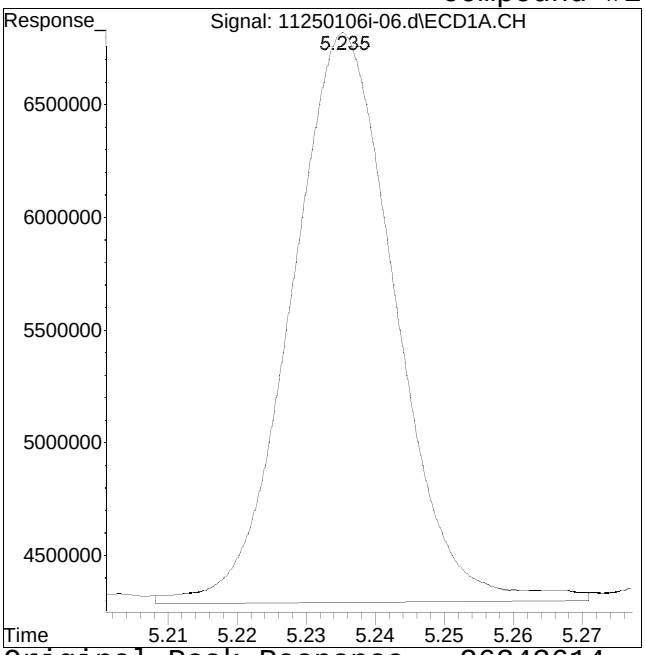


Original Peak Response = 25860265 Manual Peak Response = 23053359 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

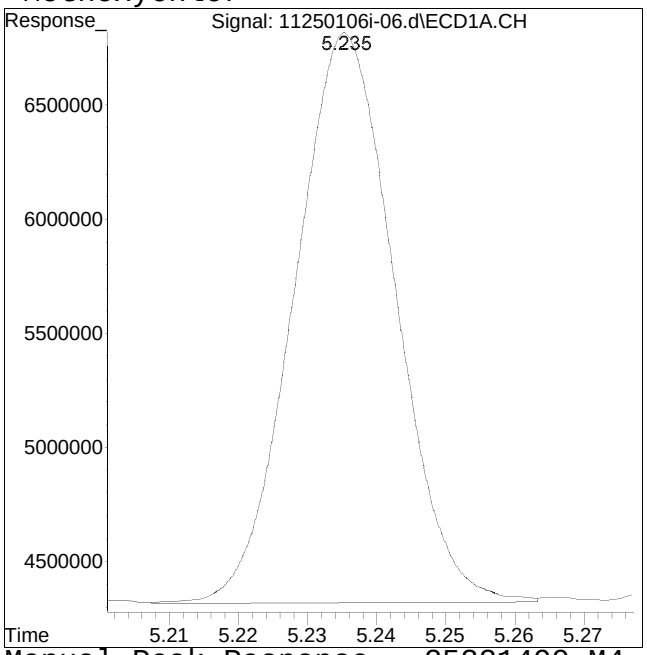
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-06.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:22 Instrument : Pest 11
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:13 pm

Compound #23: Methoxychlor



Original Peak Response = 26343614



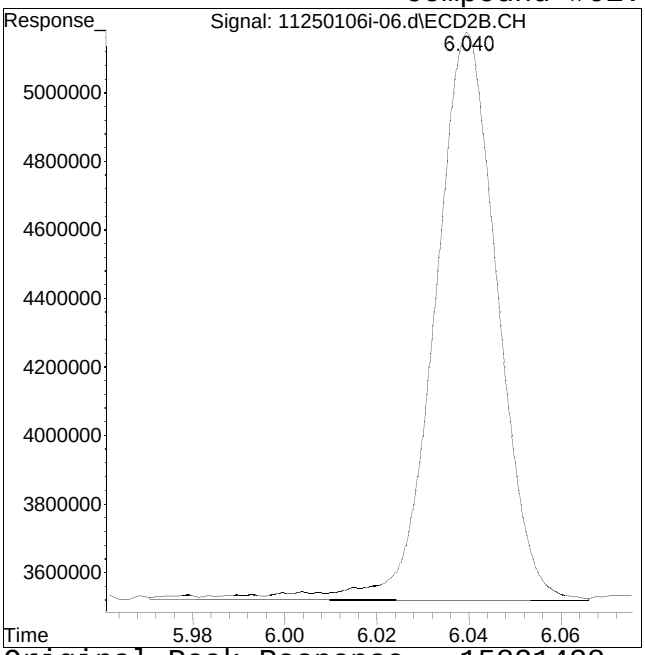
Manual Peak Response = 25221499 M4

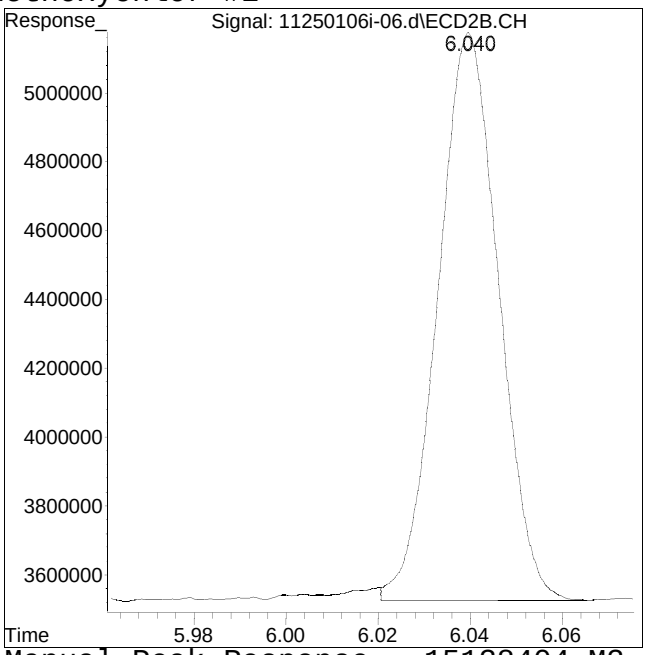
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-06.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:22 Instrument : Pest 11
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:13 pm

Compound #61: Methoxychlor #2



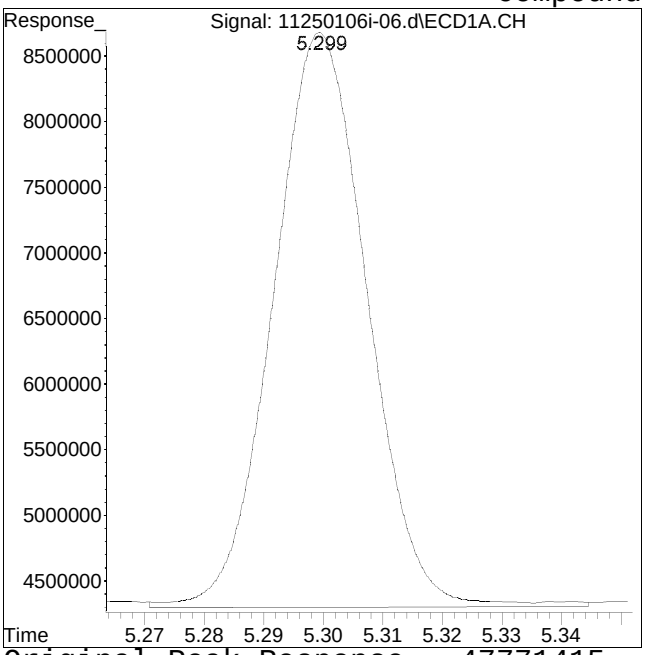


Original Peak Response = 15821438 Manual Peak Response = 15138404 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

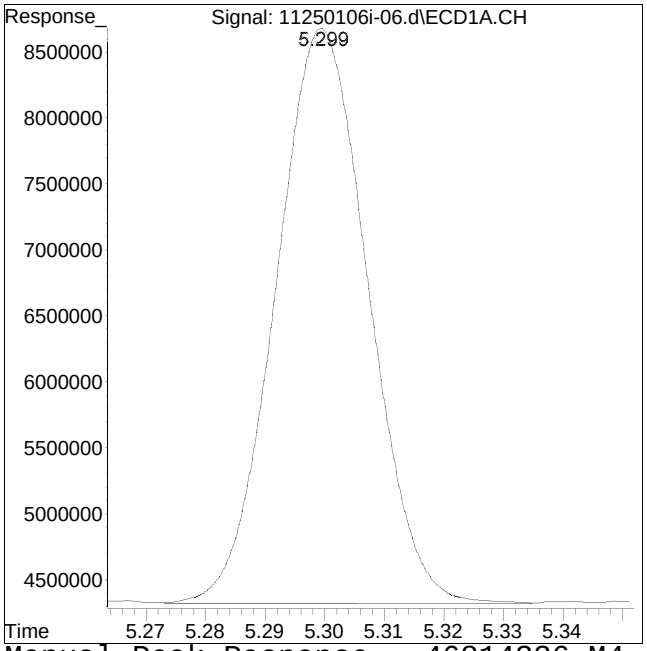
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-06.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:22 Instrument : Pest 11
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:13 pm

Compound #24: Mirex



Original Peak Response = 47771415



Manual Peak Response = 46814336 M4

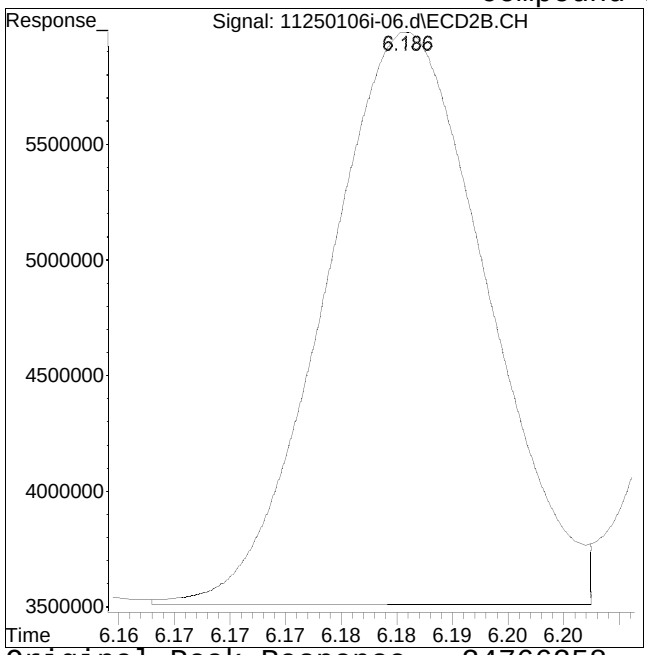
M4 = Poor automated baseline construction.

Manual Integration Report

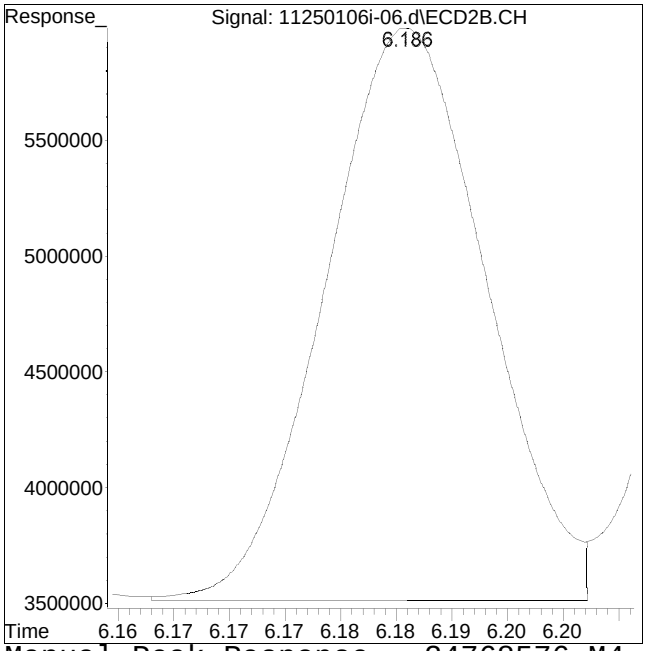
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-06.d
Date Inj'd : 1/6/2025 13:22
Sample : il4pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:13 pm

Compound #62: Mirex #2



Original Peak Response = 24766258



Manual Peak Response = 24768576 M4

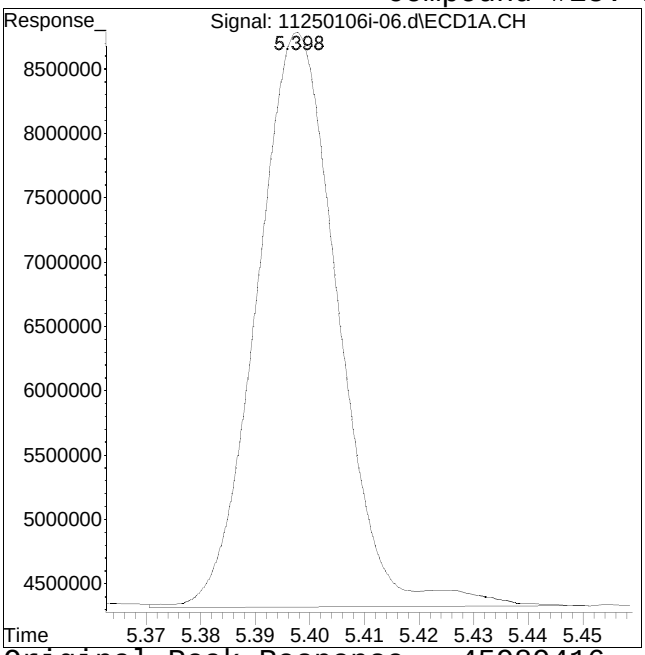
M4 = Poor automated baseline construction.

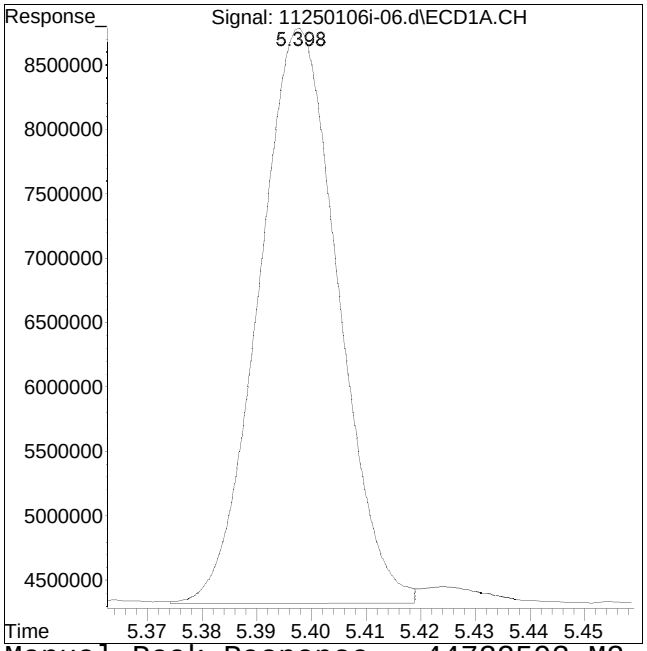
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-06.d
Date Inj'd : 1/6/2025 13:22
Sample : il4pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:13 pm

Compound #25: Endosulfan Sulfate





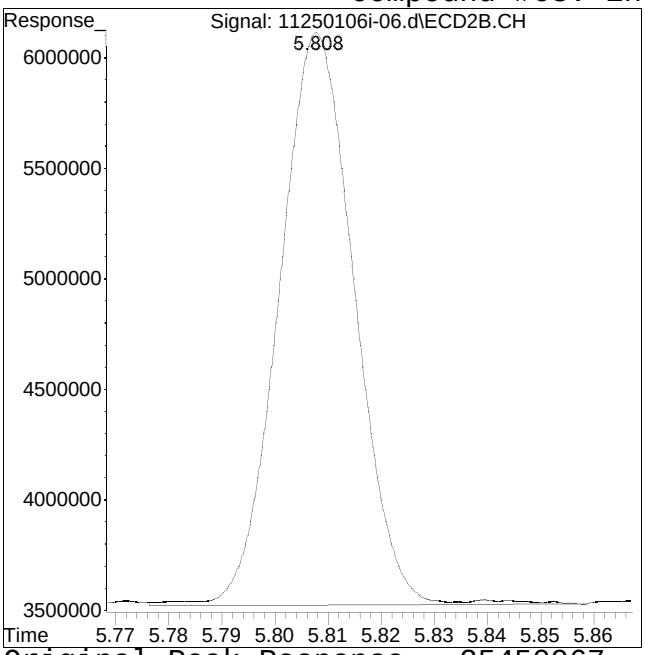
Original Peak Response = 45989416 Manual Peak Response = 44732593 M3

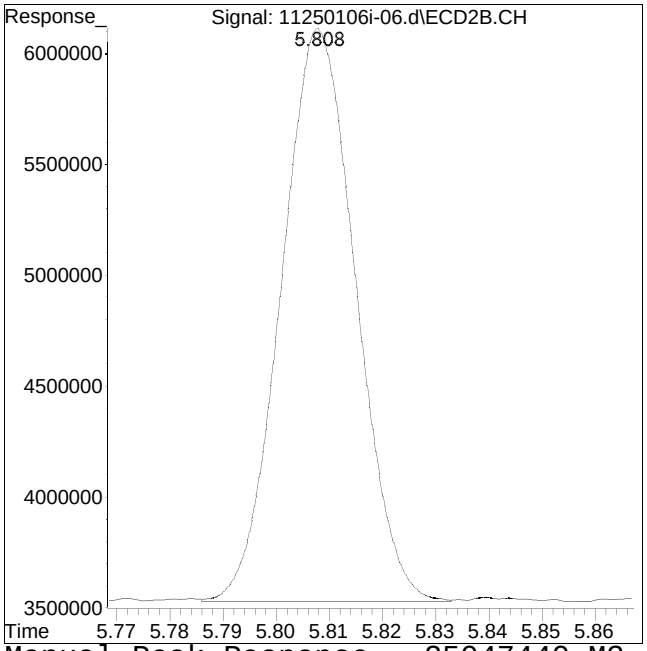
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-06.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:22 Instrument : Pest 11
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:13 pm

Compound #63: Endosulfan Sulfate #2



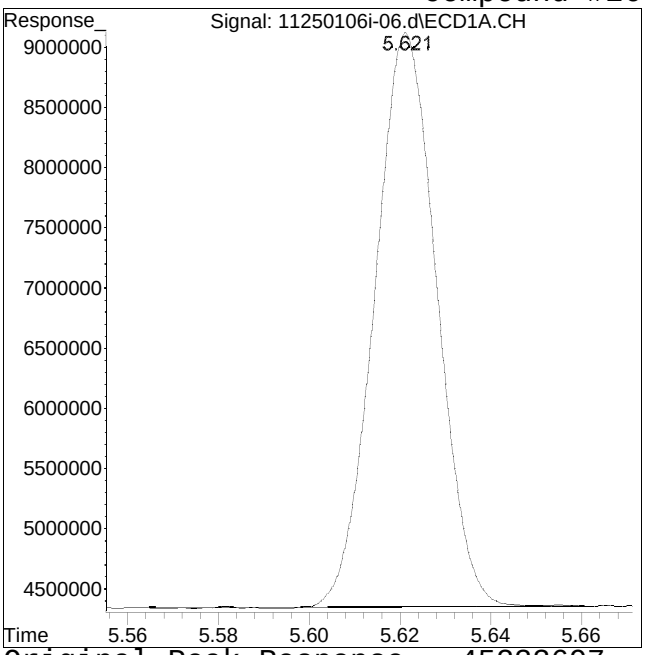


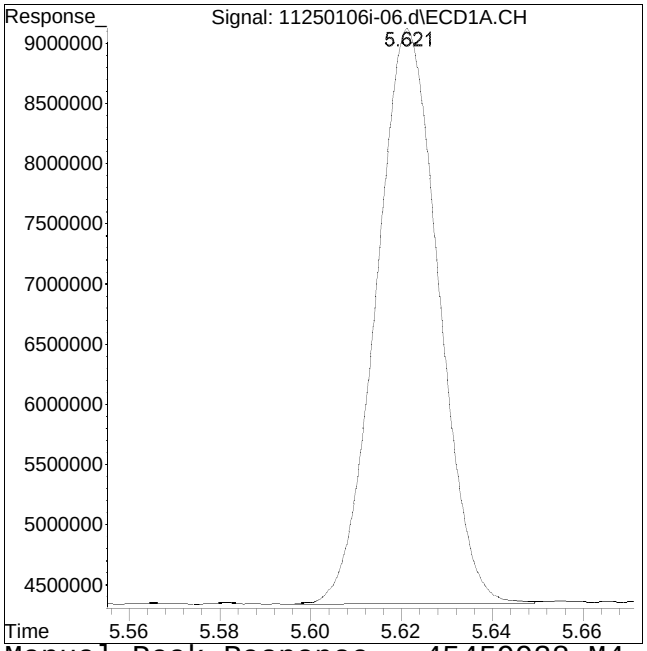
Original Peak Response = 25450967 Manual Peak Response = 25047440 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-06.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:22 Instrument : Pest 11
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:13 pm

Compound #26: Endrin Ketone



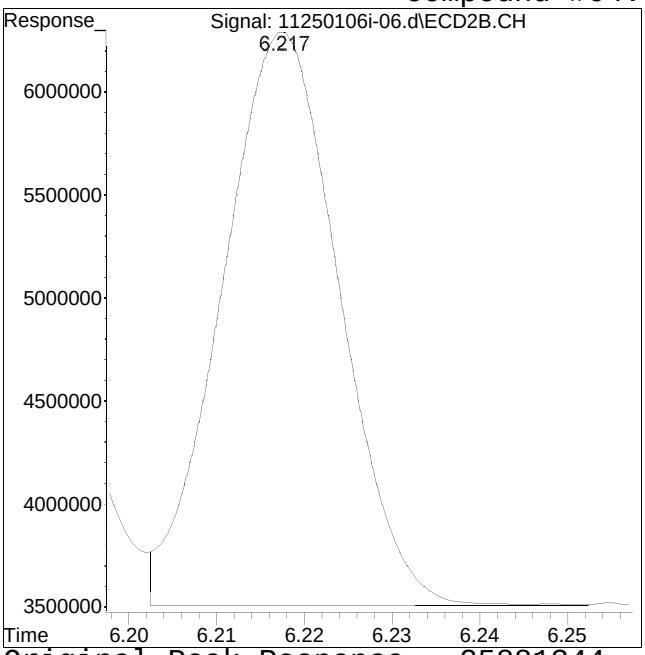


Original Peak Response = 45233697 Manual Peak Response = 45459938 M4
M4 = Poor automated baseline construction.

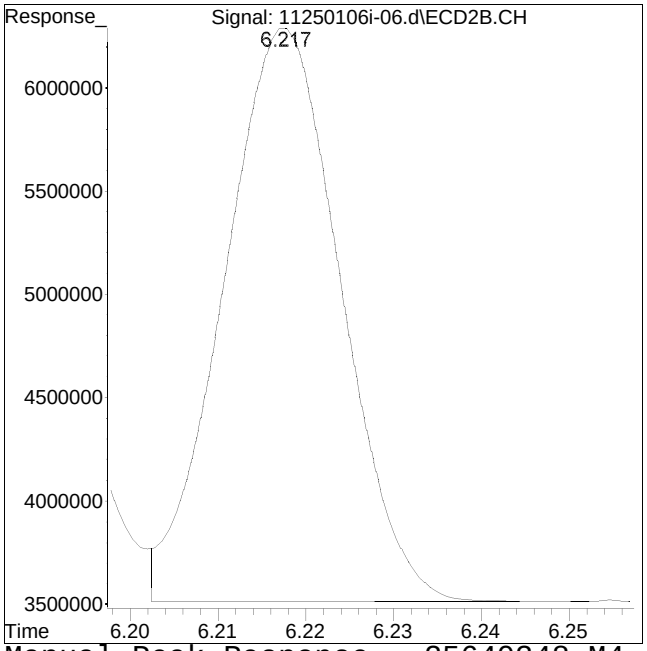
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-06.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:22 Instrument : Pest 11
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:13 pm

Compound #64: Endrin Ketone #2



Original Peak Response = 25881344



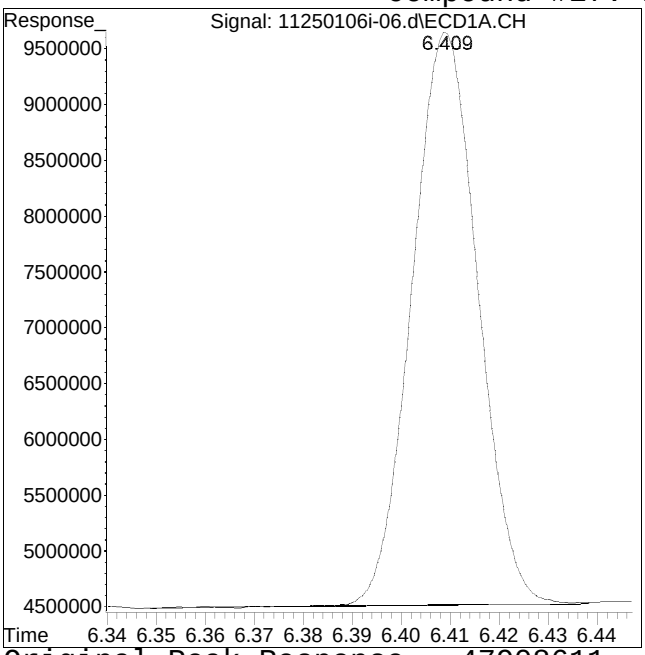
Manual Peak Response = 25640348 M4

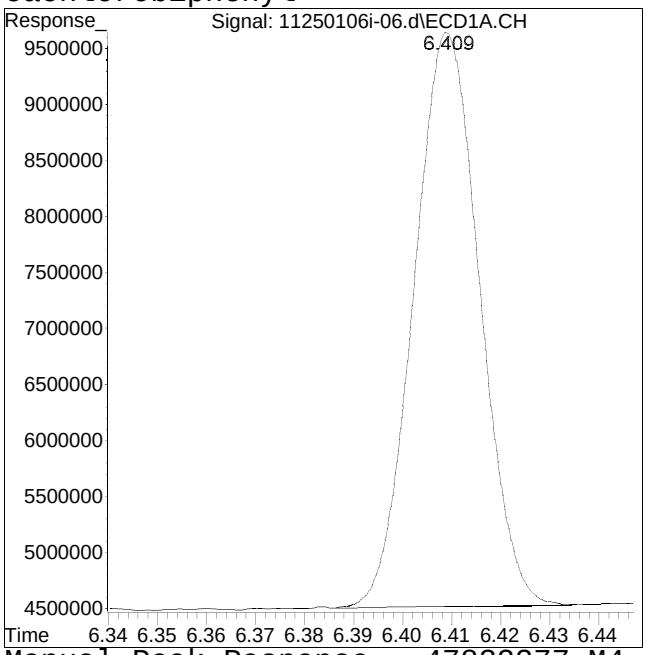
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-06.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:22 Instrument : Pest 11
Sample : il4pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:13 pm

Compound #27: Decachlorobiphenyl





Original Peak Response = 47908611 Manual Peak Response = 47832377 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 13:34
Operator : PEST11:akm
Sample : il5pest,42e,,pp 11941 L0.004
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:07:17 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:07:00 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.375	1.457	326.0E6	187.3E6	25.000M4	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.733	1.960	60928657	31222220	3.829M3	4.095
	Spiked Amount 50.000	Range 30 - 150		Recovery =		7.66%#	8.19%#
27) s	Decachlorobi	6.409	7.068	63748258	29446596	4.535M4	4.654M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		9.07%#	9.31%#
	Target Compounds						
3) t	Hexachlorobe	1.956	2.299	69224191	36144575	4.027M3	4.385M4
4) t	alpha-BHC	2.059	2.400	74025469	39993034	3.137M4	3.493
5) t	gamma-BHC (l	2.271	2.701	69502873	38760537	3.317M3	3.715
6) t	beta-BHC	2.329	2.767	35658716	20513143	4.005M3	4.622M3
7) t	delta-BHC	2.464	3.048	69184782	38415159	3.216M4	3.598M3
8) t	Heptachlor	2.634	3.119	70715277	41883325	3.790M3	4.109M4
9) t	Aldrin	2.887	3.454	67137130	36090163	3.453M3	3.812
10) t	Alachlor	3.010	3.328	11712040	7231893	4.474M3	5.155M3
11) t	Chlorpyrifos	3.106	3.697	41916631	25905508	4.532M4	5.158M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 13:34
Operator : PEST11:akm
Sample : il5pest,42e,,pp 11941 L0.004
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:07:17 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:07:00 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.453	4.093	67235315	38437219	3.827M4	4.260M4
13)	t	gamma-Chlord	3.580	4.313	63634904	34016498	3.767M4	4.146M4
14)	t	alpha-Chlord	3.719	4.474	72081023	37918632	3.736M4	4.169M4
15)	t	4,4'-DDE	3.817	4.659	62903260	33611720	3.342M3	3.743M4
16)	t	Endosulfan I	3.860	4.532	64350275	35485876	3.801M4	4.255M4
17)	t	Dieldrin	4.128	4.812	64598711	34049774	3.615M4	3.944M4
18)	t	Endrin	4.379	5.102	63196807	34497724	3.623M4	3.945M3
19)	t	4,4'-DDD	4.481	5.214	48021944	27454755	3.408M4	3.832M3
20)	t	Endosulfan I	4.610	5.294	60408341	32552021	3.839M4	4.218M4
21)	t	4,4'-DDT	4.764	5.486	54010245	31459960	3.655M4	3.887M4
22)	t	Endrin Aldeh	5.015	5.584	49278301	29622016	3.739M3	4.493M3
23)	t	Methoxychlor	5.236	6.040	34165658	19970163	4.506M4	4.748M3
24)	t	Mirex	5.300	6.187	62456507	31753975	4.463M4	5.027
25)	t	Endosulfan S	5.398	5.809	60310695	32531622	3.852M3	4.344
26)	t	Endrin Keton	5.622	6.218	61505081	33759399	3.984M4	4.204
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 13:34
Operator : PEST11:akm
Sample : il5pest,42e,,pp 11941 L0.004
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:07:17 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:07:00 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

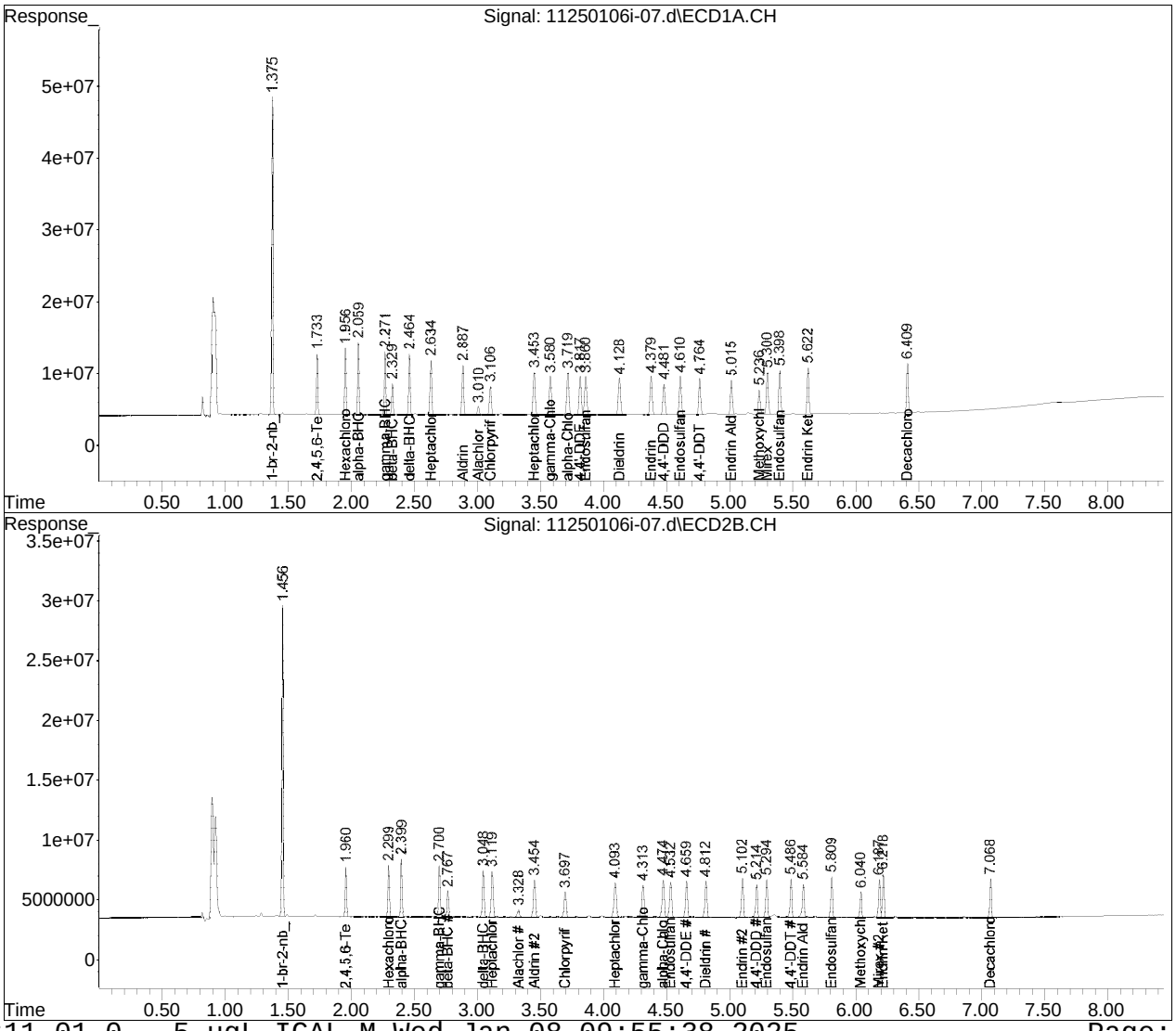
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 13:34
Operator : PEST11:akm
Sample : il5pest,42e,,pp 11941 L0.004
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:07:17 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:07:00 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

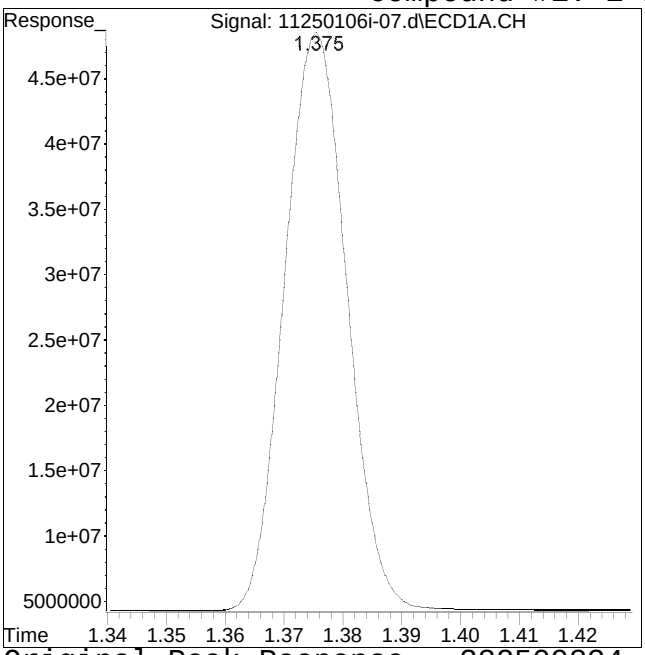


Manual Integration Report

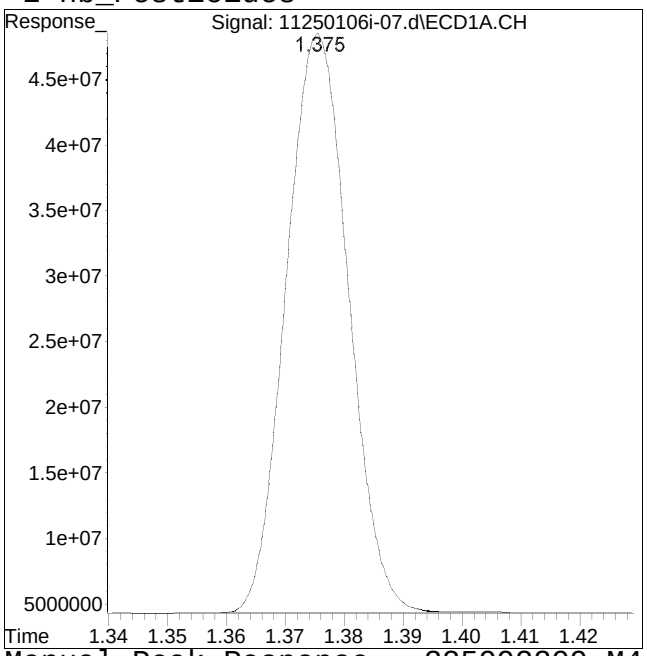
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-07.d
Date Inj'd : 1/6/2025 13:34
Sample : il5pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:07 pm

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 332509334



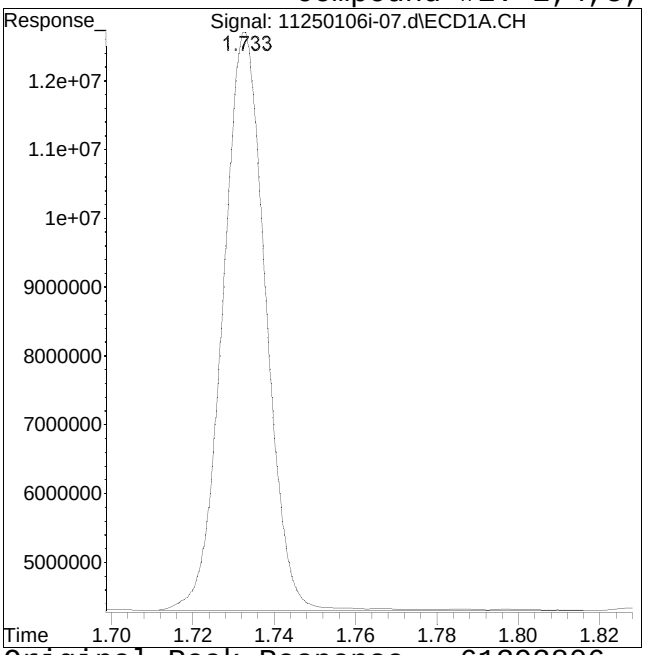
Manual Peak Response = 325992299 M4

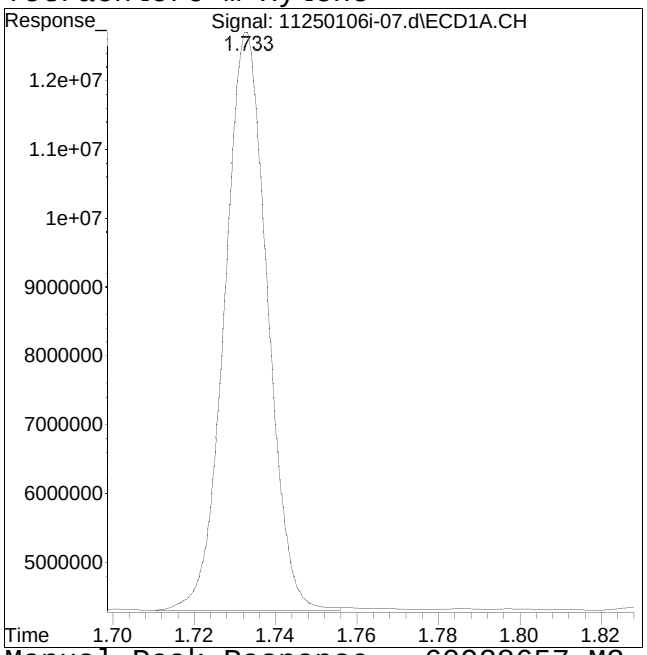
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-07.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:34 Instrument : Pest 11
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:07 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



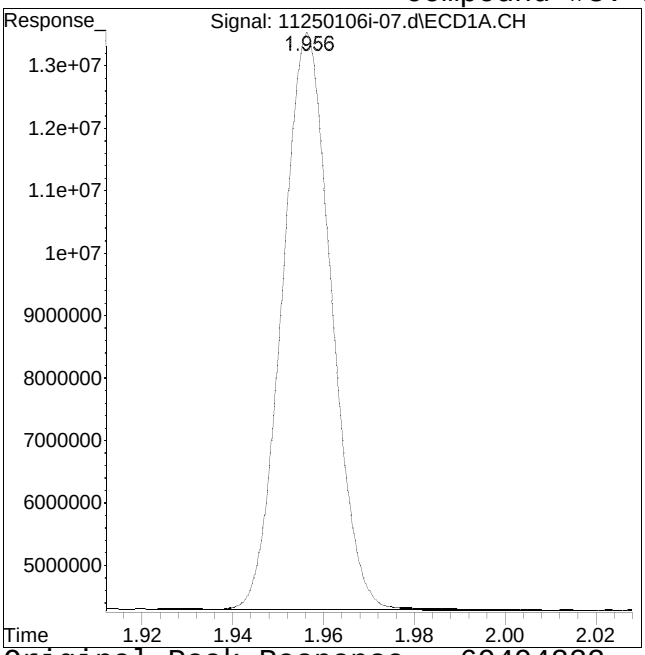


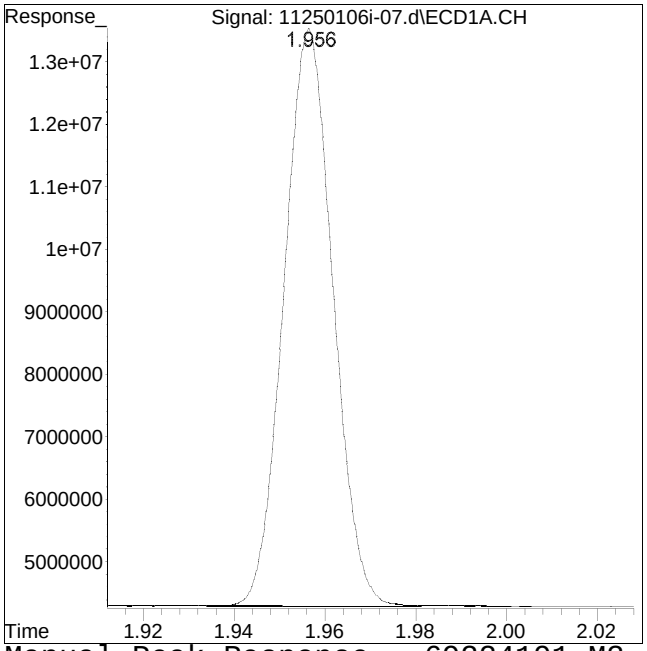
Original Peak Response = 61393806 Manual Peak Response = 60928657 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-07.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:34 Instrument : Pest 11
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:07 pm

Compound #3: Hexachlorobenzene



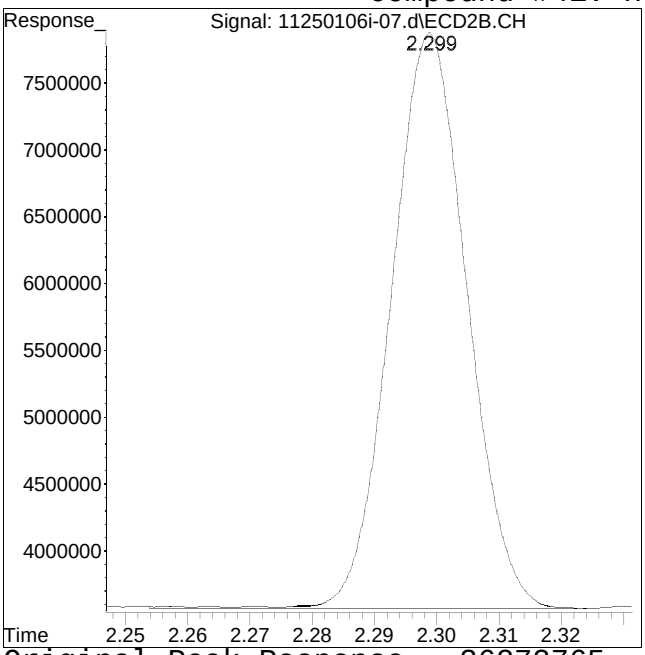


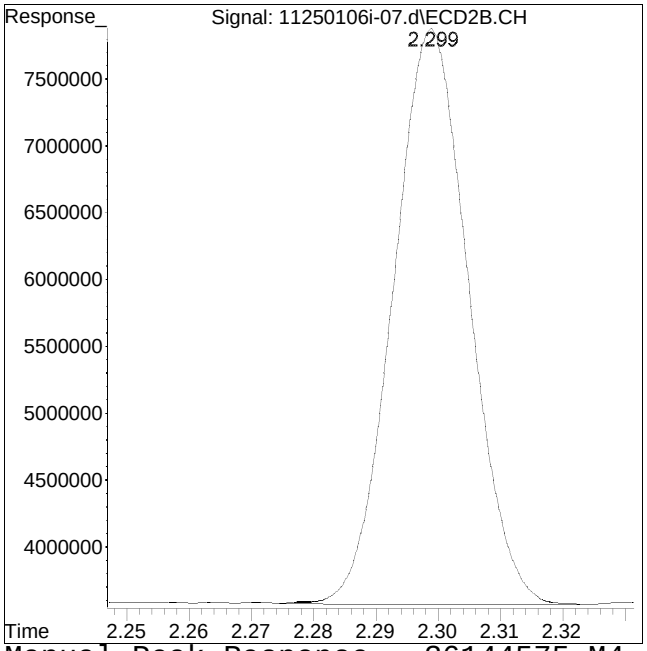
Original Peak Response = 69494232 Manual Peak Response = 69224191 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-07.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:34 Instrument : Pest 11
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:07 pm

Compound #41: Hexachlorobenzene #2



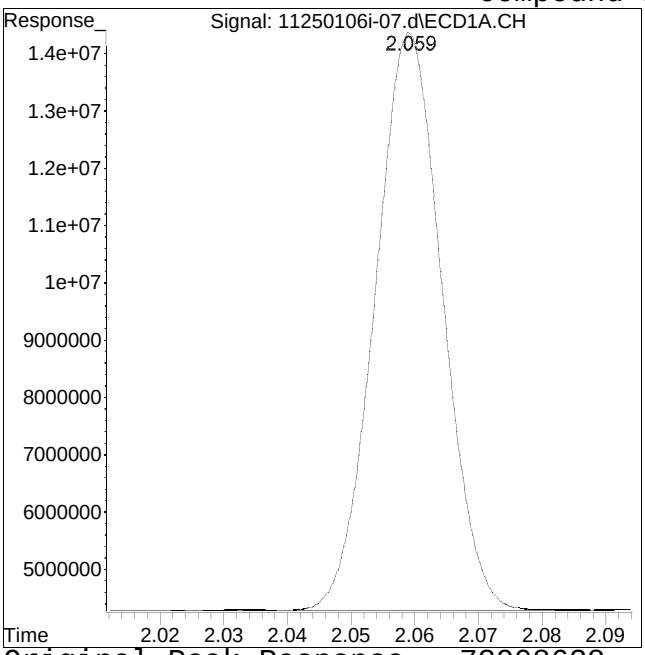


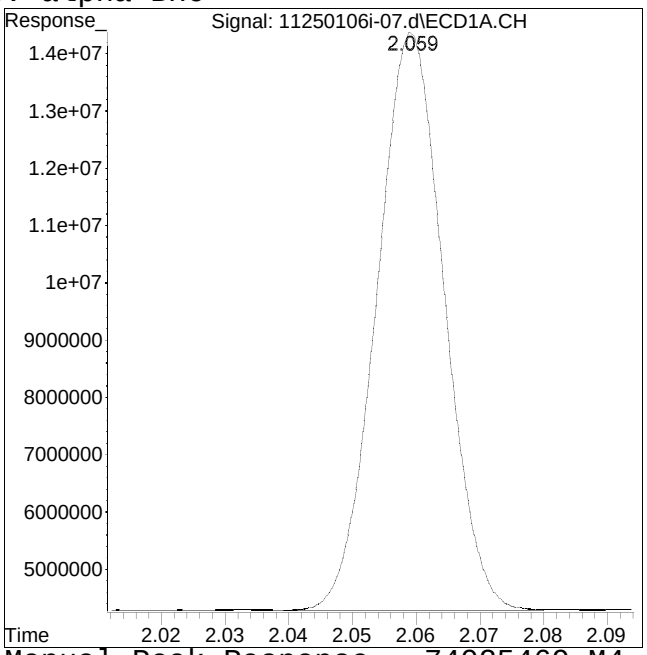
Original Peak Response = 36272765 Manual Peak Response = 36144575 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-07.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:34 Instrument : Pest 11
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:07 pm

Compound #4: alpha-BHC



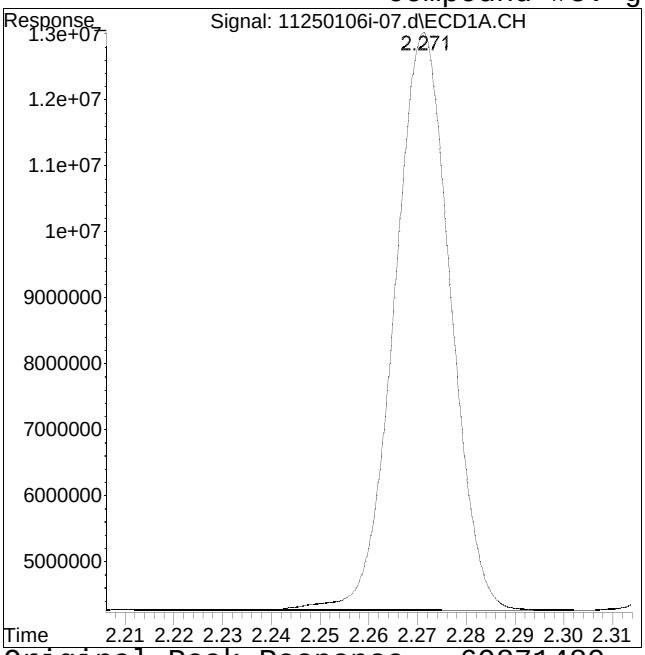


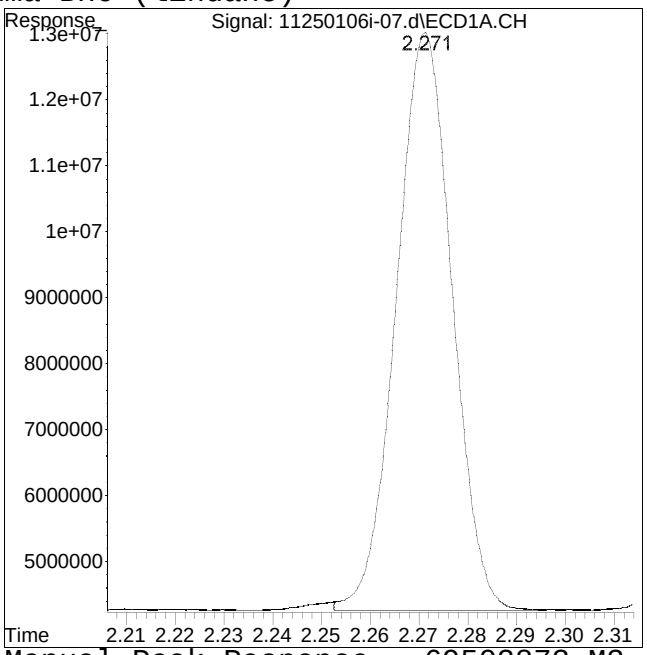
Original Peak Response = 73908638 Manual Peak Response = 74025469 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-07.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:34 Instrument : Pest 11
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:07 pm

Compound #5: gamma-BHC (lindane)



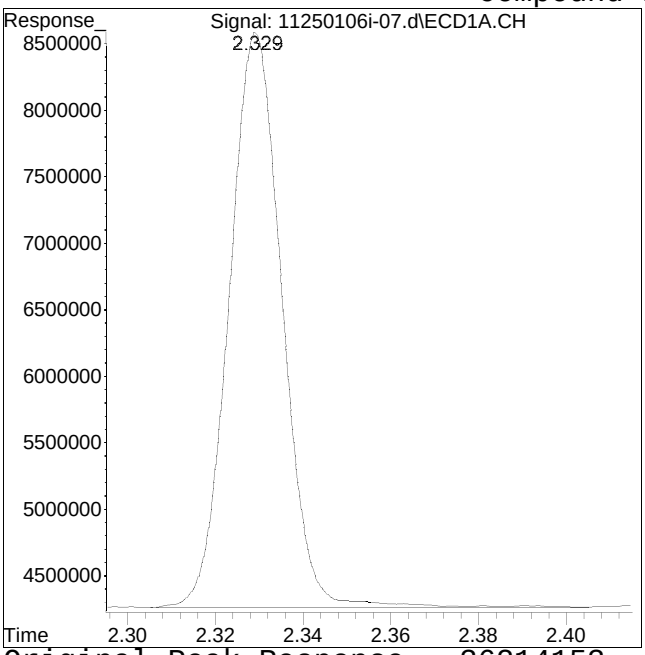


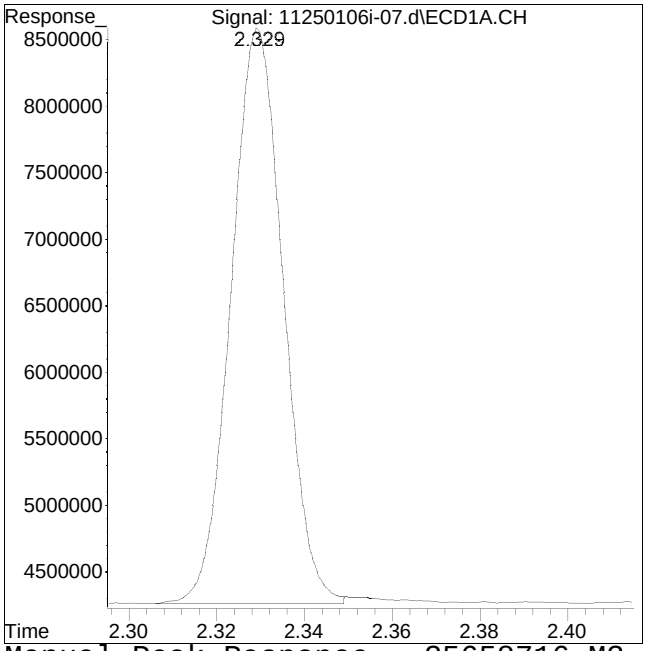
Original Peak Response = 69871480 Manual Peak Response = 69502873 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-07.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:34 Instrument : Pest 11
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:07 pm

Compound #6: beta-BHC



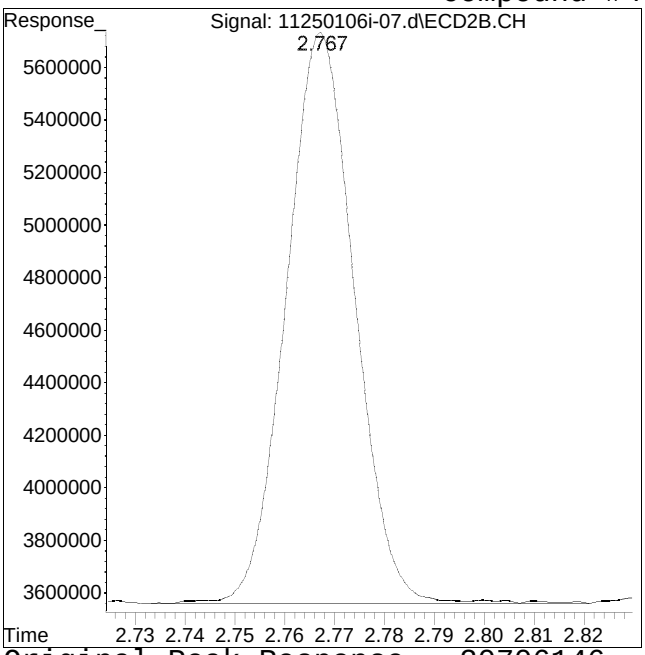


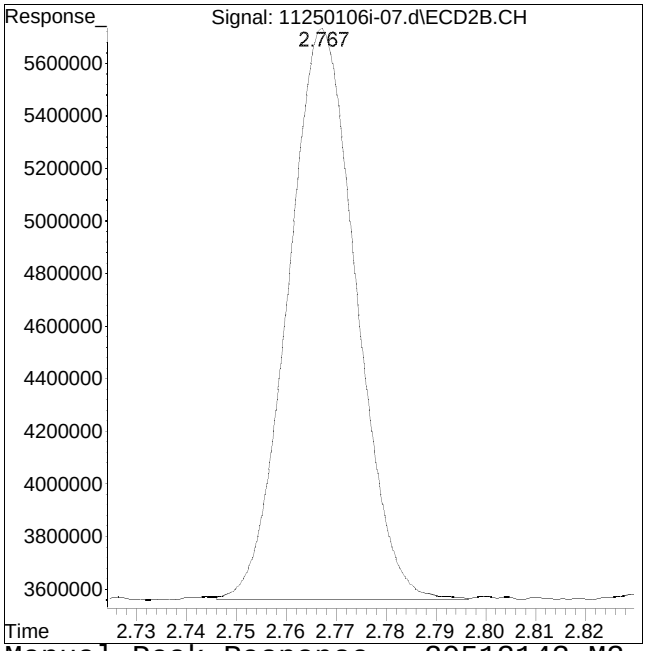
Original Peak Response = 36214153 Manual Peak Response = 35658716 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-07.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:34 Instrument : Pest 11
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:07 pm

Compound #44: beta-BHC #2



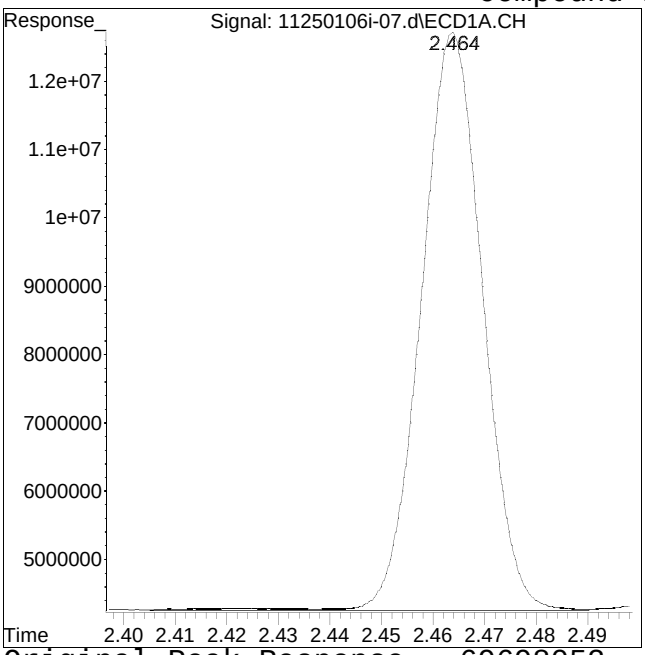


Original Peak Response = 20706146 Manual Peak Response = 20513143 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

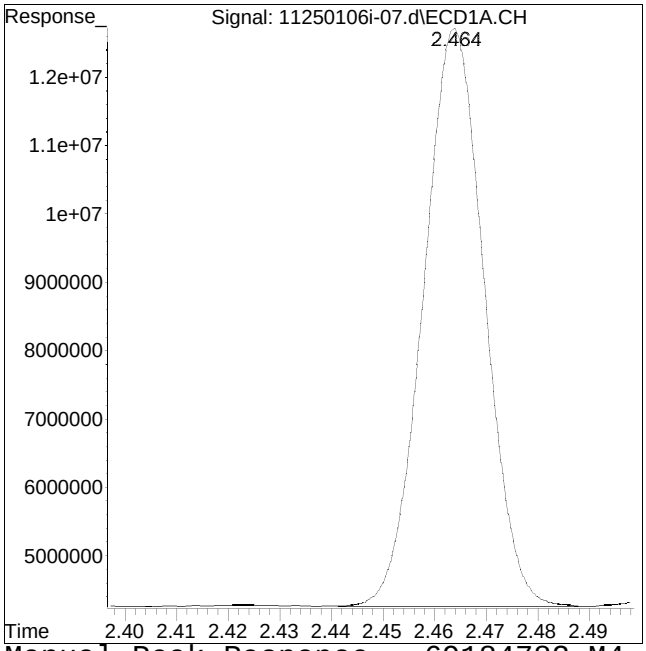
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-07.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:34 Instrument : Pest 11
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:07 pm

Compound #7: delta-BHC



Original Peak Response = 69698052



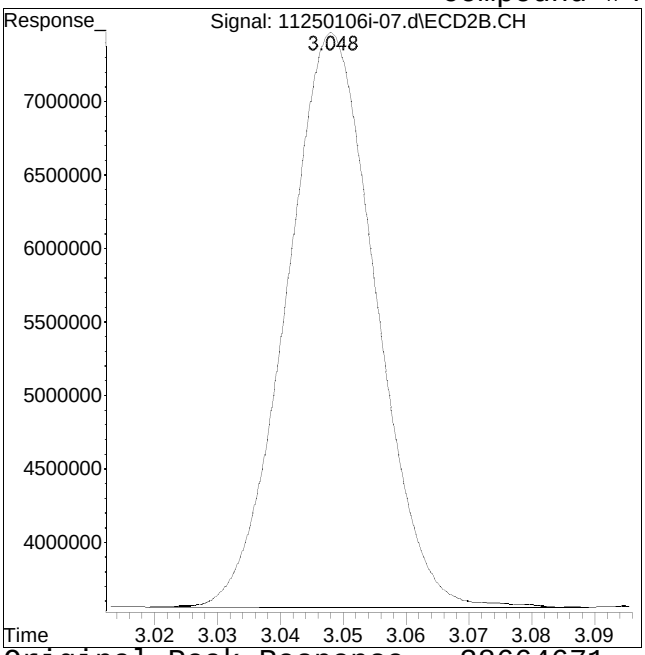
Manual Peak Response = 69184782 M4

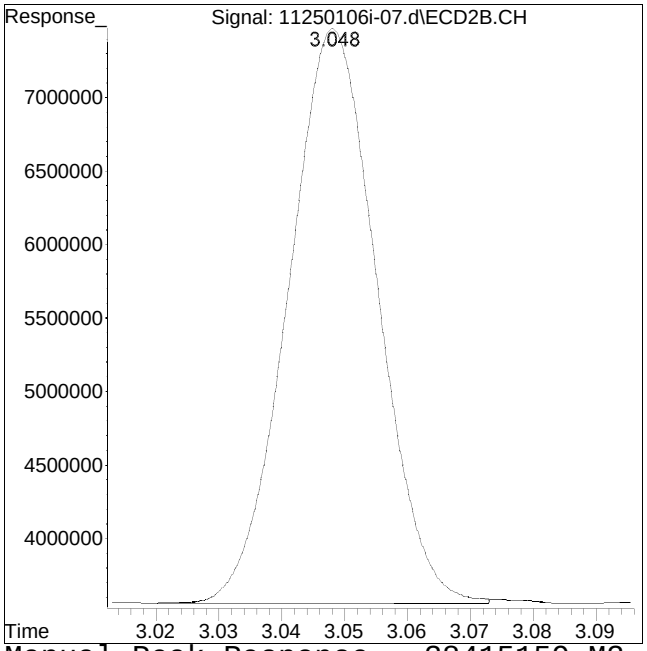
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-07.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:34 Instrument : Pest 11
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:07 pm

Compound #45: delta-BHC #2



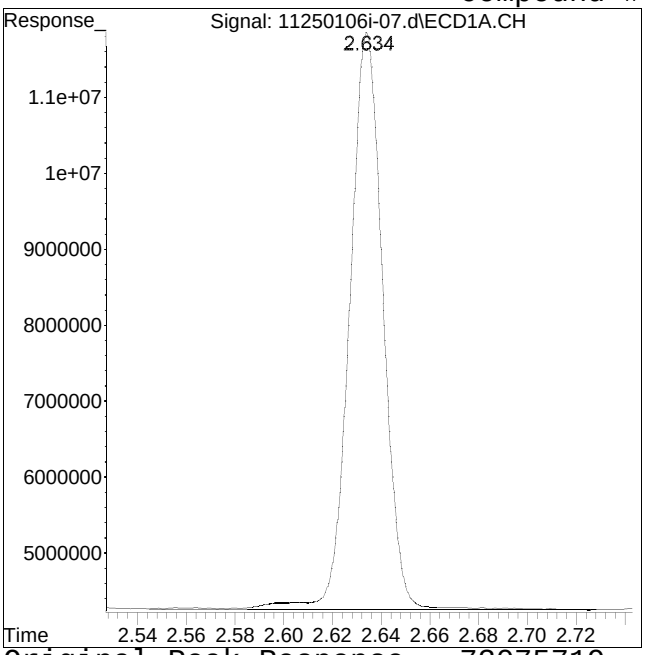


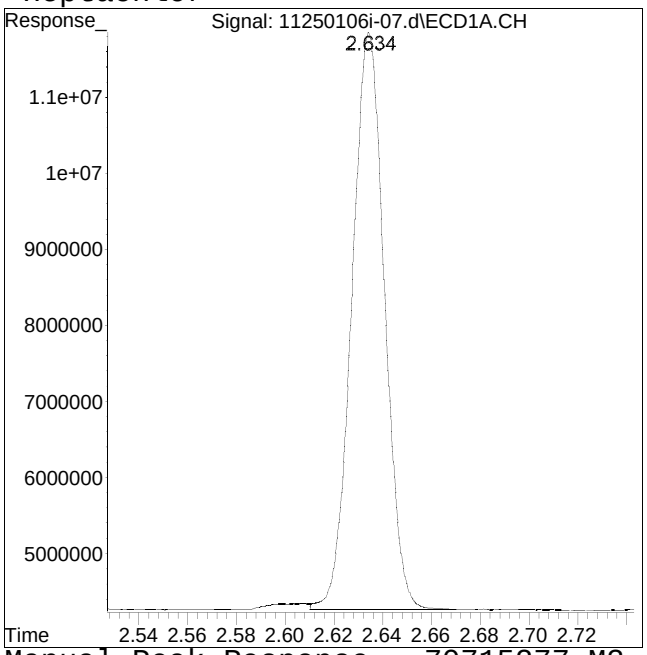
Original Peak Response = 38664671 Manual Peak Response = 38415159 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-07.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:34 Instrument : Pest 11
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:07 pm

Compound #8: Heptachlor



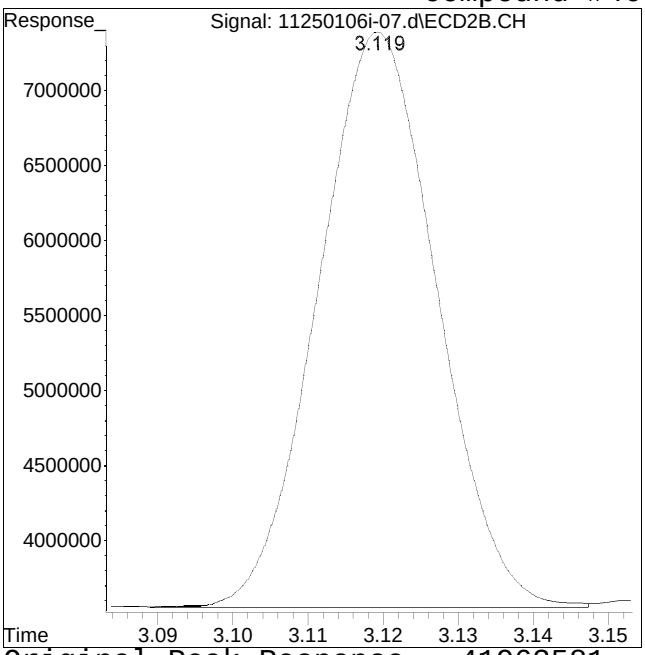


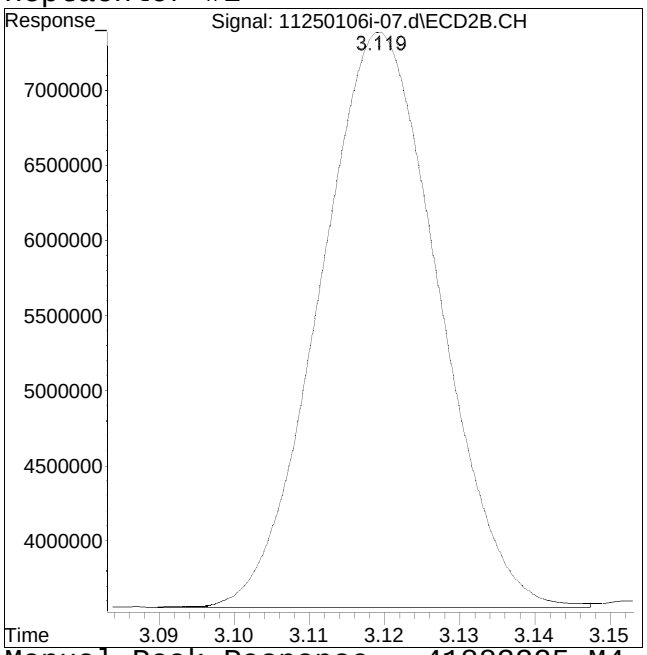
Original Peak Response = 73075719 Manual Peak Response = 70715277 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-07.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:34 Instrument : Pest 11
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:07 pm

Compound #46: Heptachlor #2





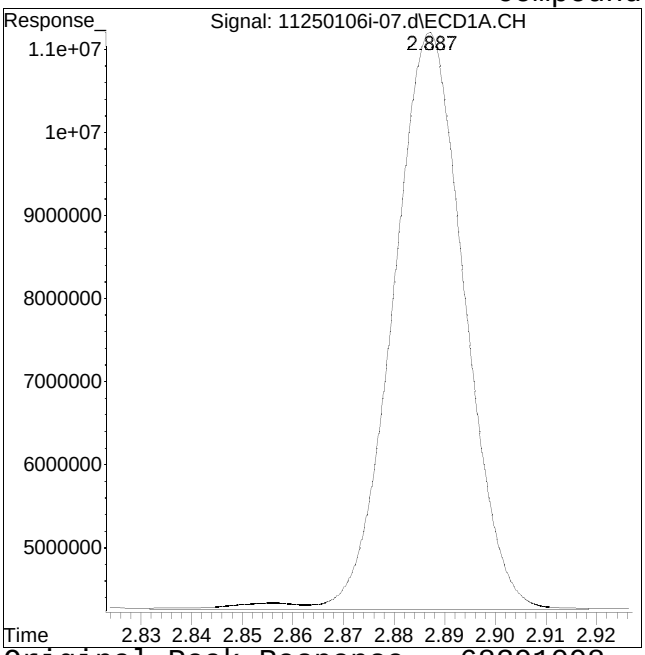
Original Peak Response = 41963581 Manual Peak Response = 41883325 M4
M4 = Poor automated baseline construction.

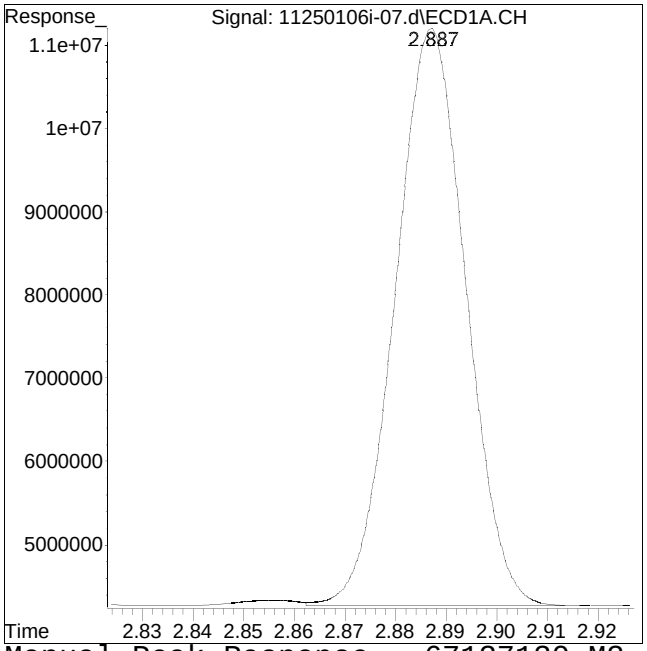
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-07.d
Date Inj'd : 1/6/2025 13:34
Sample : il5pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:07 pm

Compound #9: Aldrin





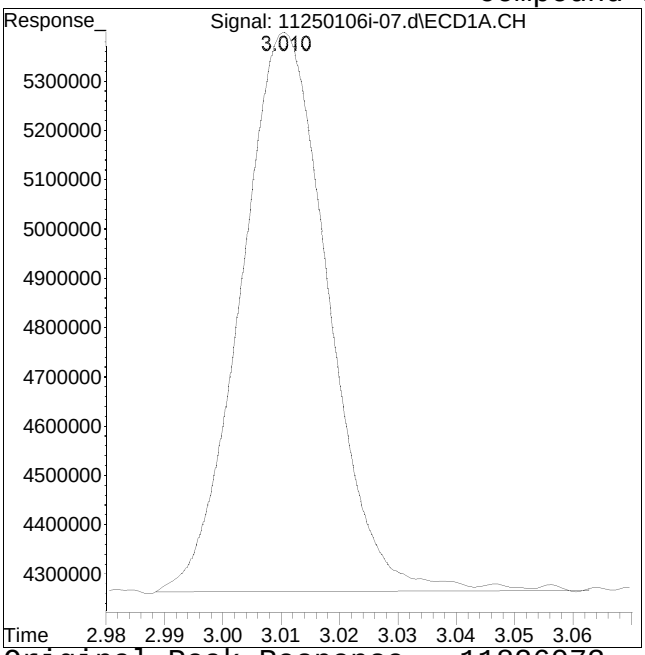
Original Peak Response = 68391098 Manual Peak Response = 67137130 M3

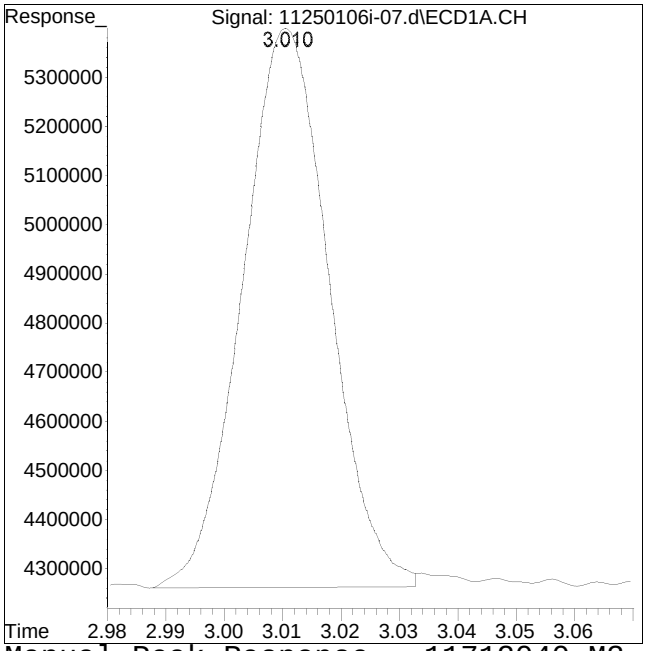
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-07.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:34 Instrument : Pest 11
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:07 pm

Compound #10: Alachlor



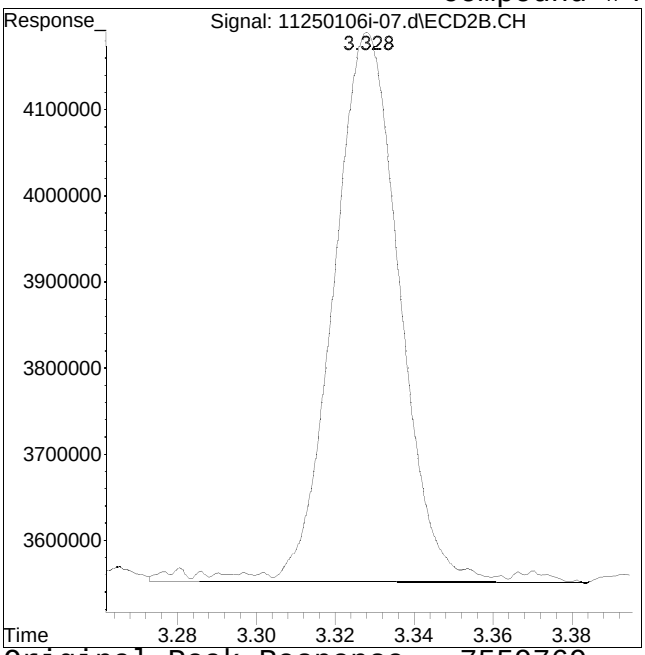


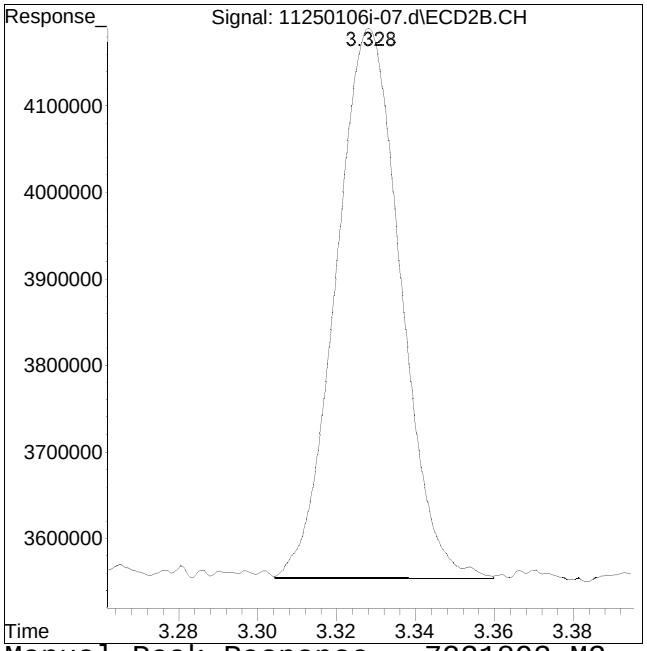
Original Peak Response = 11826073 Manual Peak Response = 11712040 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-07.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:34 Instrument : Pest 11
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:07 pm

Compound #48: Alachlor #2



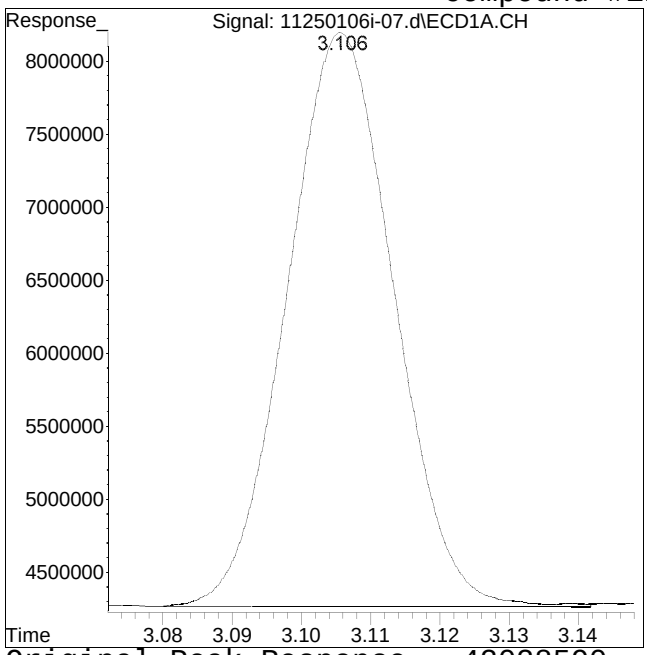


Original Peak Response = 7559769 Manual Peak Response = 7231893 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

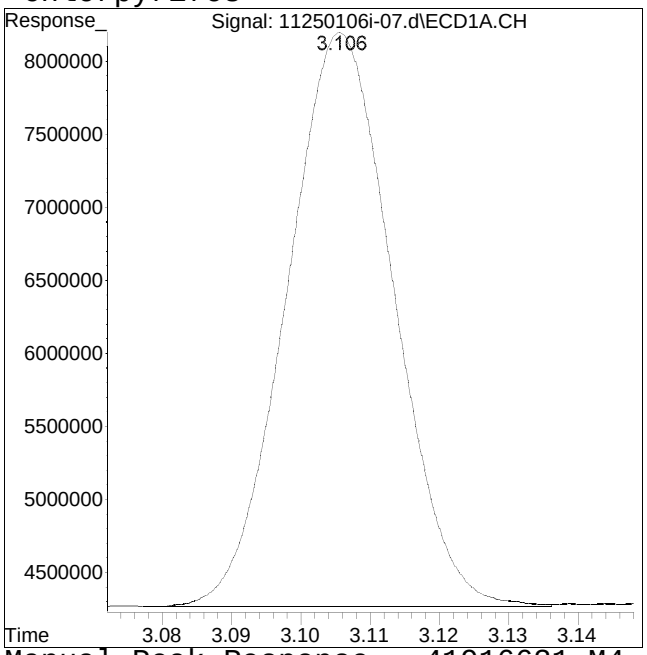
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-07.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:34 Instrument : Pest 11
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:07 pm

Compound #11: Chlorpyrifos



Original Peak Response = 42028590



Manual Peak Response = 41916631 M4

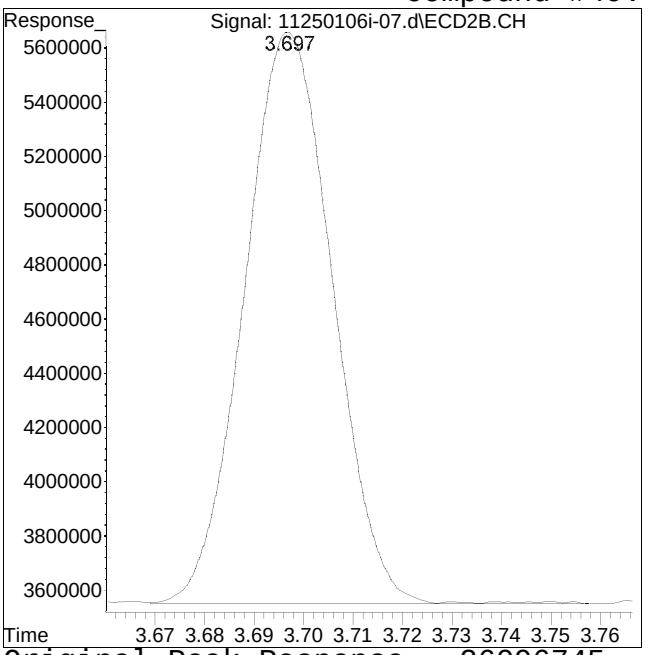
M4 = Poor automated baseline construction.

Manual Integration Report

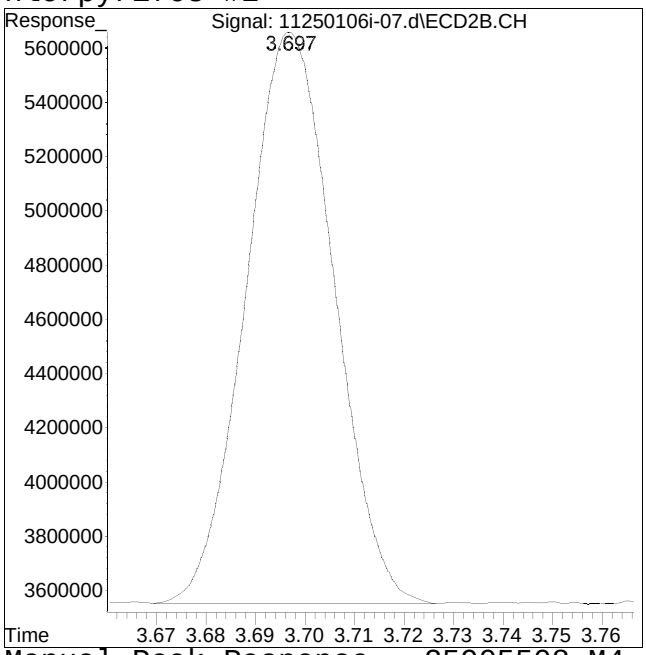
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-07.d
Date Inj'd : 1/6/2025 13:34
Sample : il5pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:07 pm

Compound #49: Chlorpyrifos #2



Original Peak Response = 26096745



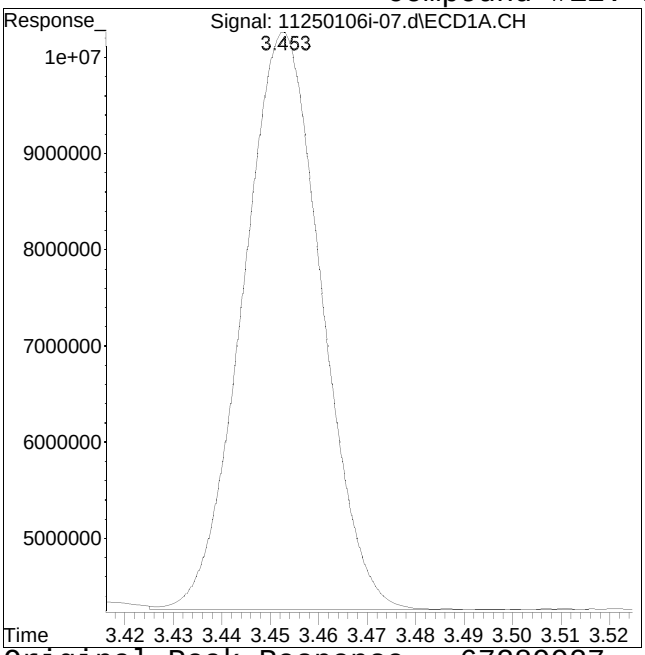
Manual Peak Response = 25905508 M4

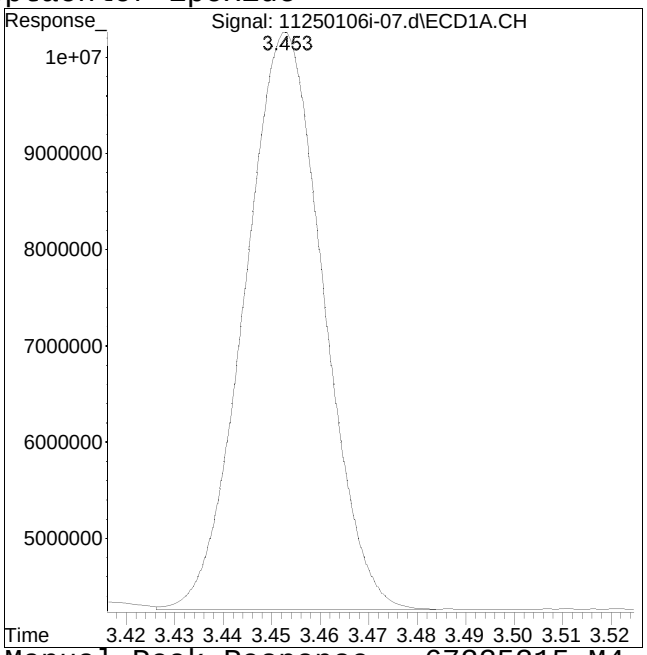
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-07.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:34 Instrument : Pest 11
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:07 pm

Compound #12: Heptachlor Epoxide





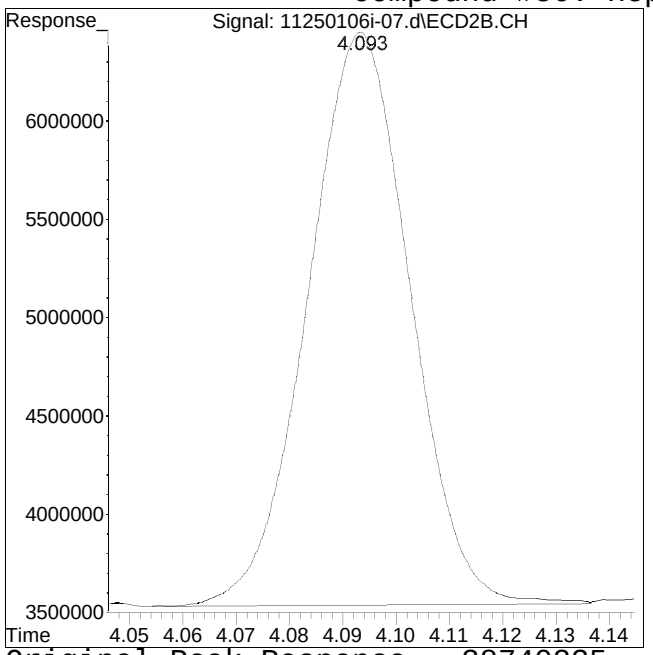
Original Peak Response = 67289927 Manual Peak Response = 67235315 M4
M4 = Poor automated baseline construction.

Manual Integration Report

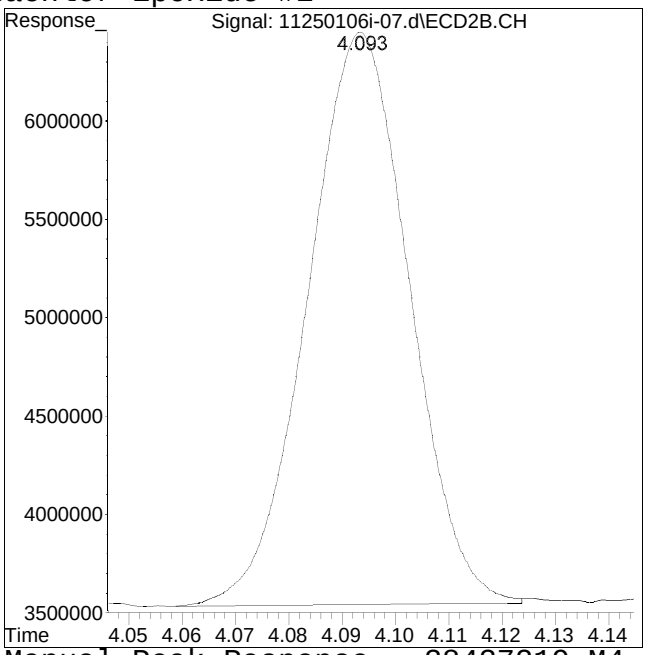
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-07.d
Date Inj'd : 1/6/2025 13:34
Sample : il5pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:07 pm

Compound #50: Heptachlor Epoxide #2



Original Peak Response = 38740235



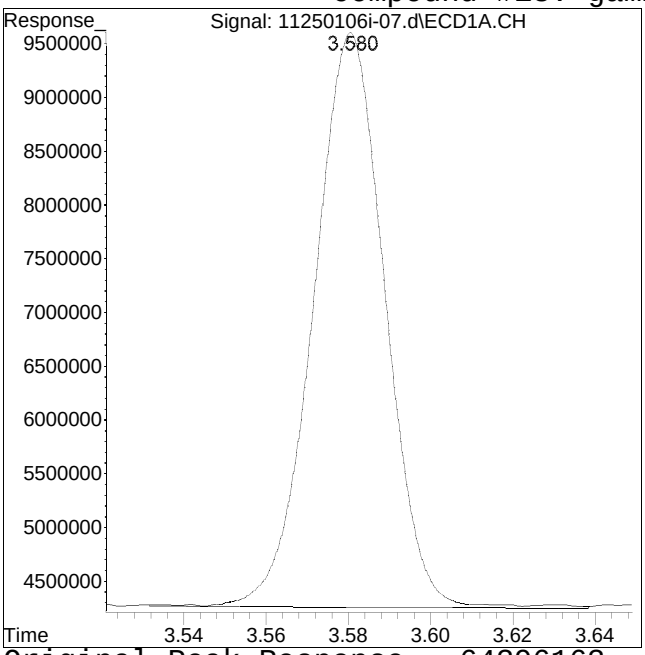
Manual Peak Response = 38437219 M4

M4 = Poor automated baseline construction.

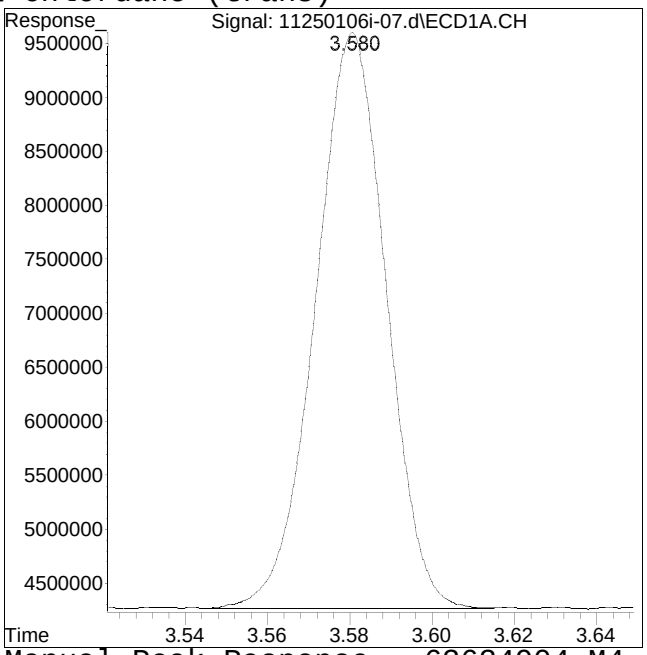
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-07.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:34 Instrument : Pest 11
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:07 pm

Compound #13: gamma-Chlordane (trans)



Original Peak Response = 64396163



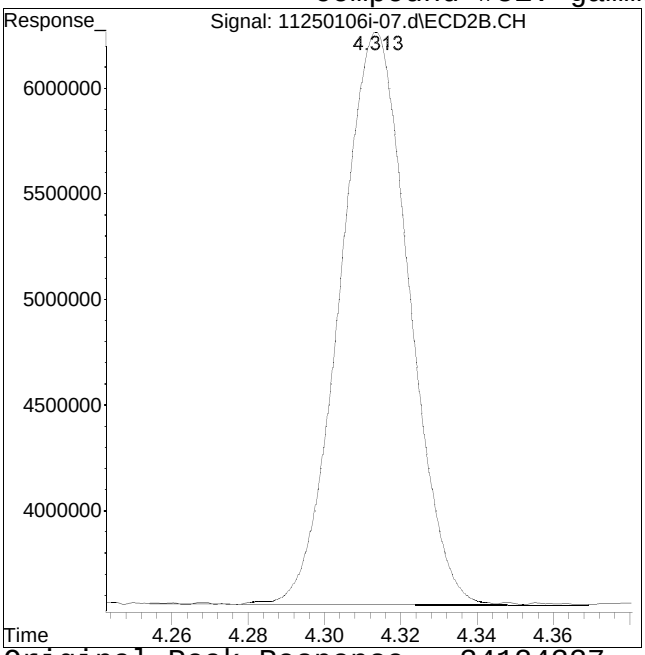
Manual Peak Response = 63634904 M4

M4 = Poor automated baseline construction.

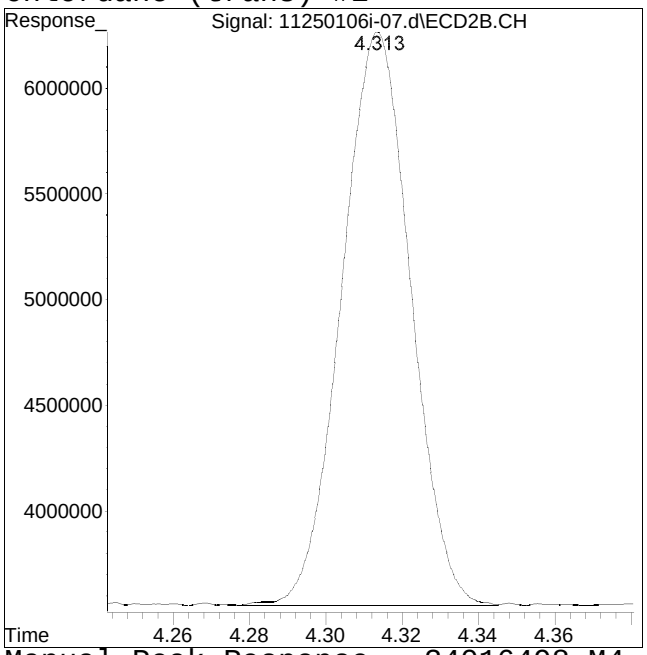
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-07.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:34 Instrument : Pest 11
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:07 pm

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 34124337



Manual Peak Response = 34016498 M4

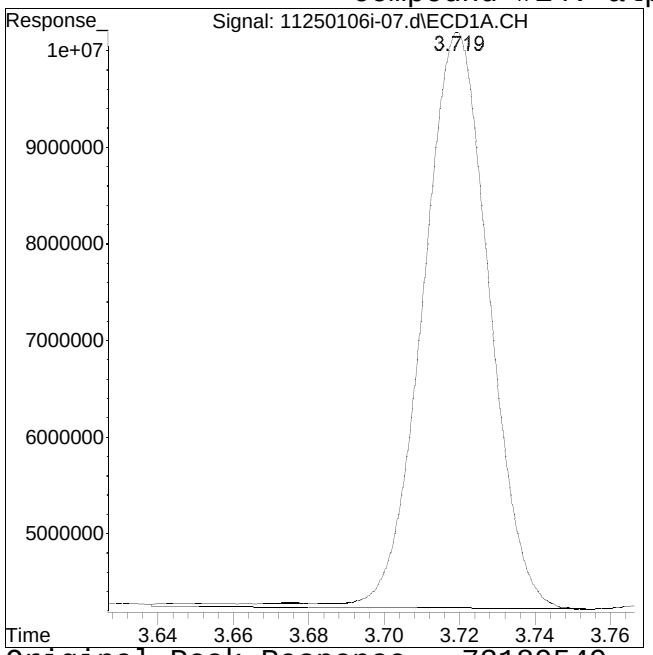
M4 = Poor automated baseline construction.

Manual Integration Report

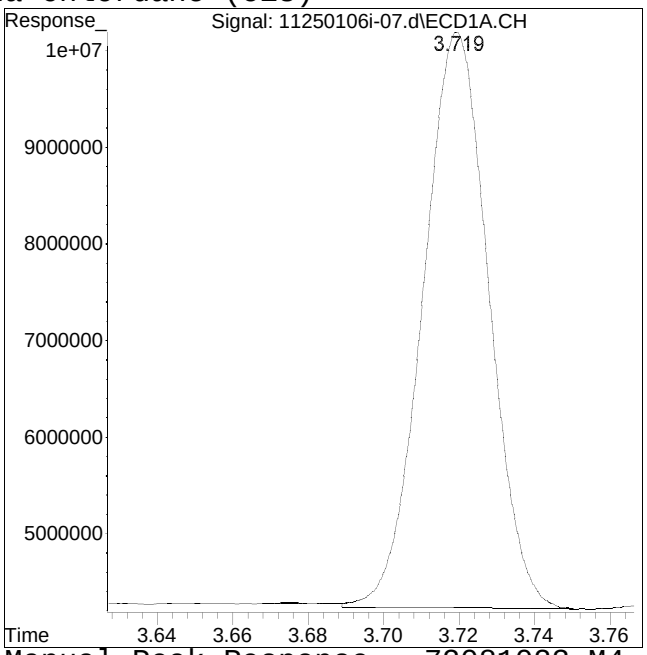
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-07.d
Date Inj'd : 1/6/2025 13:34
Sample : il5pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:07 pm

Compound #14: alpha-Chlordane (cis)



Original Peak Response = 73189549



Manual Peak Response = 72081023 M4

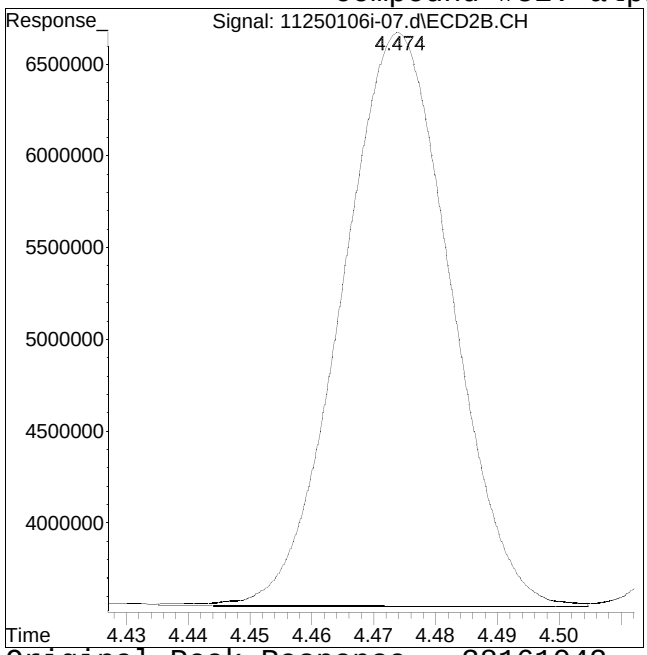
M4 = Poor automated baseline construction.

Manual Integration Report

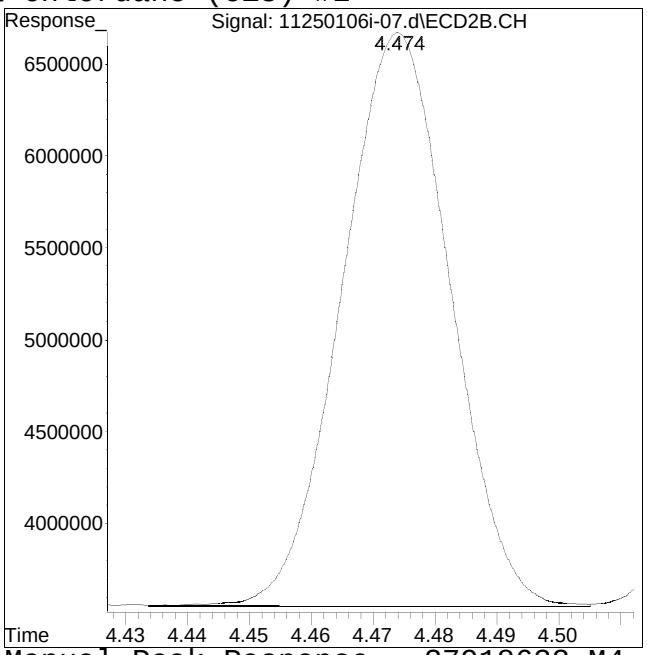
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-07.d
Date Inj'd : 1/6/2025 13:34
Sample : il5pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:07 pm

Compound #52: alpha-Chlordane (cis) #2



Original Peak Response = 38161042



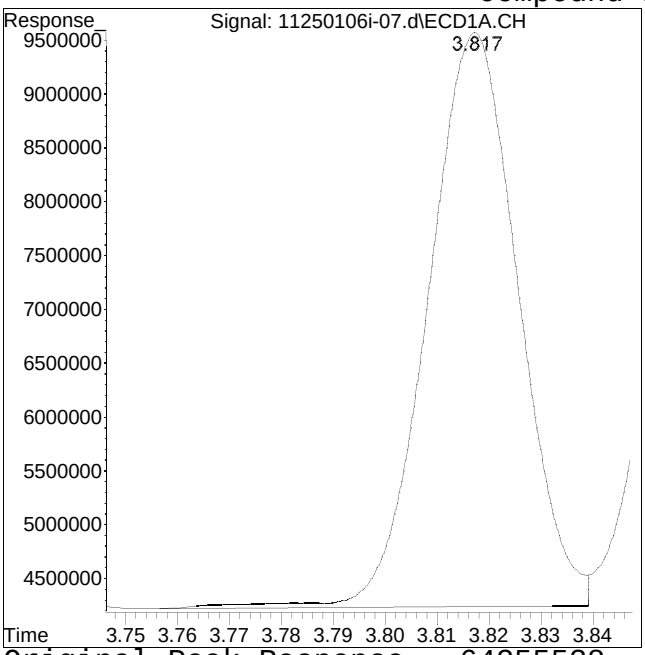
Manual Peak Response = 37918632 M4

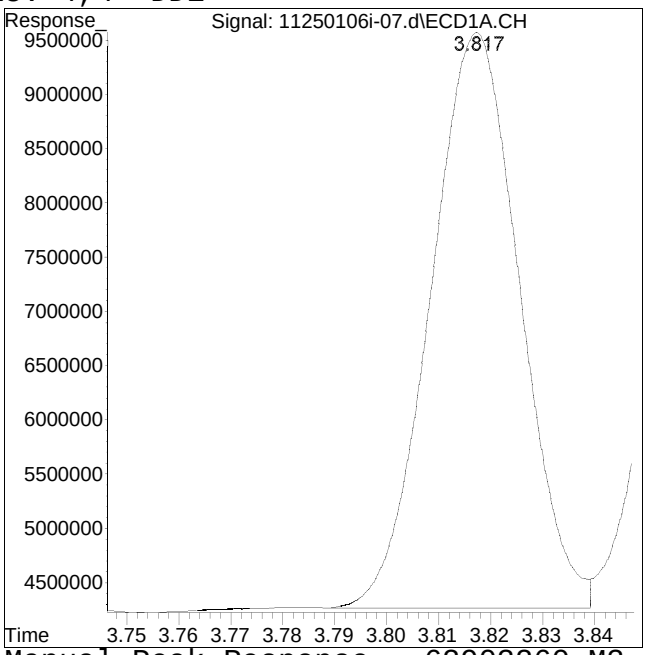
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-07.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:34 Instrument : Pest 11
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:07 pm

Compound #15: 4,4'-DDE



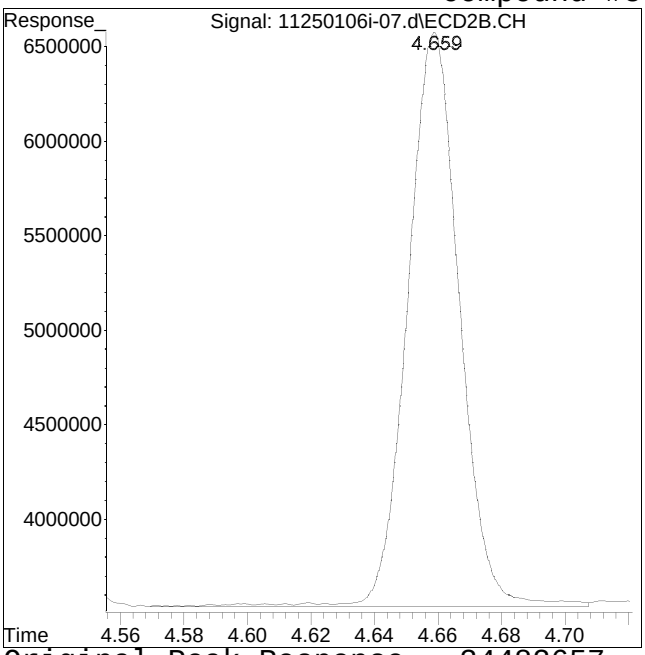


Original Peak Response = 64255538 Manual Peak Response = 62903260 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

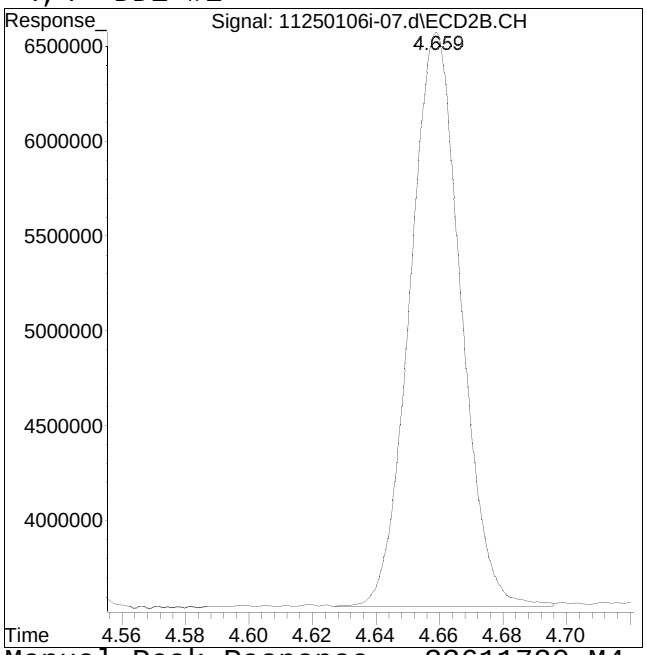
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-07.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:34 Instrument : Pest 11
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:07 pm

Compound #53: 4,4'-DDE #2



Original Peak Response = 34482657



Manual Peak Response = 33611720 M4

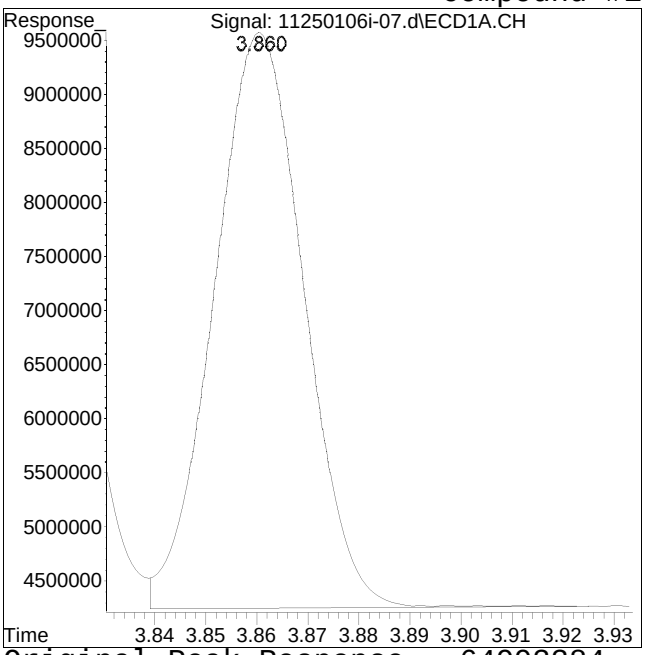
M4 = Poor automated baseline construction.

Manual Integration Report

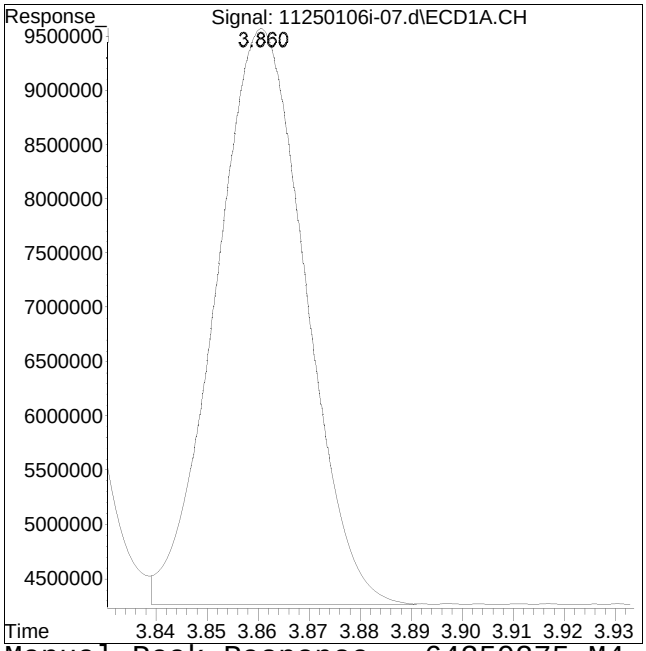
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-07.d
Date Inj'd : 1/6/2025 13:34
Sample : il5pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:07 pm

Compound #16: Endosulfan I



Original Peak Response = 64993384



Manual Peak Response = 64350275 M4

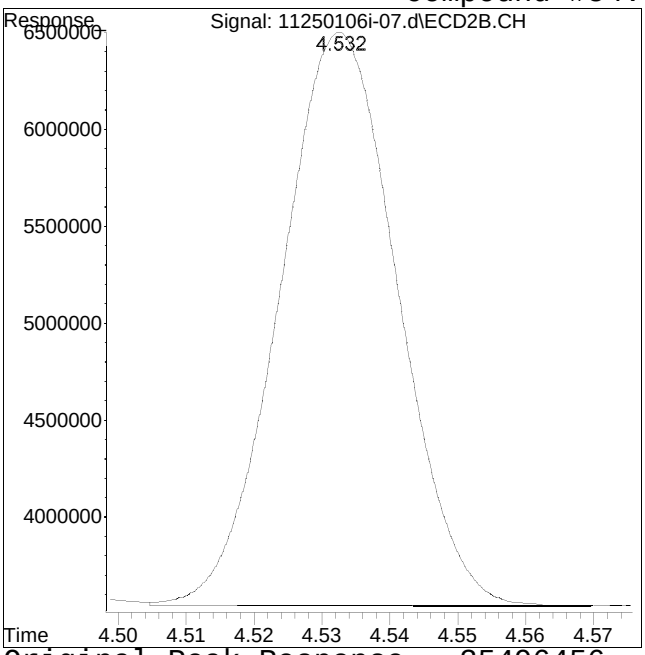
M4 = Poor automated baseline construction.

Manual Integration Report

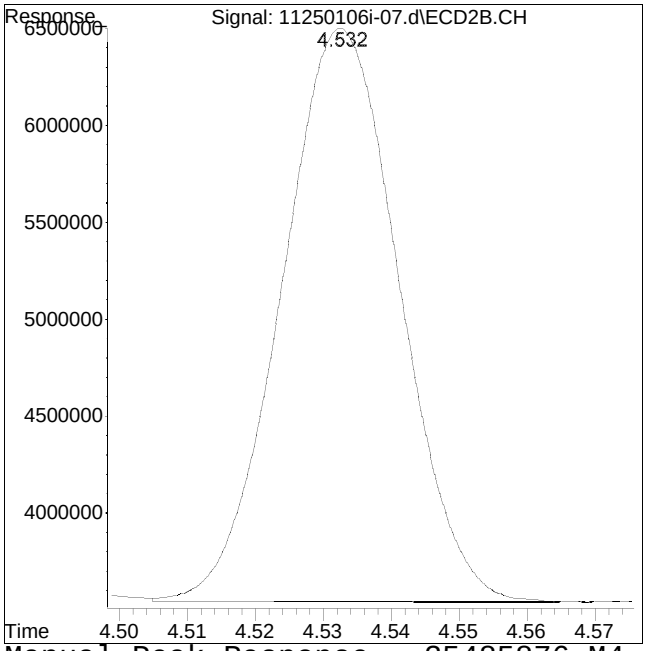
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-07.d
Date Inj'd : 1/6/2025 13:34
Sample : il5pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:07 pm

Compound #54: Endosulfan I #2



Original Peak Response = 35496456



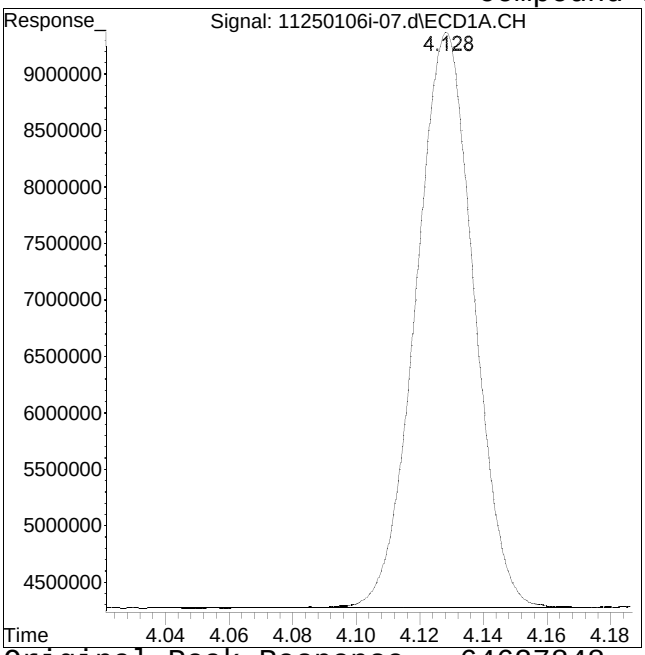
Manual Peak Response = 35485876 M4

M4 = Poor automated baseline construction.

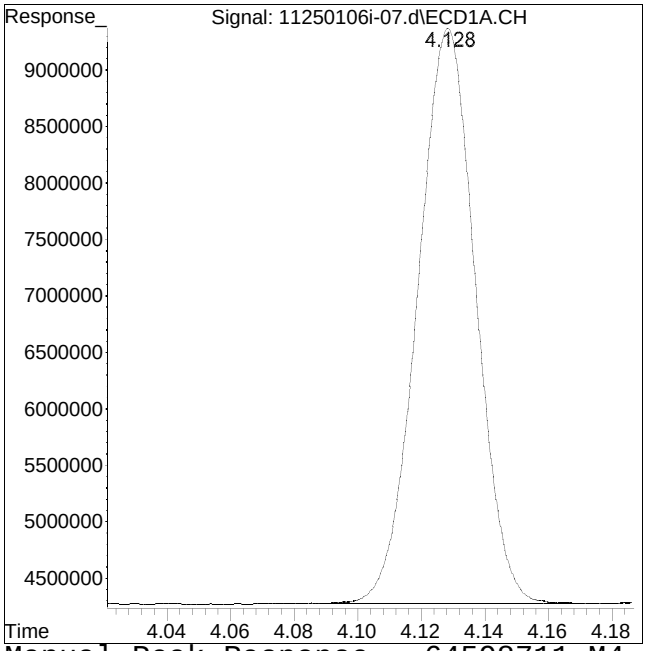
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-07.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:34 Instrument : Pest 11
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:07 pm

Compound #17: Dieldrin



Original Peak Response = 64627848



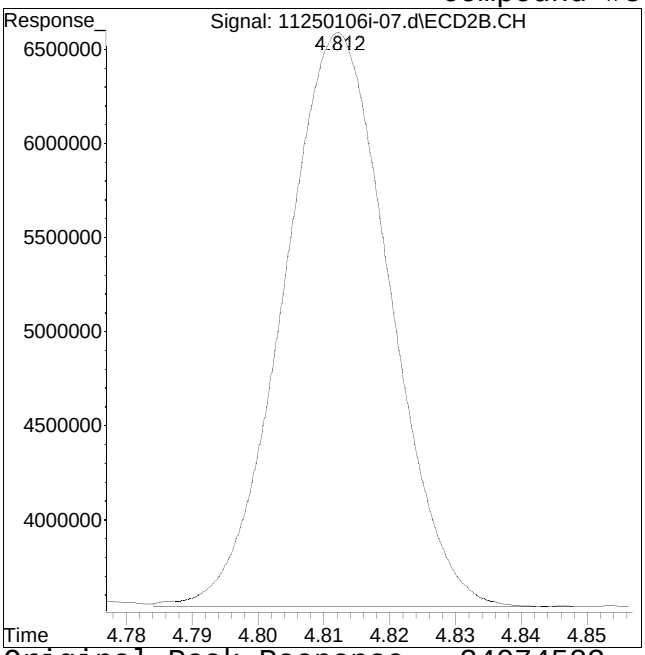
Manual Peak Response = 64598711 M4

M4 = Poor automated baseline construction.

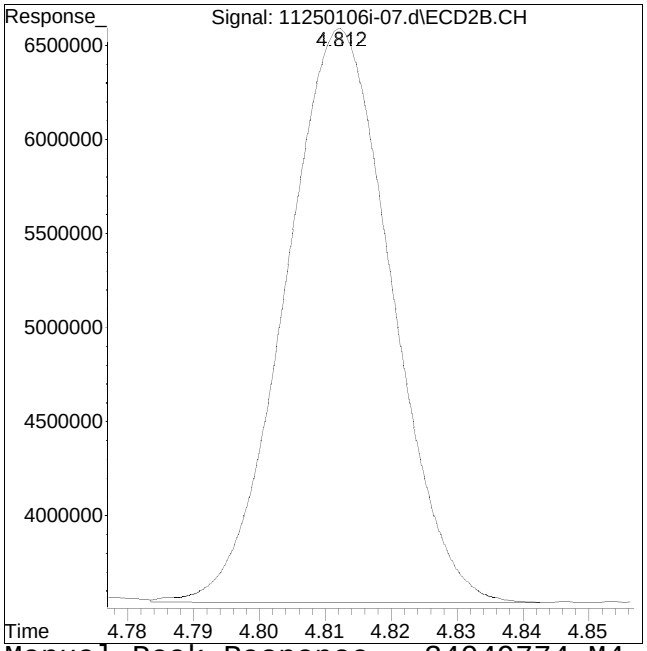
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-07.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:34 Instrument : Pest 11
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:07 pm

Compound #55: Dieldrin #2



Original Peak Response = 34074523



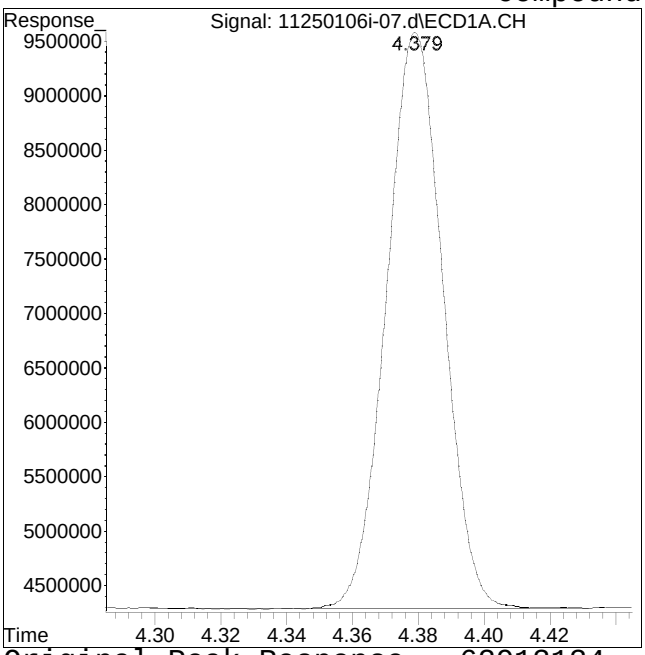
Manual Peak Response = 34049774 M4

M4 = Poor automated baseline construction.

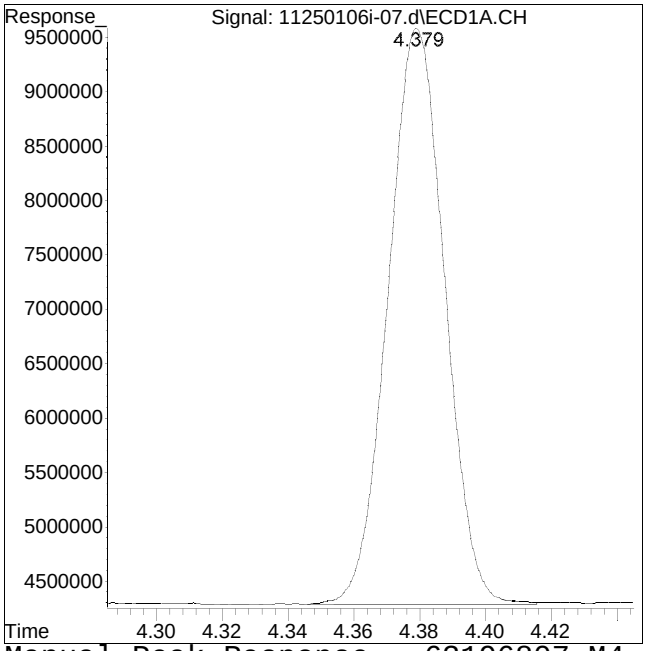
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-07.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:34 Instrument : Pest 11
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:07 pm

Compound #18: Endrin



Original Peak Response = 62913134



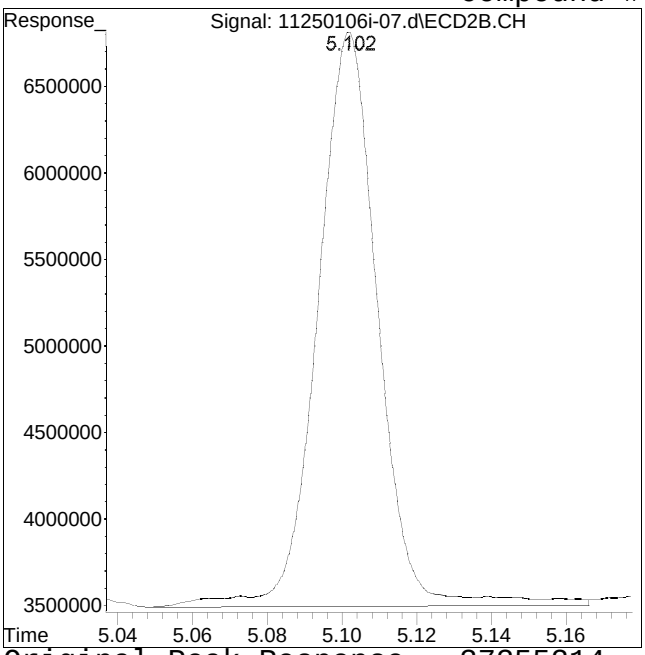
Manual Peak Response = 63196807 M4

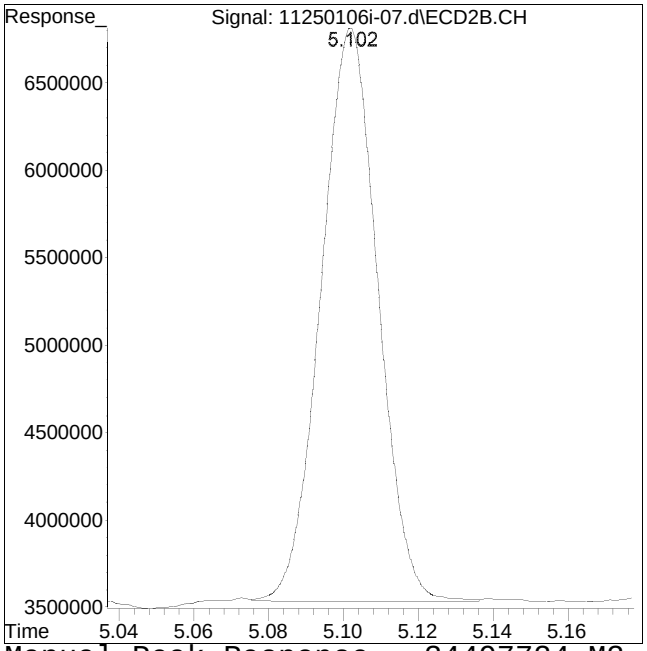
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-07.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:34 Instrument : Pest 11
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:07 pm

Compound #56: Endrin #2



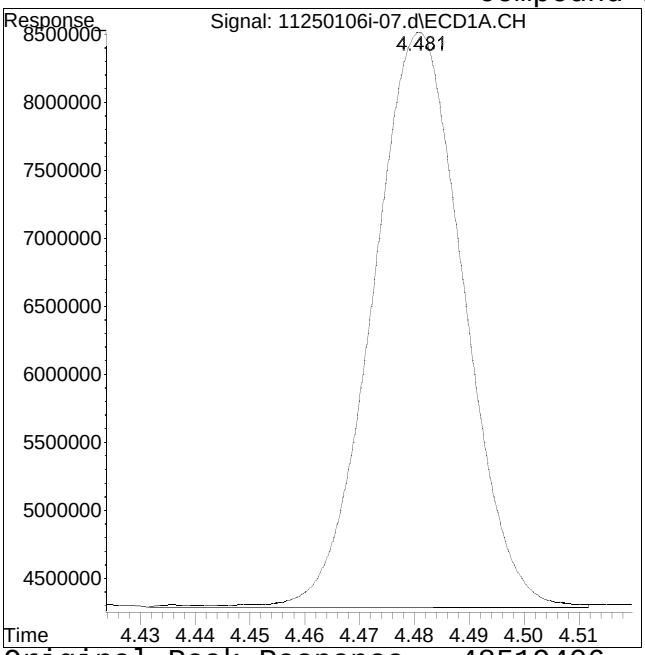


Original Peak Response = 37355214 Manual Peak Response = 34497724 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

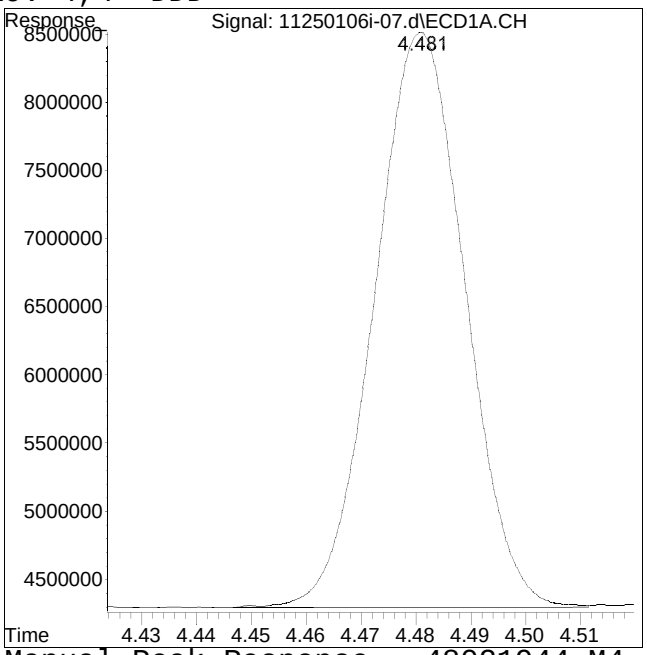
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-07.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:34 Instrument : Pest 11
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:07 pm

Compound #19: 4,4'-DDD



Original Peak Response = 48519406



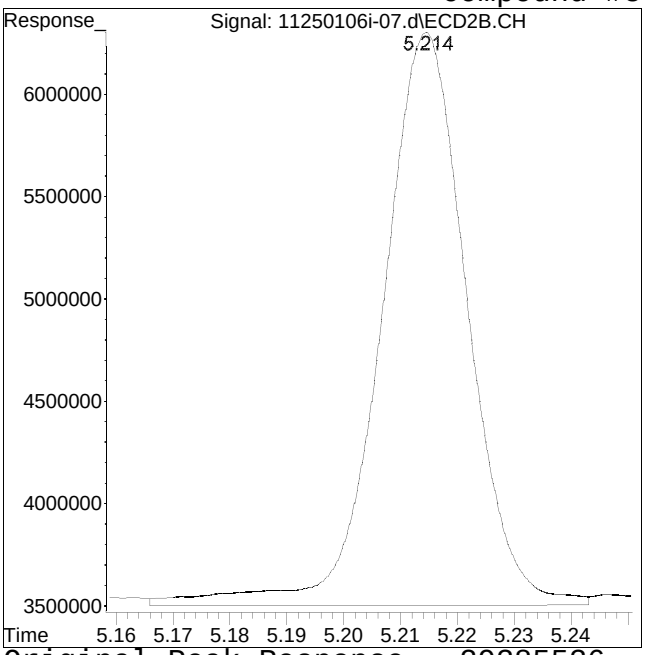
Manual Peak Response = 48021944 M4

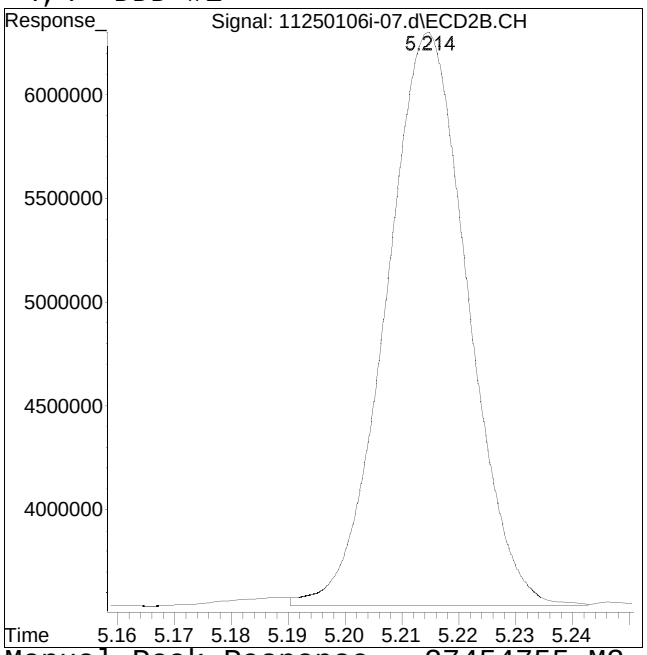
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-07.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:34 Instrument : Pest 11
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:07 pm

Compound #57: 4,4'-DDD #2



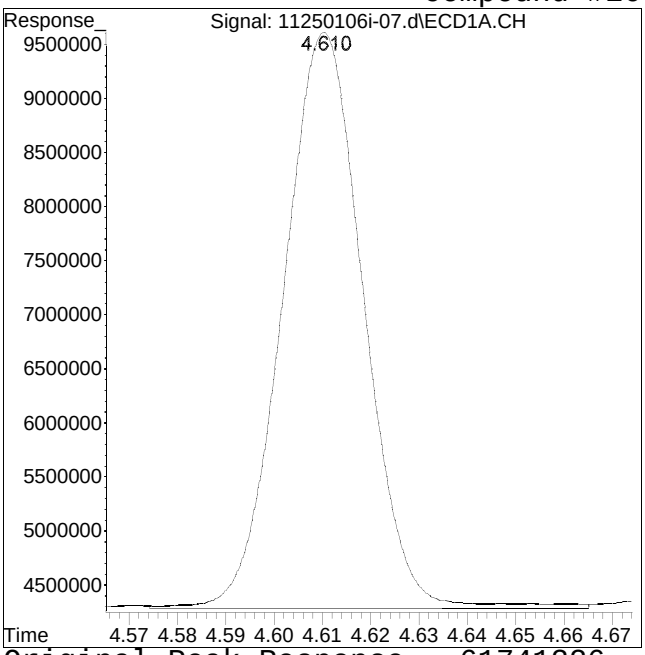


Original Peak Response = 29385536 Manual Peak Response = 27454755 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

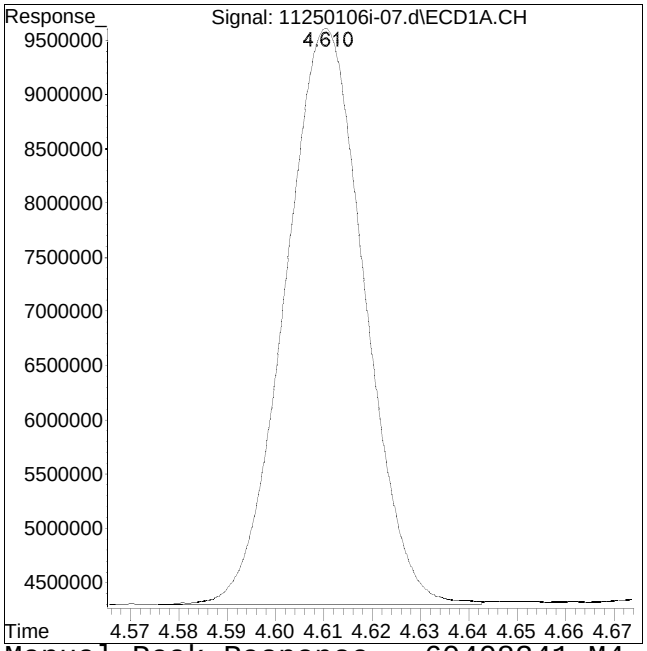
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-07.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:34 Instrument : Pest 11
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:07 pm

Compound #20: Endosulfan II



Original Peak Response = 61741226



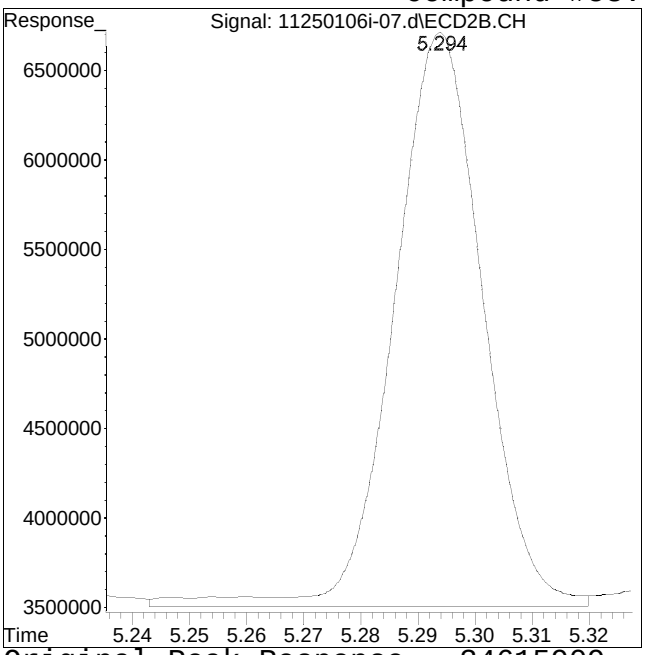
Manual Peak Response = 60408341 M4

M4 = Poor automated baseline construction.

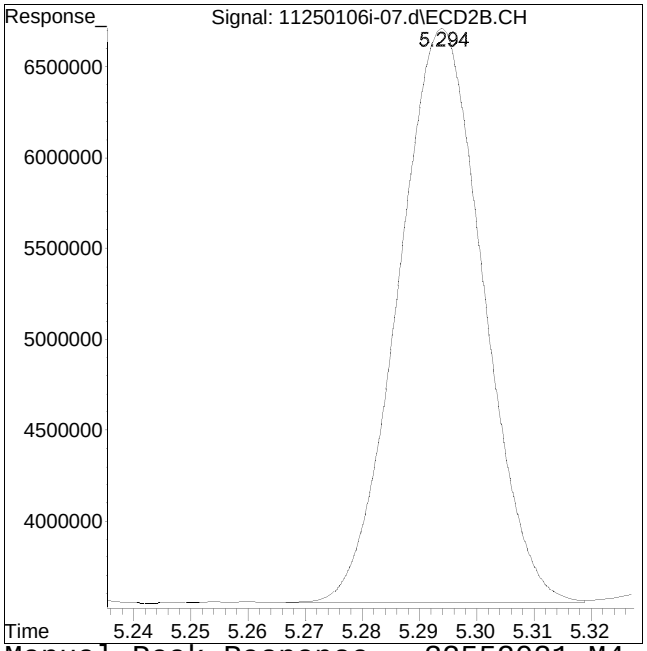
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-07.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:34 Instrument : Pest 11
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:07 pm

Compound #58: Endosulfan II #2



Original Peak Response = 34615909



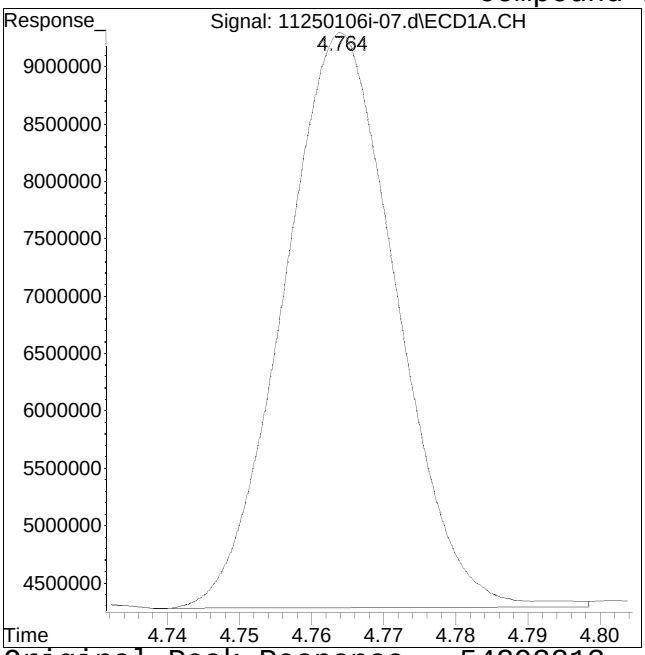
Manual Peak Response = 32552021 M4

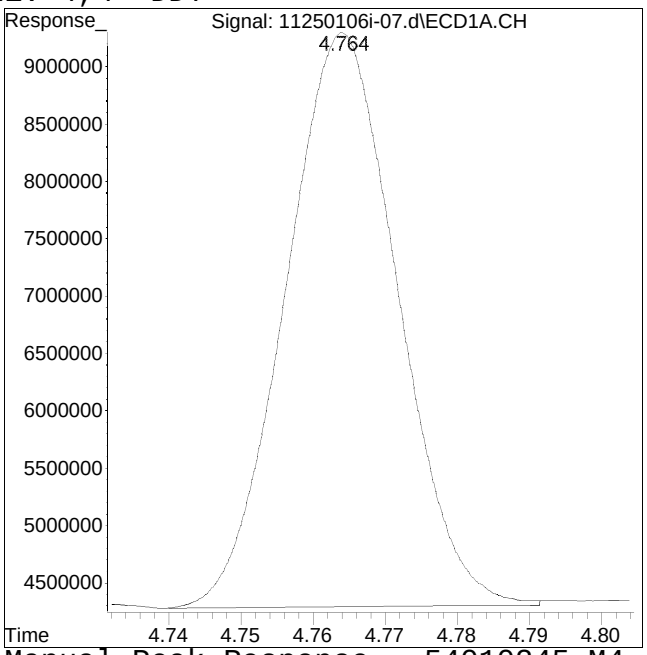
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-07.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:34 Instrument : Pest 11
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:07 pm

Compound #21: 4,4'-DDT



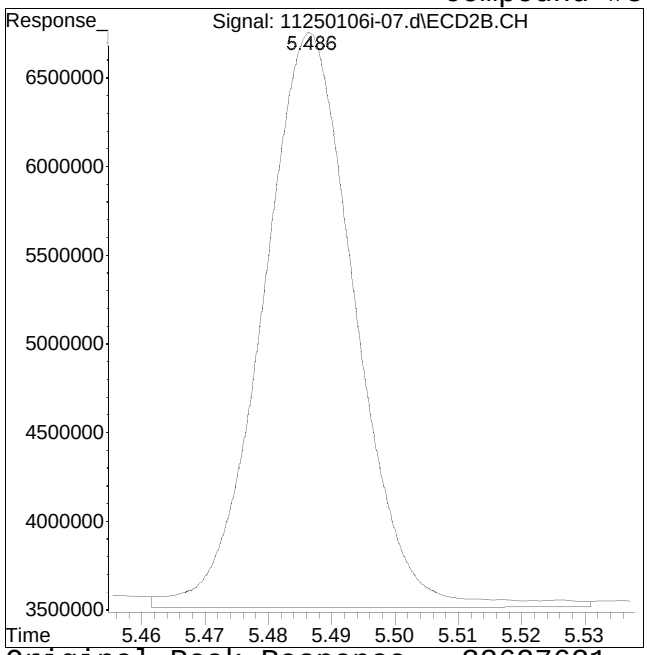


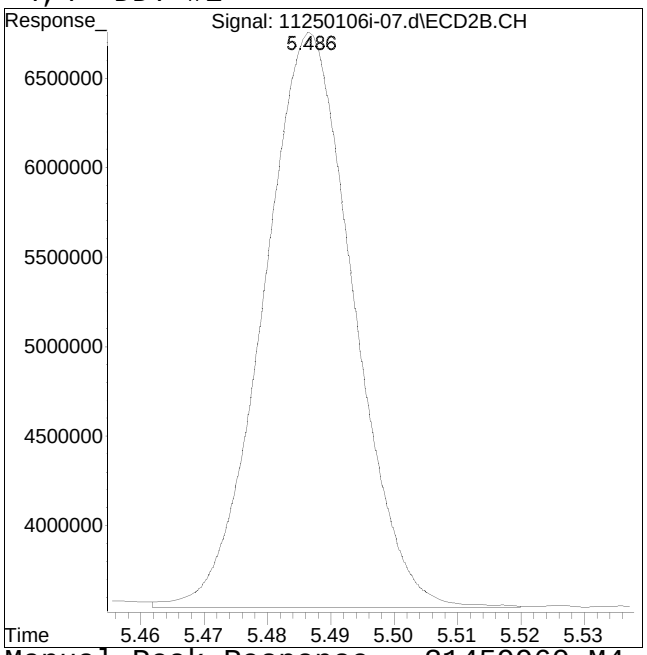
Original Peak Response = 54293213 Manual Peak Response = 54010245 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-07.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:34 Instrument : Pest 11
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:07 pm

Compound #59: 4,4'-DDT #2



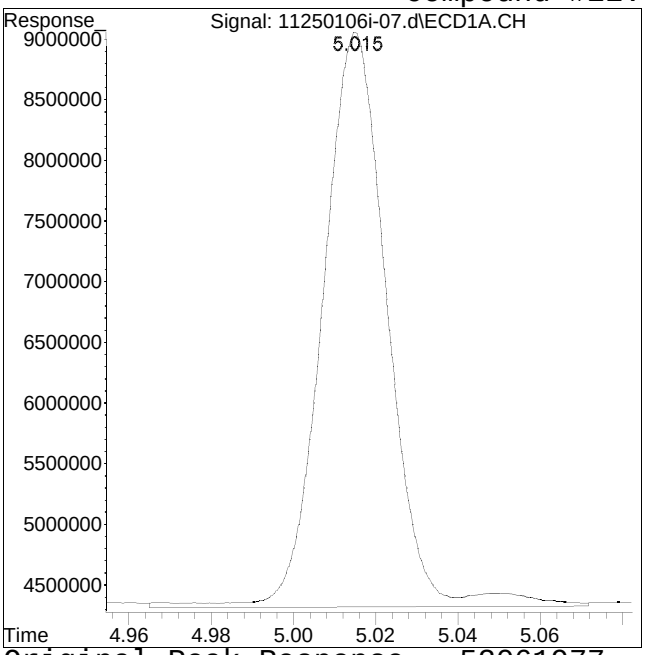


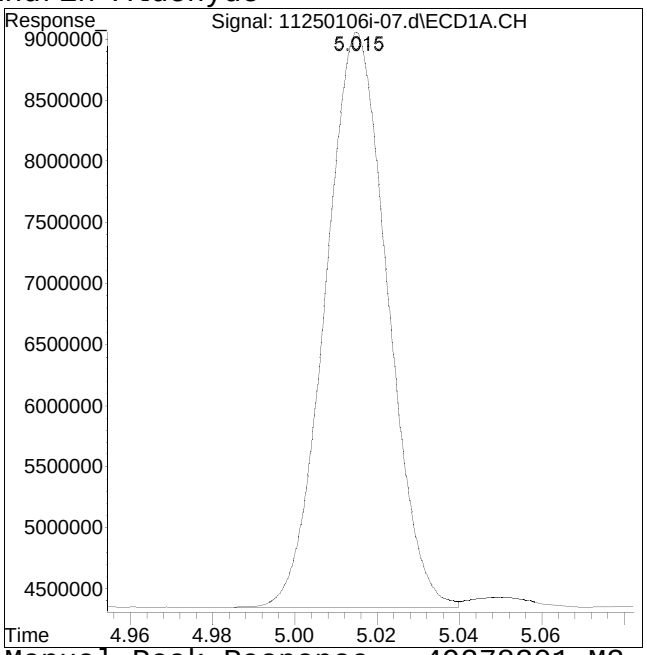
Original Peak Response = 32627621 Manual Peak Response = 31459960 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-07.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:34 Instrument : Pest 11
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:07 pm

Compound #22: Endrin Aldehyde



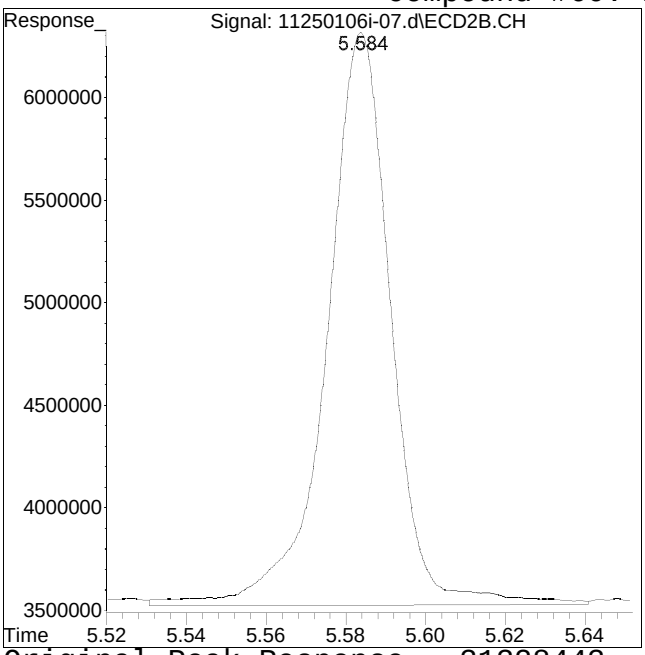


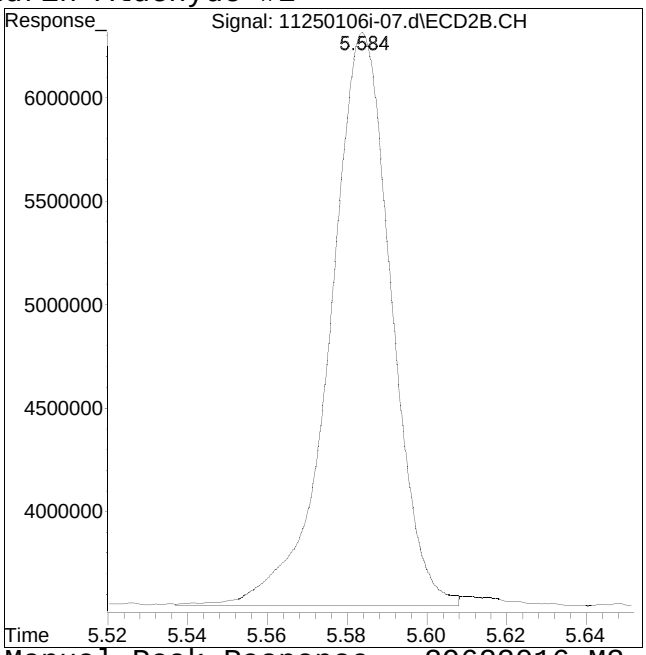
Original Peak Response = 52061977 Manual Peak Response = 49278301 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-07.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:34 Instrument : Pest 11
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:07 pm

Compound #60: Endrin Aldehyde #2



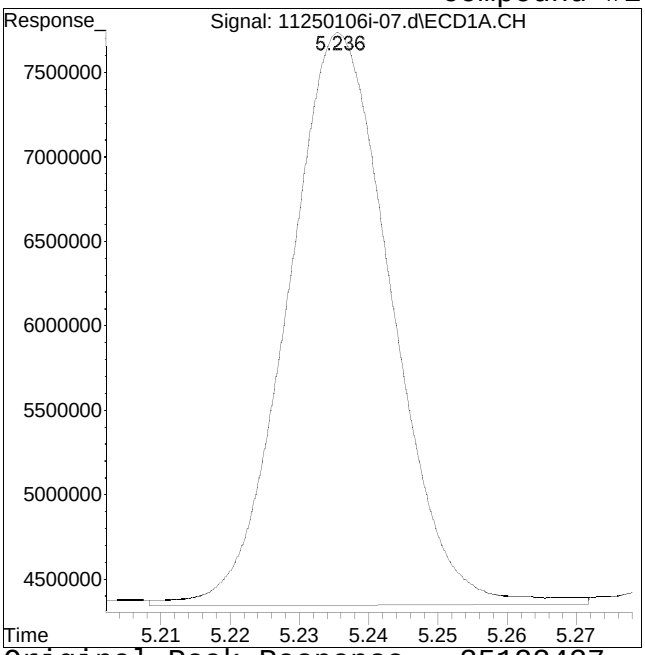


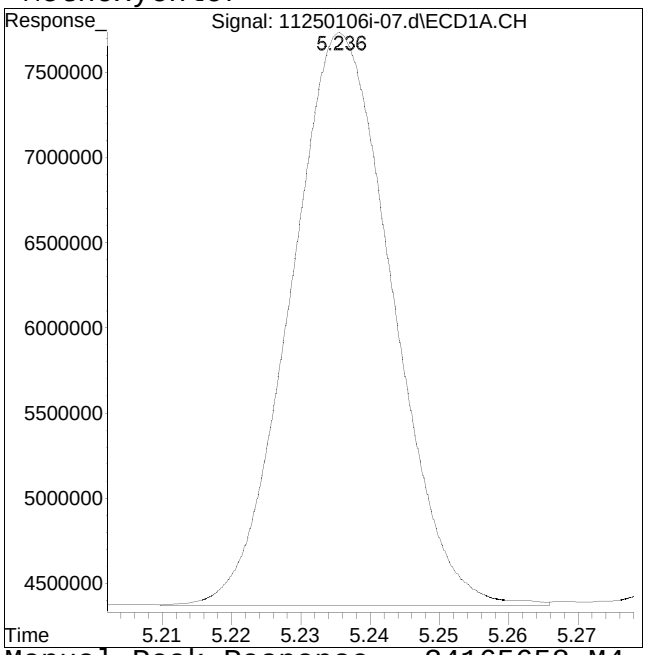
Original Peak Response = 31328443 Manual Peak Response = 29622016 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-07.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:34 Instrument : Pest 11
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:07 pm

Compound #23: Methoxychlor



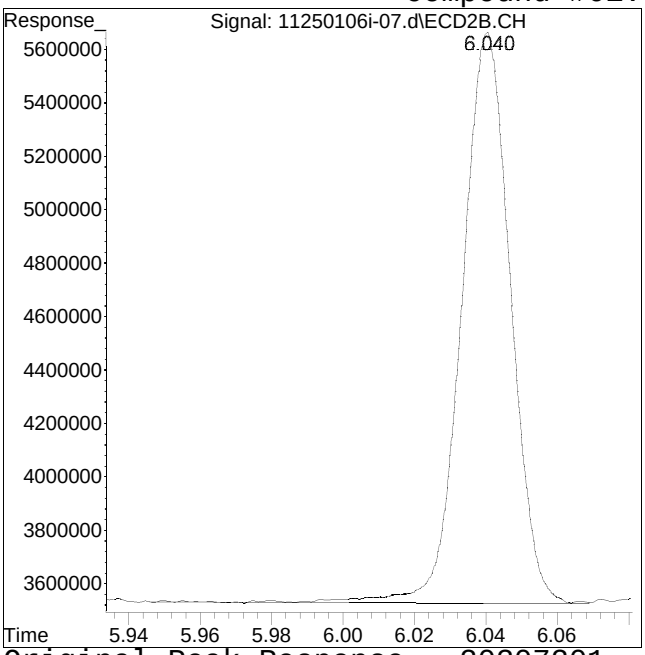


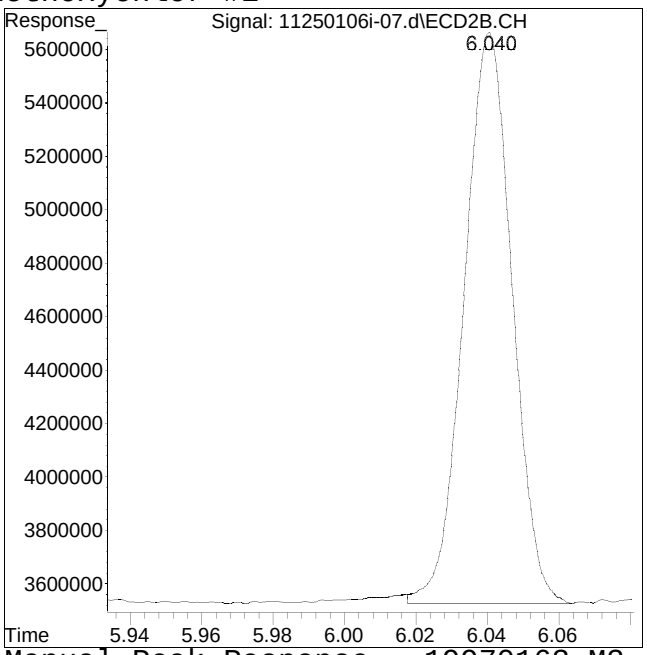
Original Peak Response = 35122437 Manual Peak Response = 34165658 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-07.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:34 Instrument : Pest 11
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:07 pm

Compound #61: Methoxychlor #2



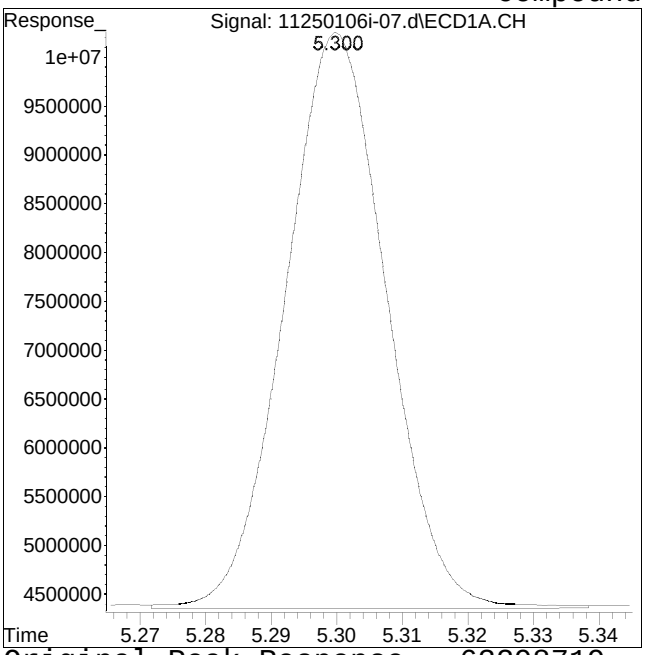


Original Peak Response = 20307201 Manual Peak Response = 19970163 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

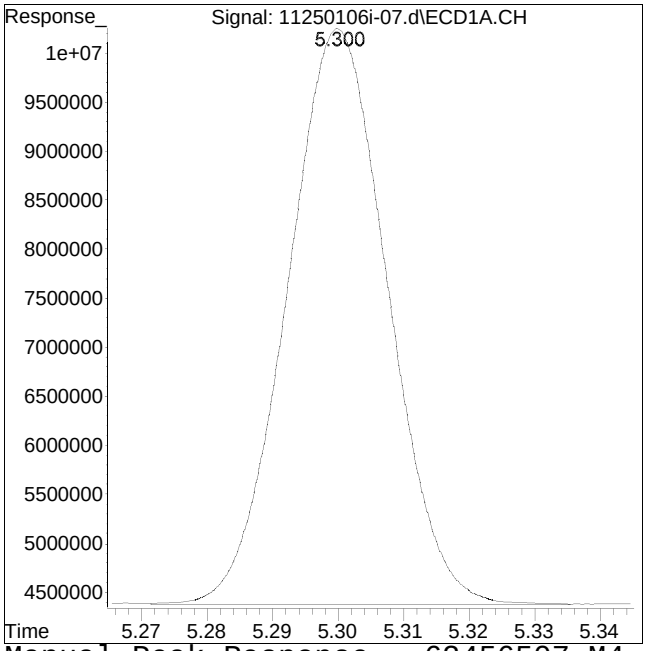
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-07.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:34 Instrument : Pest 11
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:07 pm

Compound #24: Mirex



Original Peak Response = 63298719



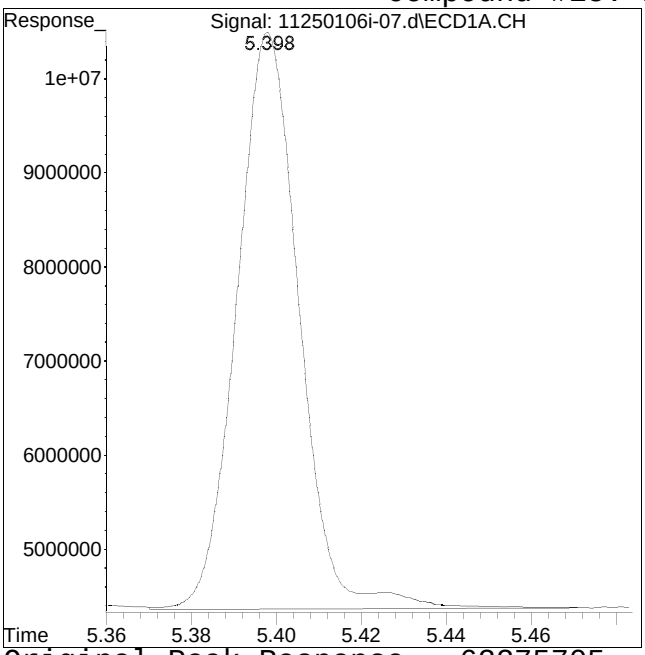
Manual Peak Response = 62456507 M4

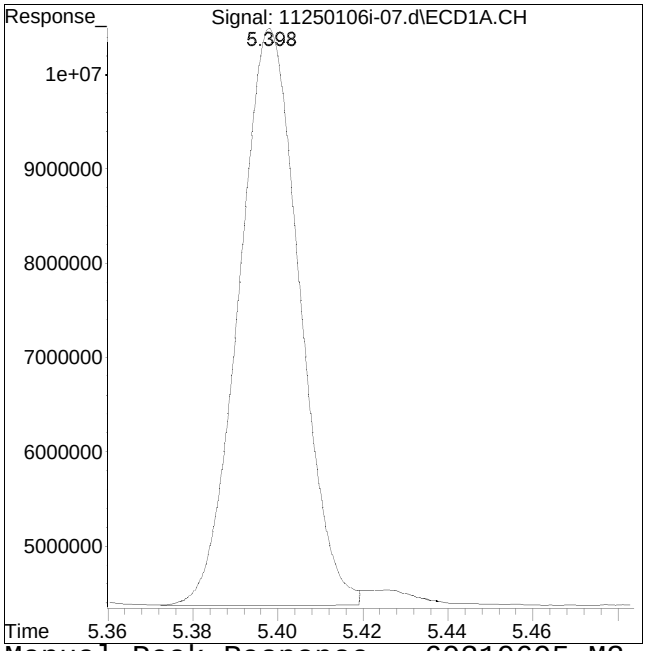
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-07.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:34 Instrument : Pest 11
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:07 pm

Compound #25: Endosulfan Sulfate



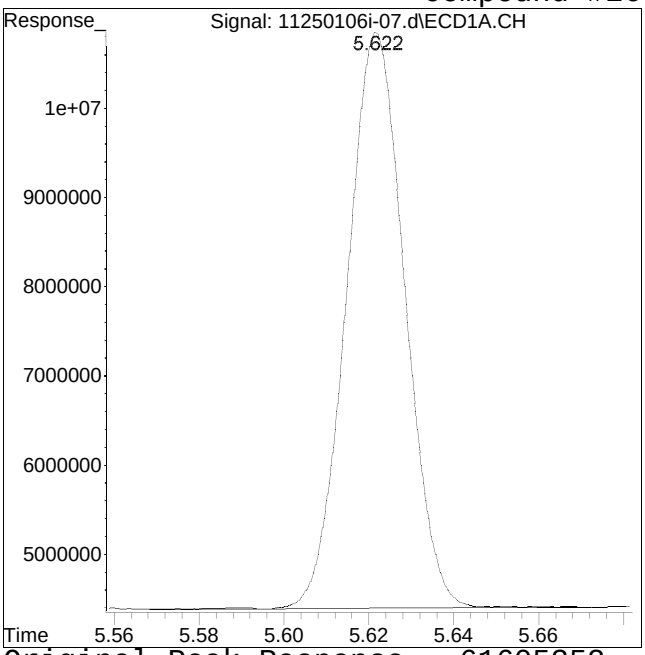


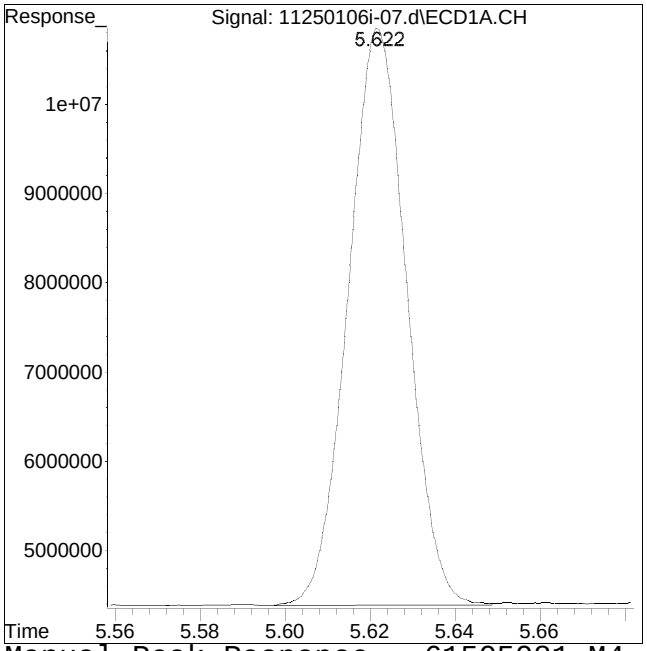
Original Peak Response = 62275705 Manual Peak Response = 60310695 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-07.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:34 Instrument : Pest 11
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:07 pm

Compound #26: Endrin Ketone





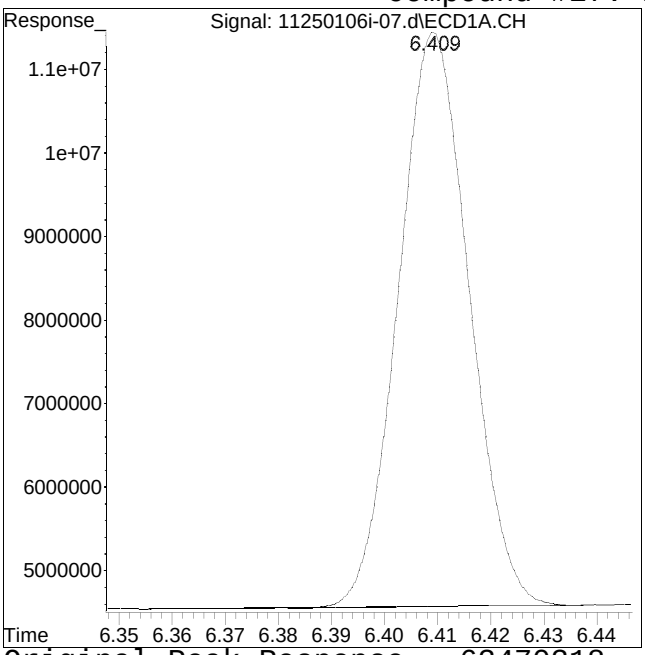
Original Peak Response = 61605352 Manual Peak Response = 61505081 M4
M4 = Poor automated baseline construction.

Manual Integration Report

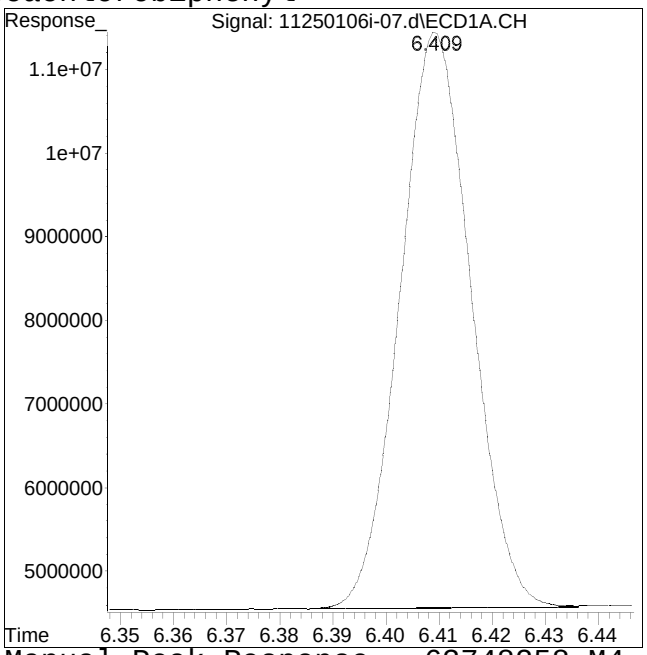
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-07.d
Date Inj'd : 1/6/2025 13:34
Sample : il5pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:07 pm

Compound #27: Decachlorobiphenyl



Original Peak Response = 63470318



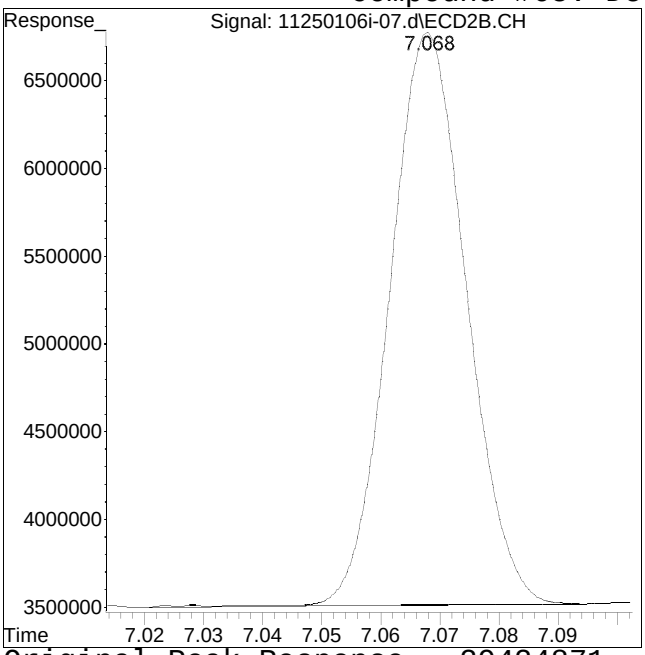
Manual Peak Response = 63748258 M4

M4 = Poor automated baseline construction.

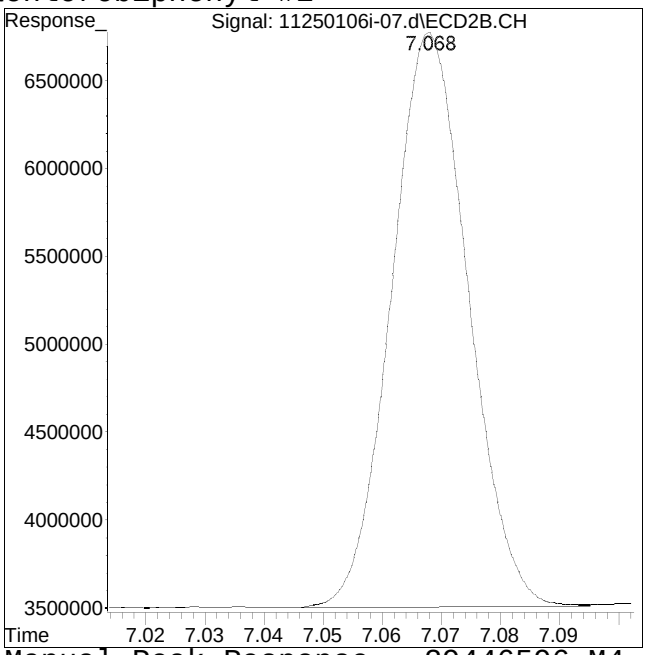
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-07.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:34 Instrument : Pest 11
Sample : il5pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:07 pm

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 29424871



Manual Peak Response = 29446596 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 13:46
Operator : PEST11:akm
Sample : il7pest,42e,,pp 11941 L0.01
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:01:10 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:01:04 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
		Internal Standards						
1)	i	1-br-2-nb_Pe	1.373	1.454	317.2E6	180.7E6	25.000M3	25.000M3
28)	i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33)	i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
		System Monitoring Compounds						
2)	s	2,4,5,6-Tetr	1.731	1.959	151.8E6	72691955	9.759M3	9.856
		Spiked Amount	50.000	Range 30 - 150		Recovery =	19.52%#	19.71%#
27)	s	Decachlorobi	6.410	7.069	145.2E6	65038071	10.783M4	10.833M4
		Spiked Amount	50.000	Range 30 - 150		Recovery =	21.57%#	21.67%#
		Target Compounds						
3)	t	Hexachlorobe	1.955	2.298	168.6E6	82580793	10.104M3	10.487
4)	t	alpha-BHC	2.058	2.399	198.8E6	98824140	8.377M3	8.717
5)	t	gamma-BHC (l	2.271	2.700	181.5E6	93183490	8.667M3	9.090M4
6)	t	beta-BHC	2.329	2.767	86421227	45954719	9.971M3	10.935M3
7)	t	delta-BHC	2.463	3.048	182.1E6	93815554	8.426M3	8.910
8)	t	Heptachlor	2.634	3.119	179.2E6	98793325	9.837M3	10.059M4
9)	t	Aldrin	2.887	3.453	175.5E6	86473583	9.112M3	9.343M4
10)	t	Alachlor	3.010	3.328	28938984	16259880	11.901M4	12.879
11)	t	Chlorpyrifos	3.106	3.697	100.5E6	57803392	11.617M4	12.750

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 13:46
Operator : PEST11:akm
Sample : il7pest,42e,,pp 11941 L0.01
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:01:10 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:01:04 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.453	4.093	169.6E6	90624666	9.903M4	10.519
13)	t	gamma-Chlord	3.581	4.313	159.1E6	79090096	9.600M3	9.990M4
14)	t	alpha-Chlord	3.719	4.474	182.3E6	88479744	9.644M4	10.105M4
15)	t	4,4'-DDE	3.818	4.659	165.1E6	81038905	8.801M3	9.208M4
16)	t	Endosulfan I	3.861	4.532	162.2E6	82734102	9.807M4	10.357M4
17)	t	Dieldrin	4.129	4.812	164.1E6	80629455	9.311M4	9.606M4
18)	t	Endrin	4.380	5.102	161.8E6	82085164	9.425M4	9.667M3
19)	t	4,4'-DDD	4.481	5.215	123.3E6	65179739	8.774M3	9.299M3
20)	t	Endosulfan I	4.611	5.294	150.6E6	75892417	9.796M4	10.245M4
21)	t	4,4'-DDT	4.765	5.487	132.6E6	74901268	9.044M4	9.498M4
22)	t	Endrin Aldeh	5.016	5.584	125.6E6	69063322	9.748M4	11.097M3
23)	t	Methoxychlor	5.237	6.040	81518755	44889119	11.348M4	11.365M4
24)	t	Mirex	5.301	6.186	145.8E6	69384078	10.903M4	11.796M4
25)	t	Endosulfan S	5.399	5.809	150.1E6	74718868	9.820M3	10.433M4
26)	t	Endrin Keton	5.622	6.218	152.3E6	78297544	10.172M4	10.135M4
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 13:46
Operator : PEST11:akm
Sample : il7pest,42e,,pp 11941 L0.01
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:01:10 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:01:04 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

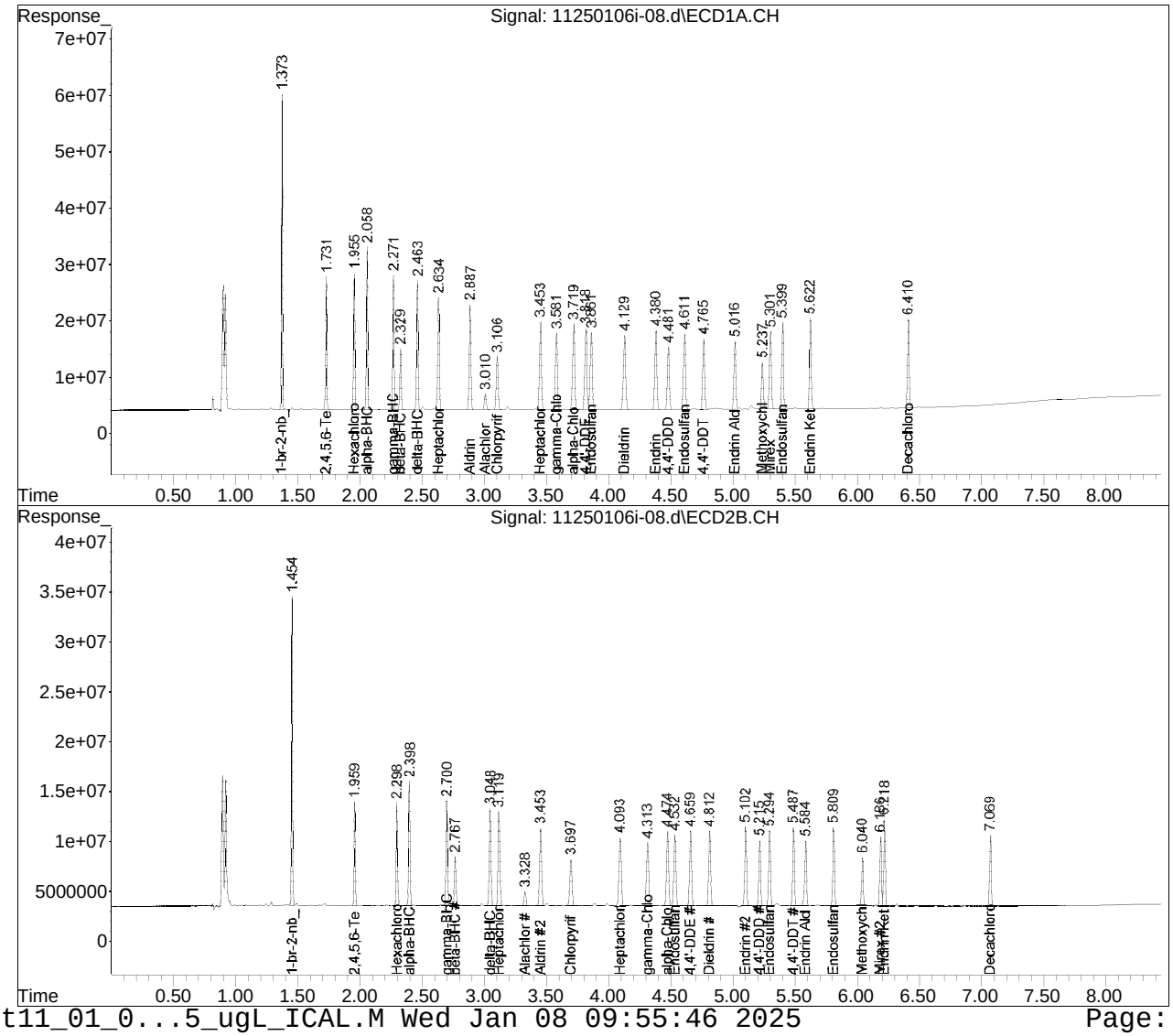
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 13:46
Operator : PEST11:akm
Sample : il7pest,42e,,pp 11941 L0.01
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:01:10 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:01:04 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

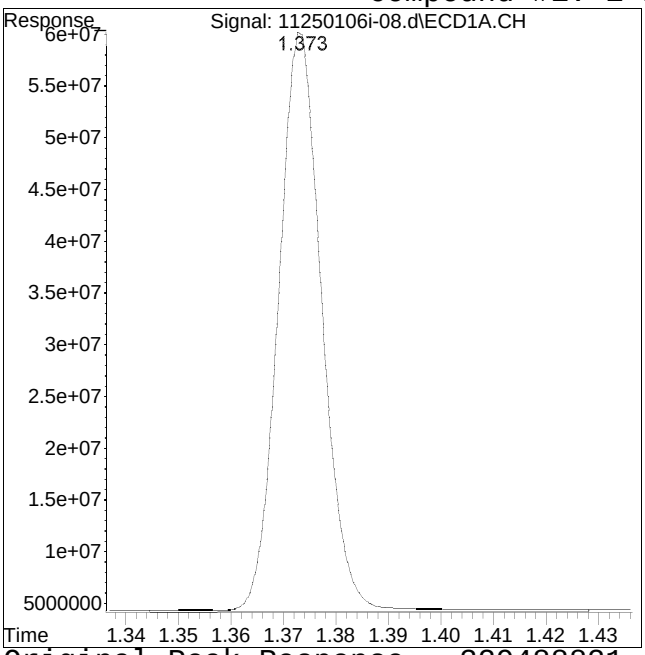
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

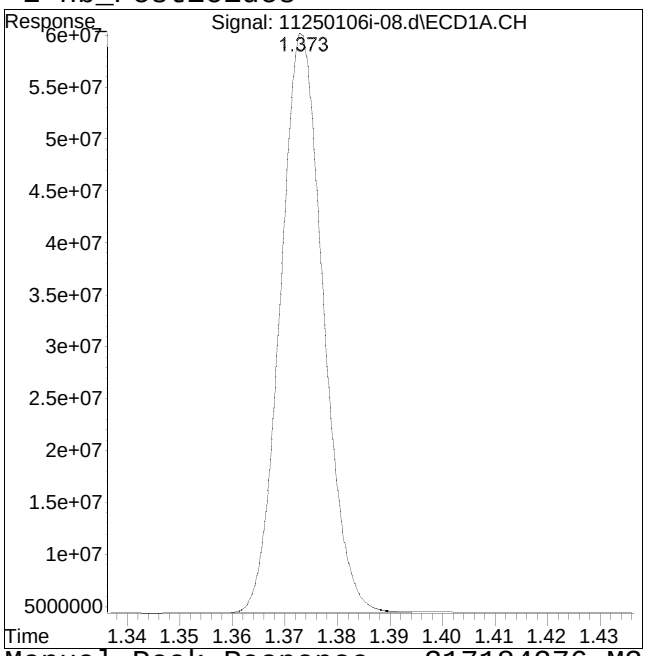


Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-08.d
Date Inj'd : 1/6/2025 13:46
Sample : il7pest,42e,,pp 11941 L0.0
Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:01 pm

Compound #1: 1-br-2-nb_Pesticides





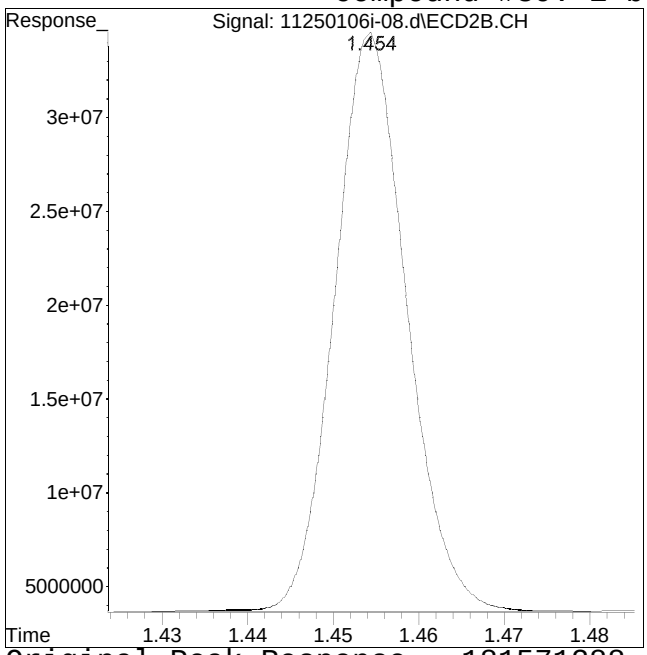
Original Peak Response = 329488821 Manual Peak Response = 317184276 M3

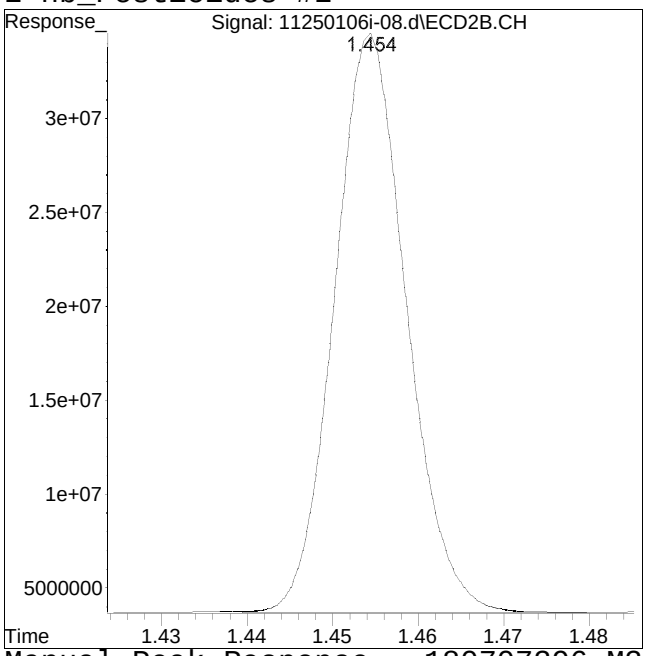
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-08.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:46 Instrument : Pest 11
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:01 pm

Compound #39: 1-br-2-nb_Pesticides #2



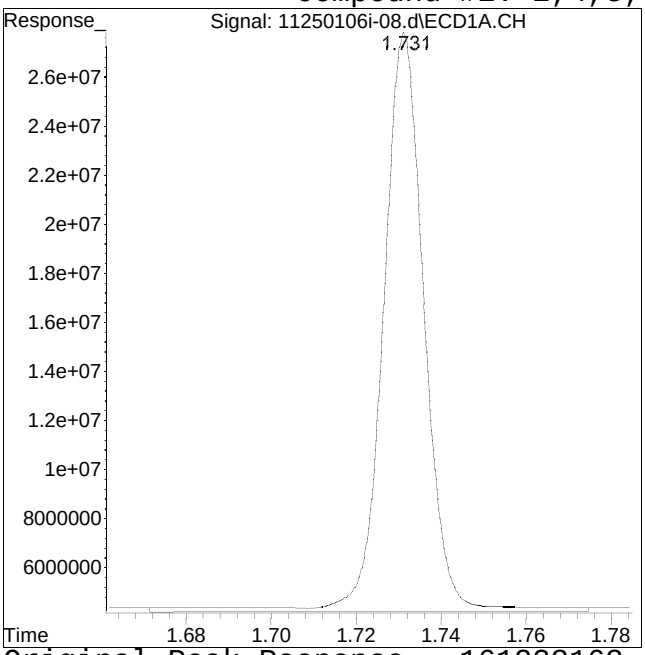


Original Peak Response = 181571288 Manual Peak Response = 180707396 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

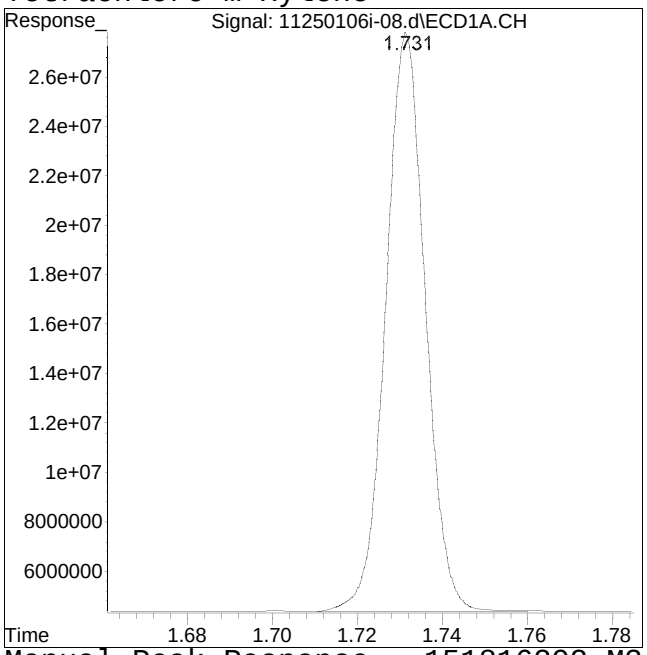
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-08.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:46 Instrument : Pest 11
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:01 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 161223163



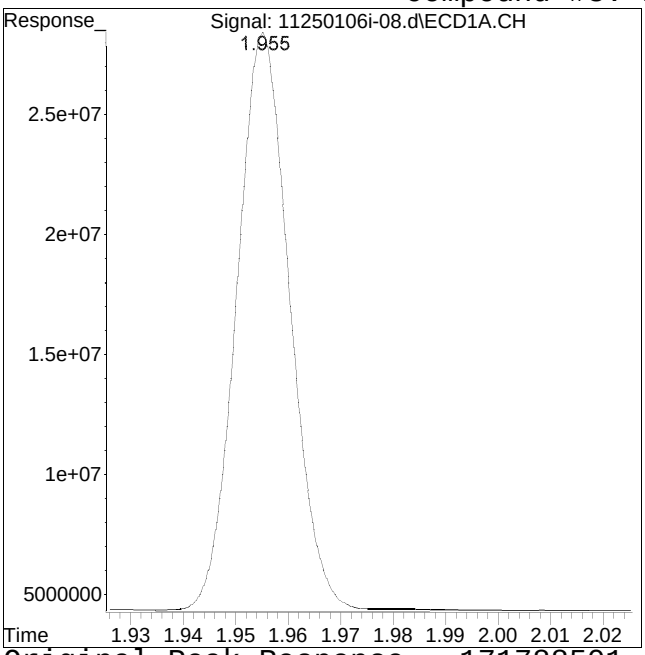
Manual Peak Response = 151816292 M3

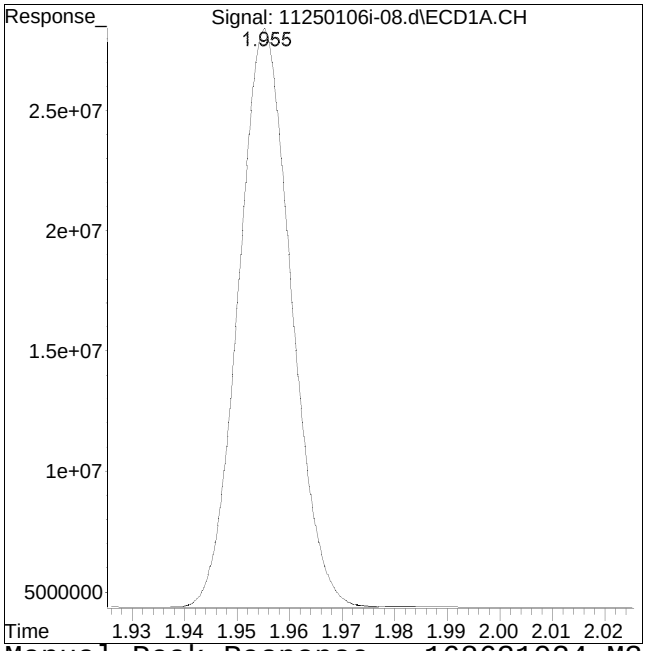
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-08.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:46 Instrument : Pest 11
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:01 pm

Compound #3: Hexachlorobenzene



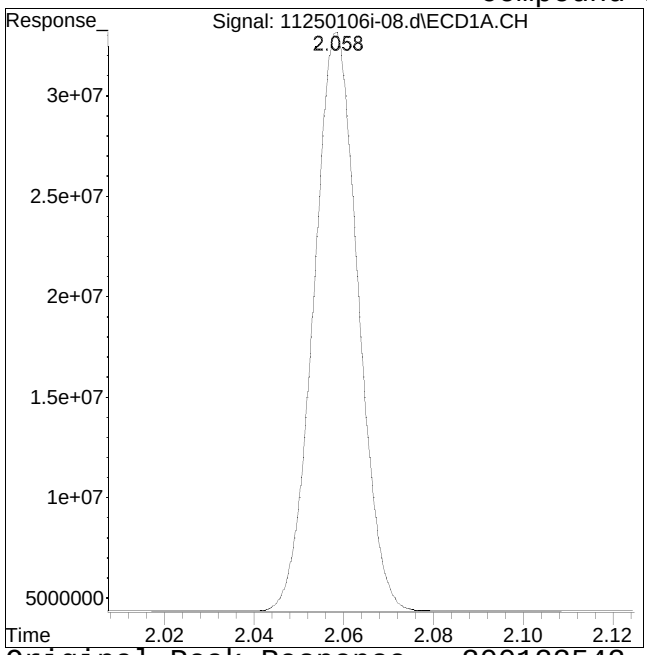


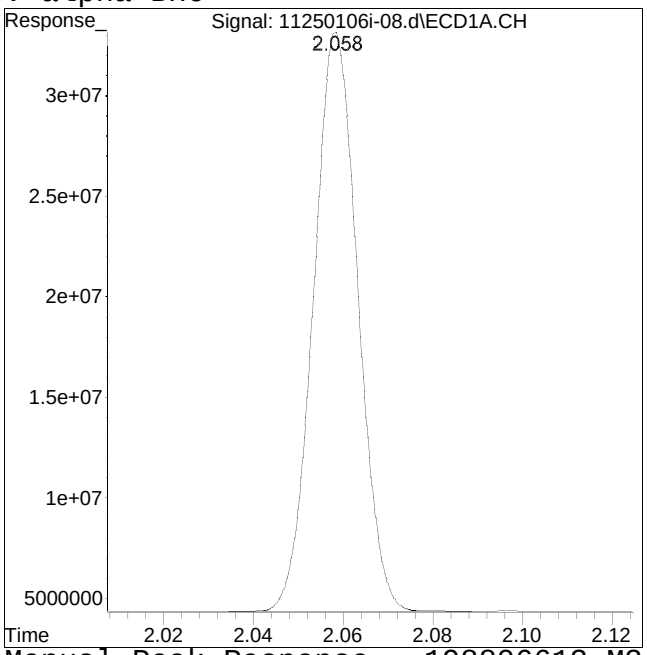
Original Peak Response = 171788501 Manual Peak Response = 168631024 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-08.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:46 Instrument : Pest 11
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:01 pm

Compound #4: alpha-BHC



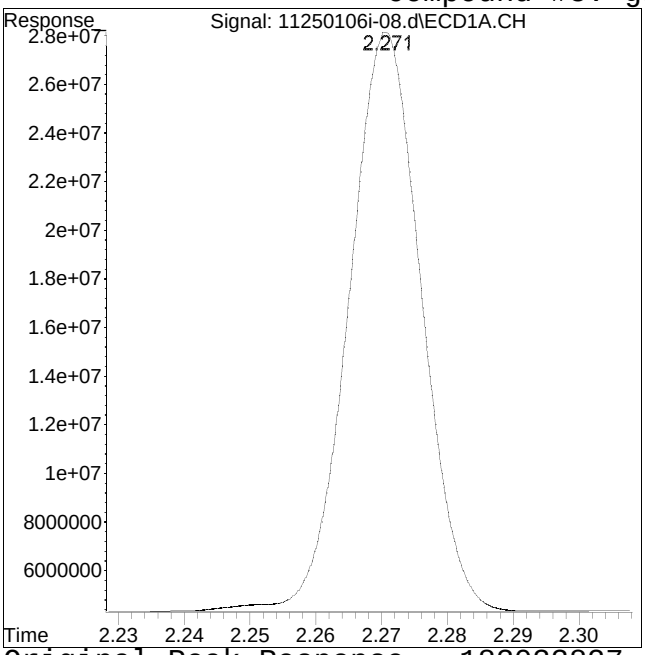


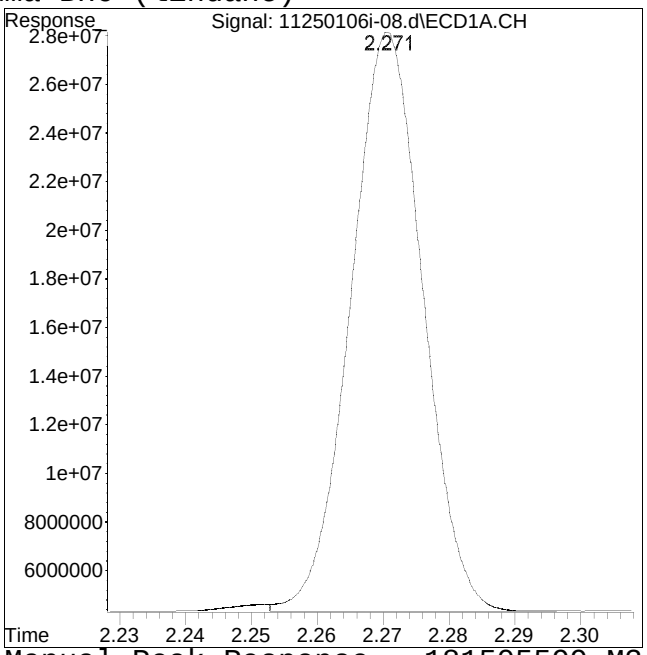
Original Peak Response = 200123542 Manual Peak Response = 198806613 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-08.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:46 Instrument : Pest 11
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:01 pm

Compound #5: gamma-BHC (lindane)



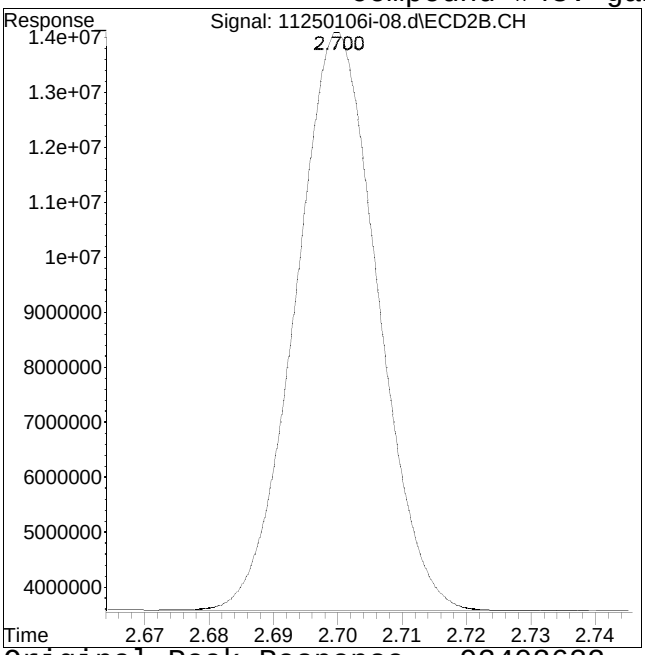


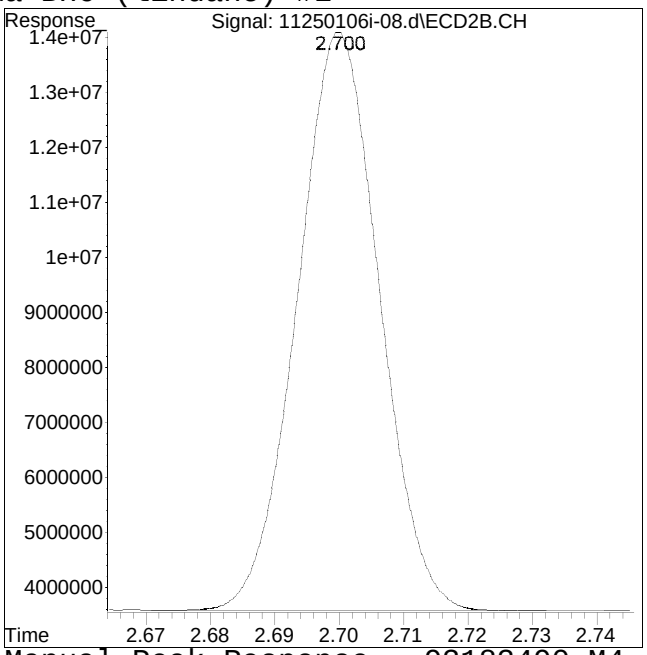
Original Peak Response = 183033827 Manual Peak Response = 181505599 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-08.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:46 Instrument : Pest 11
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:01 pm

Compound #43: gamma-BHC (lindane) #2



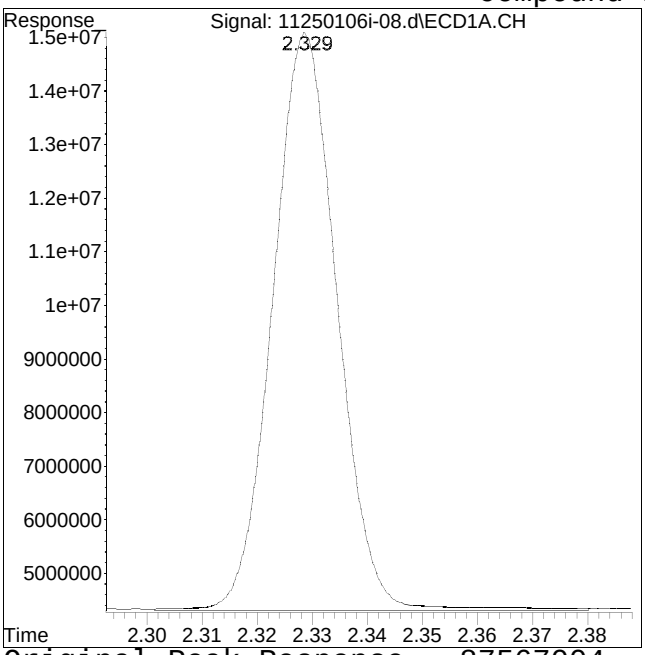


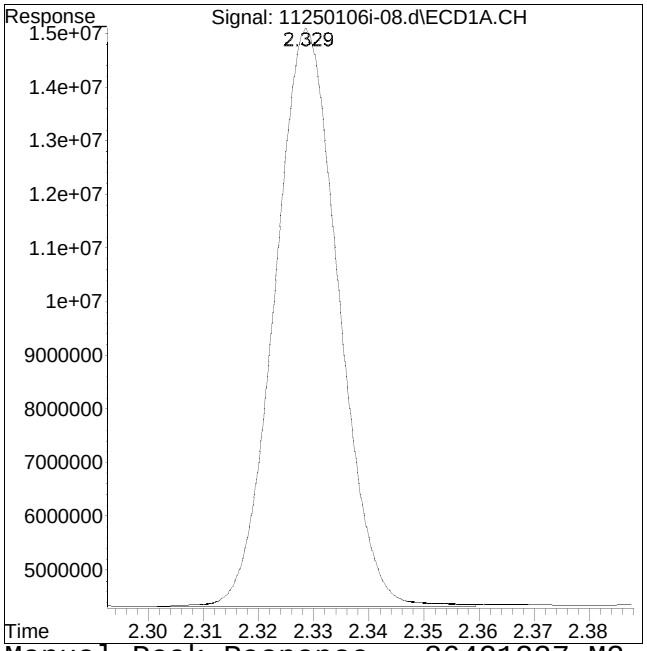
Original Peak Response = 93402632 Manual Peak Response = 93183490 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-08.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:46 Instrument : Pest 11
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:01 pm

Compound #6: beta-BHC



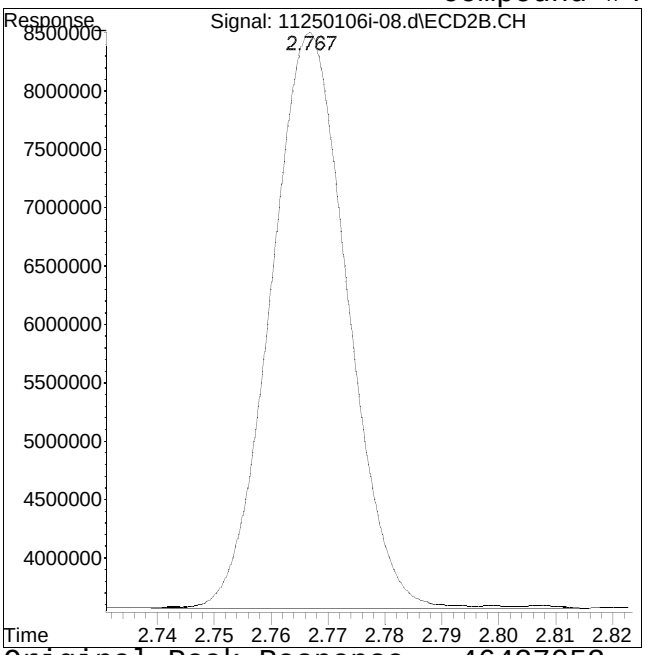


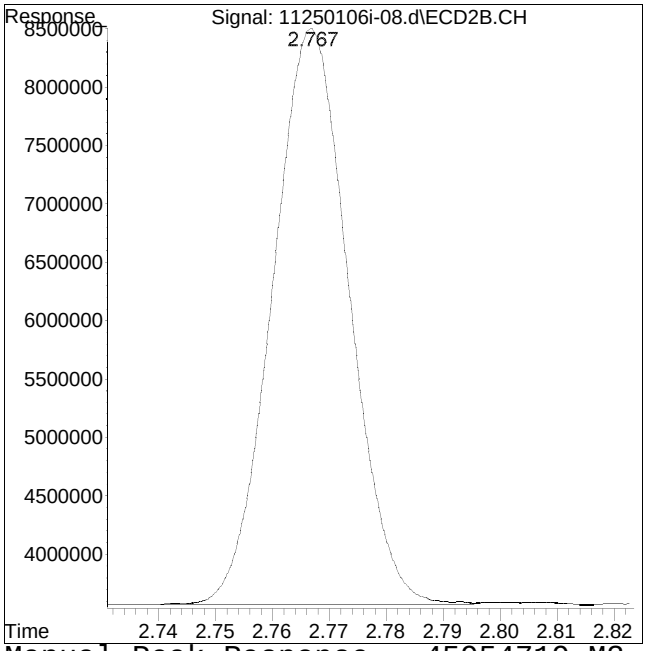
Original Peak Response = 87567004 Manual Peak Response = 86421227 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-08.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:46 Instrument : Pest 11
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:01 pm

Compound #44: beta-BHC #2



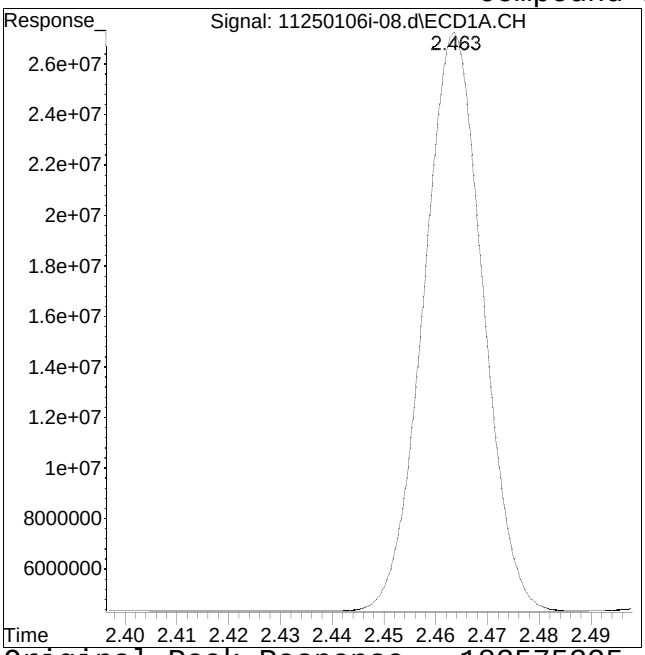


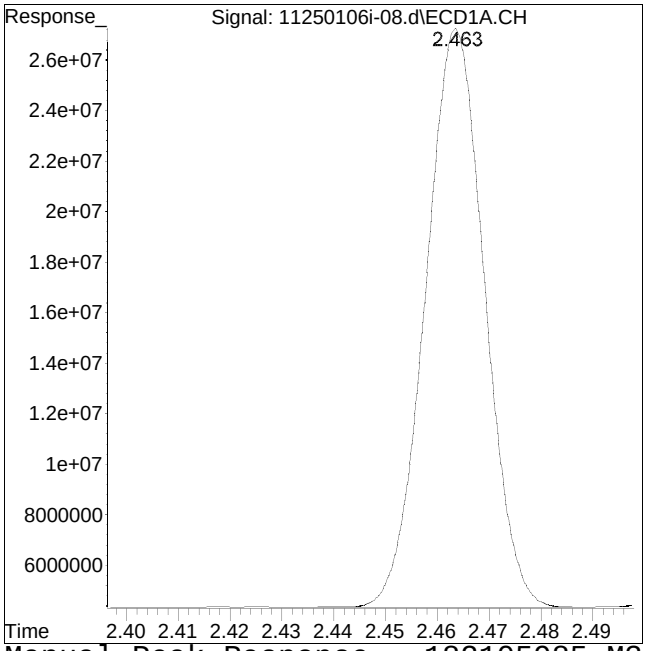
Original Peak Response = 46427053 Manual Peak Response = 45954719 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-08.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:46 Instrument : Pest 11
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:01 pm

Compound #7: delta-BHC



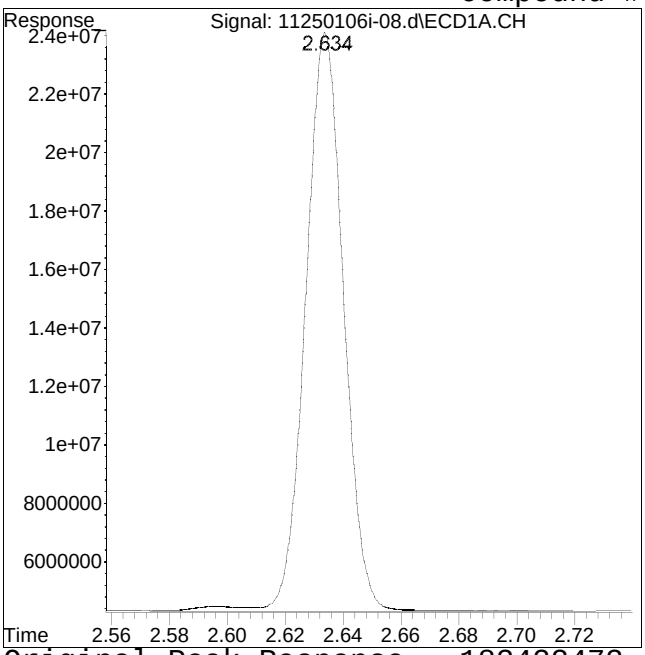


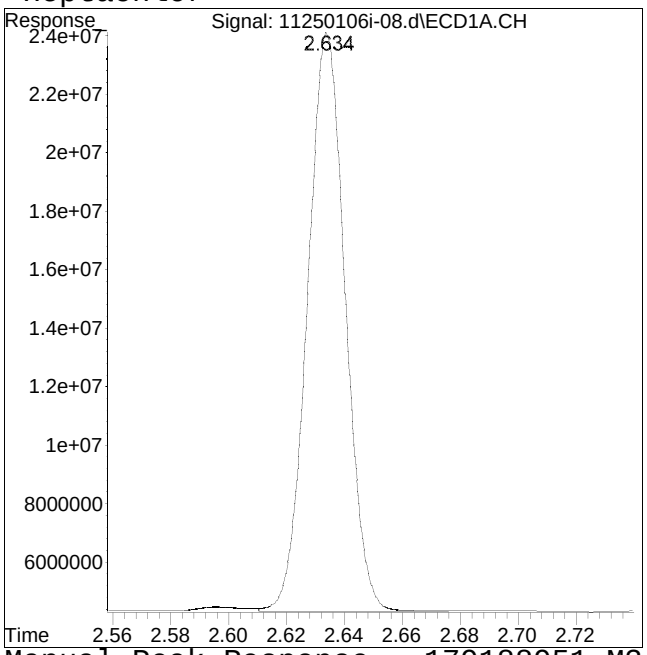
Original Peak Response = 183575325 Manual Peak Response = 182105985 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-08.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:46 Instrument : Pest 11
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:01 pm

Compound #8: Heptachlor



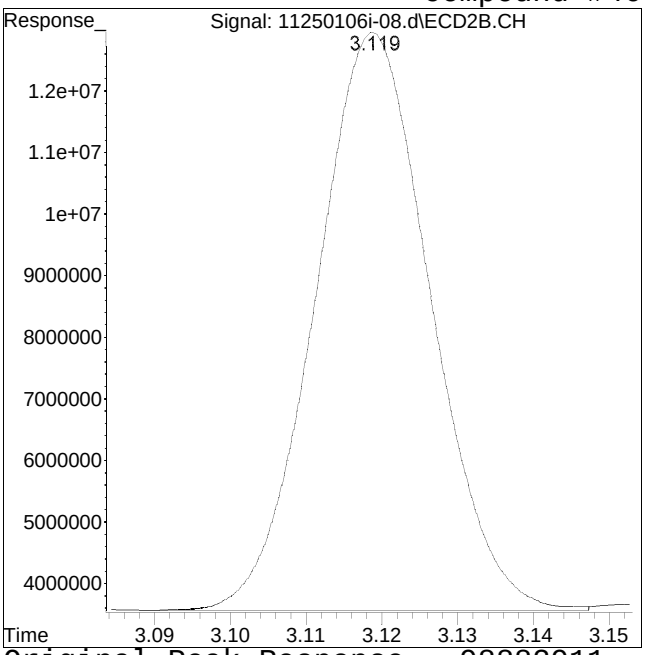


Original Peak Response = 183422473 Manual Peak Response = 179188951 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

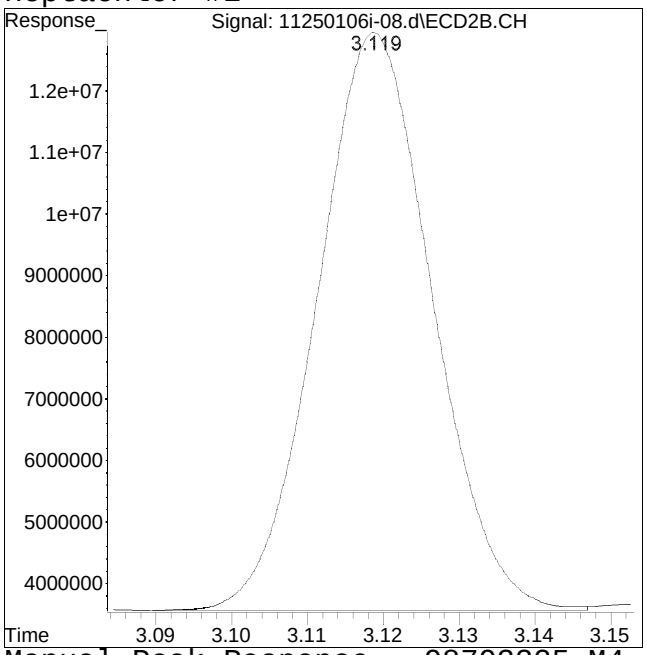
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-08.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:46 Instrument : Pest 11
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:01 pm

Compound #46: Heptachlor #2



Original Peak Response = 98882911



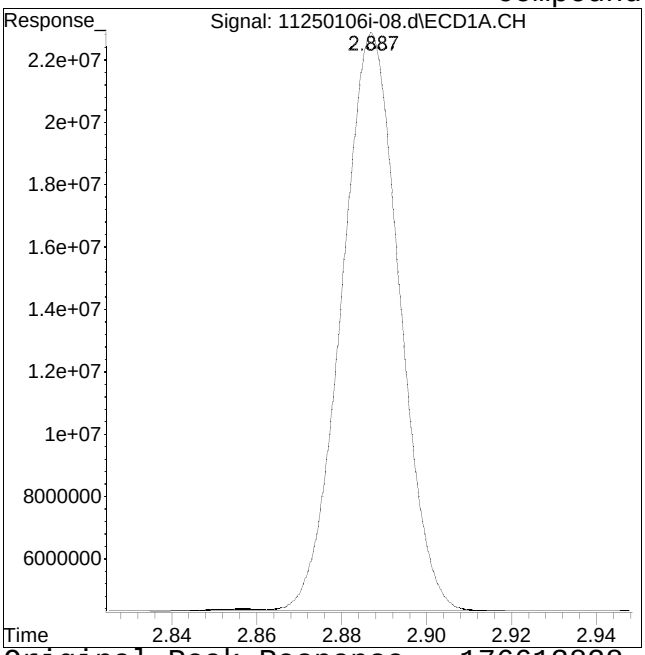
Manual Peak Response = 98793325 M4

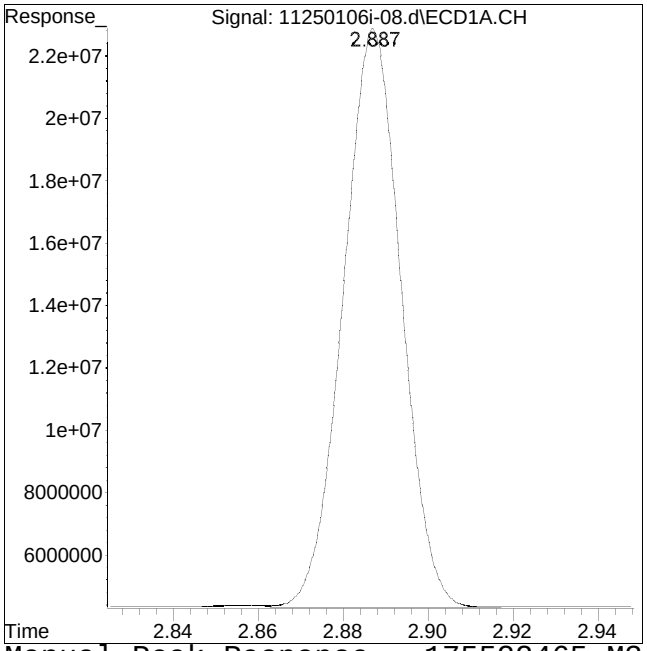
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-08.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:46 Instrument : Pest 11
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:01 pm

Compound #9: Aldrin



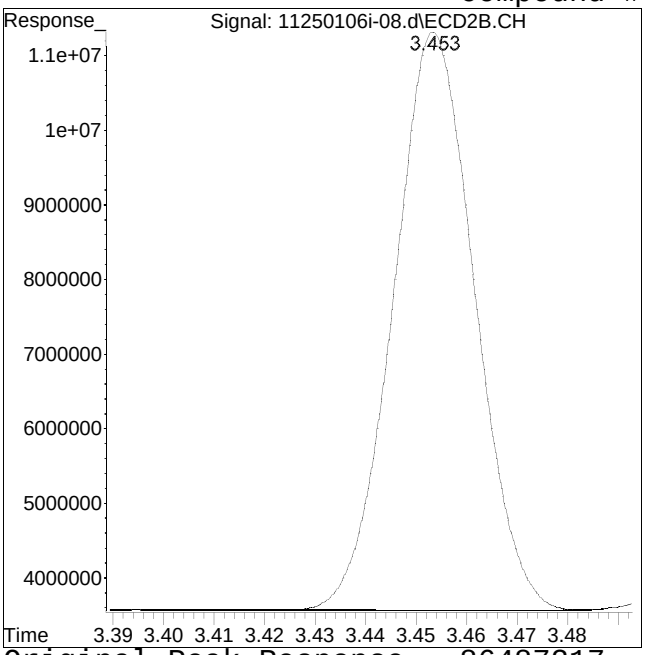


Original Peak Response = 176613828 Manual Peak Response = 175522465 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

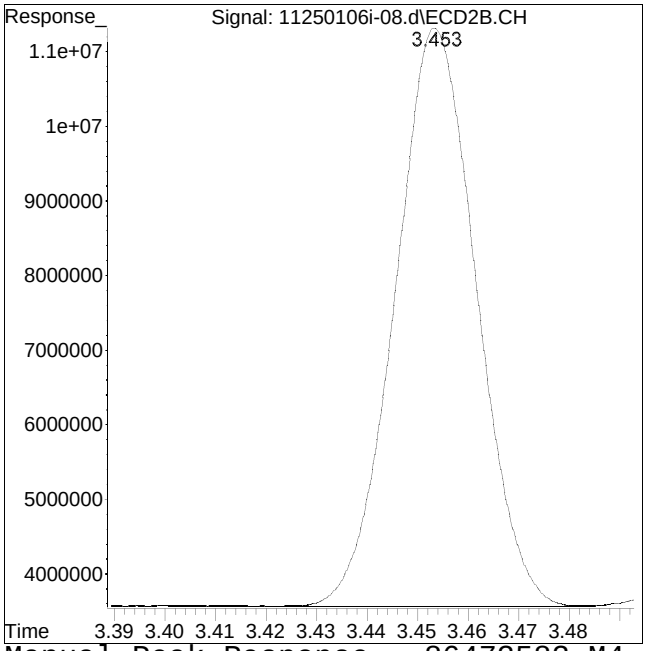
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-08.d
Date Inj'd : 1/6/2025 13:46
Sample : il7pest,42e,,pp 11941 L0.0
Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:01 pm

Compound #47: Aldrin #2



Original Peak Response = 86487217



Manual Peak Response = 86473583 M4

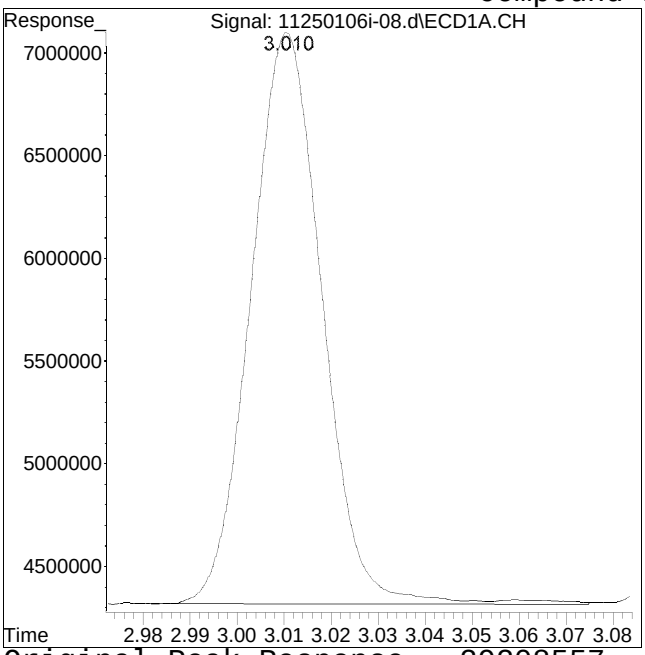
M4 = Poor automated baseline construction.

Manual Integration Report

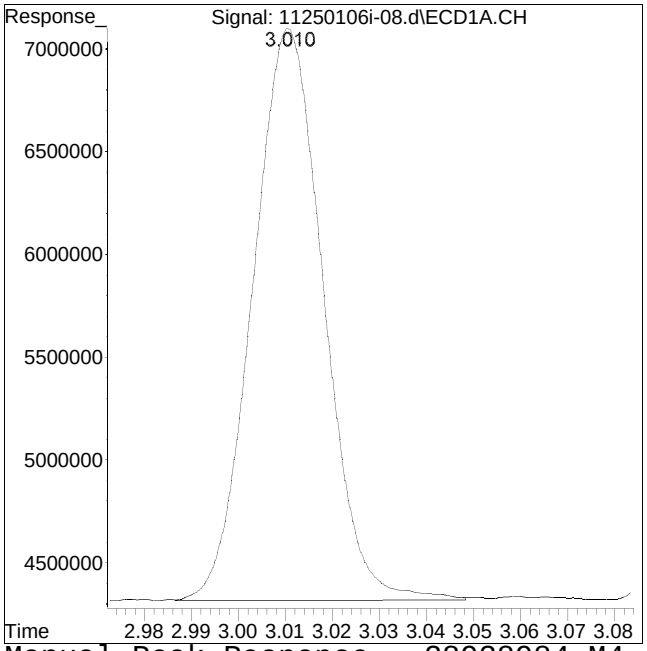
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-08.d
Date Inj'd : 1/6/2025 13:46
Sample : il7pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:01 pm

Compound #10: Alachlor



Original Peak Response = 29208557



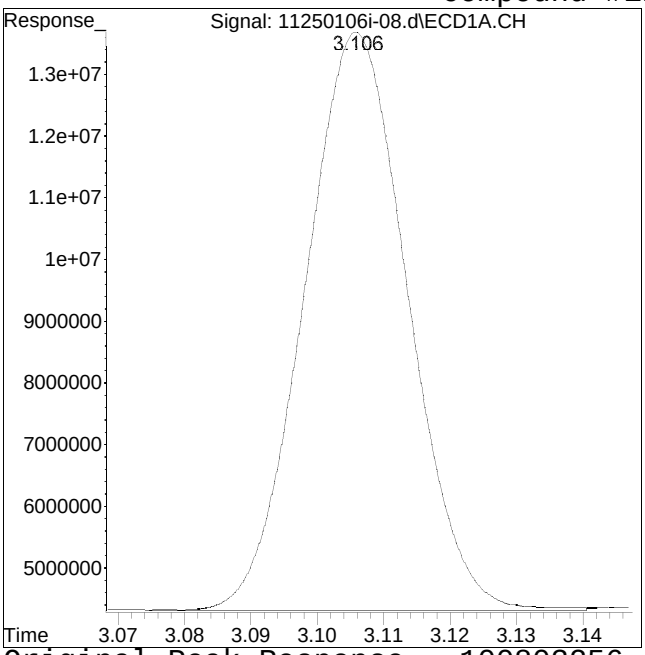
Manual Peak Response = 28938984 M4

M4 = Poor automated baseline construction.

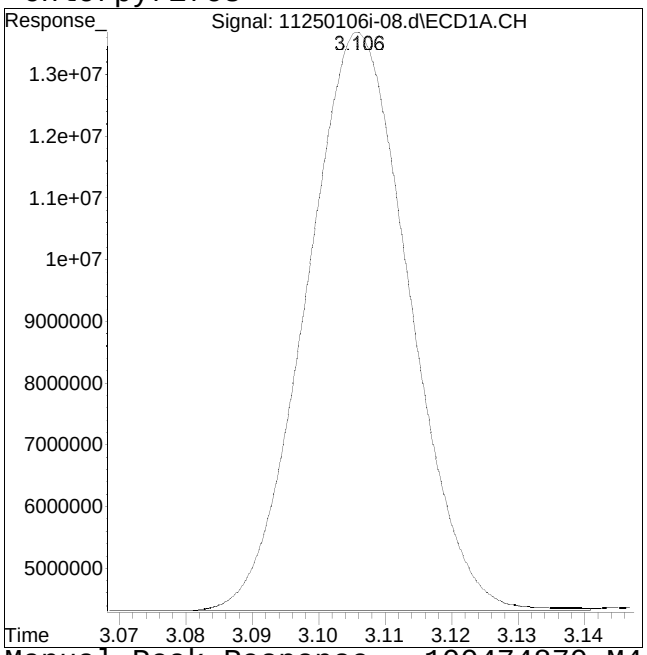
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-08.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:46 Instrument : Pest 11
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:01 pm

Compound #11: Chlorpyrifos



Original Peak Response = 100803256



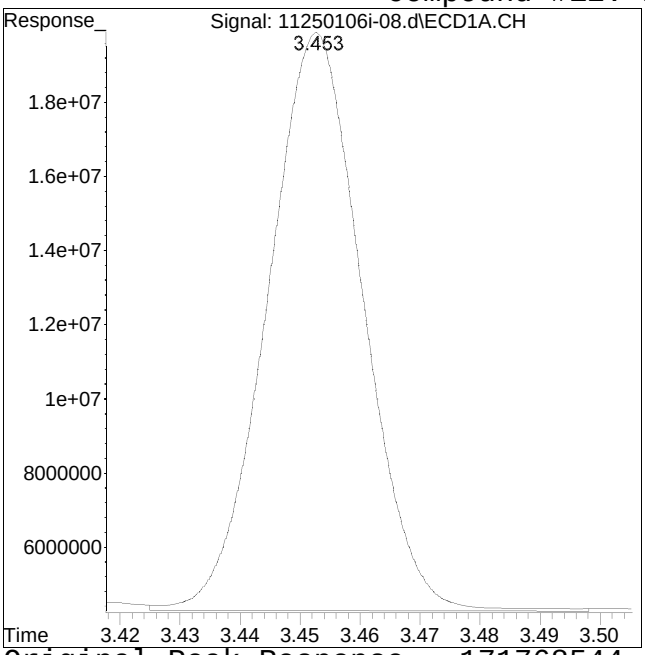
Manual Peak Response = 100474870 M4

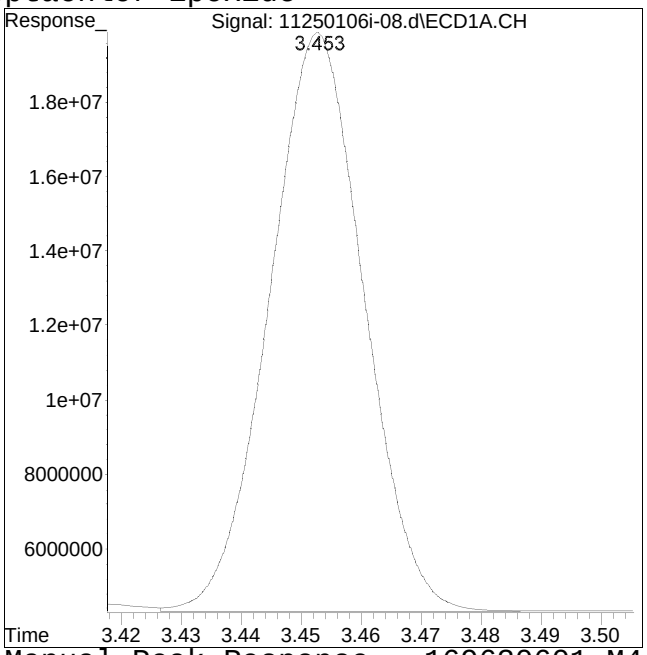
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-08.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:46 Instrument : Pest 11
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:01 pm

Compound #12: Heptachlor Epoxide



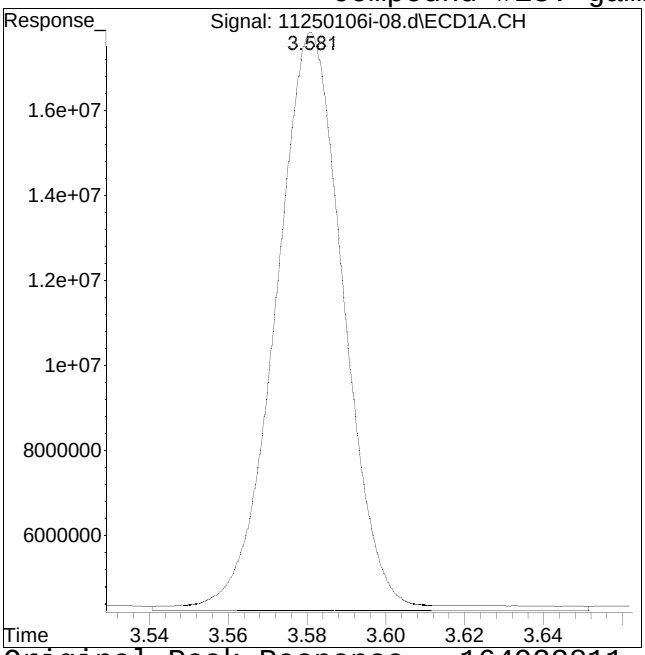


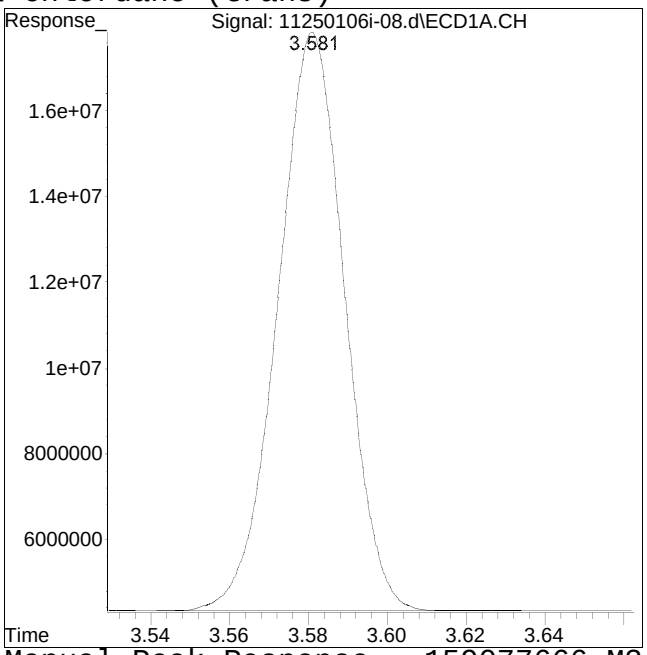
Original Peak Response = 171768544 Manual Peak Response = 169630601 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-08.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:46 Instrument : Pest 11
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:01 pm

Compound #13: gamma-Chlordane (trans)



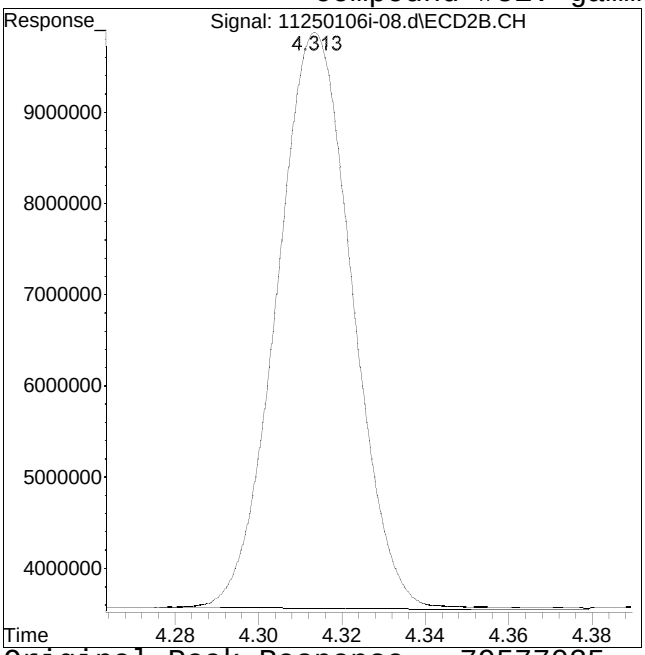


Original Peak Response = 164922811 Manual Peak Response = 159077666 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

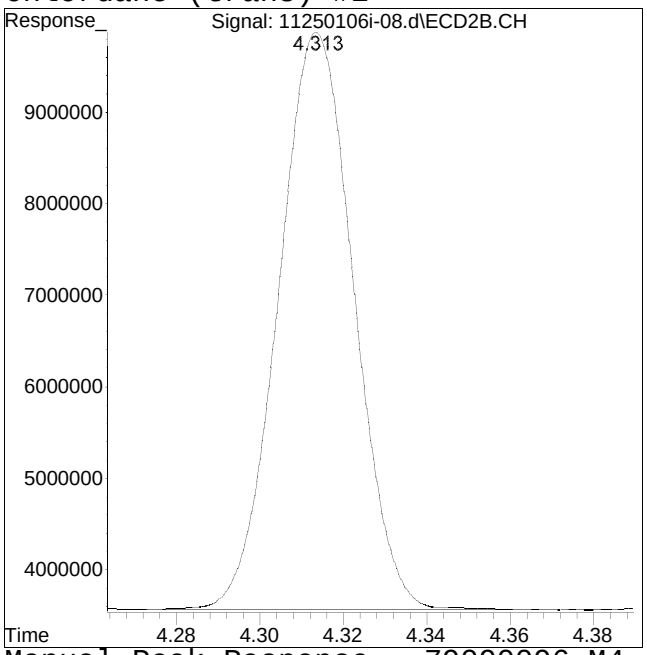
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-08.d
Date Inj'd : 1/6/2025 13:46
Sample : il7pest,42e,,pp 11941 L0.0
Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:01 pm

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 79577035



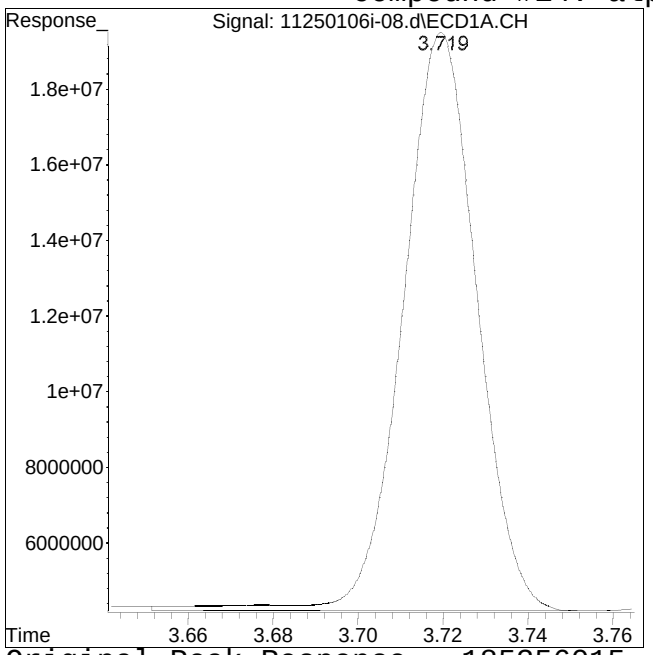
Manual Peak Response = 79090096 M4

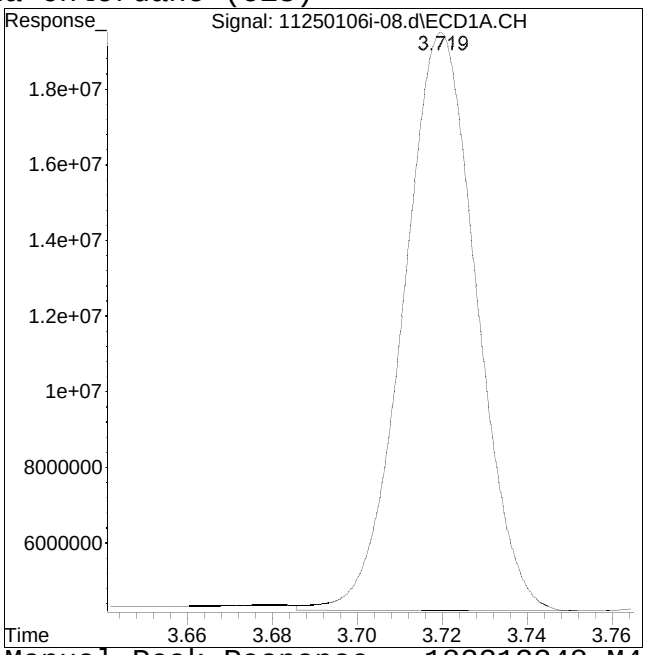
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-08.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:46 Instrument : Pest 11
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:01 pm

Compound #14: alpha-Chlordane (cis)



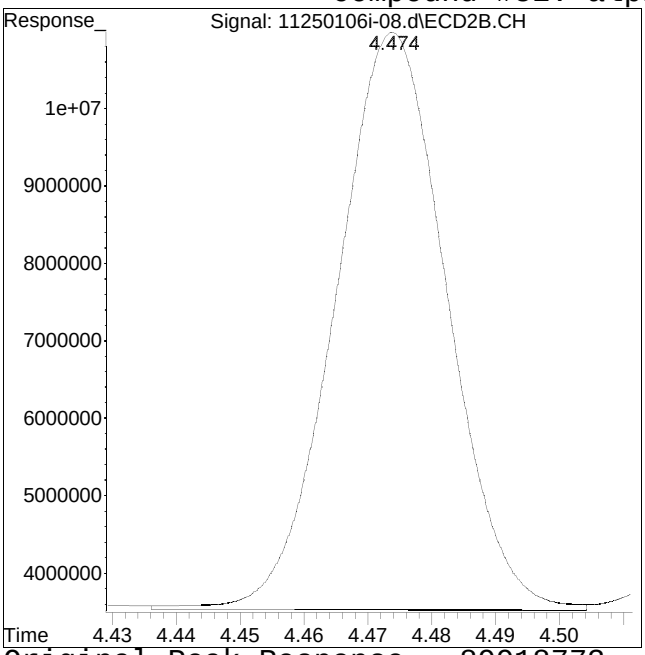


Original Peak Response = 185356015 Manual Peak Response = 182313348 M4
M4 = Poor automated baseline construction.

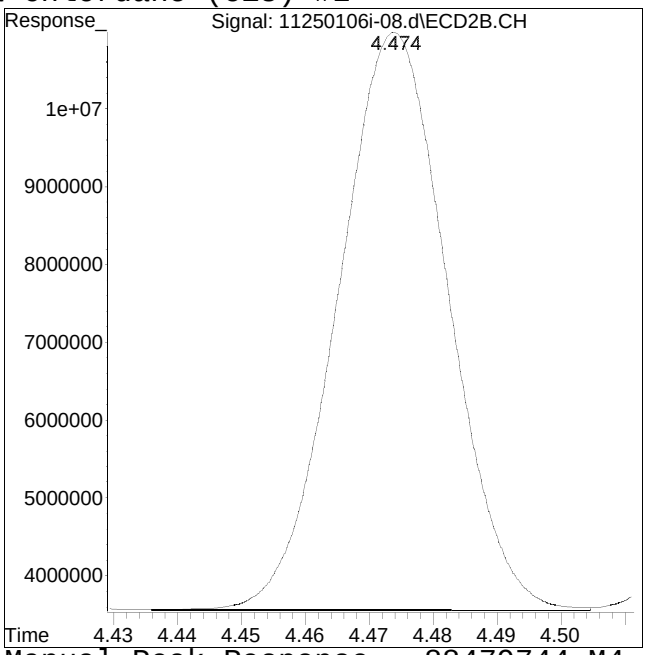
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-08.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:46 Instrument : Pest 11
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:01 pm

Compound #52: alpha-Chlordane (cis) #2



Original Peak Response = 89918773



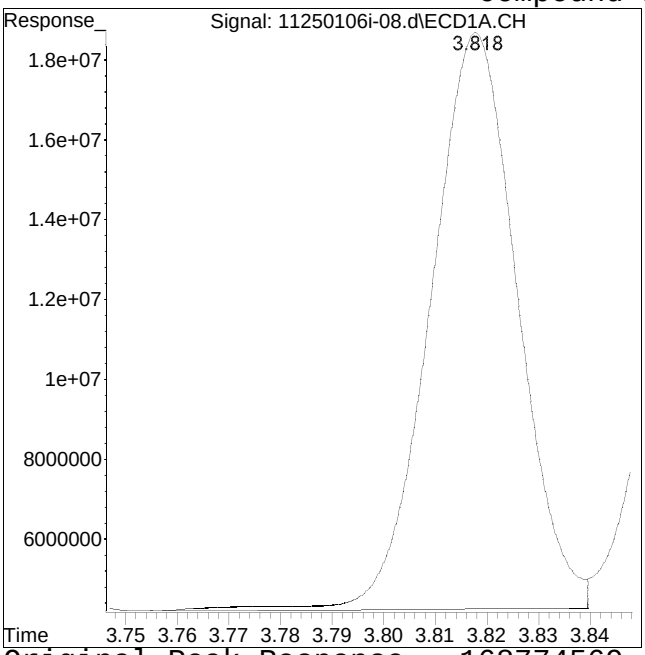
Manual Peak Response = 88479744 M4

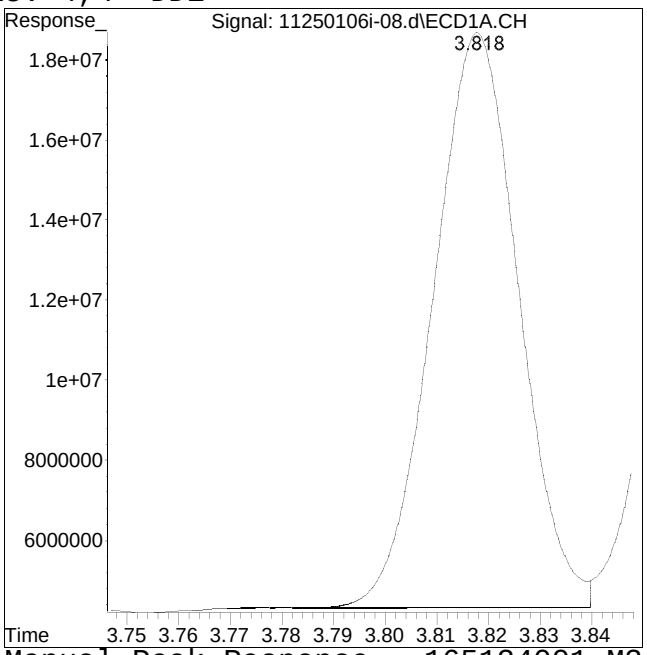
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-08.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:46 Instrument : Pest 11
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:01 pm

Compound #15: 4,4'-DDE





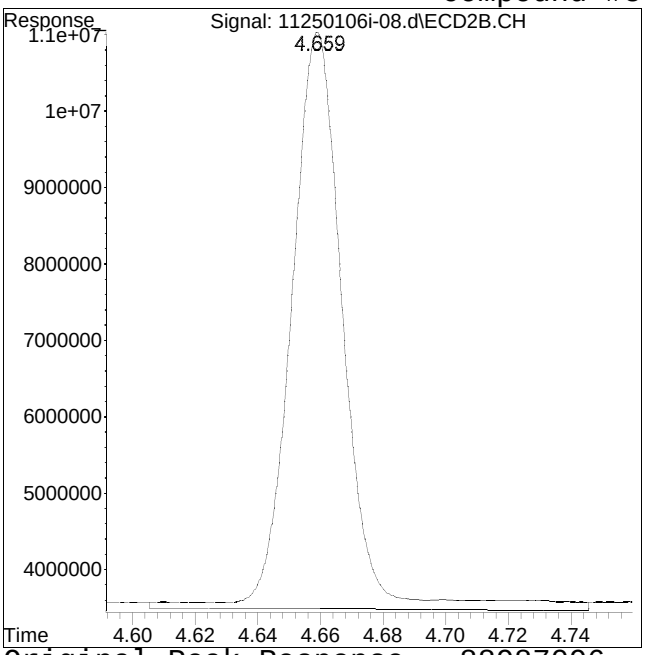
Original Peak Response = 168774569 Manual Peak Response = 165124001 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

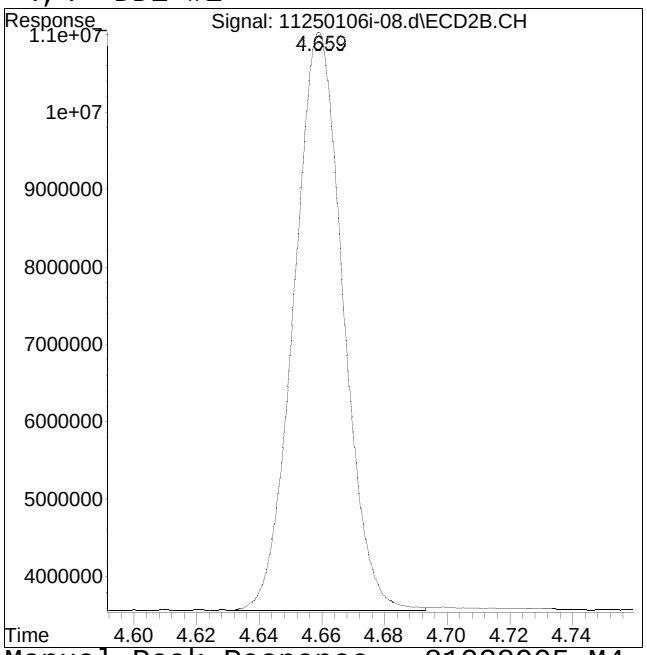
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-08.d
Date Inj'd : 1/6/2025 13:46
Sample : il7pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:01 pm

Compound #53: 4,4'-DDE #2



Original Peak Response = 88987096



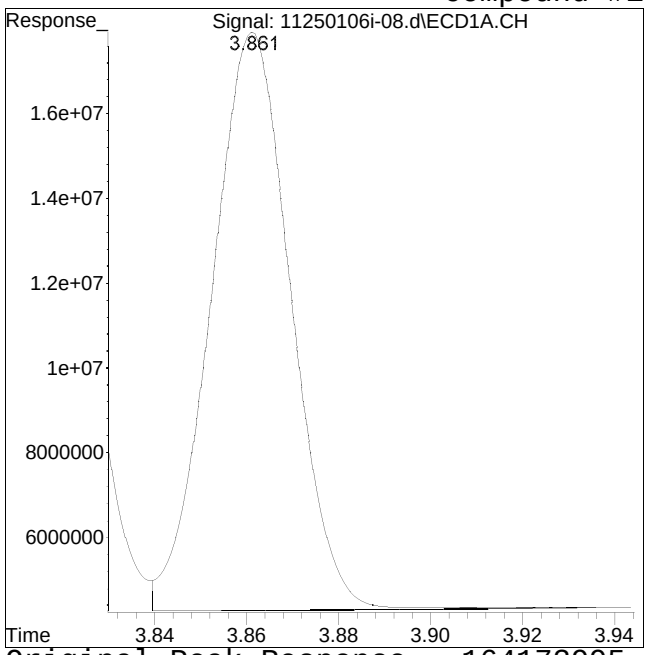
Manual Peak Response = 81038905 M4

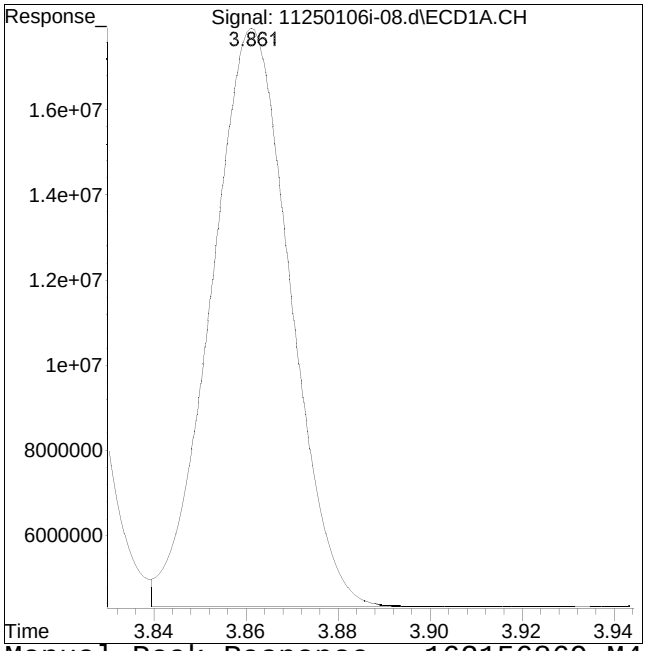
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-08.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:46 Instrument : Pest 11
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:01 pm

Compound #16: Endosulfan I



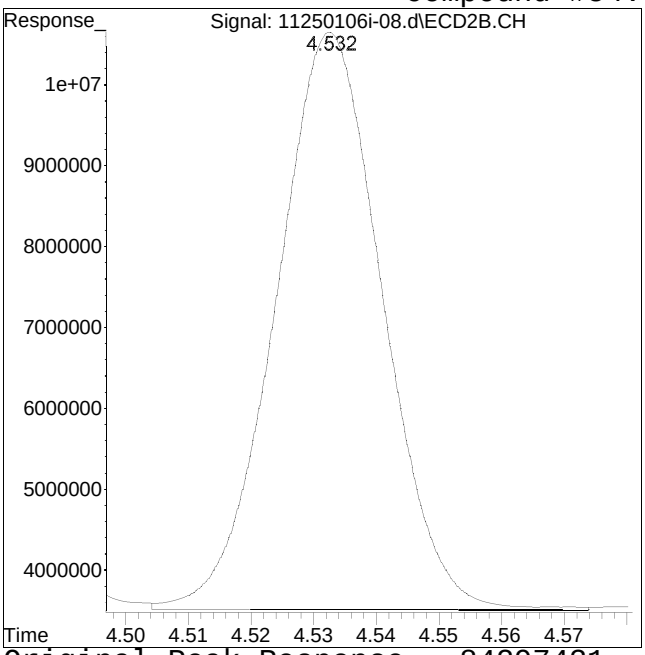


Original Peak Response = 164173995 Manual Peak Response = 162156869 M4
M4 = Poor automated baseline construction.

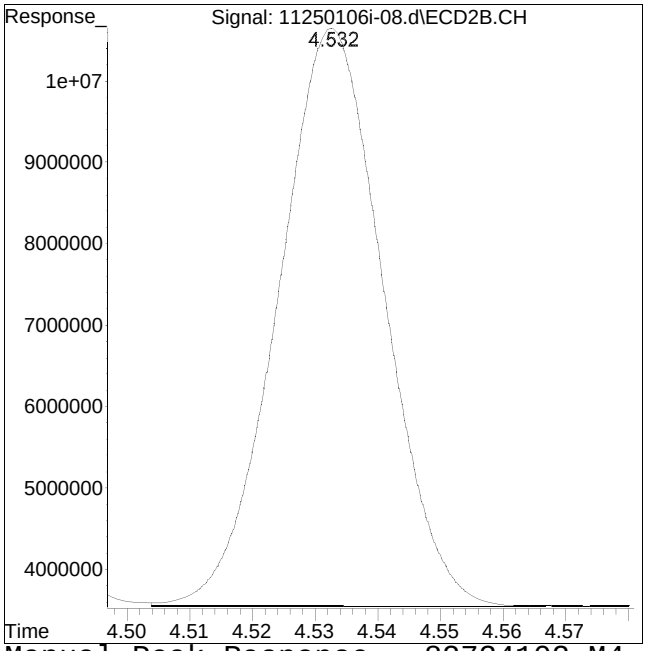
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-08.d
Date Inj'd : 1/6/2025 13:46
Sample : il7pest,42e,,pp 11941 L0.0
Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:01 pm

Compound #54: Endosulfan I #2



Original Peak Response = 84297431



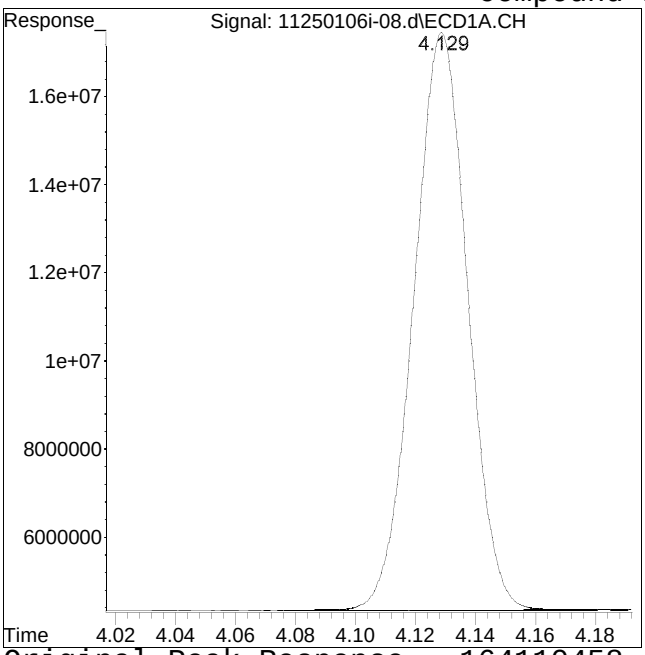
Manual Peak Response = 82734102 M4

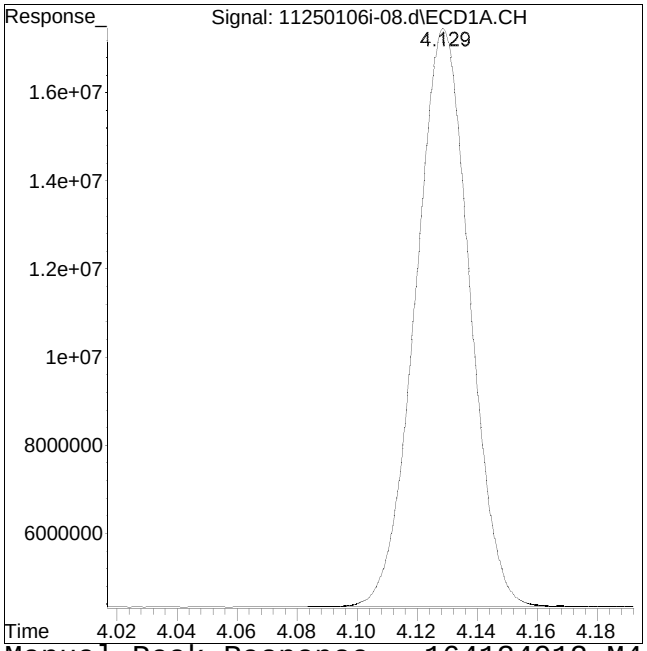
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-08.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:46 Instrument : Pest 11
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:01 pm

Compound #17: Dieldrin



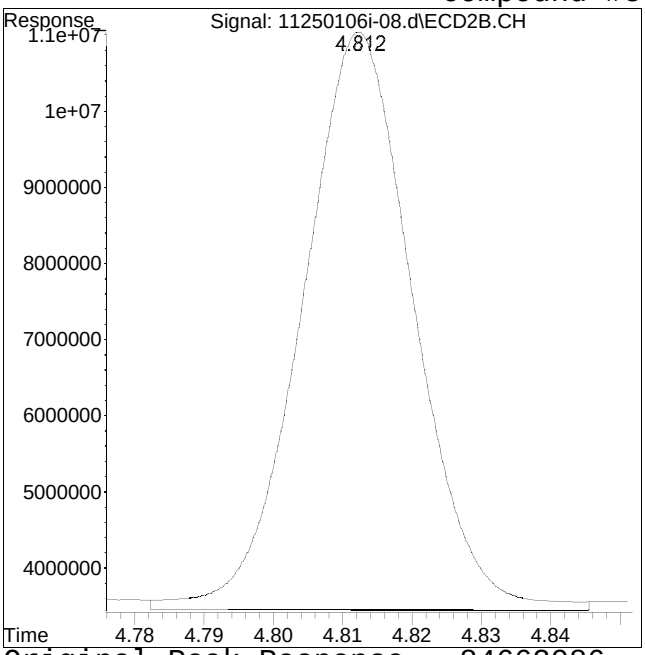


Original Peak Response = 164110458 Manual Peak Response = 164134012 M4
M4 = Poor automated baseline construction.

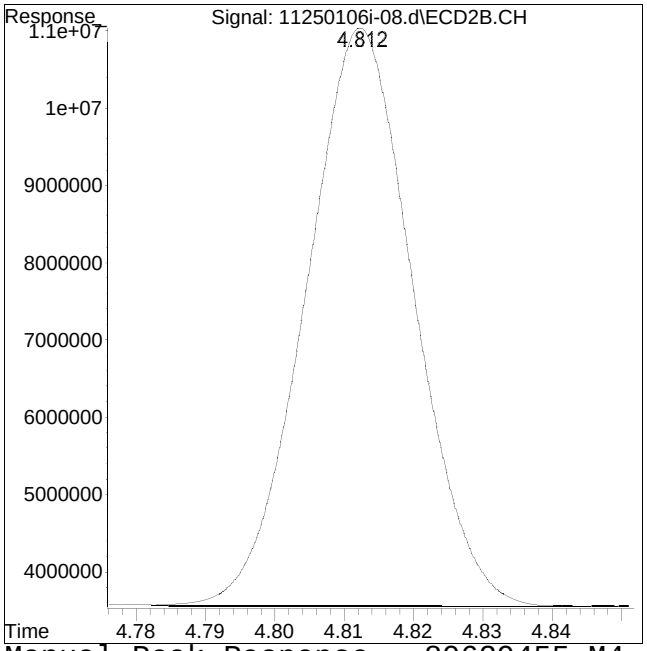
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-08.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:46 Instrument : Pest 11
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:01 pm

Compound #55: Dieldrin #2



Original Peak Response = 84662086



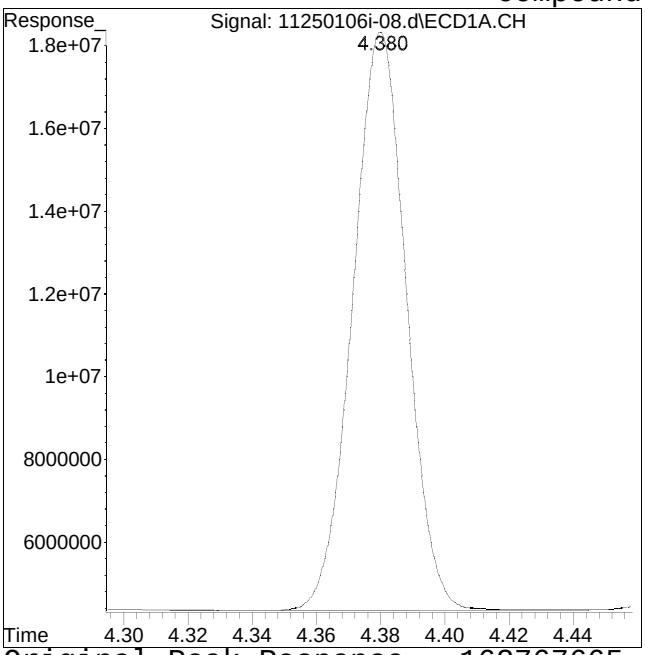
Manual Peak Response = 80629455 M4

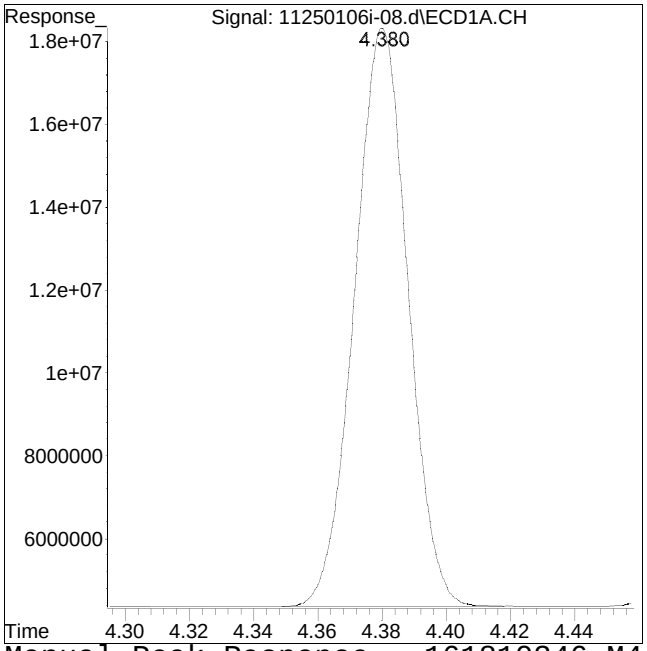
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-08.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:46 Instrument : Pest 11
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:01 pm

Compound #18: Endrin



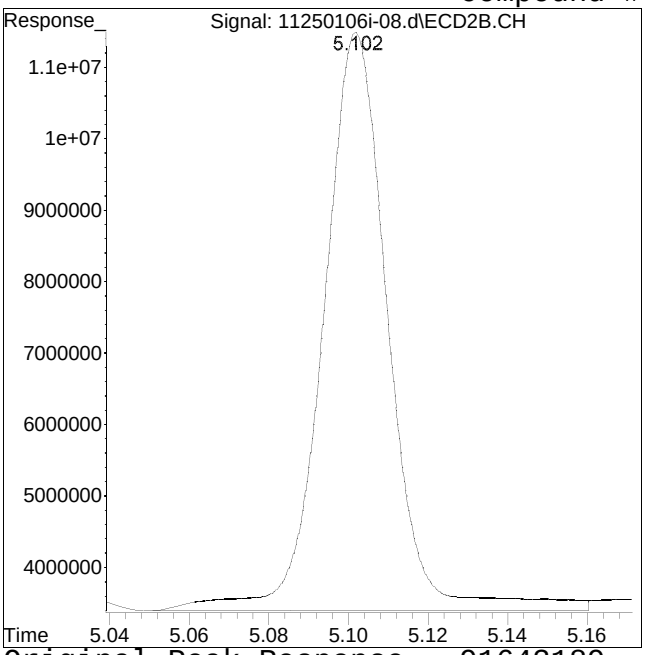


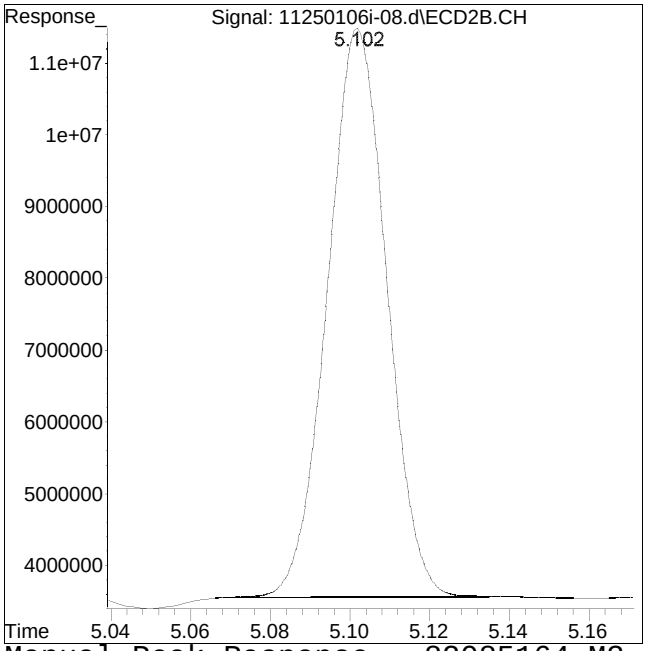
Original Peak Response = 162767665 Manual Peak Response = 161810346 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-08.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:46 Instrument : Pest 11
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:01 pm

Compound #56: Endrin #2



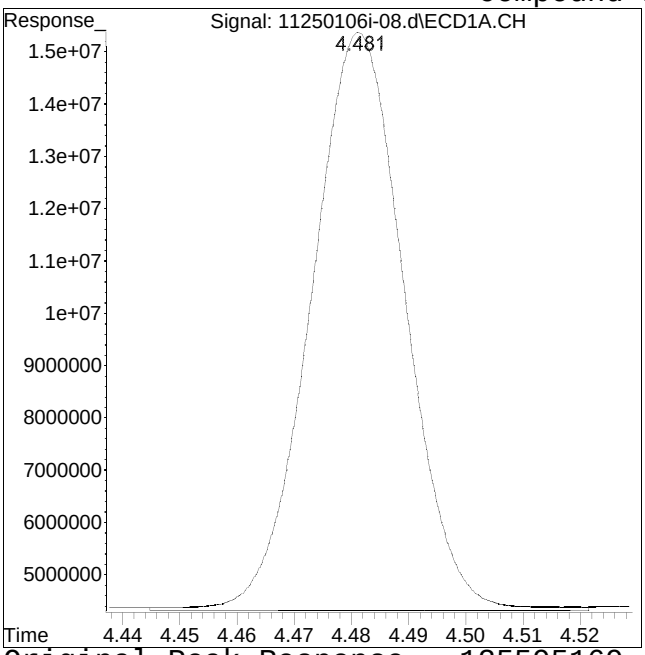


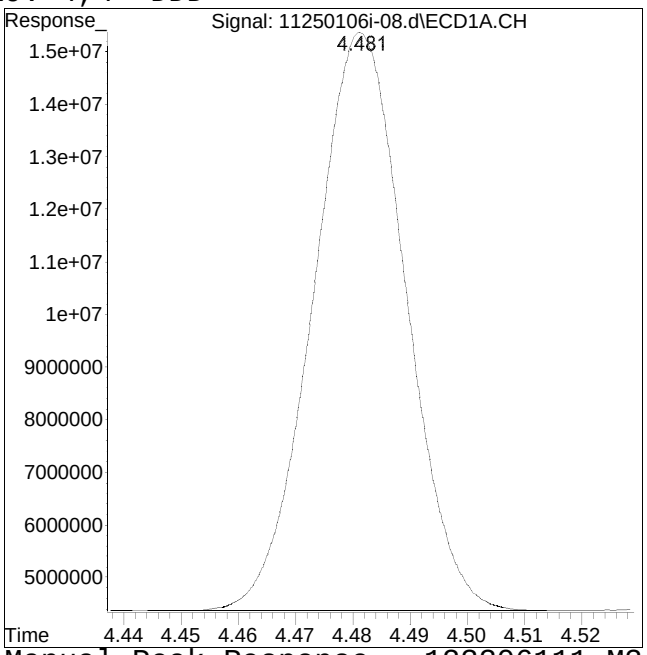
Original Peak Response = 91643189 Manual Peak Response = 82085164 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-08.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:46 Instrument : Pest 11
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:01 pm

Compound #19: 4,4'-DDD



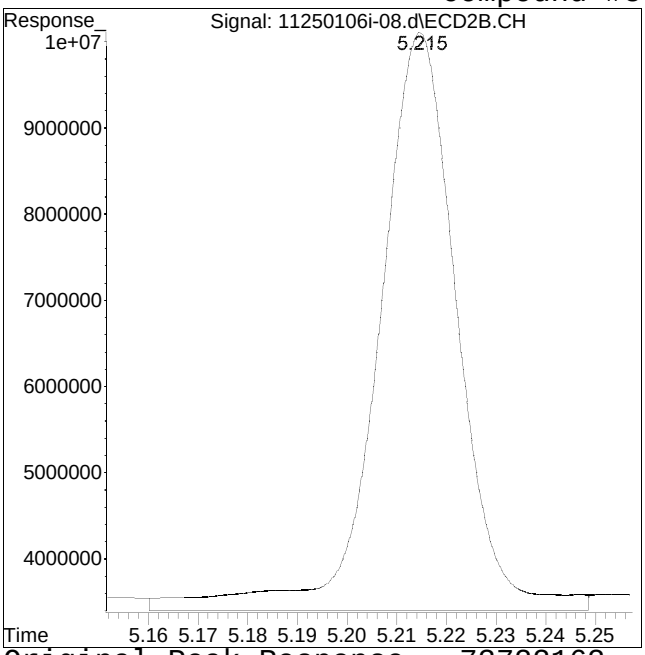


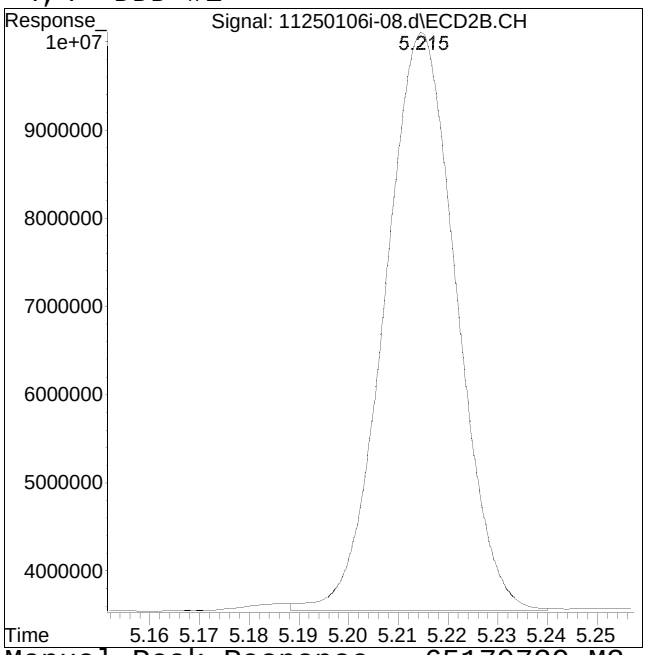
Original Peak Response = 125595169 Manual Peak Response = 123306111 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-08.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:46 Instrument : Pest 11
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:01 pm

Compound #57: 4,4'-DDD #2



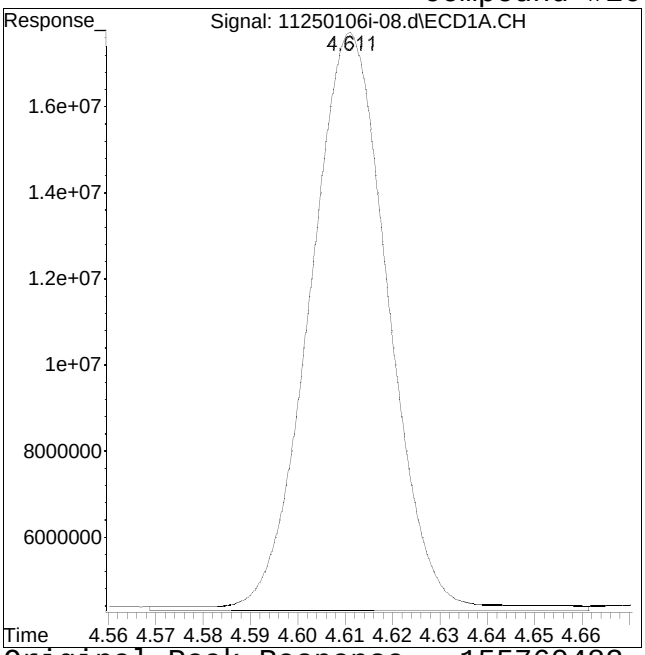


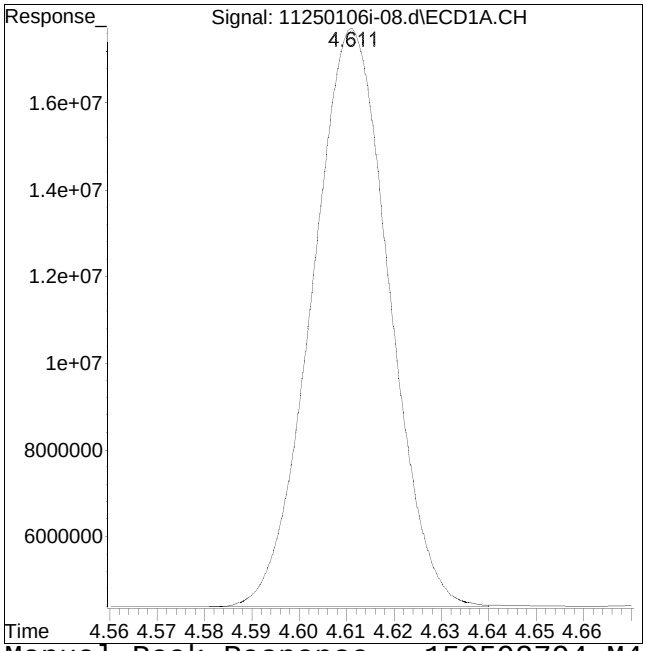
Original Peak Response = 73722162 Manual Peak Response = 65179739 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-08.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:46 Instrument : Pest 11
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:01 pm

Compound #20: Endosulfan II





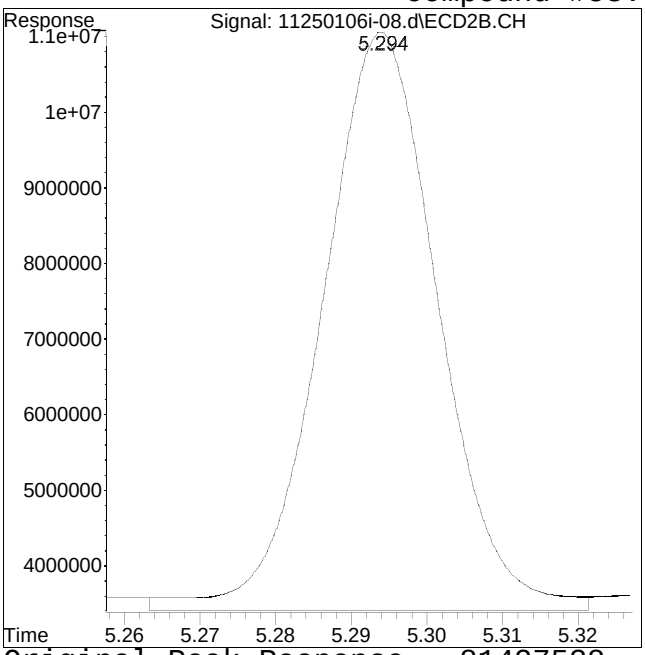
Original Peak Response = 155760483 Manual Peak Response = 150592794 M4
M4 = Poor automated baseline construction.

Manual Integration Report

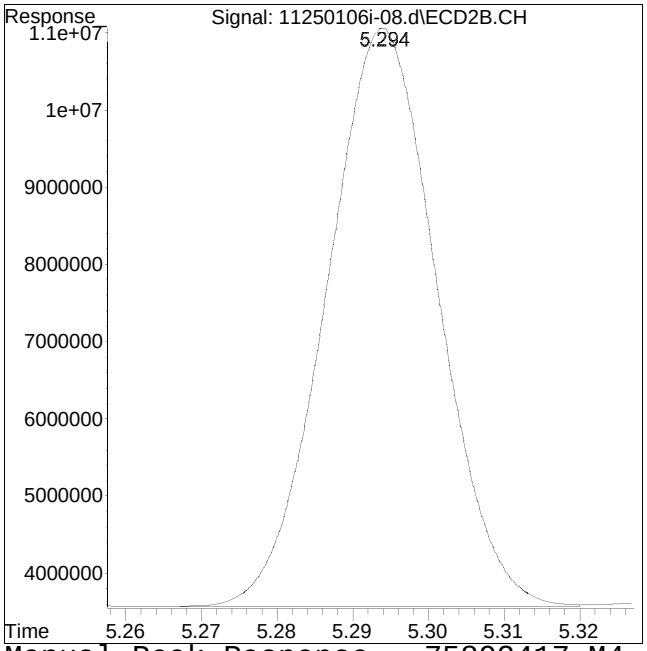
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-08.d
Date Inj'd : 1/6/2025 13:46
Sample : il7pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:01 pm

Compound #58: Endosulfan II #2



Original Peak Response = 81427538



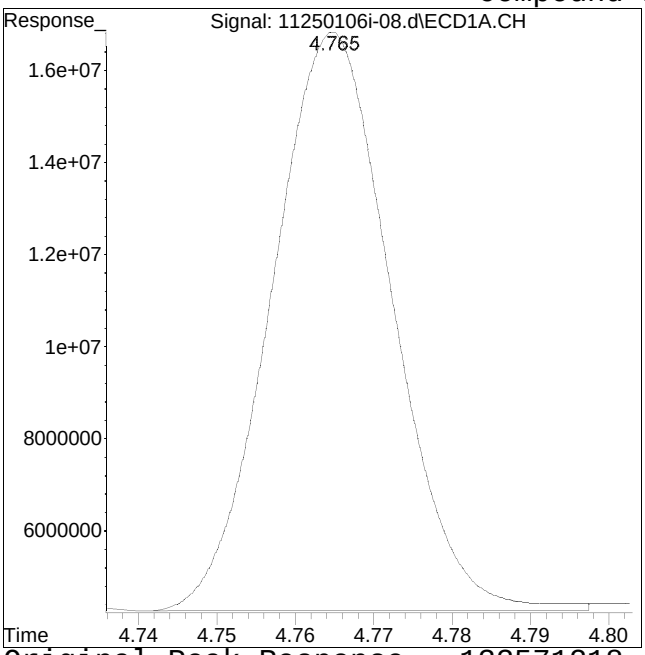
Manual Peak Response = 75892417 M4

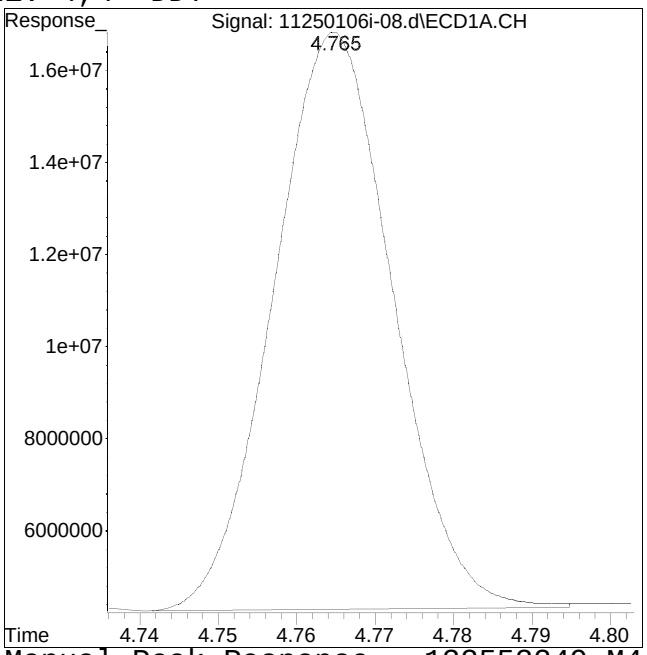
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-08.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:46 Instrument : Pest 11
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:01 pm

Compound #21: 4,4'-DDT



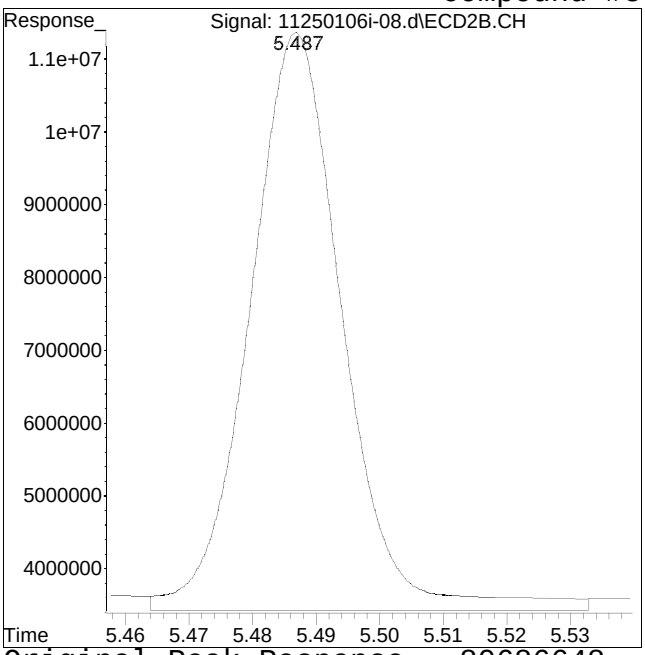


Original Peak Response = 133571218 Manual Peak Response = 132553249 M4
M4 = Poor automated baseline construction.

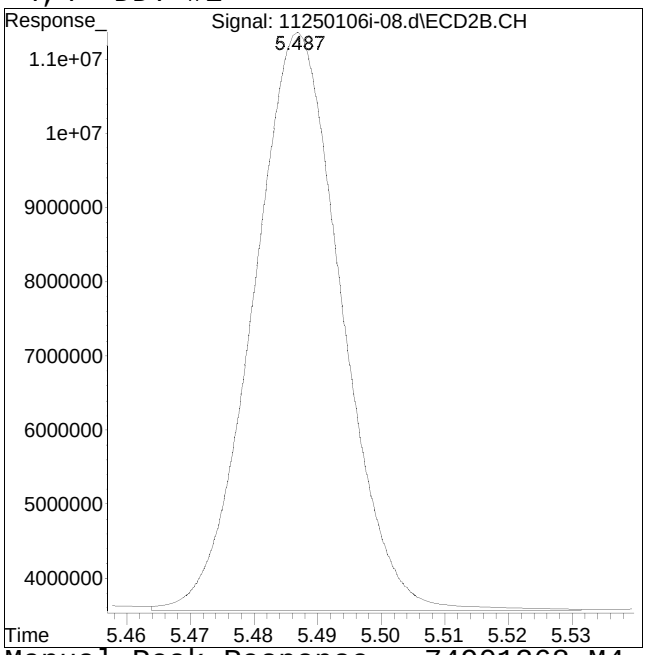
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-08.d
Date Inj'd : 1/6/2025 13:46
Sample : il7pest,42e,,pp 11941 L0.0
Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:01 pm

Compound #59: 4,4'-DDT #2



Original Peak Response = 80686648



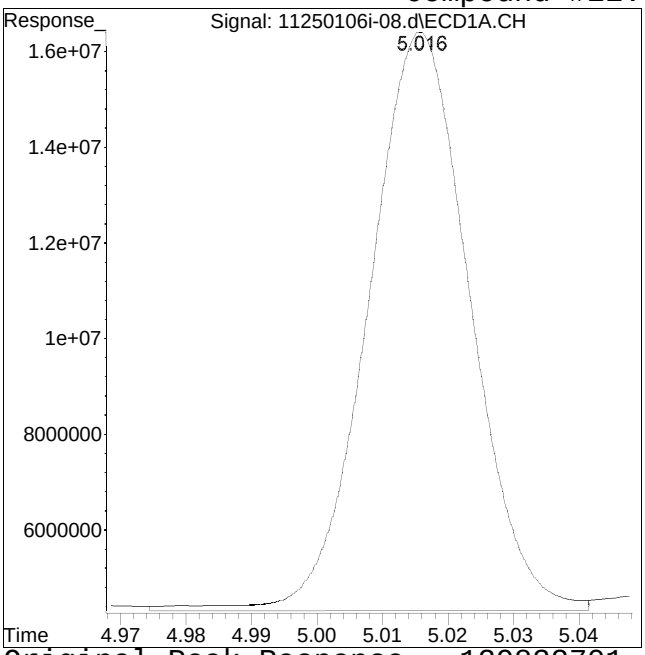
Manual Peak Response = 74901268 M4

M4 = Poor automated baseline construction.

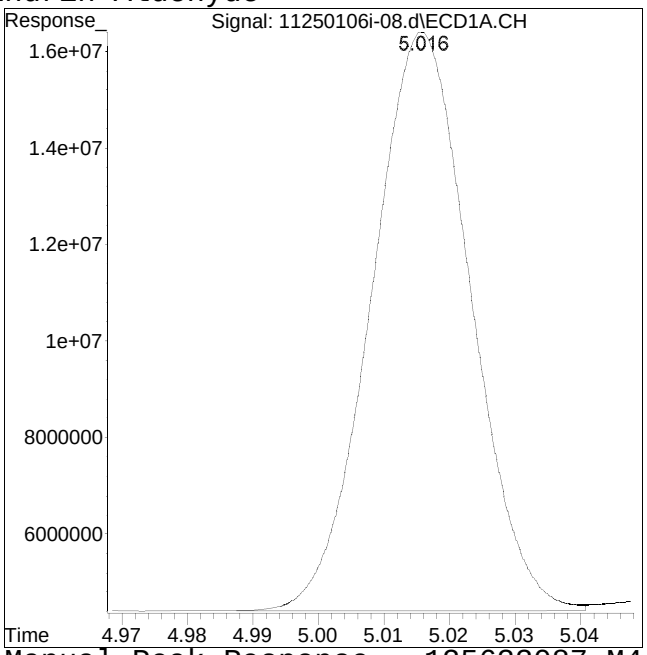
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-08.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:46 Instrument : Pest 11
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:01 pm

Compound #22: Endrin Aldehyde



Original Peak Response = 129832701



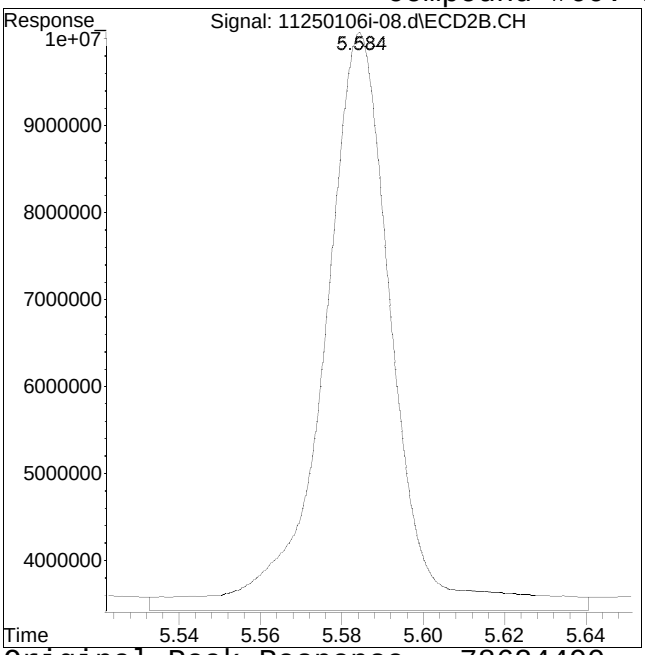
Manual Peak Response = 125633087 M4

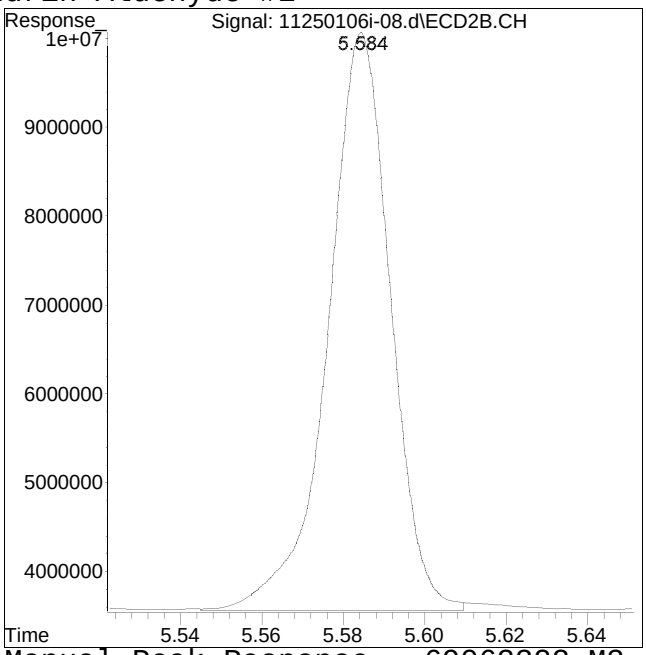
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-08.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:46 Instrument : Pest 11
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:01 pm

Compound #60: Endrin Aldehyde #2



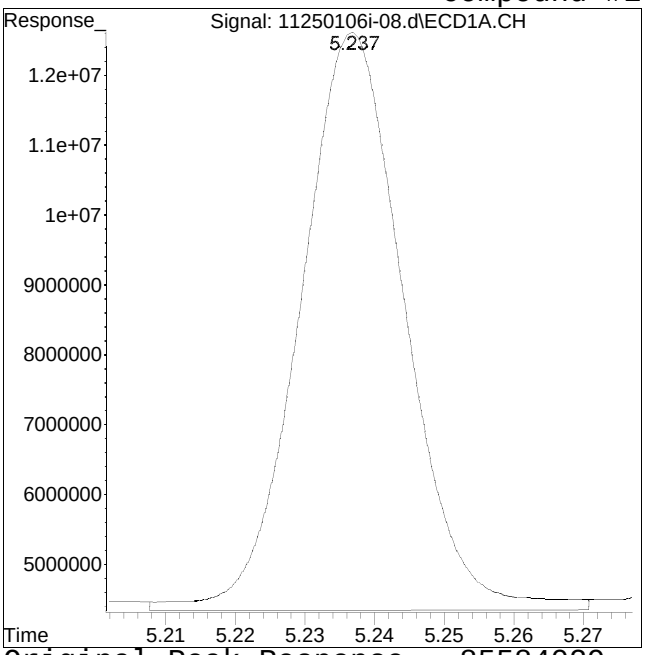


Original Peak Response = 78624490 Manual Peak Response = 69063322 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

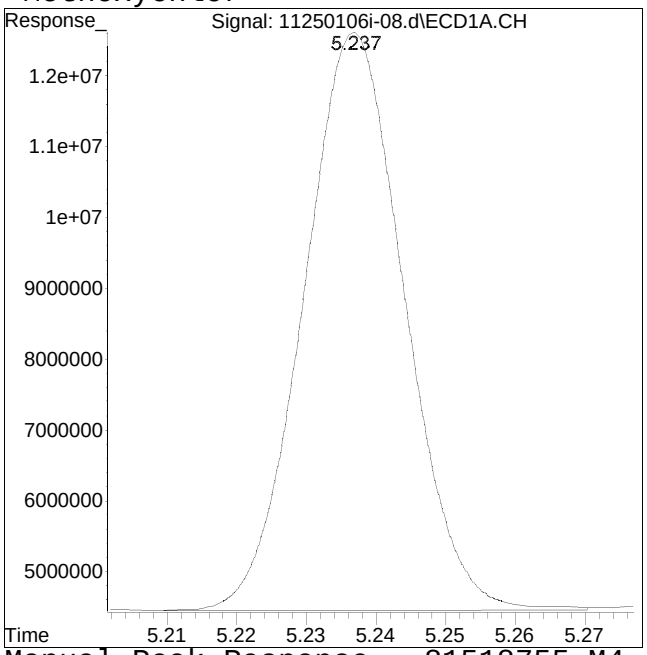
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-08.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:46 Instrument : Pest 11
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:01 pm

Compound #23: Methoxychlor



Original Peak Response = 85584029



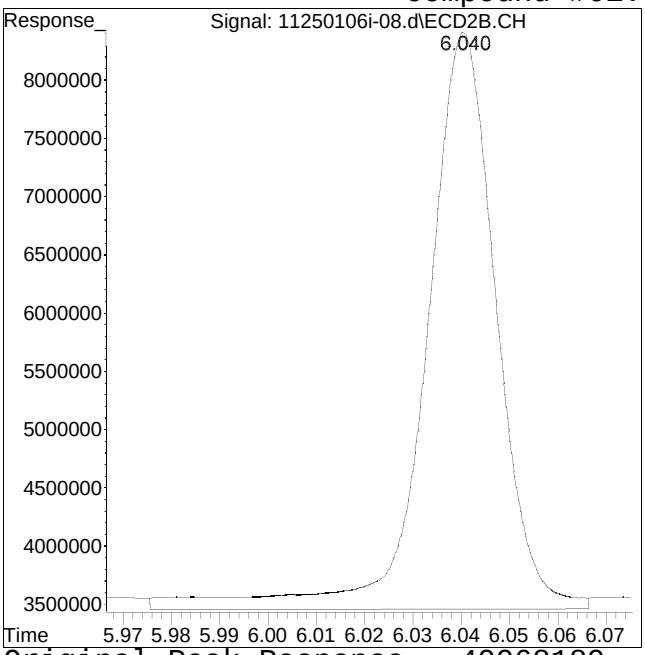
Manual Peak Response = 81518755 M4

M4 = Poor automated baseline construction.

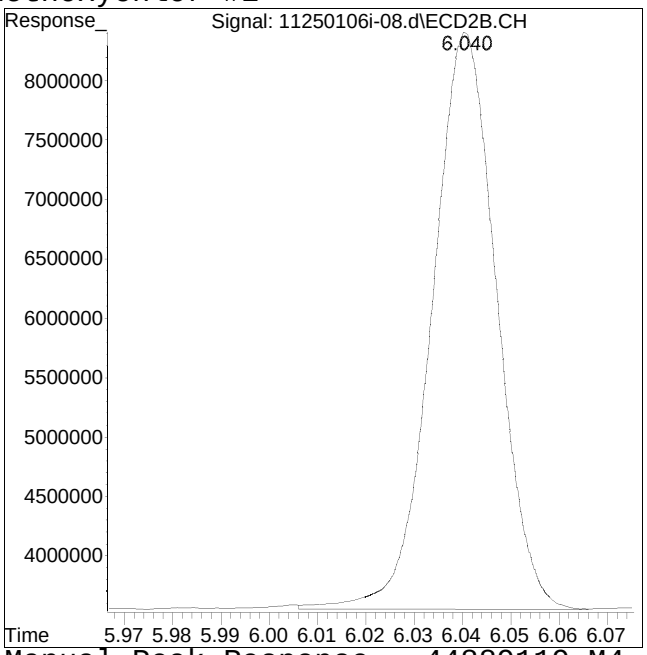
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-08.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:46 Instrument : Pest 11
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:01 pm

Compound #61: Methoxychlor #2



Original Peak Response = 49968189



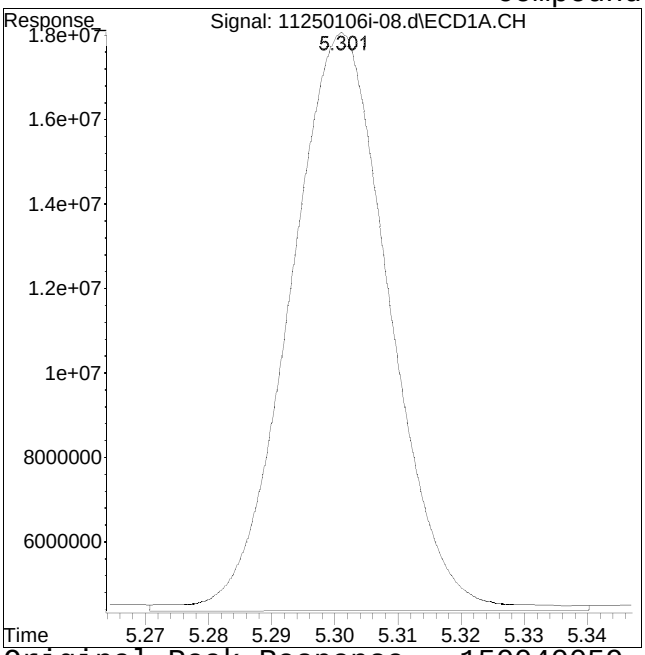
Manual Peak Response = 44889119 M4

M4 = Poor automated baseline construction.

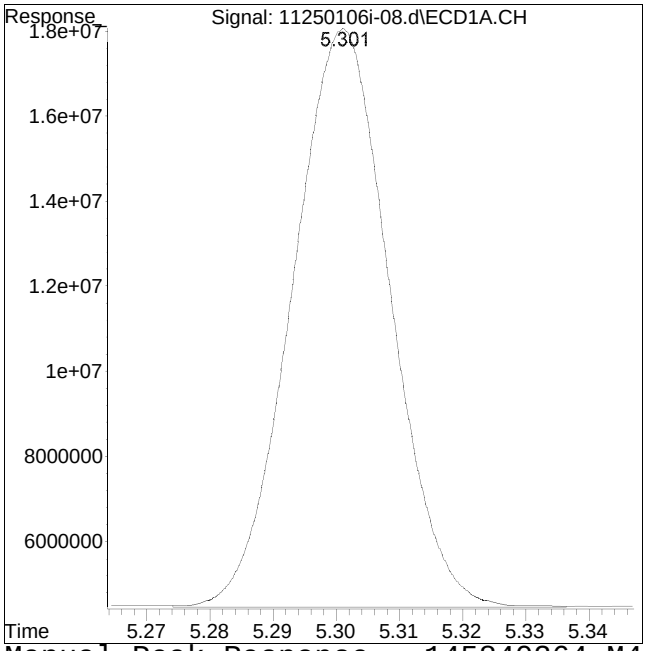
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-08.d
Date Inj'd : 1/6/2025 13:46
Sample : il7pest,42e,,pp 11941 L0.0
Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:01 pm

Compound #24: Mirex



Original Peak Response = 150040059



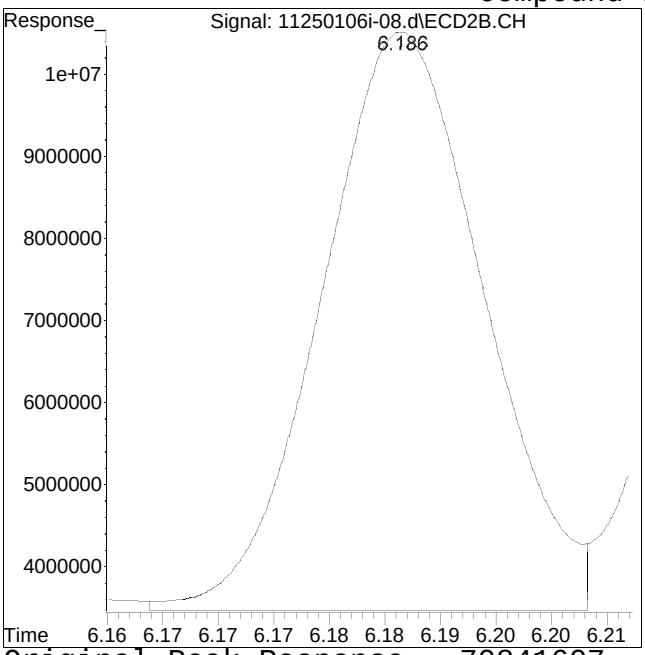
Manual Peak Response = 145840264 M4

M4 = Poor automated baseline construction.

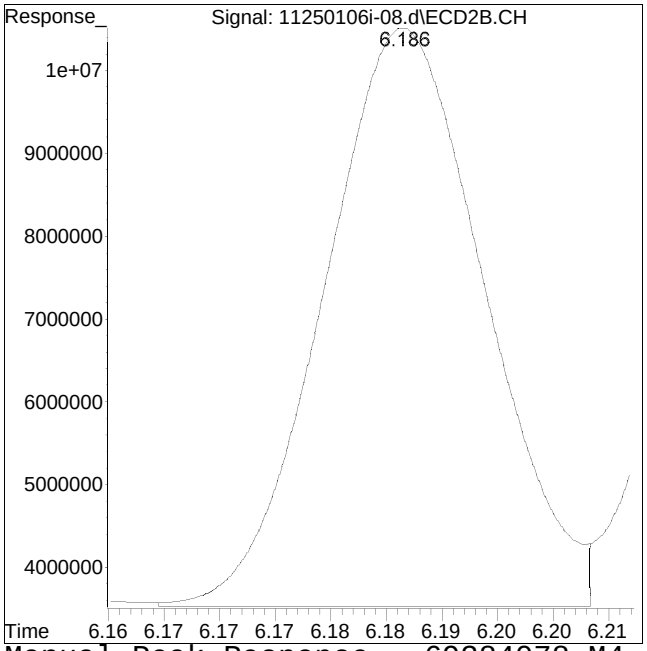
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-08.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:46 Instrument : Pest 11
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:01 pm

Compound #62: Mirex #2



Original Peak Response = 70841607

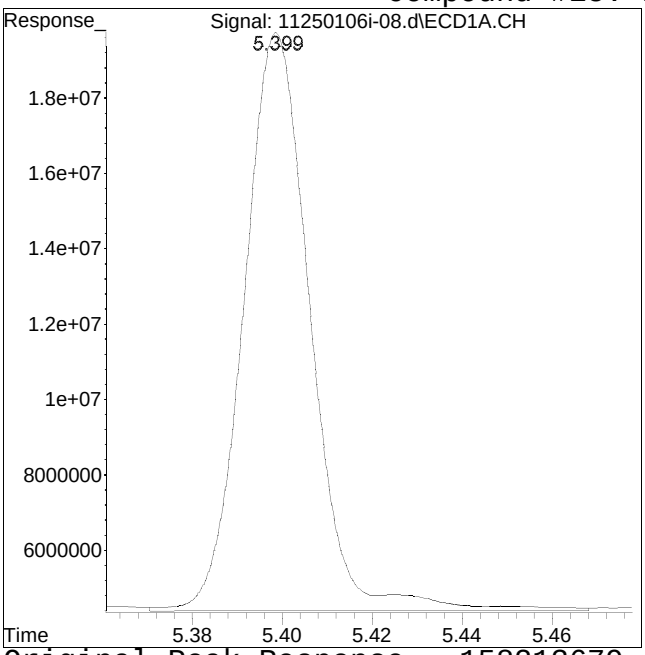


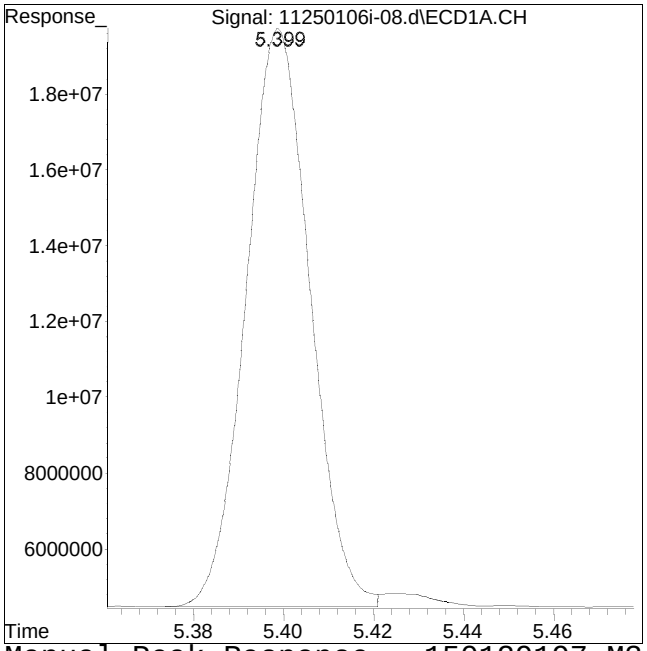
Manual Peak Response = 69384078 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-08.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:46 Instrument : Pest 11
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:01 pm

Compound #25: Endosulfan Sulfate



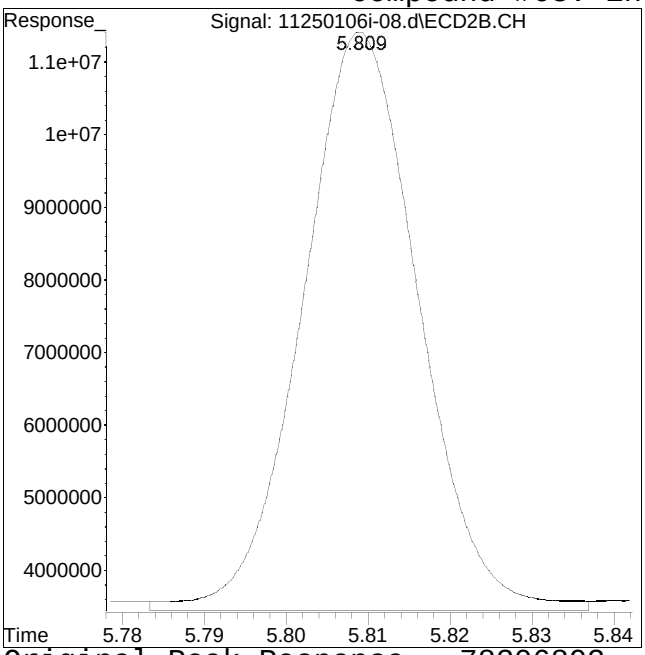


Original Peak Response = 158213679 Manual Peak Response = 150129197 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

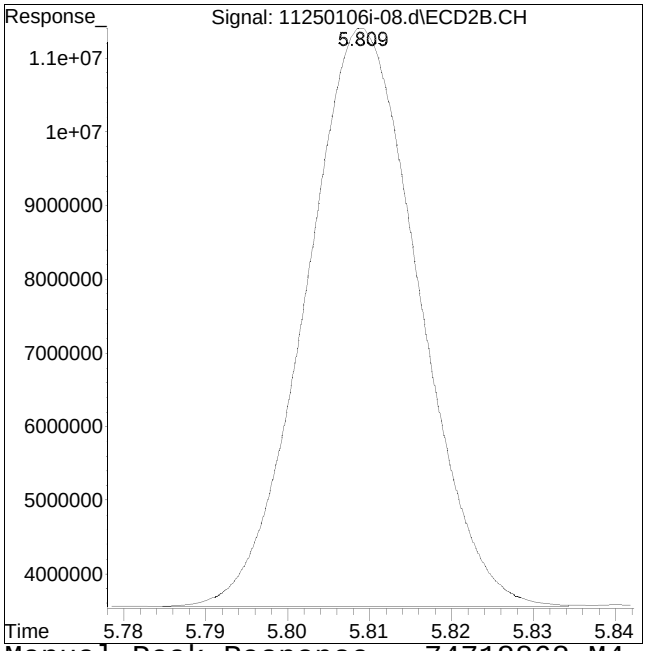
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-08.d
Date Inj'd : 1/6/2025 13:46
Sample : il7pest,42e,,pp 11941 L0.0
Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:01 pm

Compound #63: Endosulfan Sulfate #2



Original Peak Response = 78306893



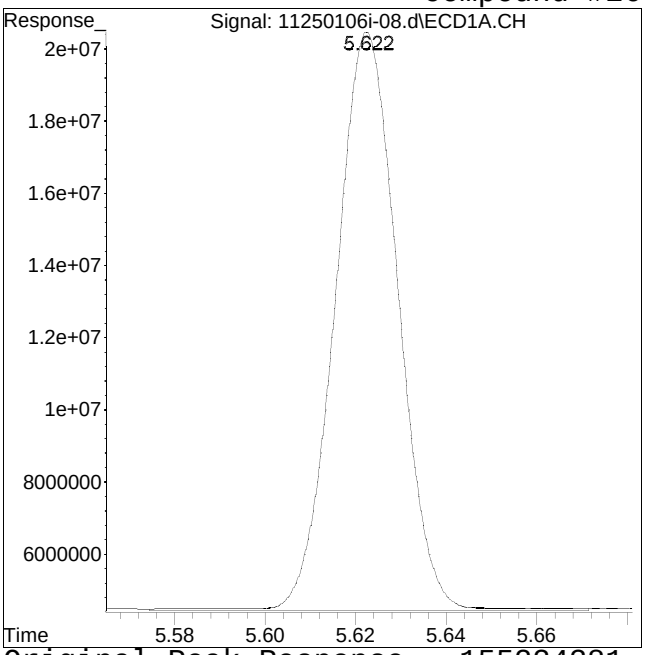
Manual Peak Response = 74718868 M4

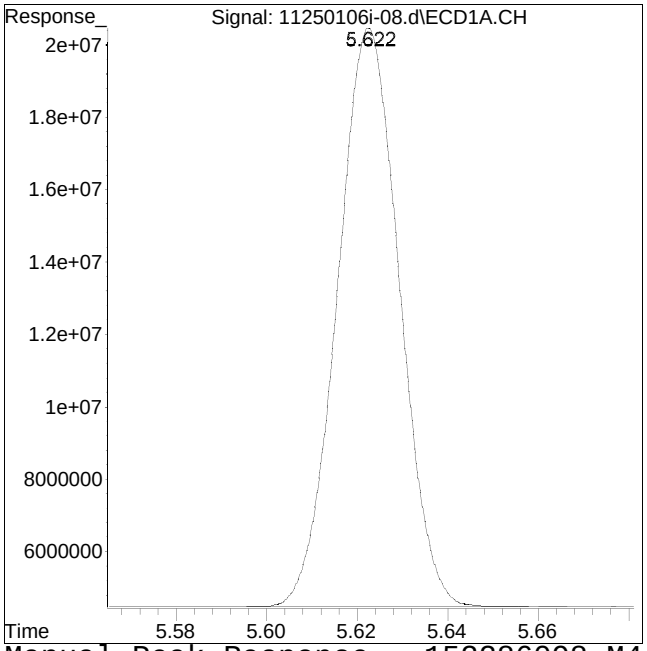
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-08.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:46 Instrument : Pest 11
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:01 pm

Compound #26: Endrin Ketone





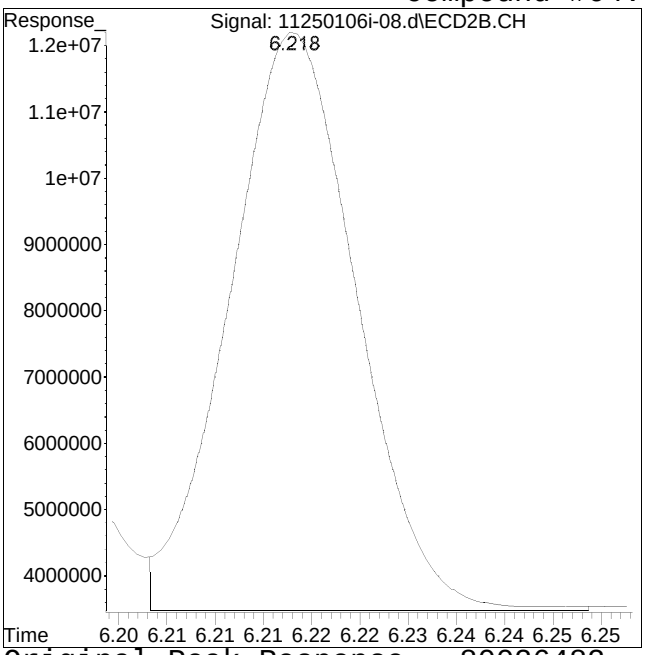
Original Peak Response = 155224381 Manual Peak Response = 152286098 M4
M4 = Poor automated baseline construction.

Manual Integration Report

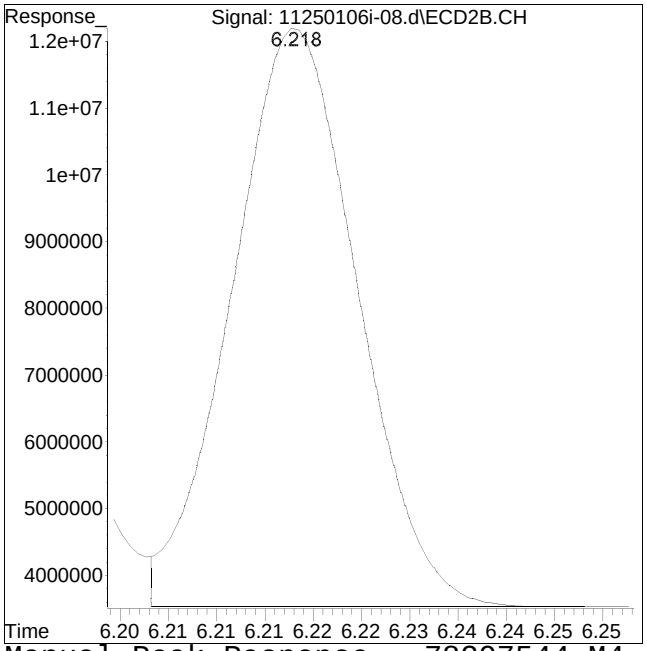
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-08.d
Date Inj'd : 1/6/2025 13:46
Sample : il7pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:01 pm

Compound #64: Endrin Ketone #2



Original Peak Response = 80026482



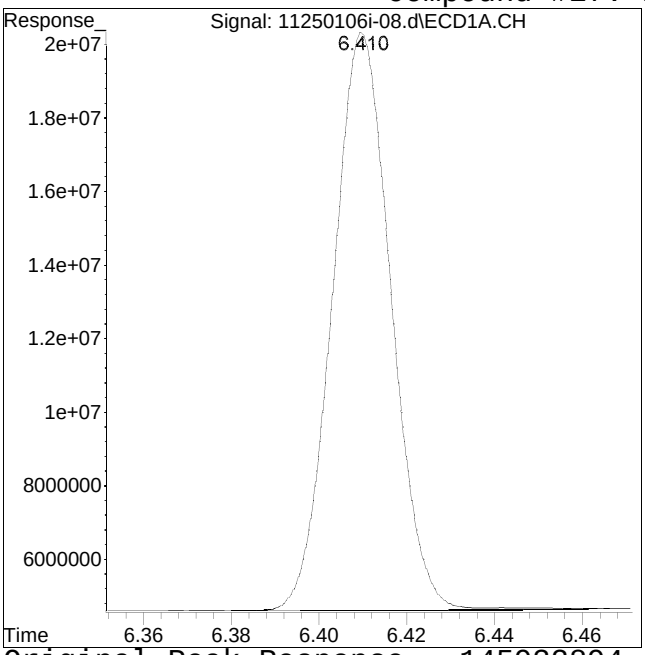
Manual Peak Response = 78297544 M4

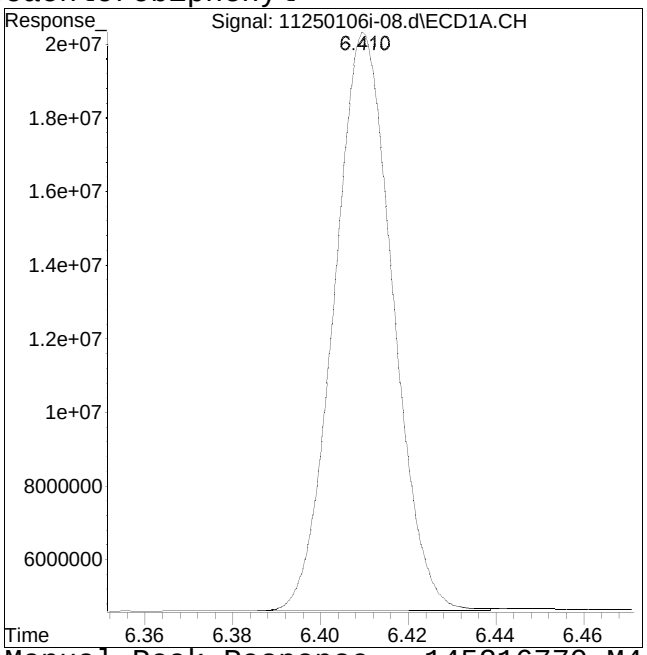
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-08.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:46 Instrument : Pest 11
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:01 pm

Compound #27: Decachlorobiphenyl



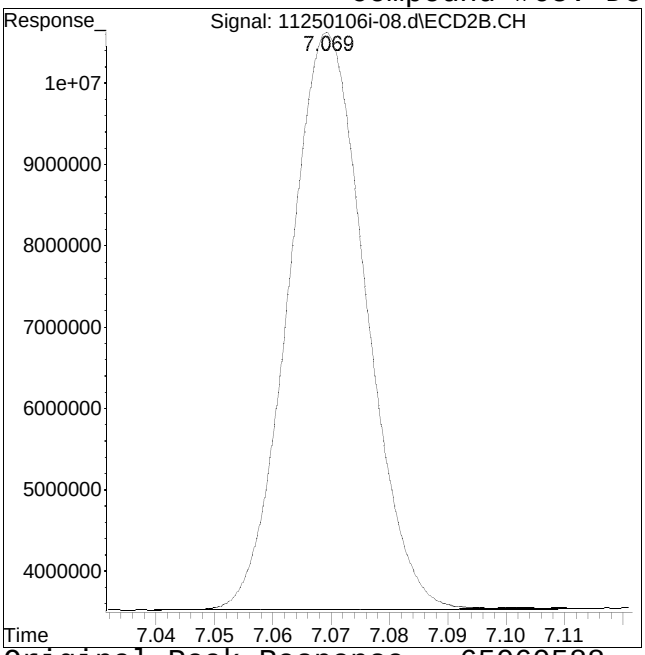


Original Peak Response = 145932894 Manual Peak Response = 145216770 M4
M4 = Poor automated baseline construction.

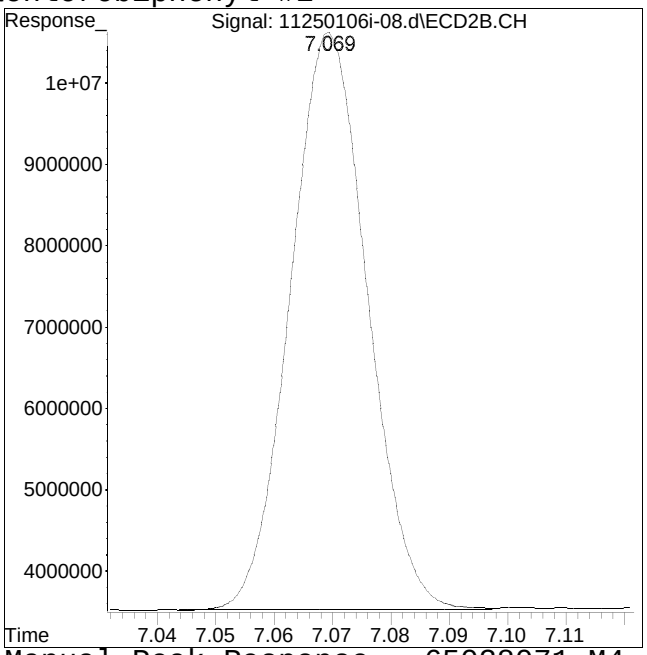
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-08.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:46 Instrument : Pest 11
Sample : il7pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 12:01 pm

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 65060588



Manual Peak Response = 65038071 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 13:58
Operator : PEST11:akm
Sample : il8pest,42e,,pp 11941 L0.05
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 11:33:34 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 11:32:49 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
		Internal Standards						
1)	i	1-br-2-nb_Pe	1.375	1.457	322.8E6	180.8E6	25.000M4	25.000
28)	i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33)	i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
		System Monitoring Compounds						
2)	s	2,4,5,6-Tetr	1.733	1.960	786.4E6	356.9E6	NoCal M3	NoCal
		Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27)	s	Decachlorobi	6.409	7.069	695.4E6	296.3E6	NoCal M4	NoCal M4
		Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
		Target Compounds						
3)	t	Hexachlorobe	1.956	2.299	837.4E6	383.3E6	NoCal M3	NoCal
4)	t	alpha-BHC	2.060	2.400	1139.3E6	527.2E6	NoCal M4	NoCal
5)	t	gamma-BHC (l	2.272	2.701	1010.6E6	480.1E6	NoCal M3	NoCal
6)	t	beta-BHC	2.329	2.768	425.0E6	207.2E6	NoCal M4	NoCal
7)	t	delta-BHC	2.464	3.049	1034.8E6	489.3E6	NoCal M4	NoCal
8)	t	Heptachlor	2.634	3.120	928.0E6	476.4E6	NoCal M3	NoCal
9)	t	Aldrin	2.887	3.455	954.9E6	437.2E6	NoCal M3	NoCal
10)	t	Alachlor	3.011	3.329	128.5E6	66626579	NoCal M3	NoCal
11)	t	Chlorpyrifos	3.106	3.698	449.2E6	234.3E6	NoCal M4	NoCal

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 13:58
Operator : PEST11:akm
Sample : il8pest,42e,,pp 11941 L0.05
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 11:33:34 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 11:32:49 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.453	4.094	865.0E6	422.2E6	NoCal M3	NoCal
13)	t	gamma-Chlord	3.581	4.313	804.2E6	373.8E6	NoCal M3	NoCal M4
14)	t	alpha-Chlord	3.719	4.474	922.4E6	417.7E6	NoCal M3	NoCal M4
15)	t	4,4'-DDE	3.818	4.659	913.8E6	411.4E6	NoCal M3	NoCal M3
16)	t	Endosulfan I	3.861	4.533	830.8E6	388.5E6	NoCal M4	NoCal M4
17)	t	Dieldrin	4.128	4.813	863.7E6	398.5E6	NoCal M3	NoCal M4
18)	t	Endrin	4.380	5.102	857.2E6	405.8E6	NoCal M4	NoCal M3
19)	t	4,4'-DDD	4.481	5.215	674.4E6	327.5E6	NoCal M4	NoCal M4
20)	t	Endosulfan I	4.611	5.294	772.3E6	358.4E6	NoCal M4	NoCal M4
21)	t	4,4'-DDT	4.765	5.487	693.9E6	369.4E6	NoCal	NoCal M3
22)	t	Endrin Aldeh	5.016	5.584	649.4E6	303.9E6	NoCal M4	NoCal M3
23)	t	Methoxychlor	5.236	6.040	381.4E6	198.0E6	NoCal M4	NoCal M4
24)	t	Mirex	5.300	6.186	673.3E6	294.8E6	NoCal M3	NoCal M4
25)	t	Endosulfan S	5.399	5.809	764.0E6	345.9E6	NoCal M3	NoCal M3
26)	t	Endrin Keton	5.622	6.218	771.2E6	374.8E6	NoCal M3	NoCal M4
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 13:58
Operator : PEST11:akm
Sample : il8pest,42e,,pp 11941 L0.05
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 11:33:34 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 11:32:49 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

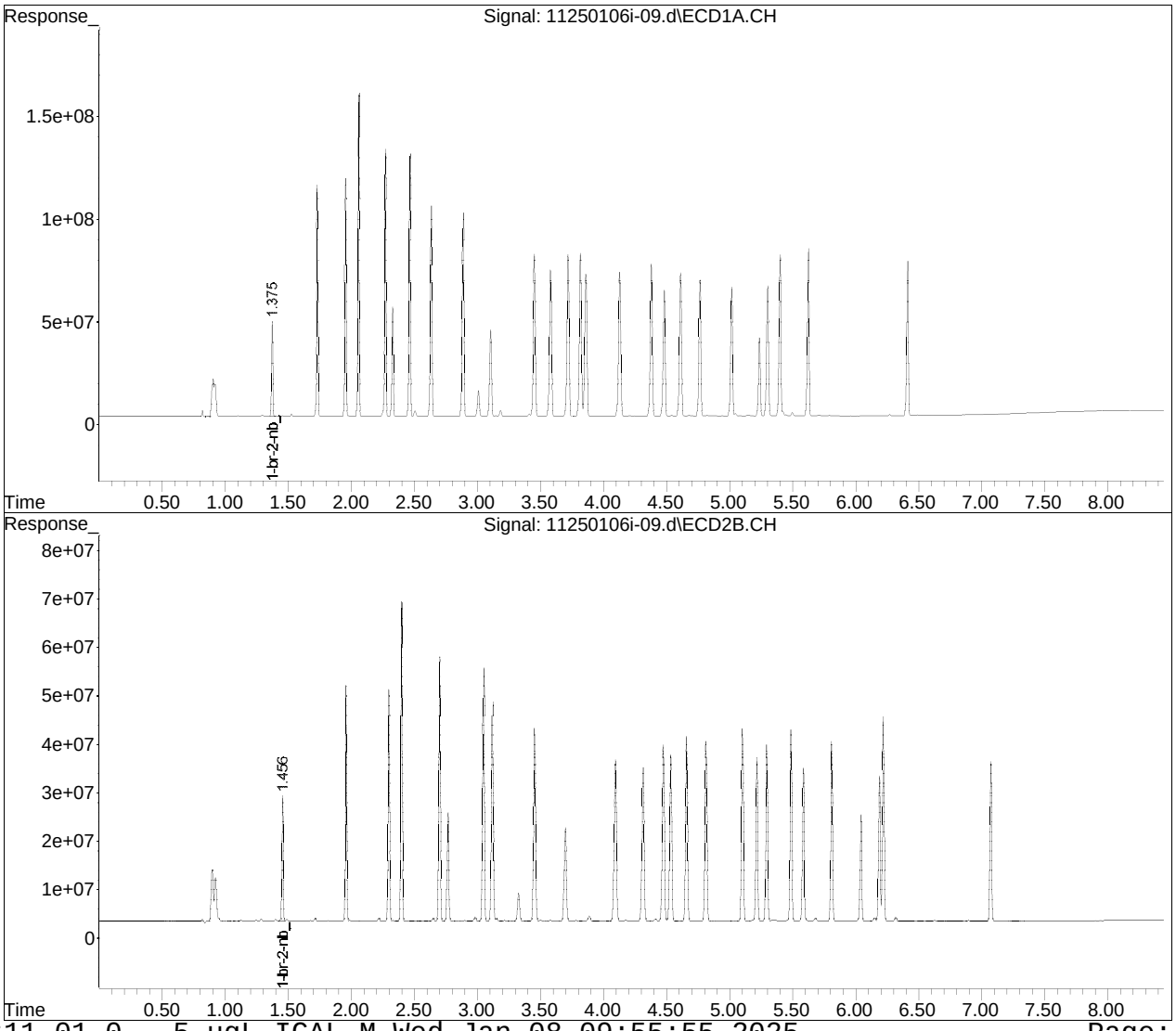
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 13:58
Operator : PEST11:akm
Sample : il8pest,42e,,pp 11941 L0.05
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 11:33:34 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 11:32:49 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

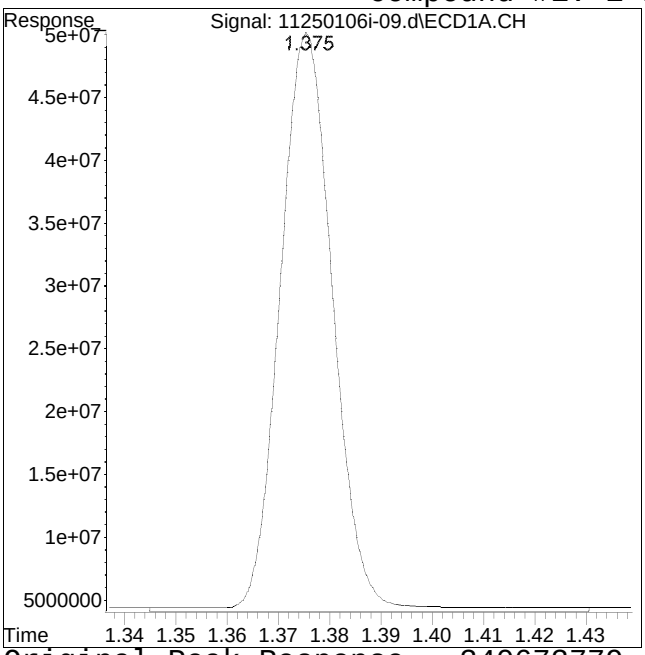


Manual Integration Report

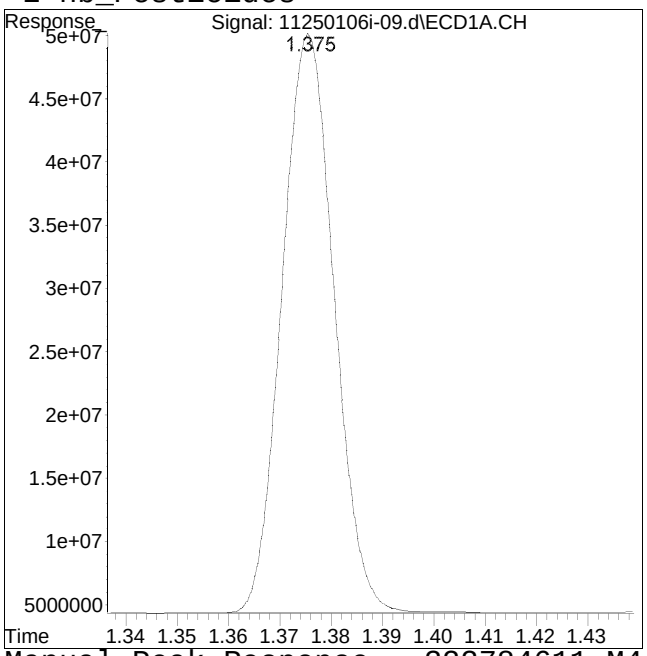
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-09.d
Date Inj'd : 1/6/2025 13:58
Sample : il8pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:33 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 340673779



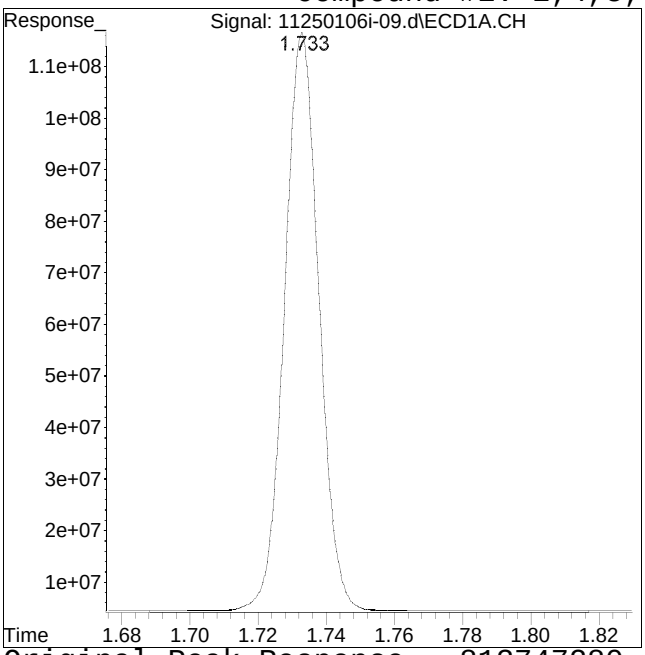
Manual Peak Response = 322784611 M4

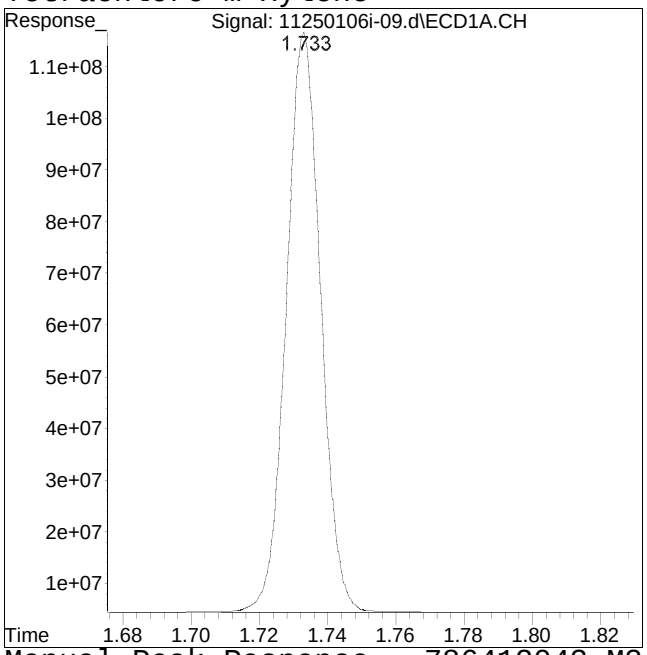
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-09.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:58 Instrument : Pest 11
Sample : il8pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 11:33 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



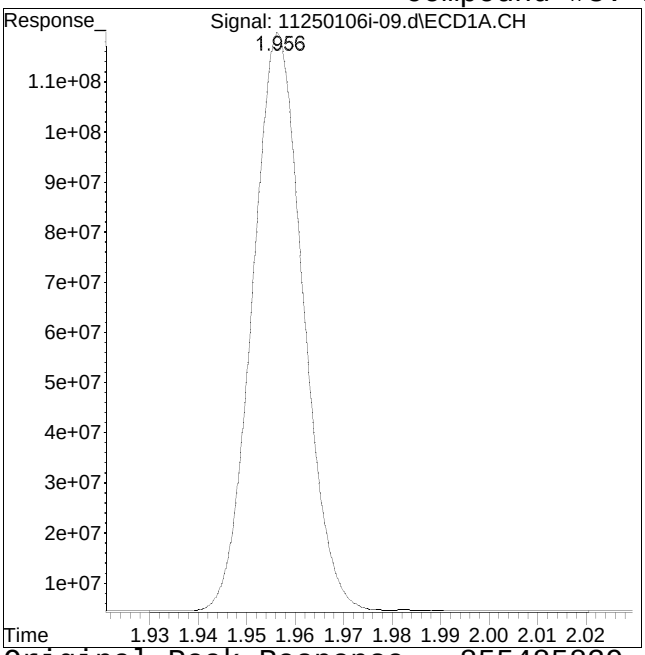


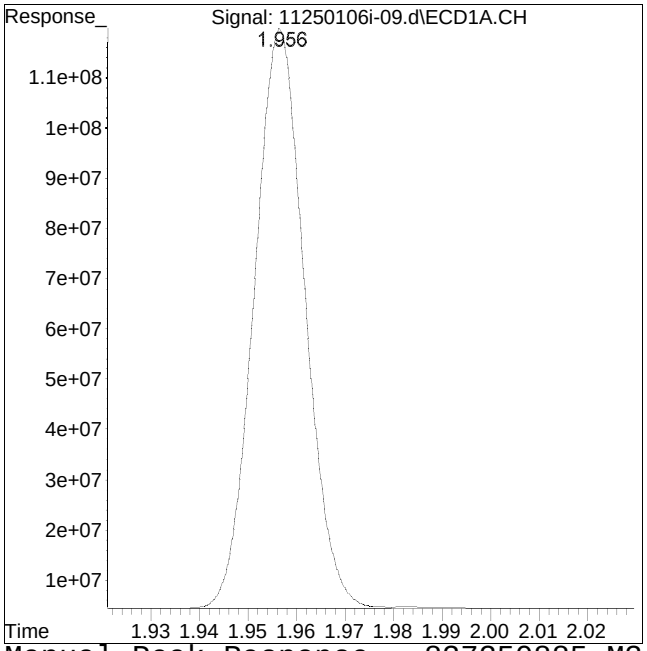
Original Peak Response = 813747280 Manual Peak Response = 786412043 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-09.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:58 Instrument : Pest 11
Sample : il8pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 11:33 am

Compound #3: Hexachlorobenzene





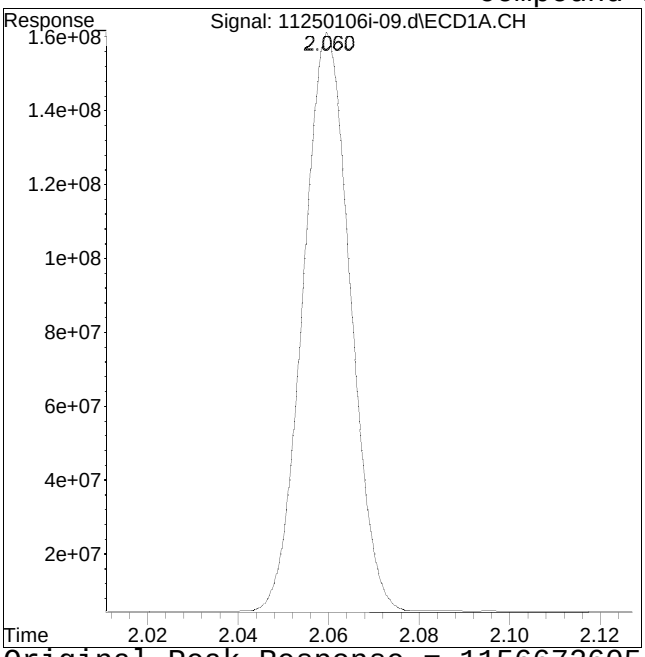
Original Peak Response = 855485839 Manual Peak Response = 837350885 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

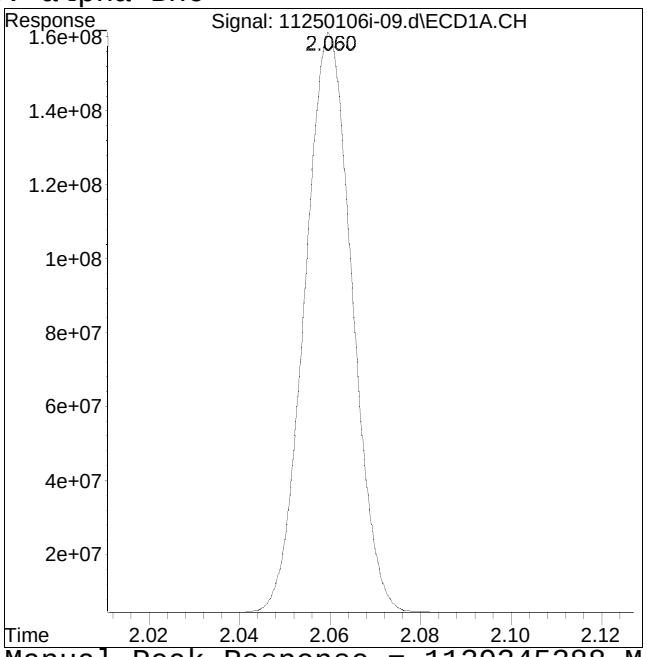
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-09.d
Date Inj'd : 1/6/2025 13:58
Sample : il8pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:33 am

Compound #4: alpha-BHC



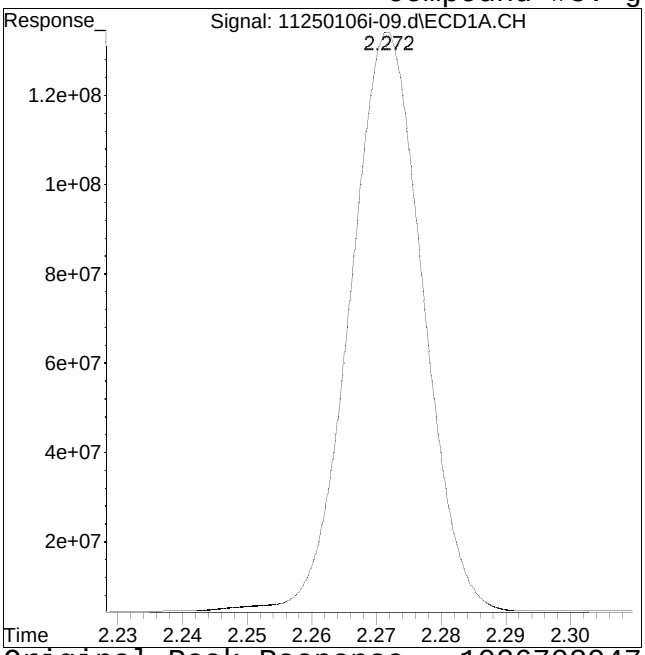


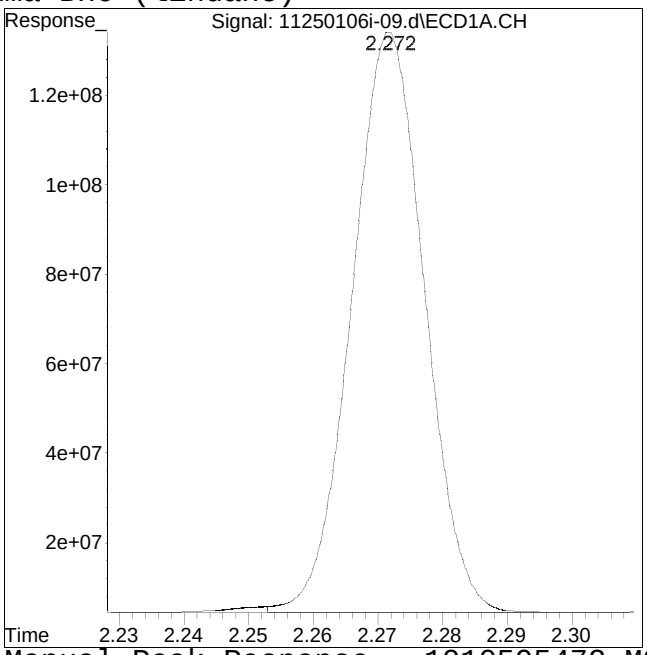
Original Peak Response = 1156672605 Manual Peak Response = 1139345388 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-09.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:58 Instrument : Pest 11
Sample : il8pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 11:33 am

Compound #5: gamma-BHC (lindane)



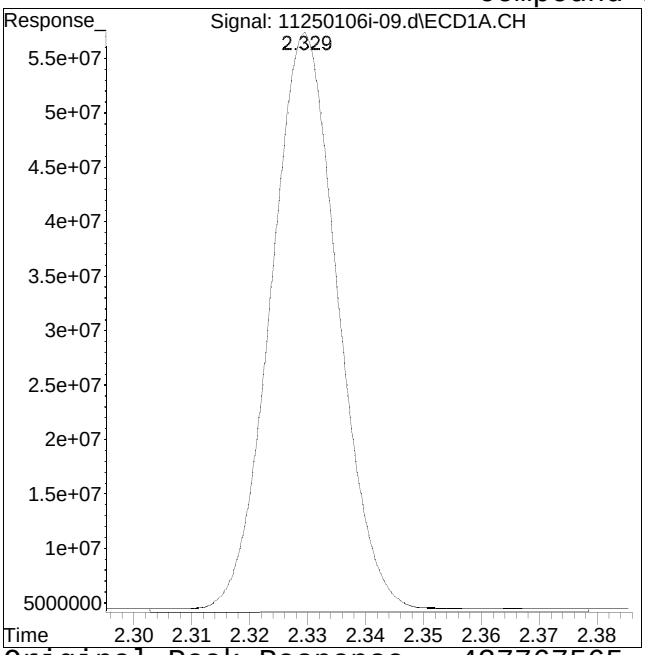


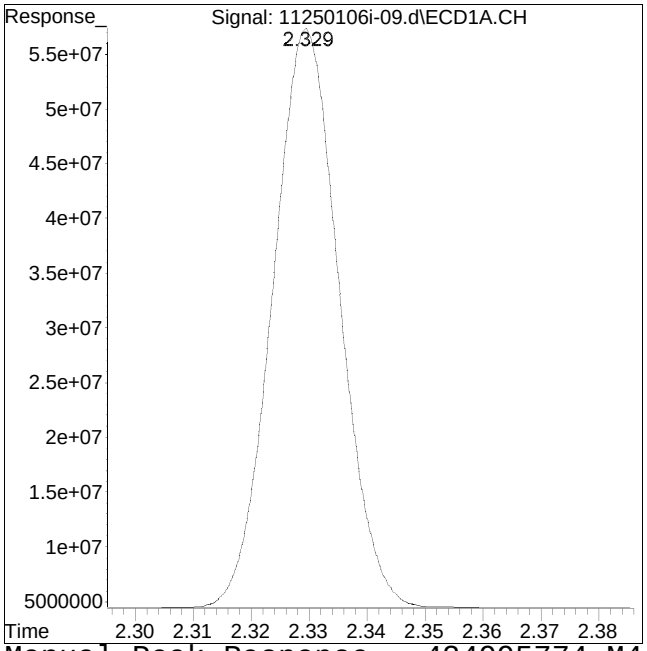
Original Peak Response = 1026703047 Manual Peak Response = 1010595472 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-09.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:58 Instrument : Pest 11
Sample : il8pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 11:33 am

Compound #6: beta-BHC



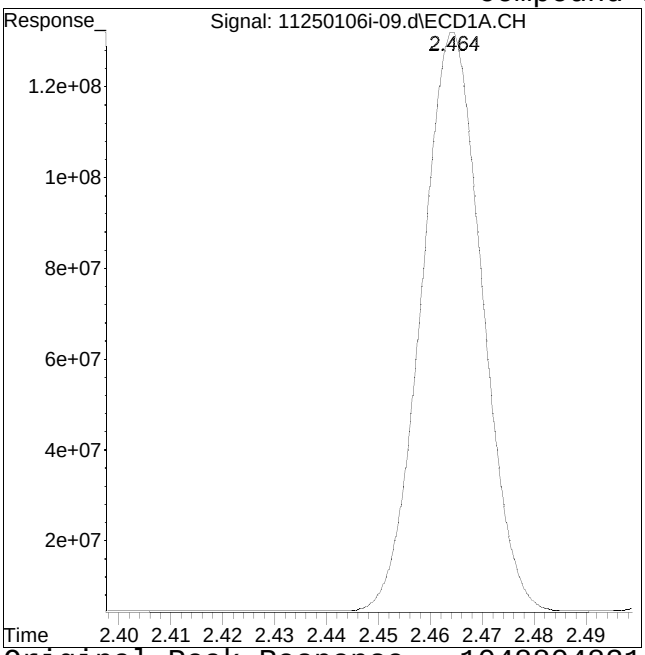


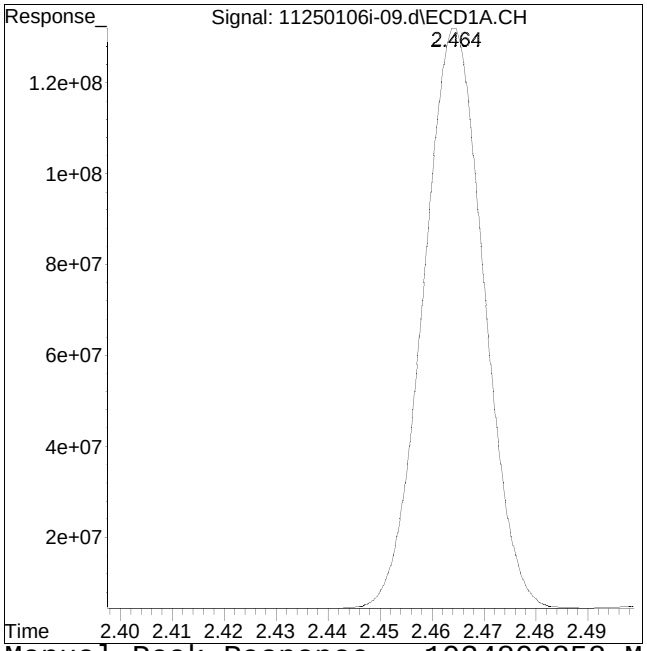
Original Peak Response = 437767565 Manual Peak Response = 424995774 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-09.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:58 Instrument : Pest 11
Sample : il8pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 11:33 am

Compound #7: delta-BHC



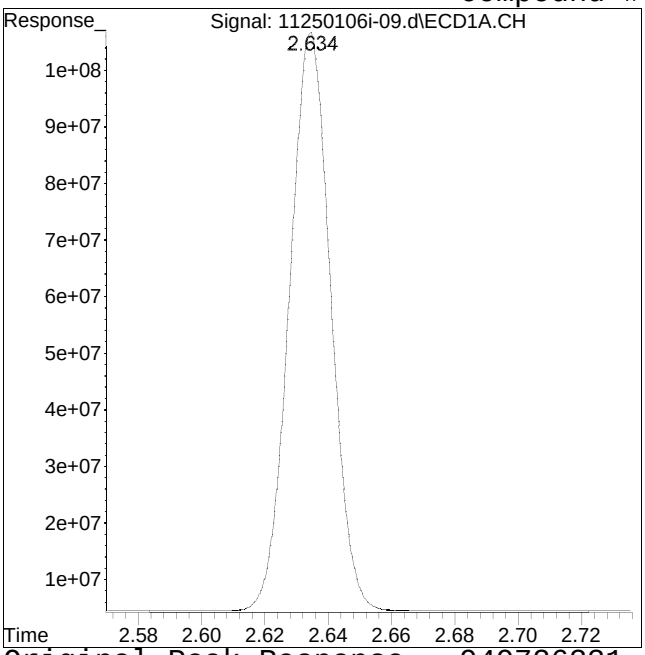


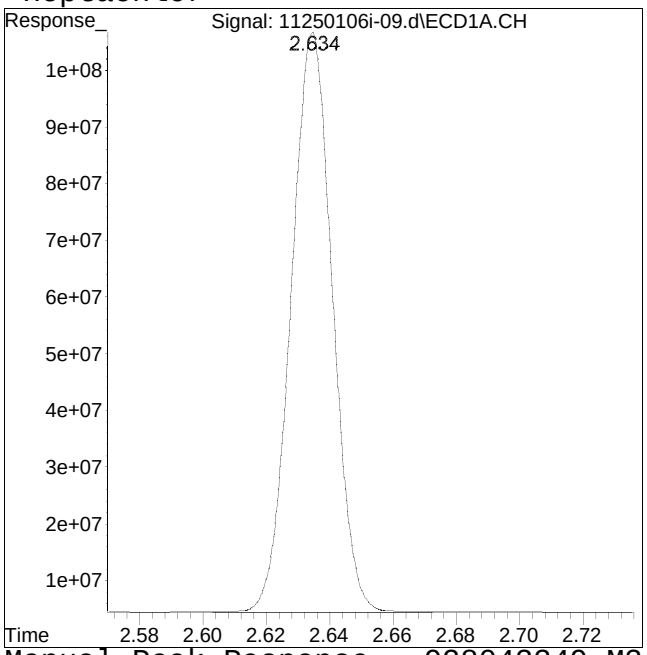
Original Peak Response = 1048804831 Manual Peak Response = 1034803858 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-09.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:58 Instrument : Pest 11
Sample : il8pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 11:33 am

Compound #8: Heptachlor



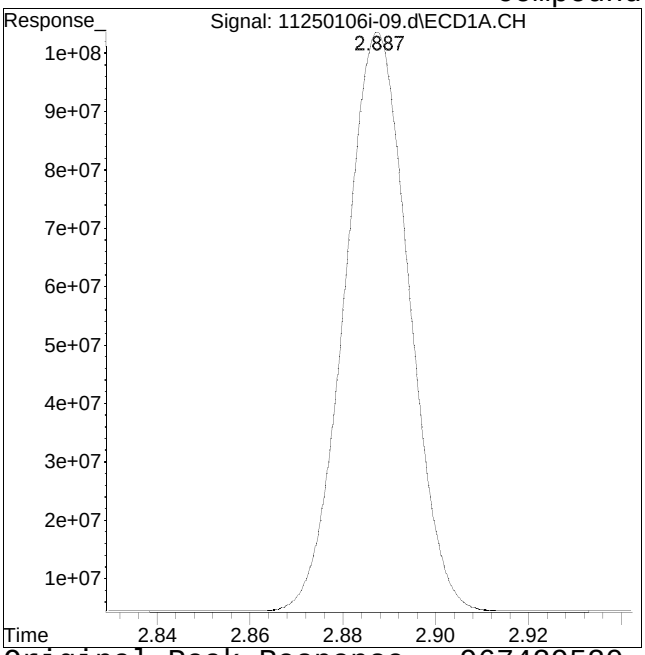


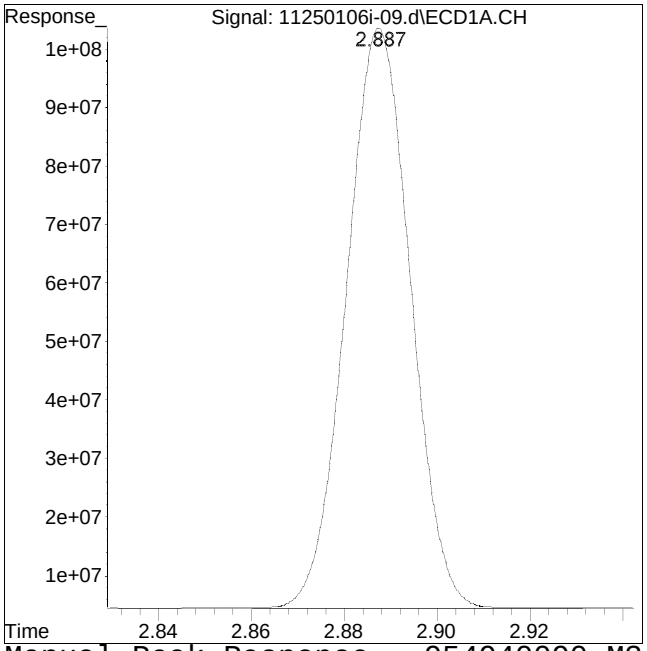
Original Peak Response = 949726331 Manual Peak Response = 928043349 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-09.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:58 Instrument : Pest 11
Sample : il8pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 11:33 am

Compound #9: Aldrin



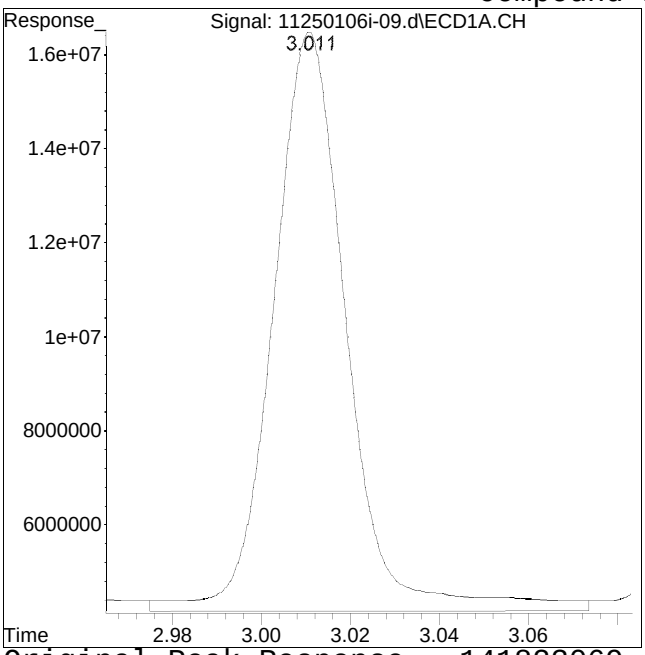


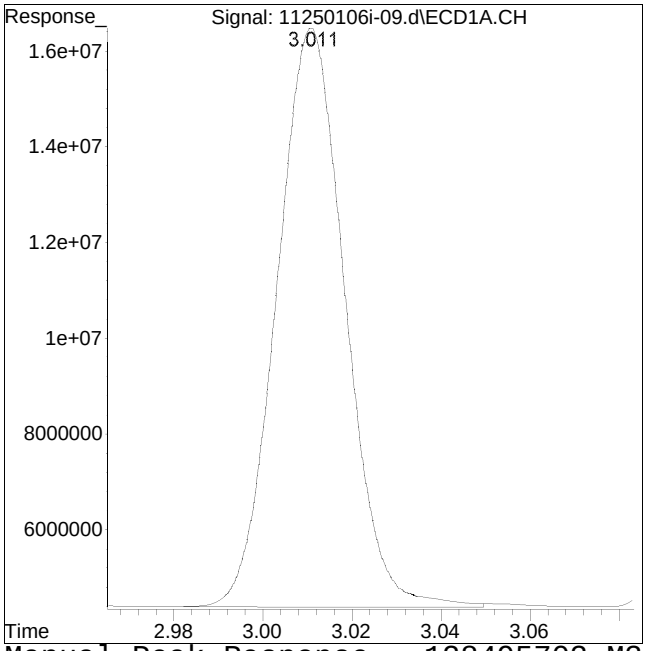
Original Peak Response = 967429520 Manual Peak Response = 954940090 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-09.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:58 Instrument : Pest 11
Sample : il8pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 11:33 am

Compound #10: Alachlor



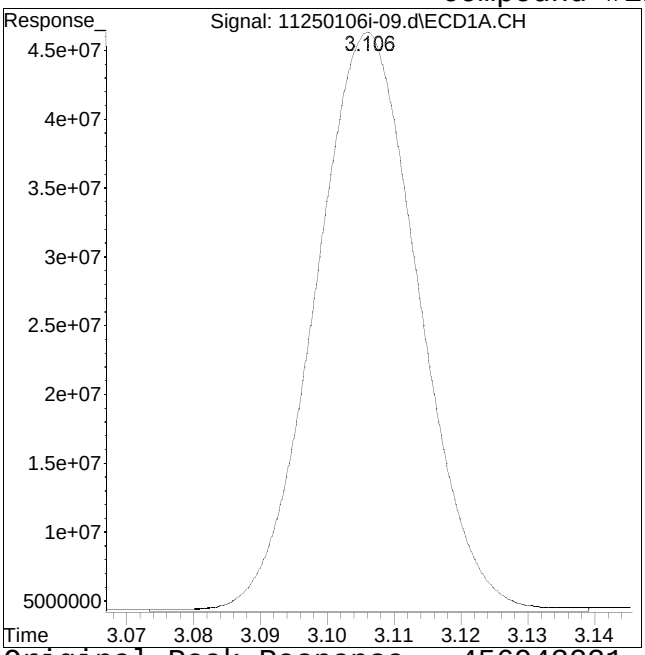


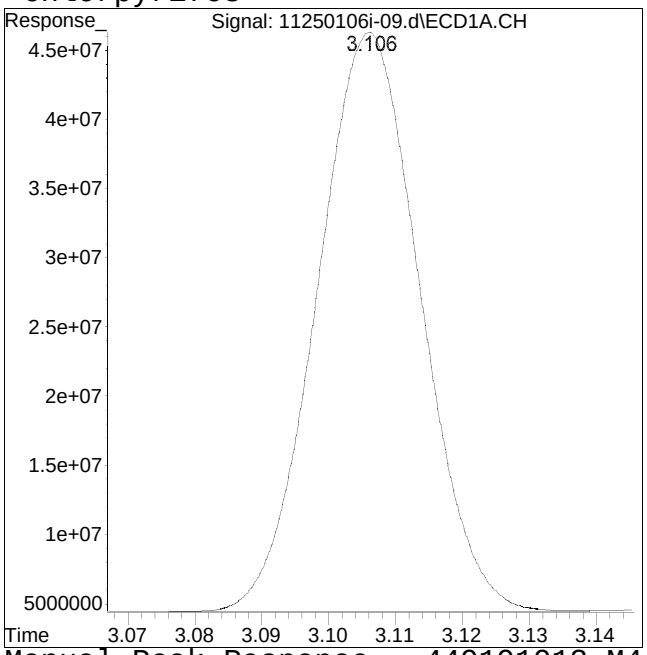
Original Peak Response = 141823069 Manual Peak Response = 128495703 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-09.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:58 Instrument : Pest 11
Sample : il8pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 11:33 am

Compound #11: Chlorpyrifos



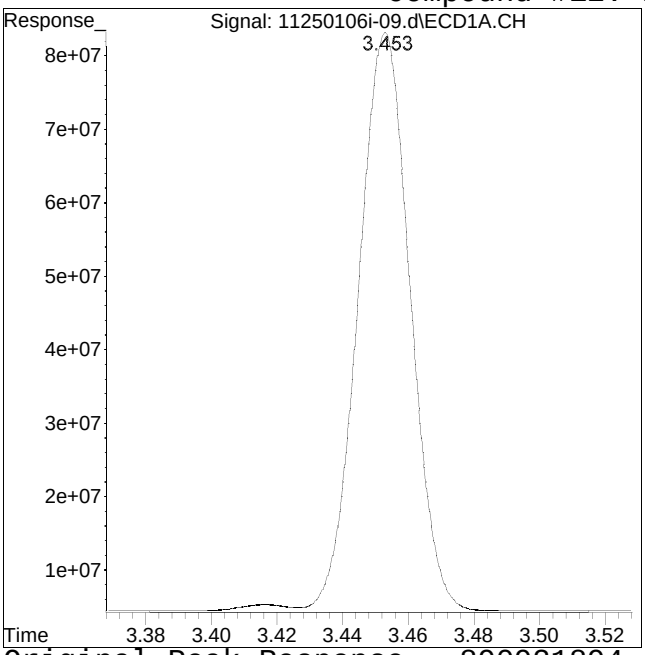


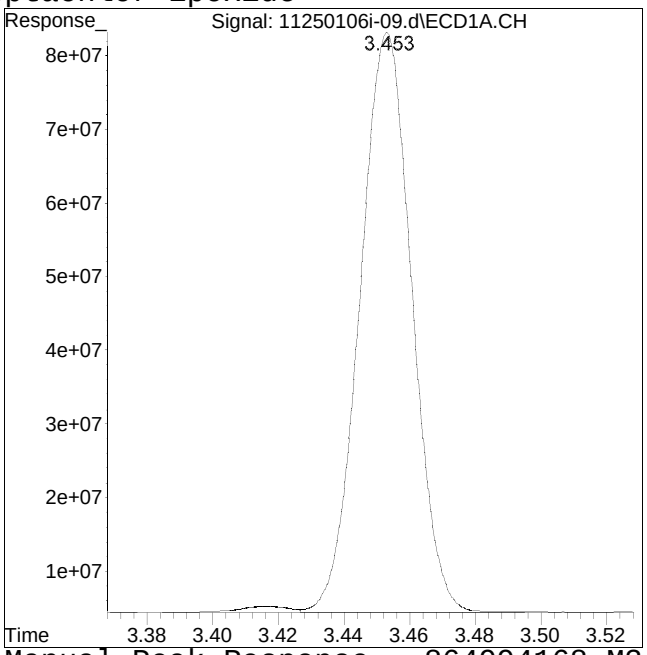
Original Peak Response = 456943221 Manual Peak Response = 449191913 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-09.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:58 Instrument : Pest 11
Sample : il8pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 11:33 am

Compound #12: Heptachlor Epoxide



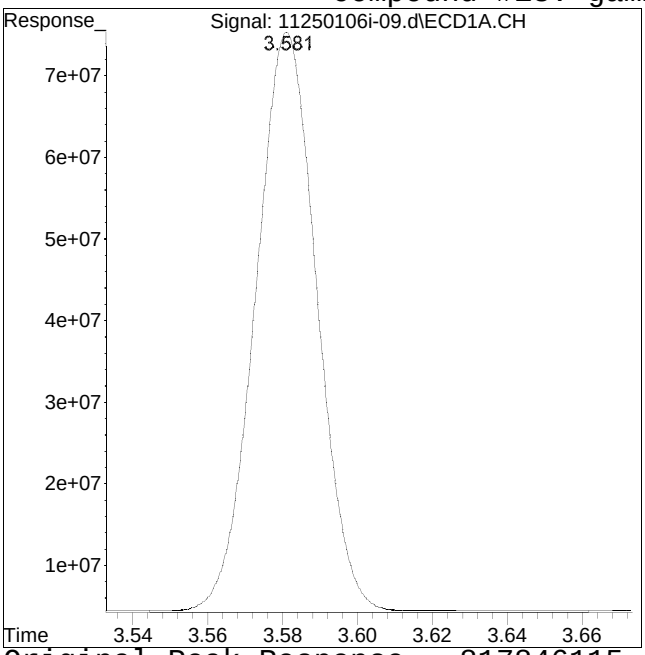


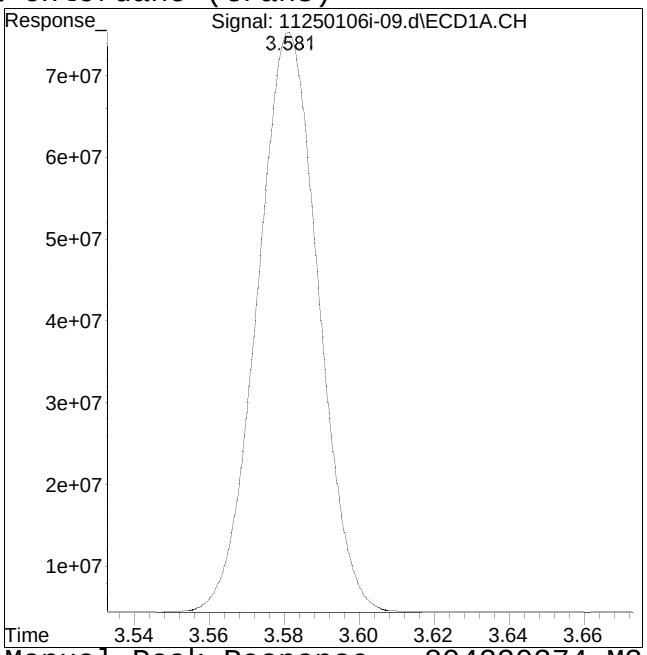
Original Peak Response = 890921894 Manual Peak Response = 864994168 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-09.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:58 Instrument : Pest 11
Sample : il8pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 11:33 am

Compound #13: gamma-Chlordane (trans)



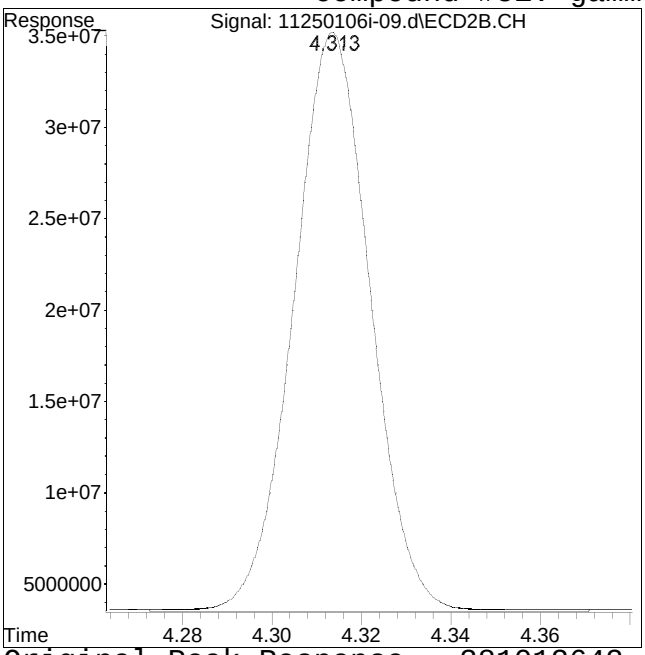


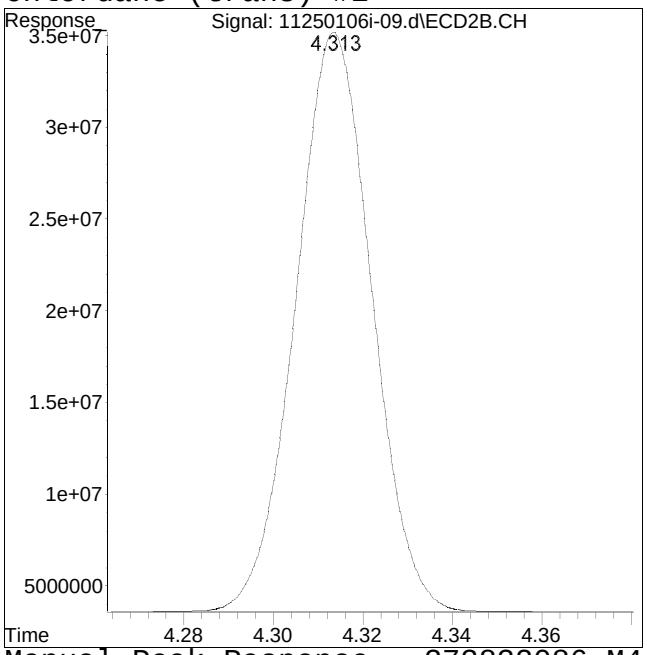
Original Peak Response = 817846115 Manual Peak Response = 804220374 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-09.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:58 Instrument : Pest 11
Sample : il8pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 11:33 am

Compound #51: gamma-Chlordane (trans) #2





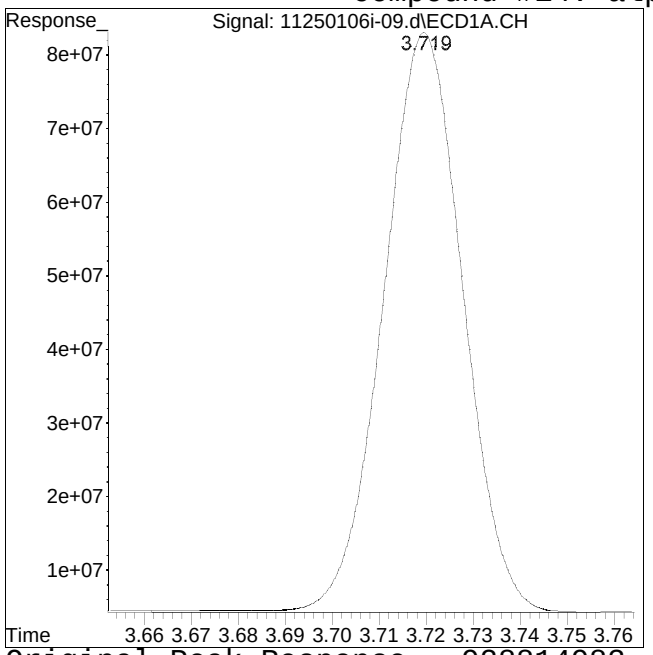
Original Peak Response = 381012642 Manual Peak Response = 373832086 M4
M4 = Poor automated baseline construction.

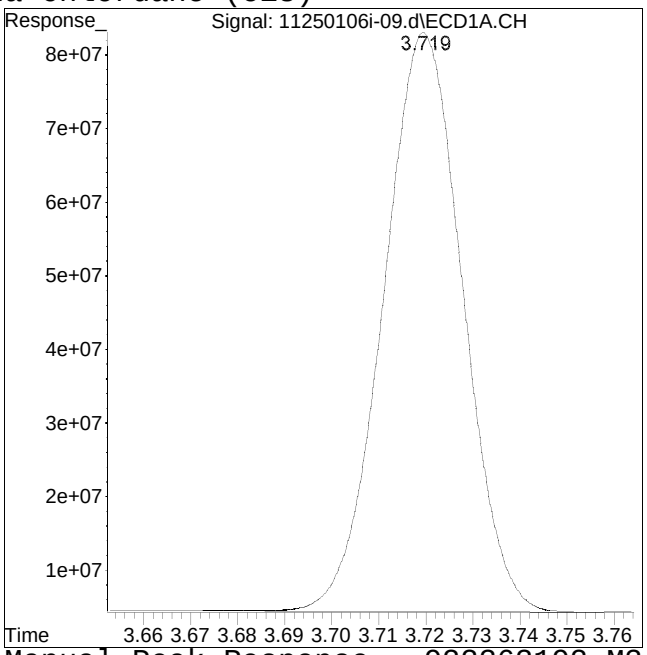
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-09.d
Date Inj'd : 1/6/2025 13:58
Sample : il8pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:33 am

Compound #14: alpha-Chlordane (cis)





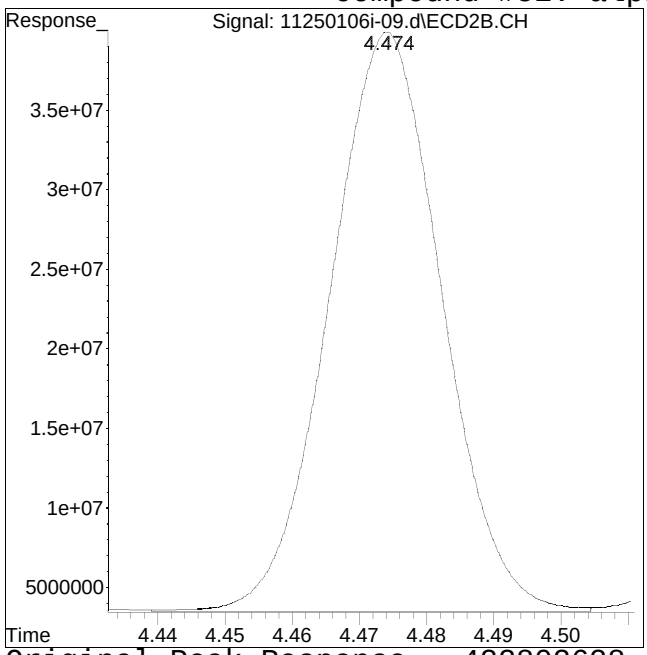
Original Peak Response = 928814983 Manual Peak Response = 922363192 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

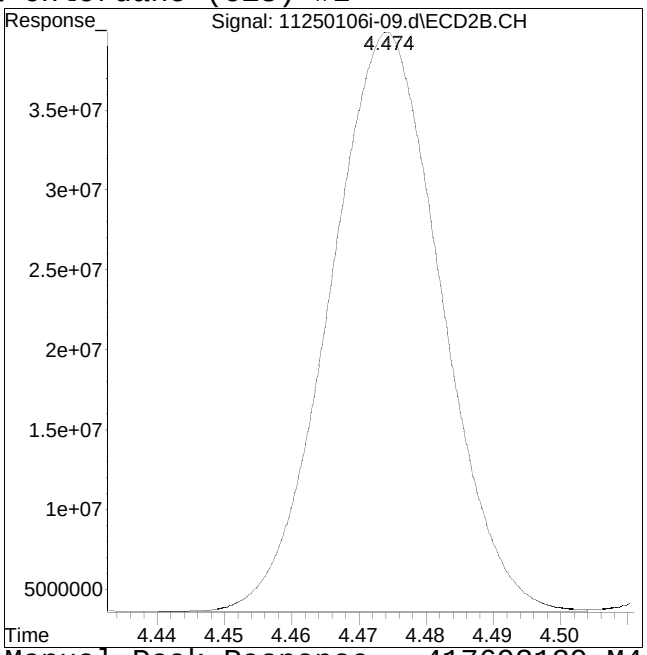
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-09.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:58 Instrument : Pest 11
Sample : il8pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 11:33 am

Compound #52: alpha-Chlordane (cis) #2



Original Peak Response = 422802628

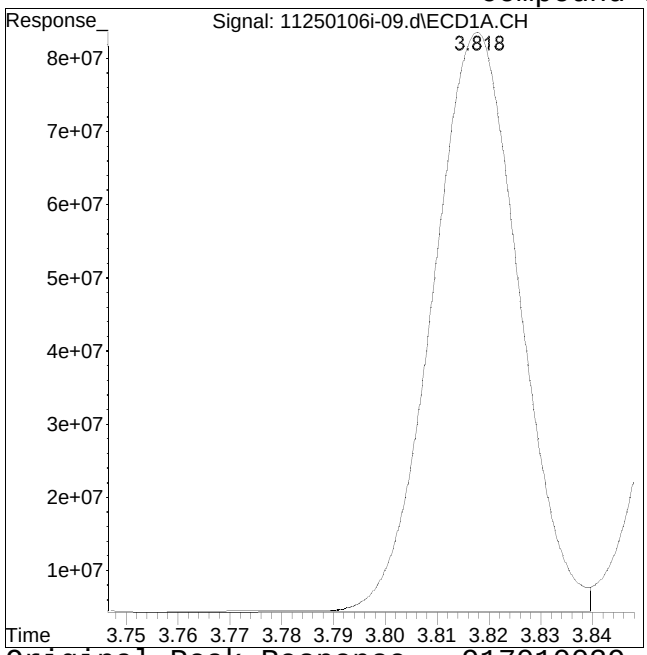


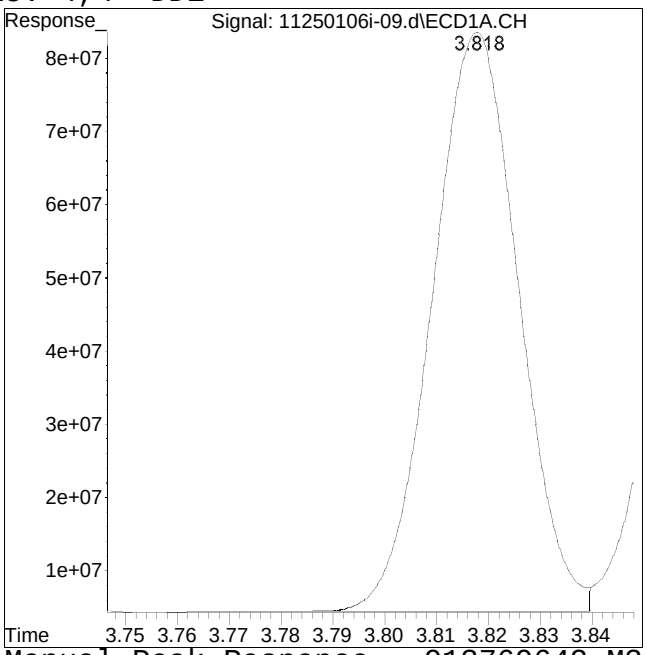
Manual Peak Response = 417693129 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-09.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:58 Instrument : Pest 11
Sample : il8pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 11:33 am

Compound #15: 4,4'-DDE





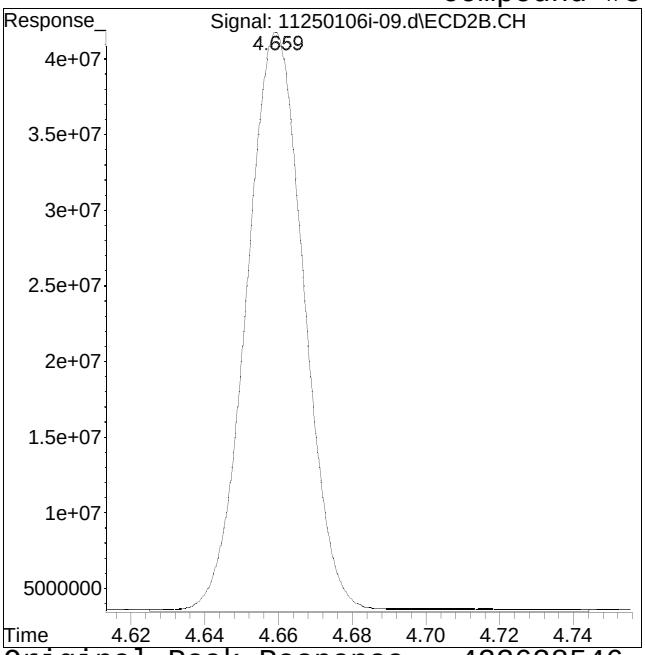
Original Peak Response = 917010039 Manual Peak Response = 913769642 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

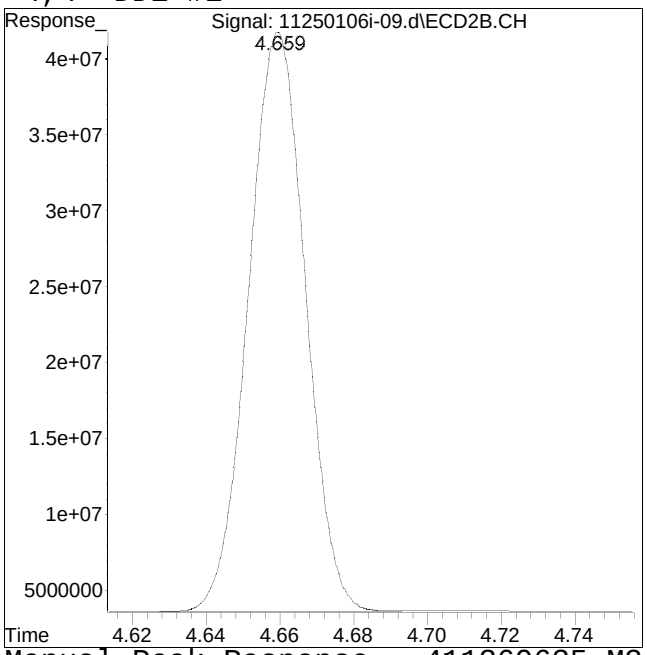
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-09.d
Date Inj'd : 1/6/2025 13:58
Sample : il8pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:33 am

Compound #53: 4,4'-DDE #2





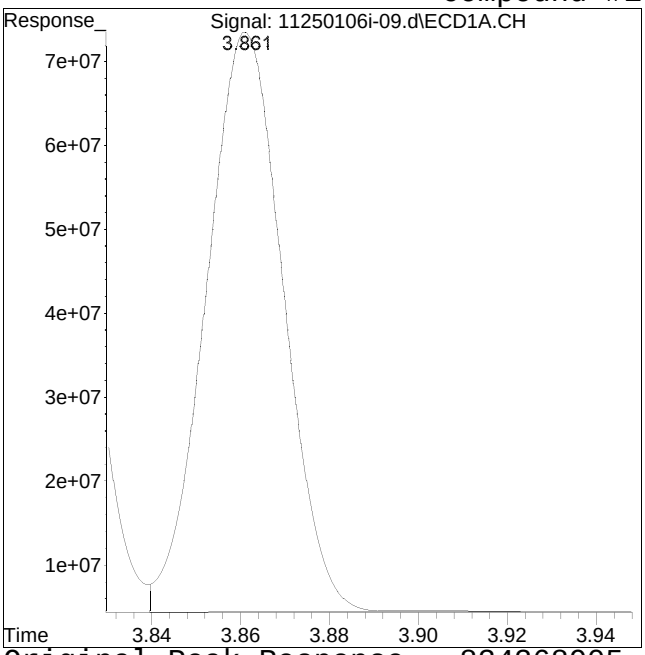
Original Peak Response = 423638546 Manual Peak Response = 411369635 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

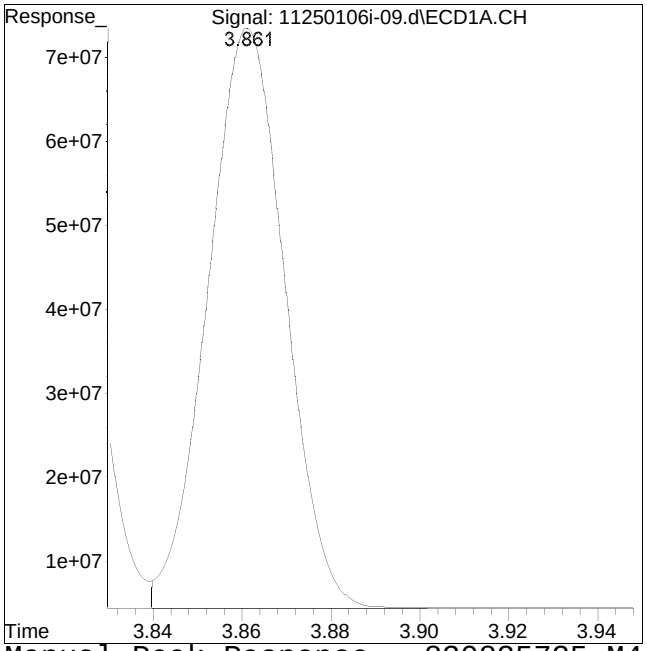
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-09.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:58 Instrument : Pest 11
Sample : il8pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 11:33 am

Compound #16: Endosulfan I



Original Peak Response = 834368905

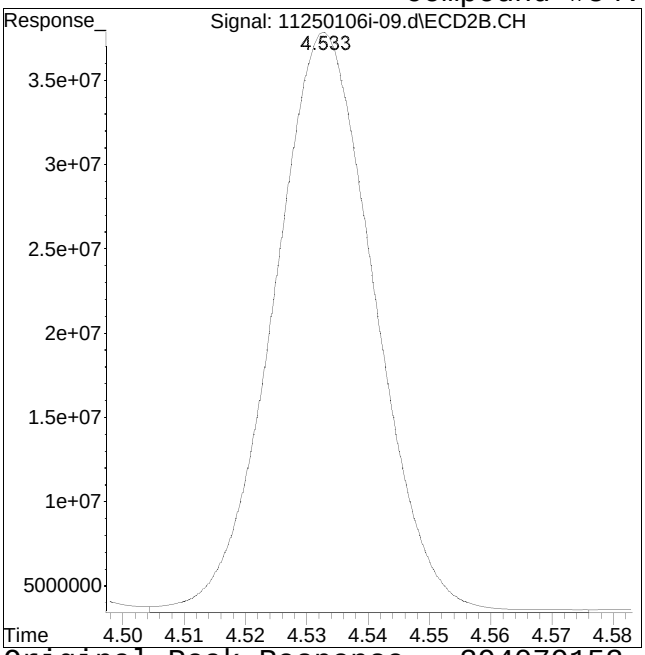


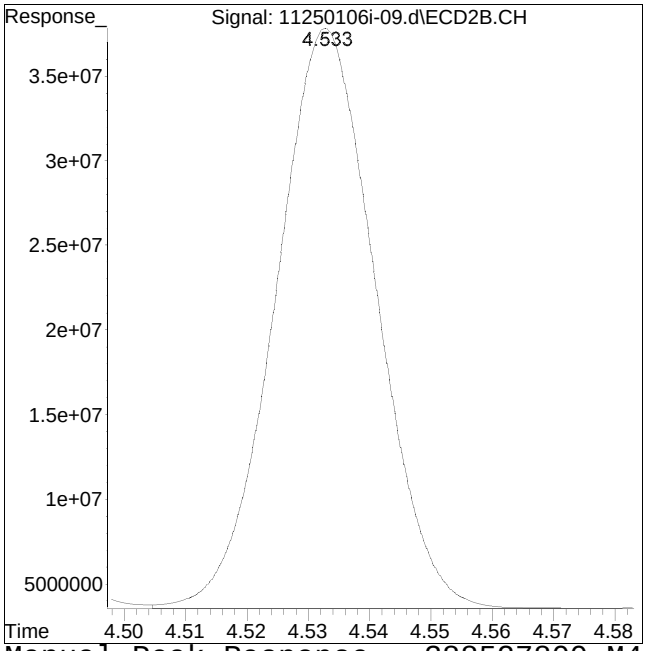
Manual Peak Response = 830835735 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-09.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:58 Instrument : Pest 11
Sample : il8pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 11:33 am

Compound #54: Endosulfan I #2



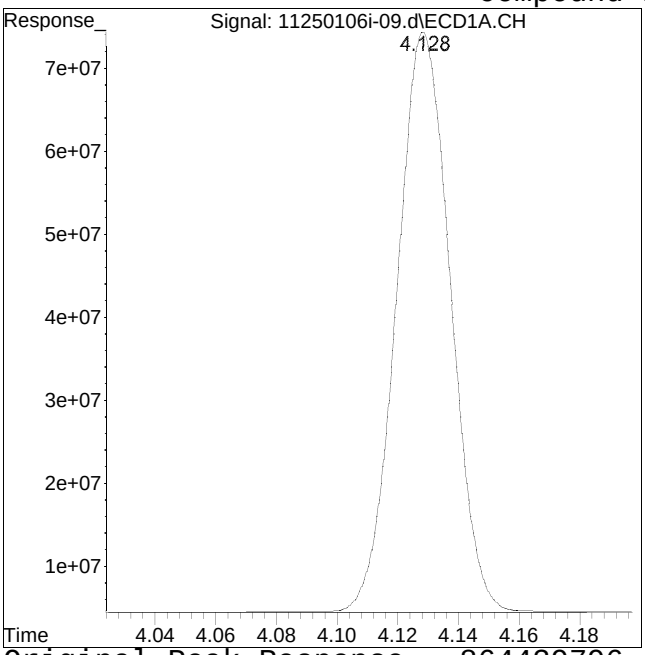


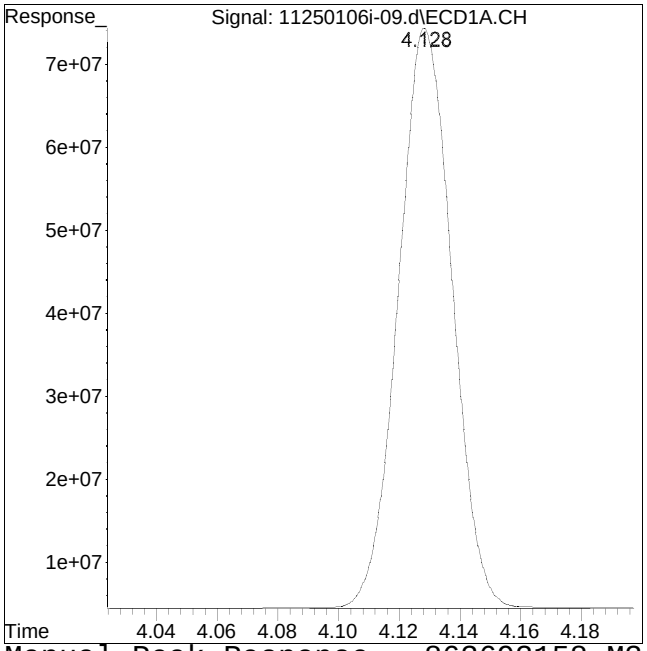
Original Peak Response = 394079153 Manual Peak Response = 388527800 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-09.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:58 Instrument : Pest 11
Sample : il8pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 11:33 am

Compound #17: Dieldrin



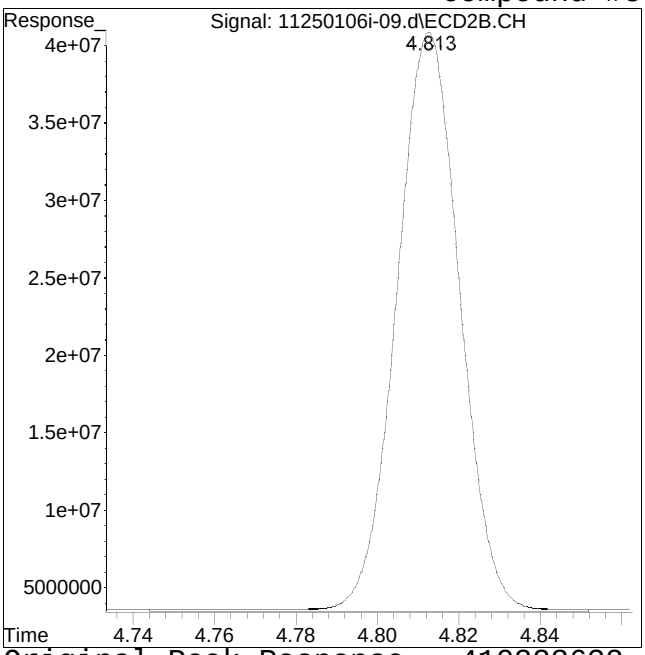


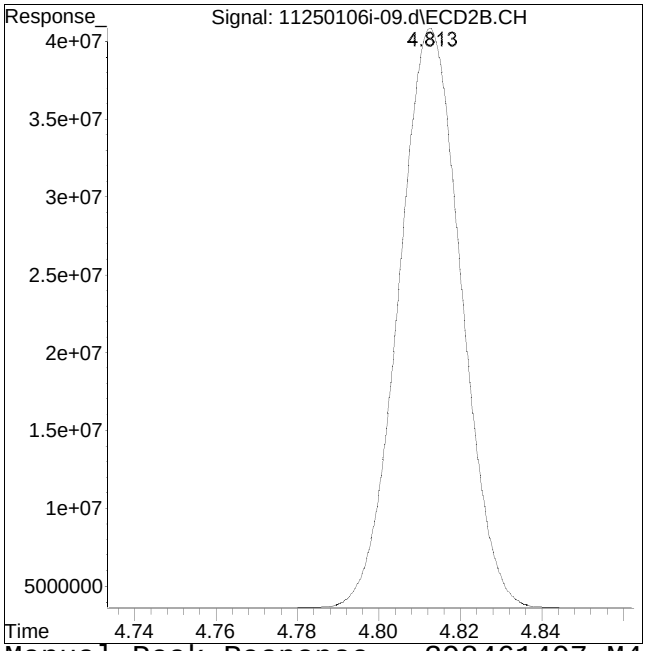
Original Peak Response = 864439796 Manual Peak Response = 863693158 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-09.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:58 Instrument : Pest 11
Sample : il8pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 11:33 am

Compound #55: Dieldrin #2



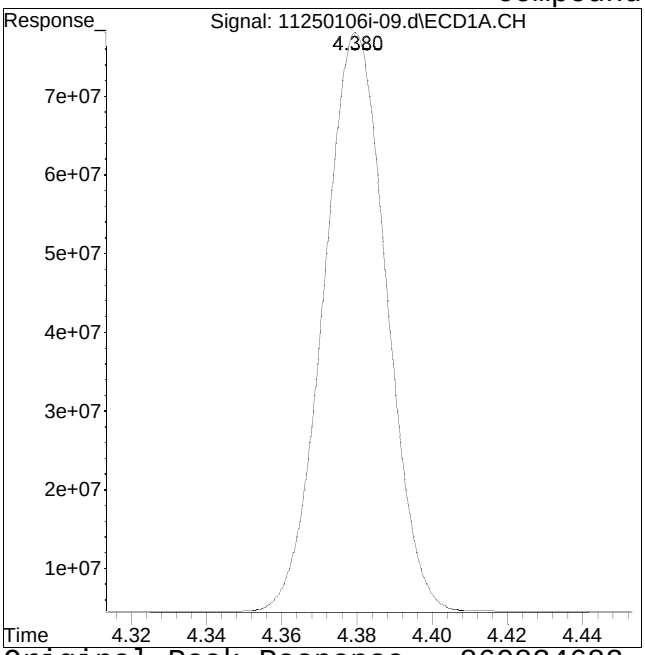


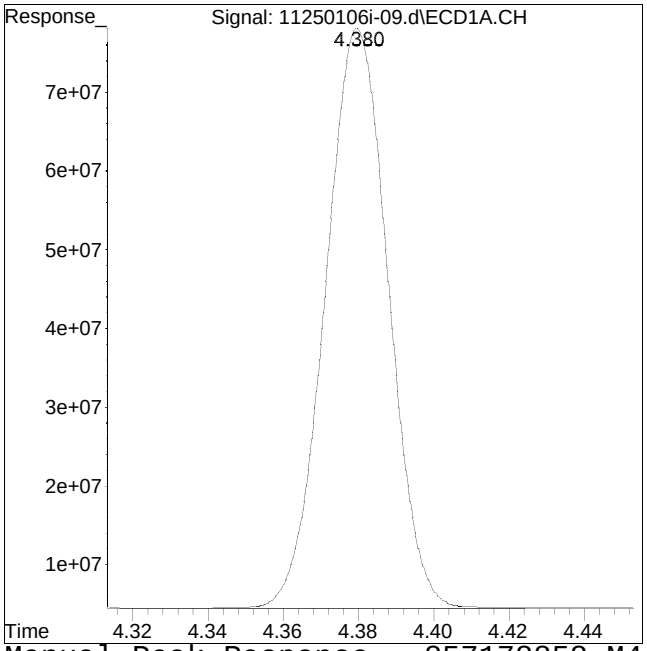
Original Peak Response = 410323632 Manual Peak Response = 398461407 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-09.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:58 Instrument : Pest 11
Sample : il8pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 11:33 am

Compound #18: Endrin



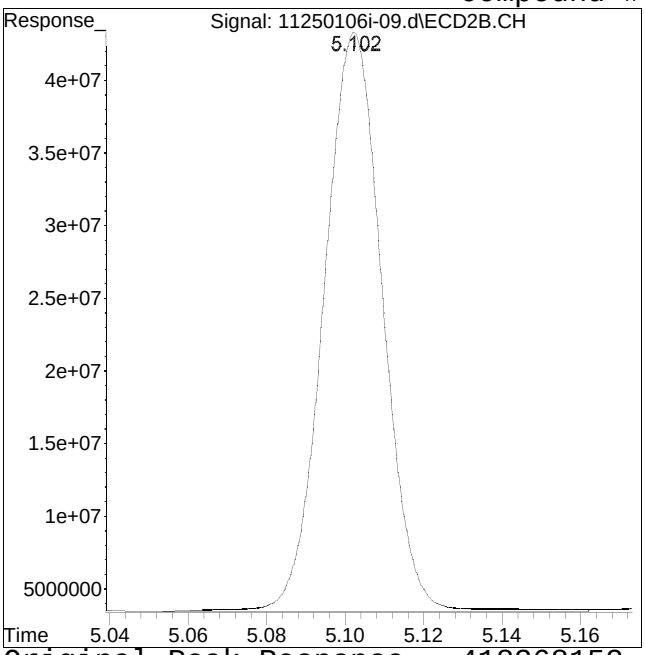


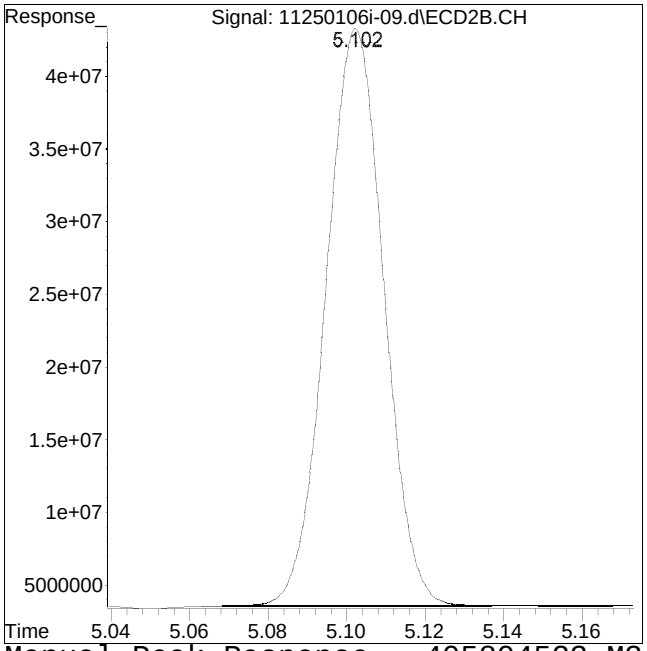
Original Peak Response = 860834682 Manual Peak Response = 857178858 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-09.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:58 Instrument : Pest 11
Sample : il8pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 11:33 am

Compound #56: Endrin #2





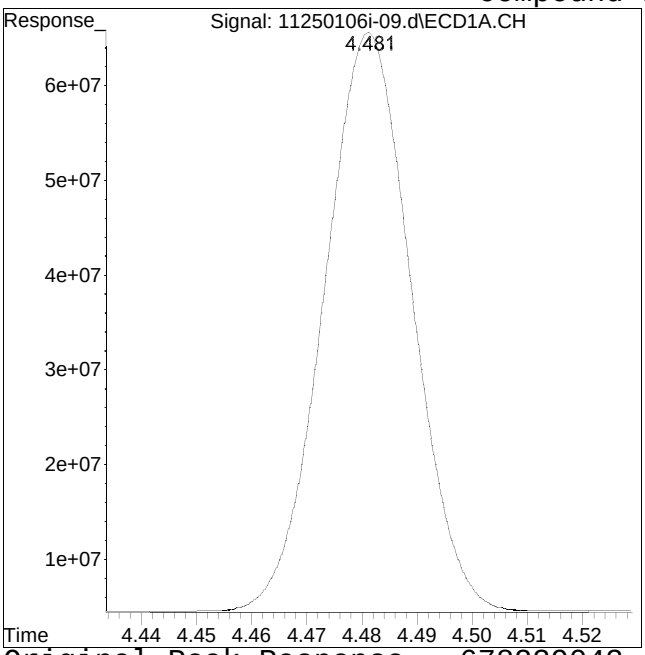
Original Peak Response = 418368152 Manual Peak Response = 405804523 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

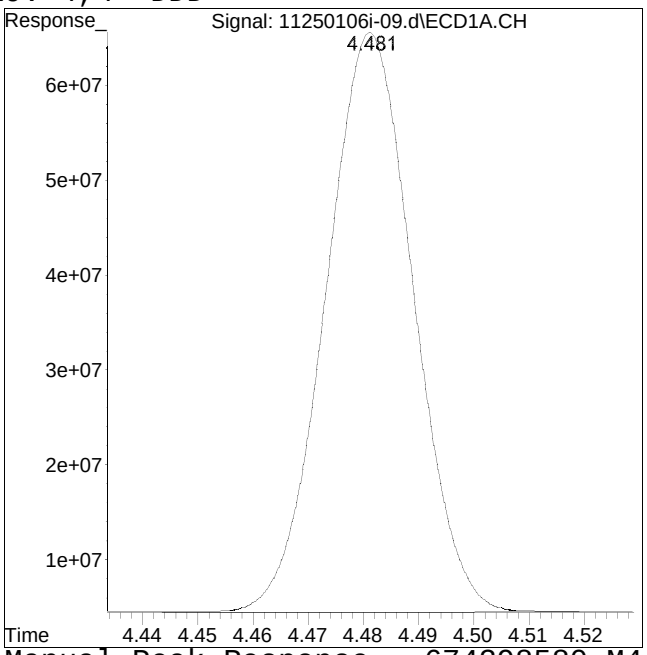
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-09.d
Date Inj'd : 1/6/2025 13:58
Sample : il8pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:33 am

Compound #19: 4,4'-DDD



Original Peak Response = 678239043



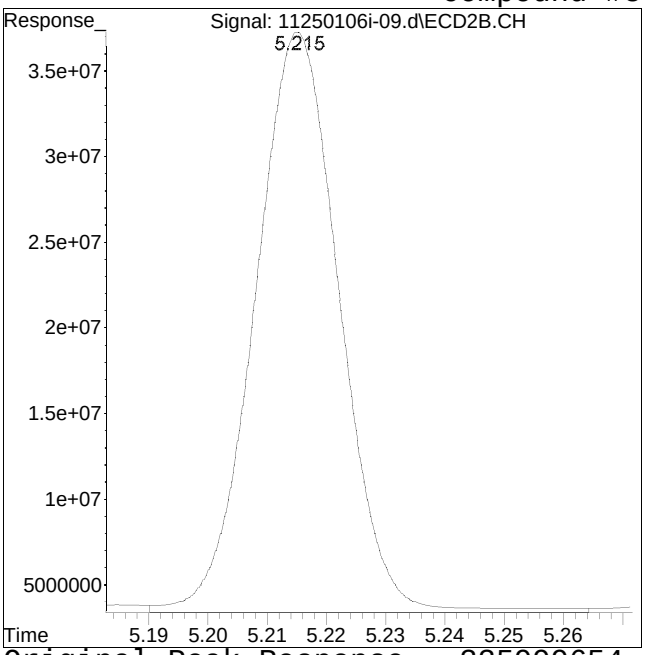
Manual Peak Response = 674398580 M4

M4 = Poor automated baseline construction.

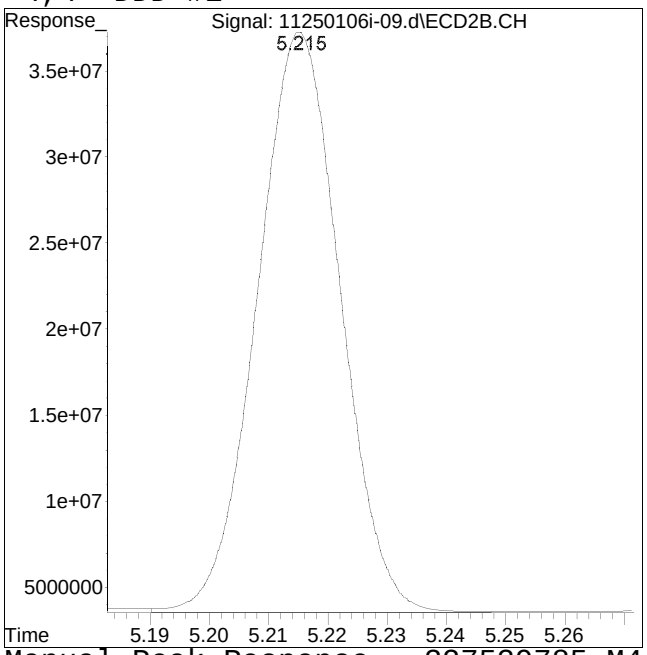
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-09.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:58 Instrument : Pest 11
Sample : il8pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 11:33 am

Compound #57: 4,4'-DDD #2



Original Peak Response = 335999654

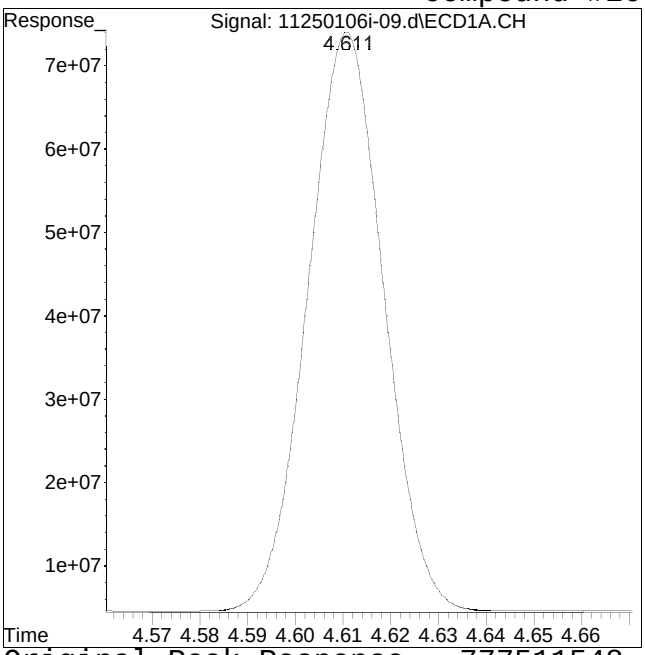


Manual Peak Response = 327539785 M4
M4 = Poor automated baseline construction.

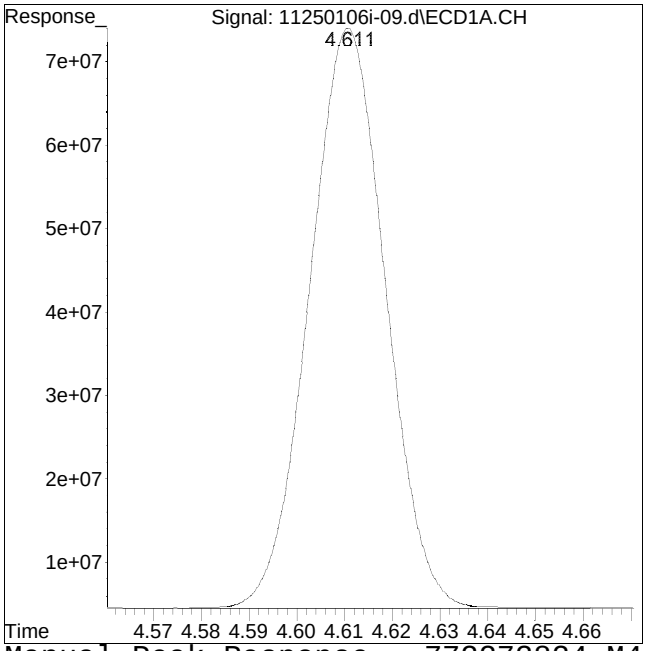
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-09.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:58 Instrument : Pest 11
Sample : il8pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 11:33 am

Compound #20: Endosulfan II



Original Peak Response = 777511548



Manual Peak Response = 772273824 M4

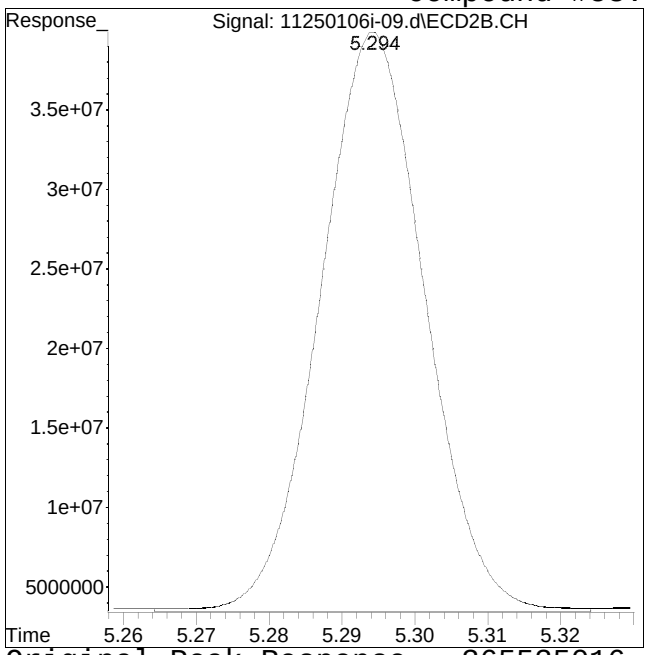
M4 = Poor automated baseline construction.

Manual Integration Report

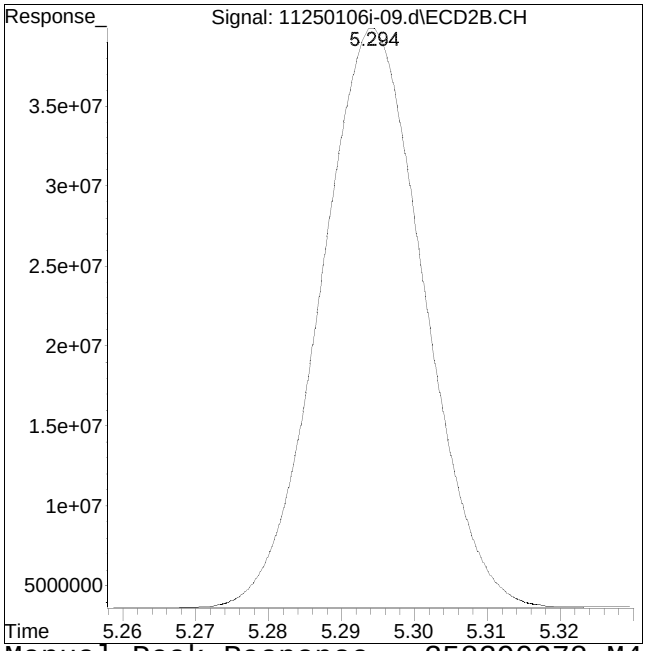
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-09.d
Date Inj'd : 1/6/2025 13:58
Sample : il8pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:33 am

Compound #58: Endosulfan II #2



Original Peak Response = 365535016



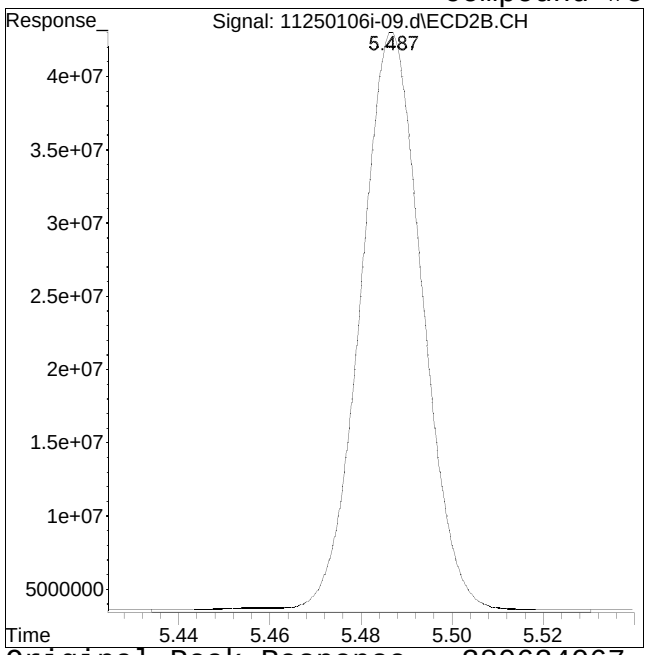
Manual Peak Response = 358390278 M4

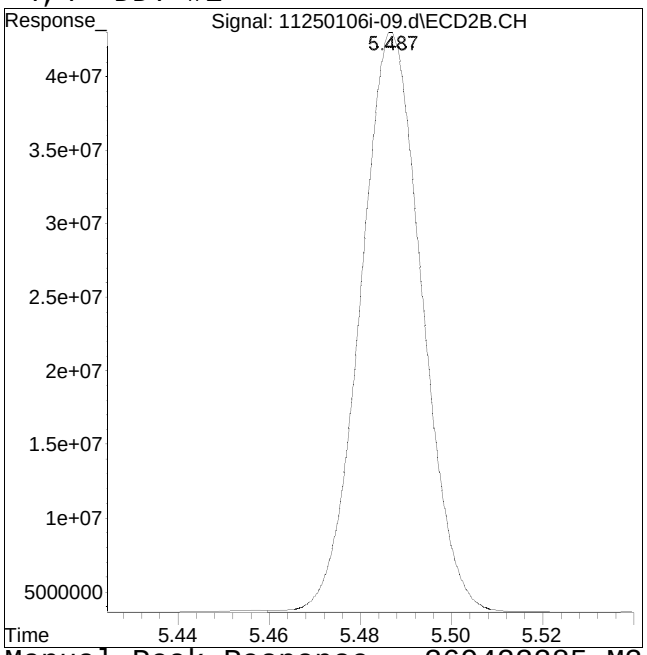
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-09.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:58 Instrument : Pest 11
Sample : il8pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 11:33 am

Compound #59: 4,4'-DDT #2



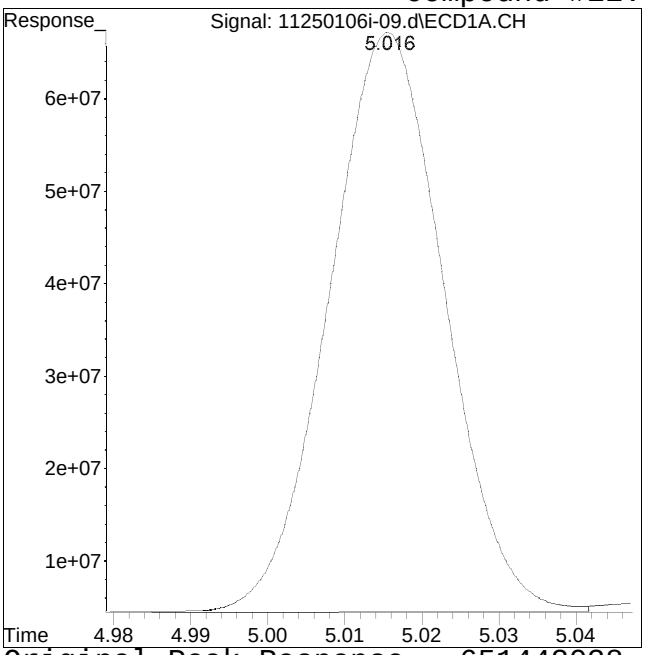


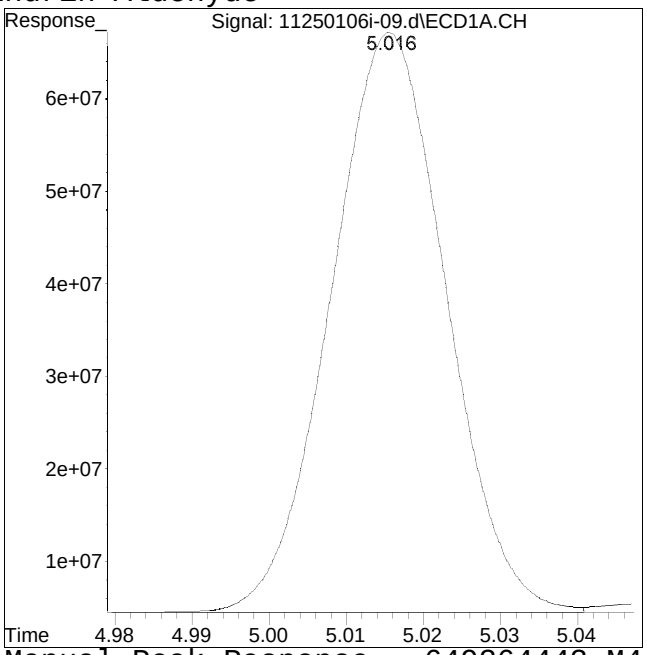
Original Peak Response = 380634067 Manual Peak Response = 369423385 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-09.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:58 Instrument : Pest 11
Sample : il8pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 11:33 am

Compound #22: Endrin Aldehyde



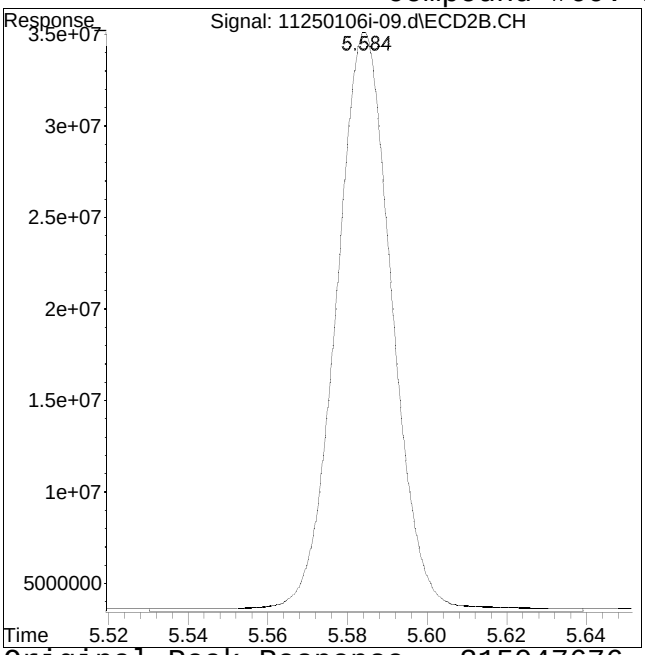


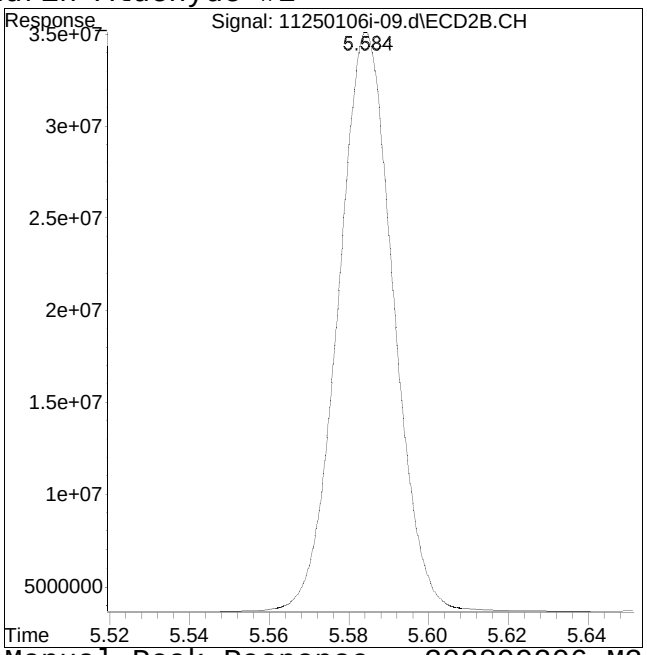
Original Peak Response = 651442038 Manual Peak Response = 649364443 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-09.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:58 Instrument : Pest 11
Sample : il8pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 11:33 am

Compound #60: Endrin Aldehyde #2



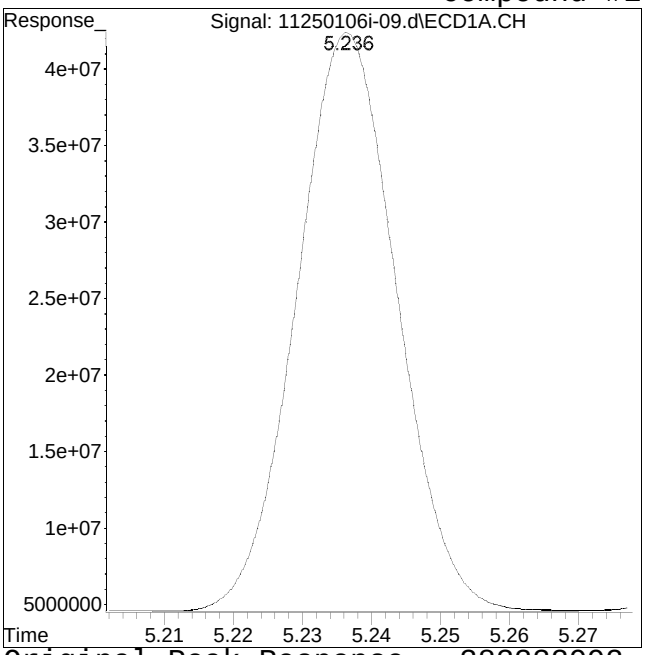


Original Peak Response = 315047676 Manual Peak Response = 303899206 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

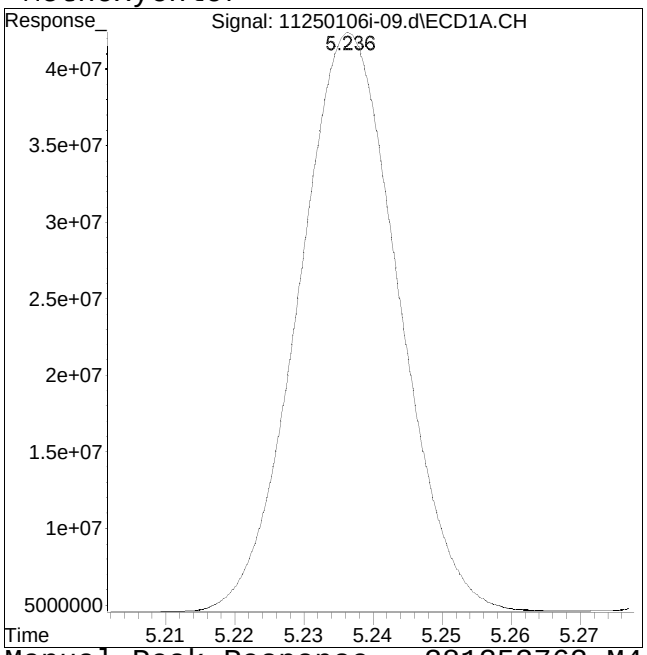
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-09.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:58 Instrument : Pest 11
Sample : il8pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 11:33 am

Compound #23: Methoxychlor



Original Peak Response = 383332992



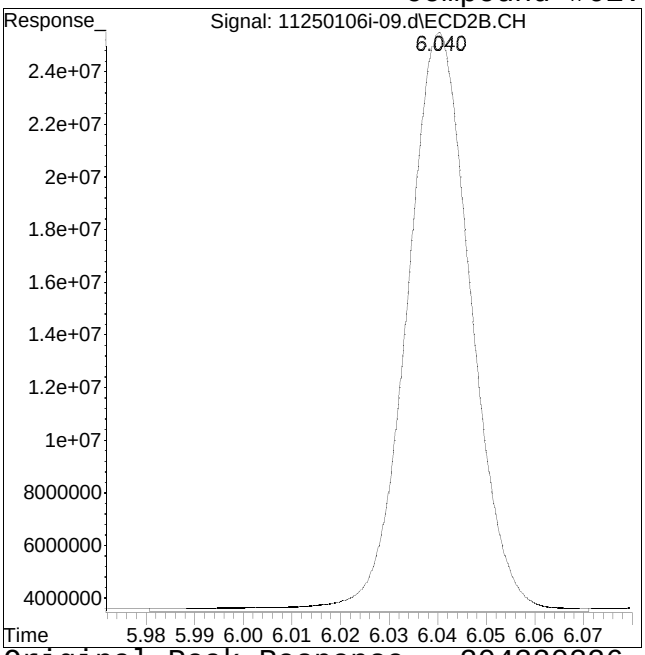
Manual Peak Response = 381353762 M4

M4 = Poor automated baseline construction.

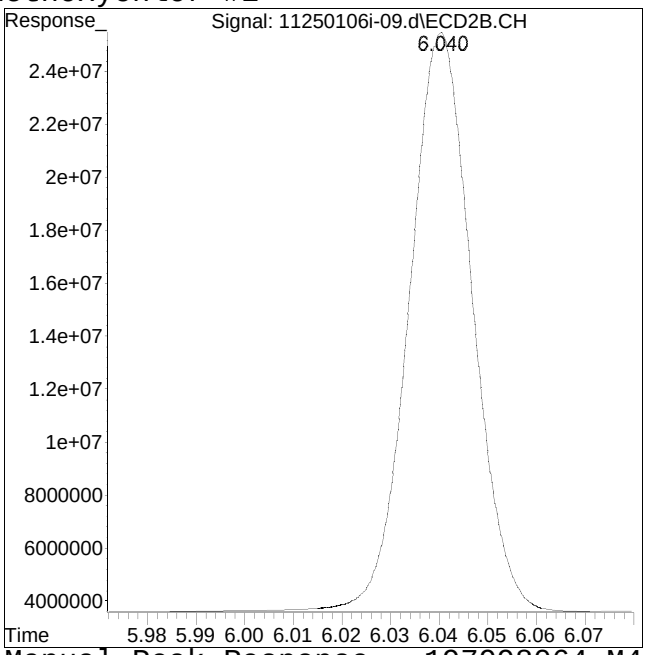
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-09.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:58 Instrument : Pest 11
Sample : il8pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 11:33 am

Compound #61: Methoxychlor #2



Original Peak Response = 204320326



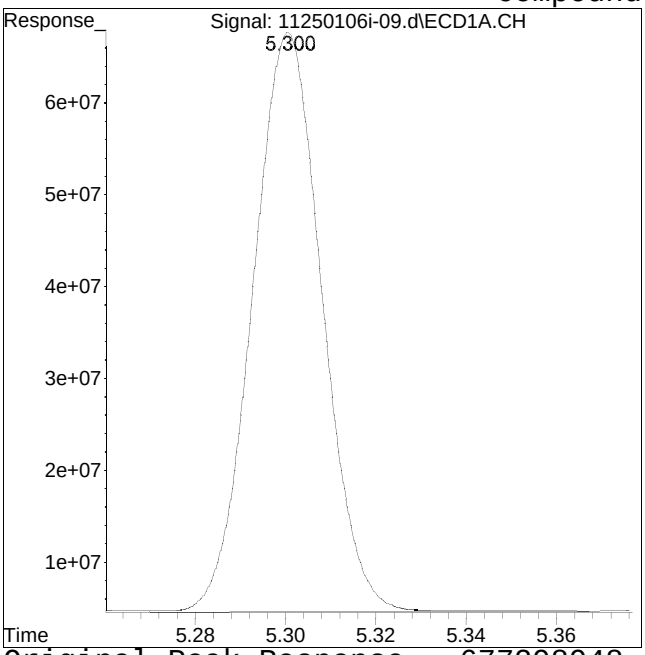
Manual Peak Response = 197998064 M4

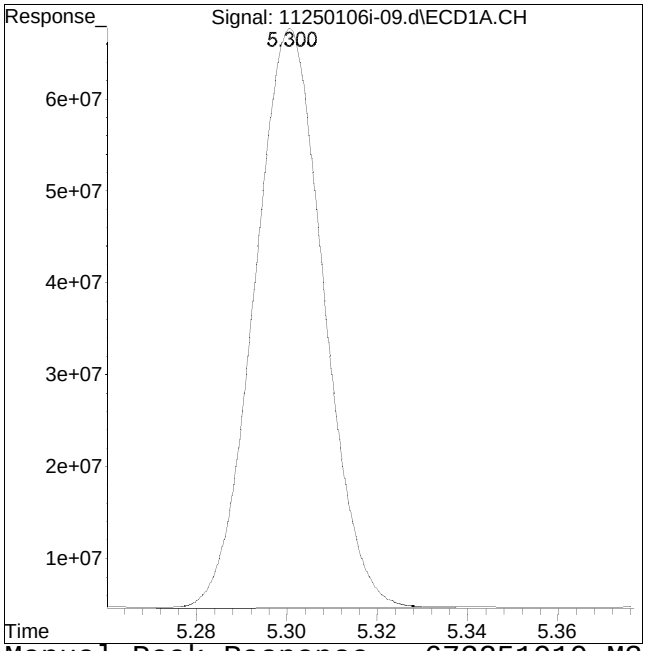
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-09.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:58 Instrument : Pest 11
Sample : il8pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 11:33 am

Compound #24: Mirex



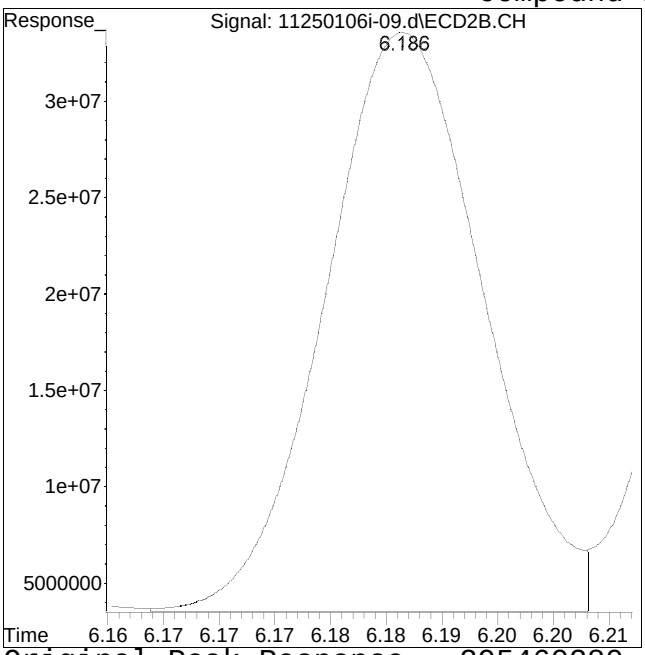


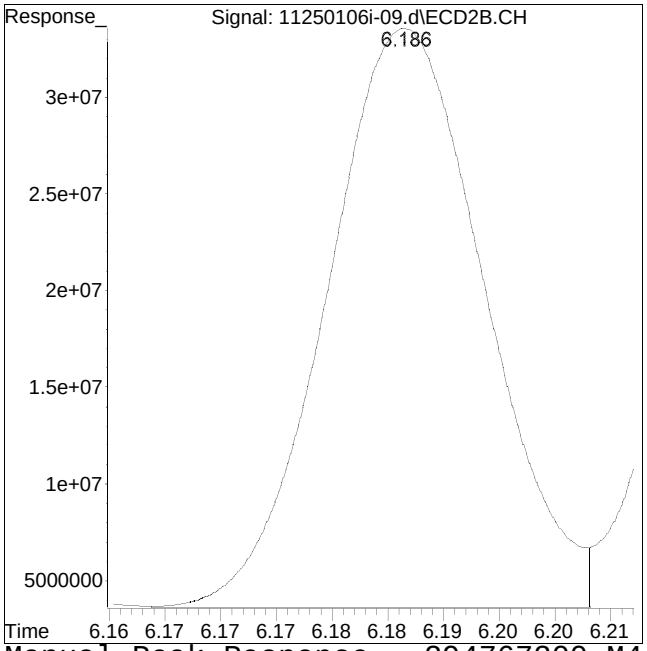
Original Peak Response = 677298948 Manual Peak Response = 673251910 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-09.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:58 Instrument : Pest 11
Sample : il8pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 11:33 am

Compound #62: Mirex #2



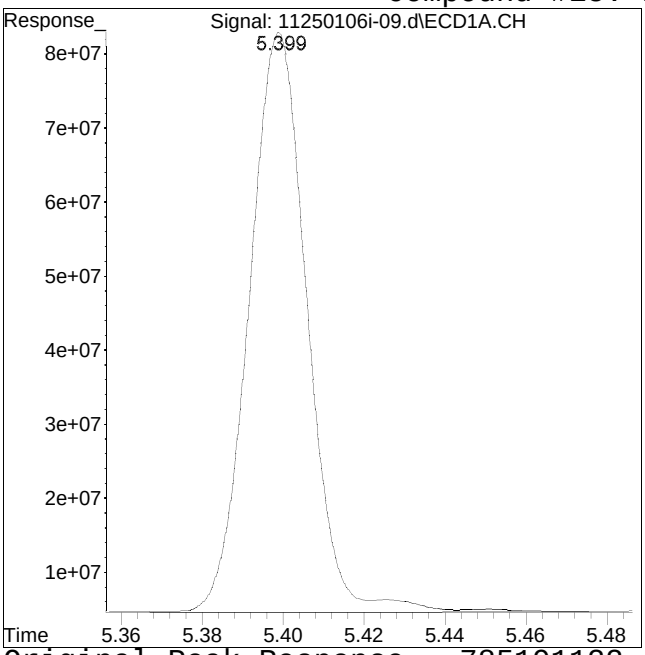


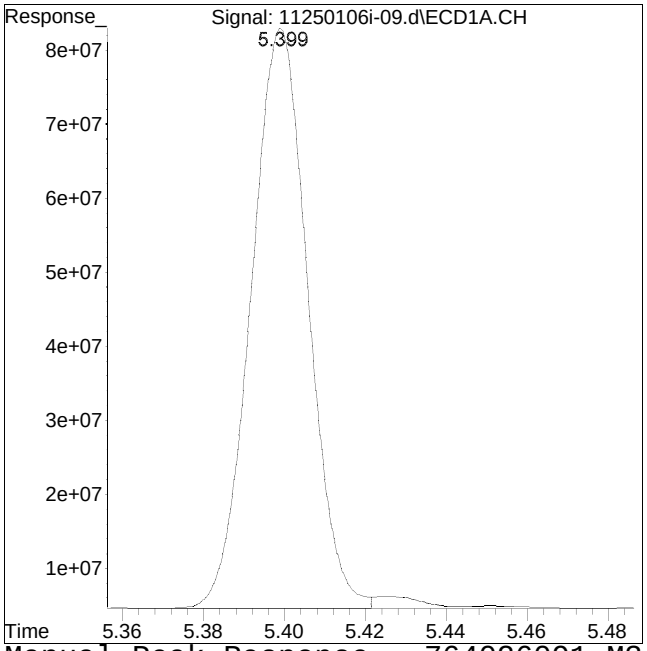
Original Peak Response = 295460280 Manual Peak Response = 294767200 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-09.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:58 Instrument : Pest 11
Sample : il8pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 11:33 am

Compound #25: Endosulfan Sulfate



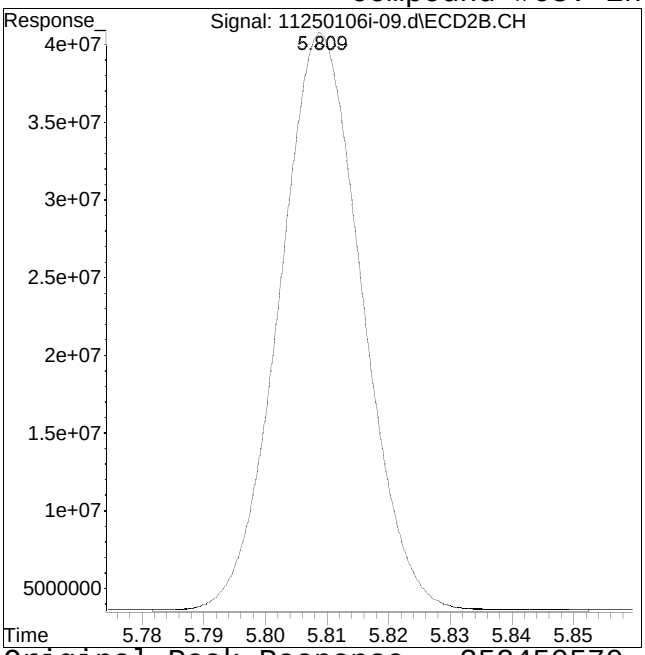


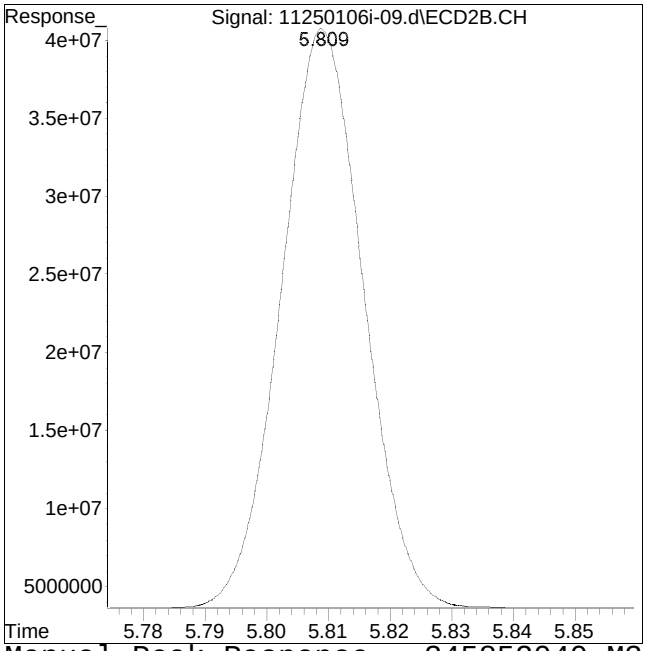
Original Peak Response = 785191122 Manual Peak Response = 764026091 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-09.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:58 Instrument : Pest 11
Sample : il8pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 11:33 am

Compound #63: Endosulfan Sulfate #2



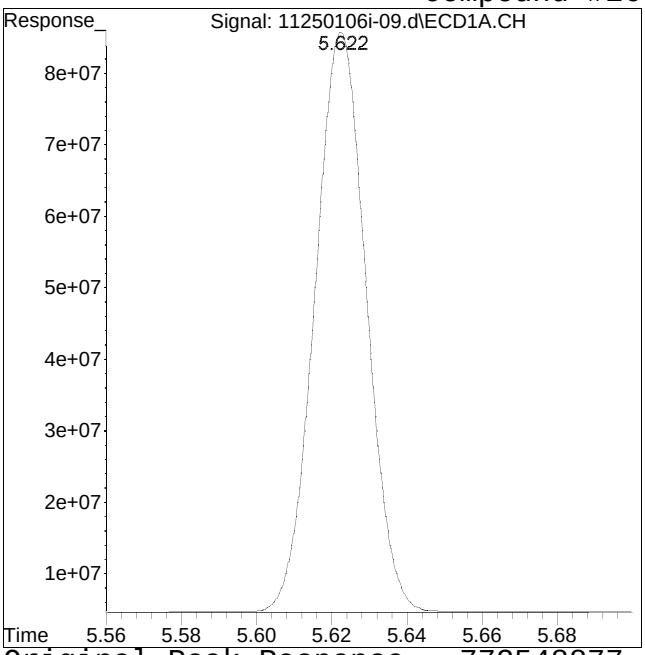


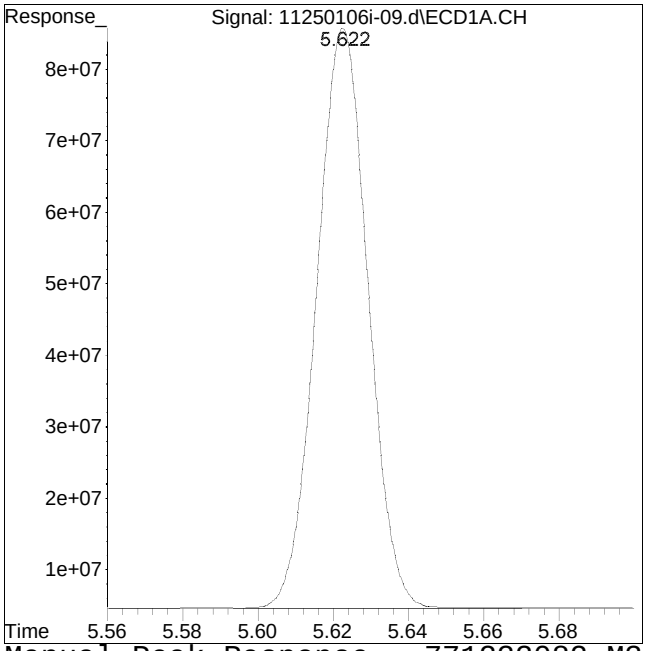
Original Peak Response = 352450570 Manual Peak Response = 345852040 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-09.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:58 Instrument : Pest 11
Sample : il8pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 11:33 am

Compound #26: Endrin Ketone





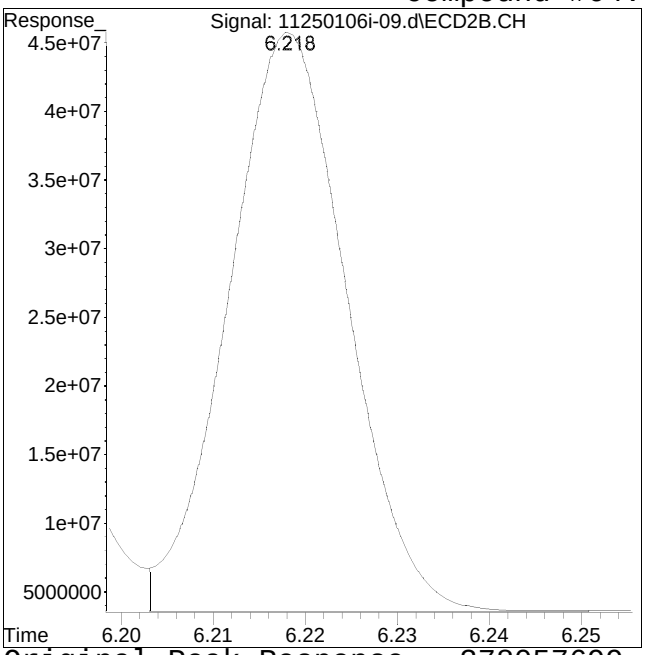
Original Peak Response = 772548877 Manual Peak Response = 771233082 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

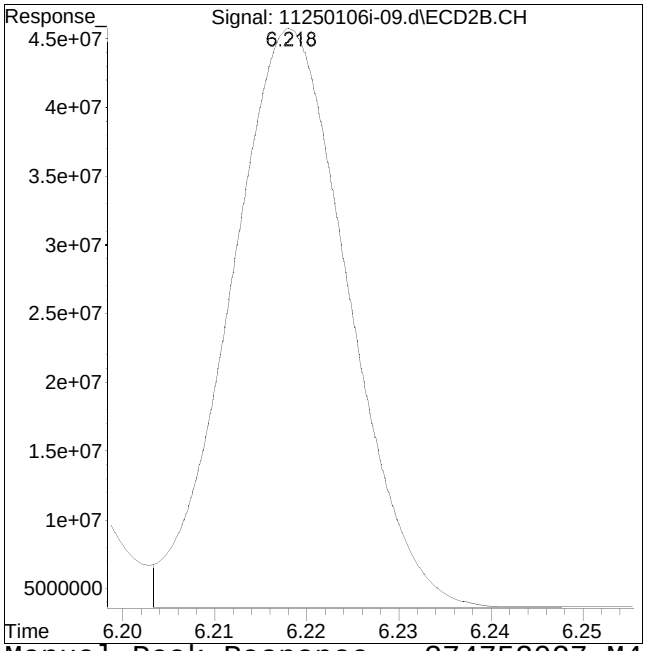
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-09.d
Date Inj'd : 1/6/2025 13:58
Sample : il8pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:33 am

Compound #64: Endrin Ketone #2



Original Peak Response = 378057699



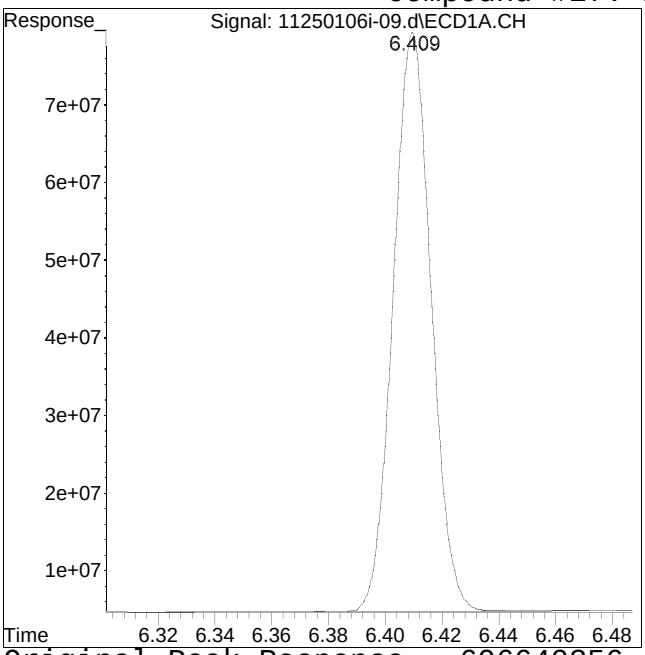
Manual Peak Response = 374752027 M4

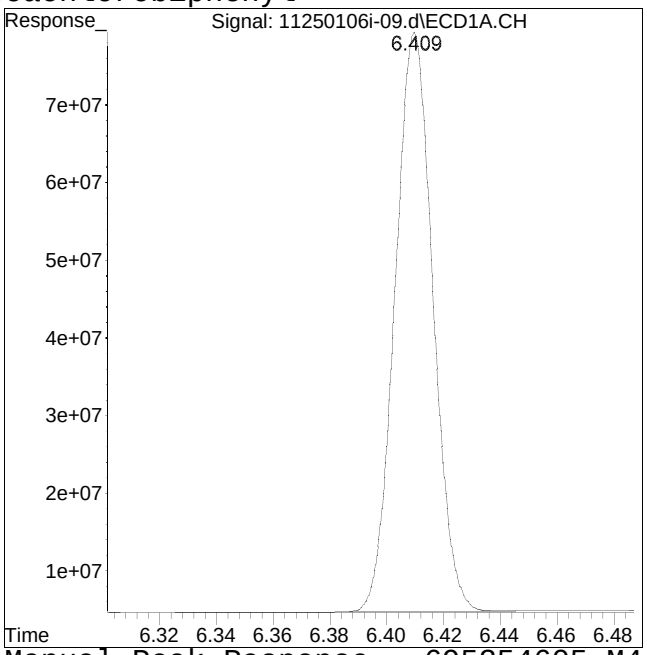
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-09.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 13:58 Instrument : Pest 11
Sample : il8pest,42e,,pp 11941 L0.0Quant Date : 1/7/2025 11:33 am

Compound #27: Decachlorobiphenyl





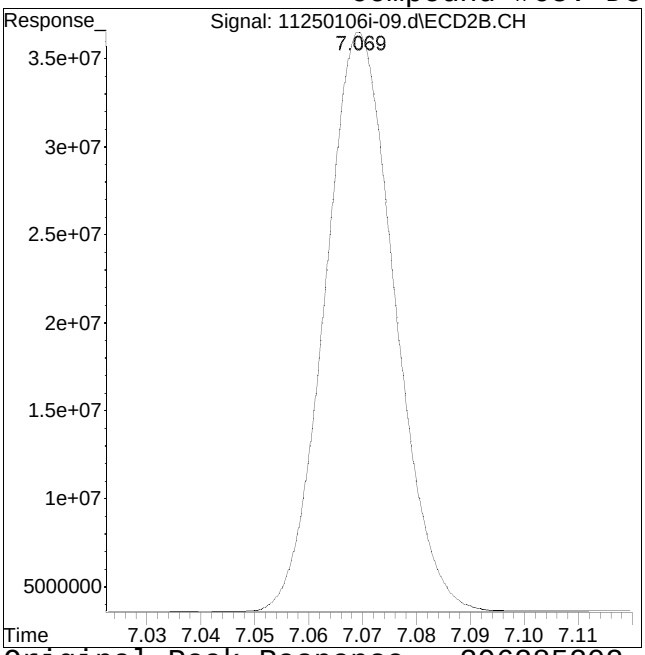
Original Peak Response = 696640356 Manual Peak Response = 695354605 M4
M4 = Poor automated baseline construction.

Manual Integration Report

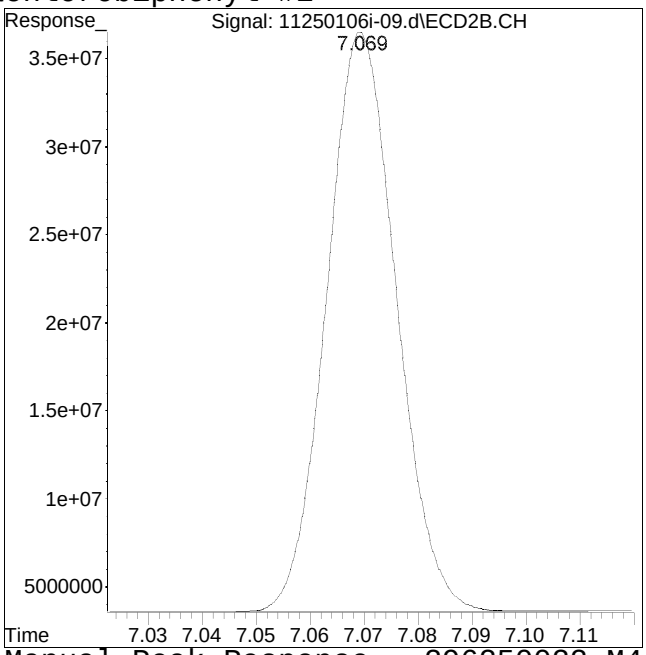
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-09.d
Date Inj'd : 1/6/2025 13:58
Sample : il8pest,42e,,pp 11941 L0.0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:33 am

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 296285202



Manual Peak Response = 296250022 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 14:10
Operator : PEST11:akm
Sample : il9pest,42e,,pp 11941 L0.1
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 11:41:12 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 11:41:03 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
		Internal Standards						
1)	i	1-br-2-nb_Pe	1.374	1.456	319.1E6	177.4E6	25.000M4	25.000M4
28)	i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33)	i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
		System Monitoring Compounds						
2)	s	2,4,5,6-Tetr	1.732	1.959	1597.9E6	719.0E6	102.769M3	102.695M4
		Spiked Amount 50.000	Range 30 - 150		Recovery =		205.54%#	205.39%#
27)	s	Decachlorobi	6.410	7.070	1398.2E6	588.5E6	101.706M4	101.255
		Spiked Amount 50.000	Range 30 - 150		Recovery =		203.41%#	202.51%#
		Target Compounds						
3)	t	Hexachlorobe	1.956	2.299	1699.6E6	767.4E6	102.662M3	102.048
4)	t	alpha-BHC	2.059	2.400	2402.9E6	1095.4E6	106.671M3	105.894M4
5)	t	gamma-BHC (l	2.271	2.701	2125.0E6	992.4E6	106.356M3	105.352
6)	t	beta-BHC	2.329	2.767	871.0E6	409.1E6	103.654M3	100.656M4
7)	t	delta-BHC	2.464	3.049	2190.2E6	1018.3E6	107.051M4	106.082
8)	t	Heptachlor	2.634	3.120	1905.1E6	971.5E6	103.827M4	103.932
9)	t	Aldrin	2.887	3.455	1999.9E6	907.0E6	105.928M4	105.724
10)	t	Alachlor	3.010	3.329	247.1E6	124.5E6	97.279M3	95.250
11)	t	Chlorpyrifos	3.105	3.697	879.4E6	446.9E6	99.016M4	97.200M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 14:10
Operator : PEST11:akm
Sample : il9pest,42e,,pp 11941 L0.1
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 11:41:12 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 11:41:03 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.453	4.094	1785.6E6	849.3E6	104.410M3	102.536
13)	t	gamma-Chlord	3.580	4.314	1691.8E6	771.0E6	106.403M3	105.113
14)	t	alpha-Chlord	3.719	4.475	1929.9E6	855.8E6	105.828M3	104.427
15)	t	4,4'-DDE	3.817	4.659	1942.2E6	862.0E6	107.506M4	106.806M3
16)	t	Endosulfan I	3.861	4.534	1722.7E6	789.6E6	104.873M4	103.587
17)	t	Dieldrin	4.128	4.813	1820.3E6	825.6E6	106.603M4	105.606M4
18)	t	Endrin	4.379	5.102	1786.6E6	837.6E6	105.419M4	105.198M3
19)	t	4,4'-DDD	4.481	5.215	1435.3E6	684.7E6	107.644M4	106.553M3
20)	t	Endosulfan I	4.610	5.294	1595.0E6	731.4E6	104.462M4	104.008M4
21)	t	4,4'-DDT	4.764	5.487	1527.9E6	771.5E6	111.370M4	106.440M3
22)	t	Endrin Aldeh	5.015	5.584	1345.0E6	618.4E6	104.761M4	103.713M4
23)	t	Methoxychlor	5.236	6.041	755.9E6	392.9E6	100.254M4	101.138M4
24)	t	Mirex	5.300	6.187	1360.6E6	576.2E6	102.217M3	99.637M4
25)	t	Endosulfan S	5.398	5.809	1584.3E6	704.4E6	104.882M3	103.809M3
26)	t	Endrin Keton	5.622	6.218	1567.5E6	765.0E6	102.800M4	104.038M4
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 14:10
Operator : PEST11:akm
Sample : il9pest,42e,,pp 11941 L0.1
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 11:41:12 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 11:41:03 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

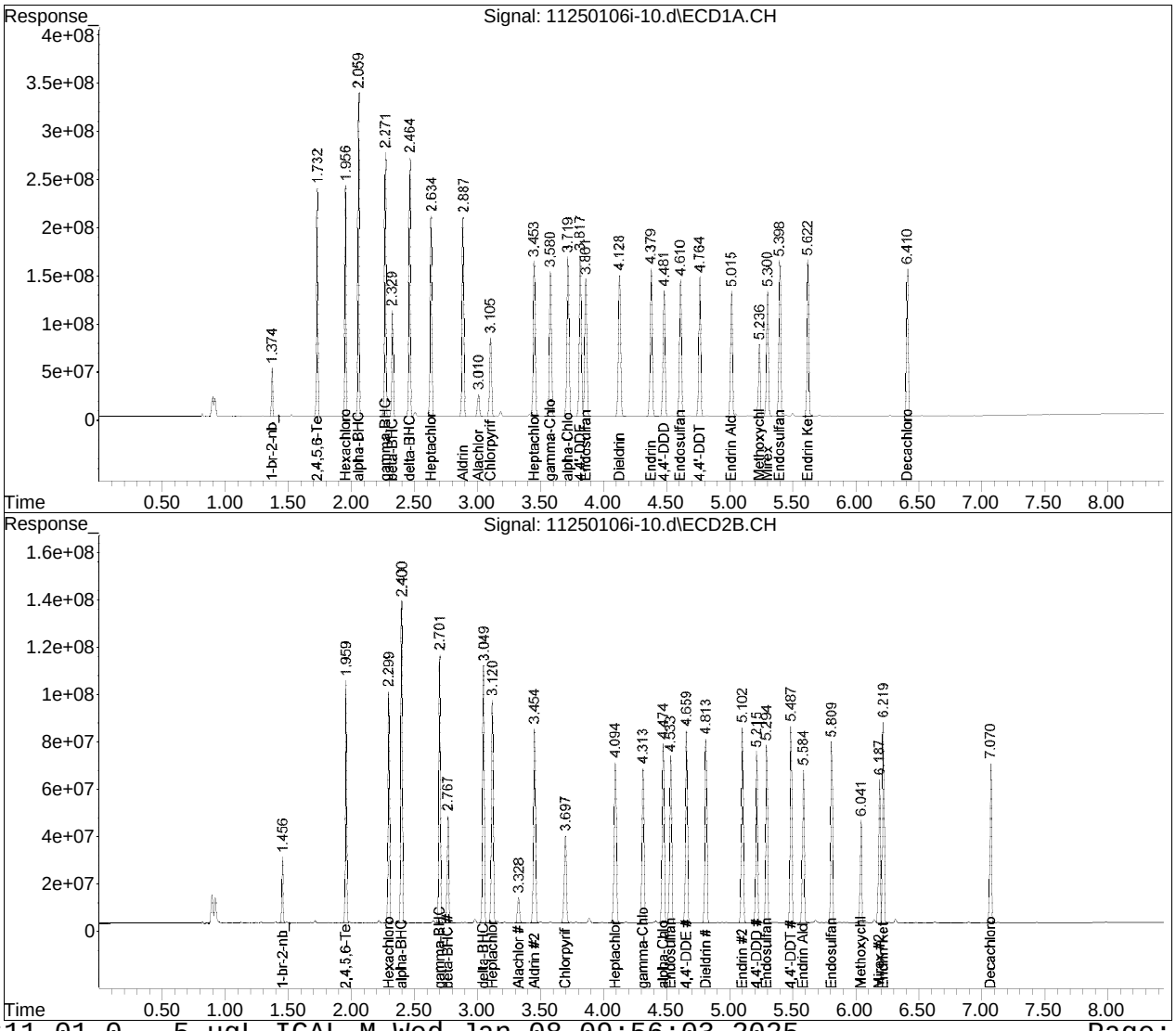
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 14:10
Operator : PEST11:akm
Sample : il9pest,42e,,pp 11941 L0.1
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 11:41:12 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 11:41:03 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

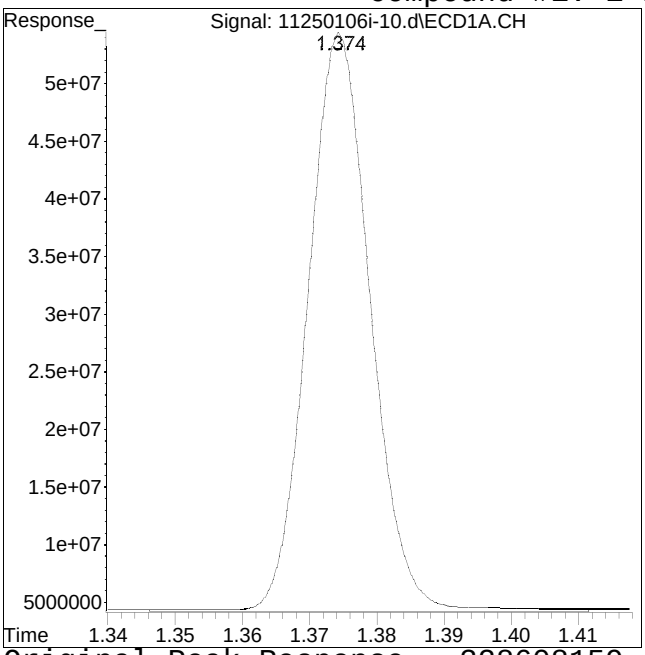


Manual Integration Report

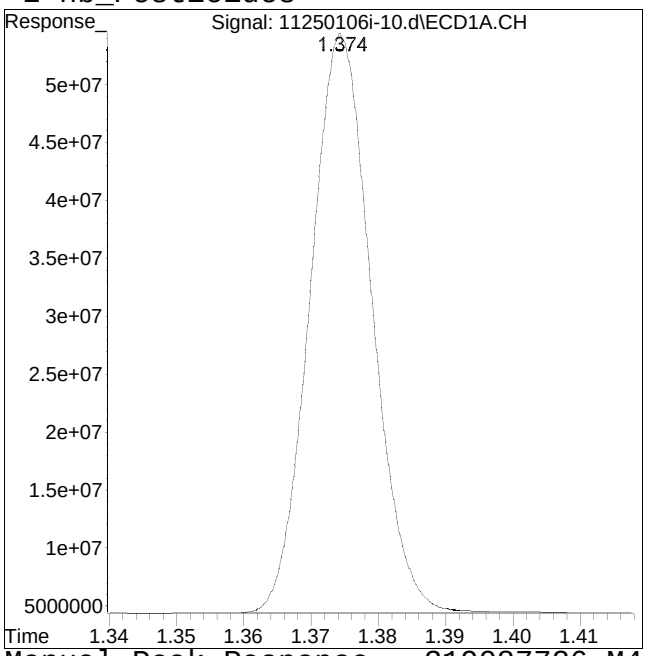
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-10.d
Date Inj'd : 1/6/2025 14:10
Sample : il9pest,42e,,pp 11941 L0.1

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:41 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 328608159



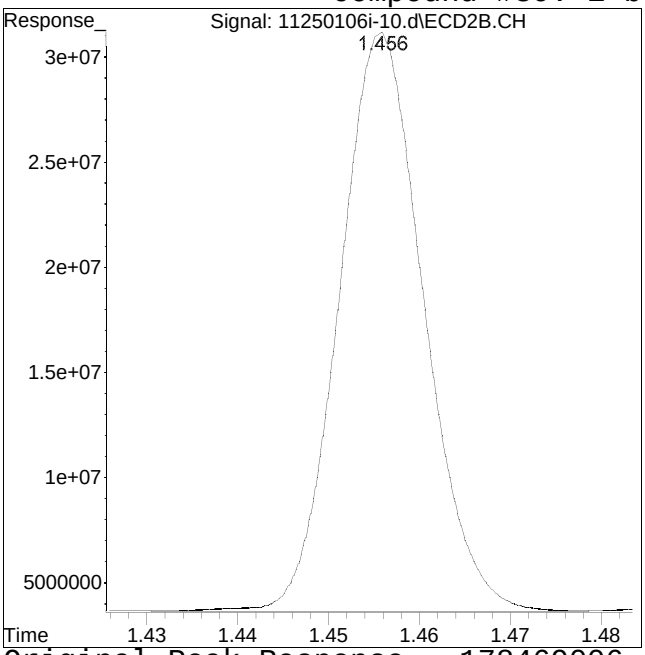
Manual Peak Response = 319087726 M4

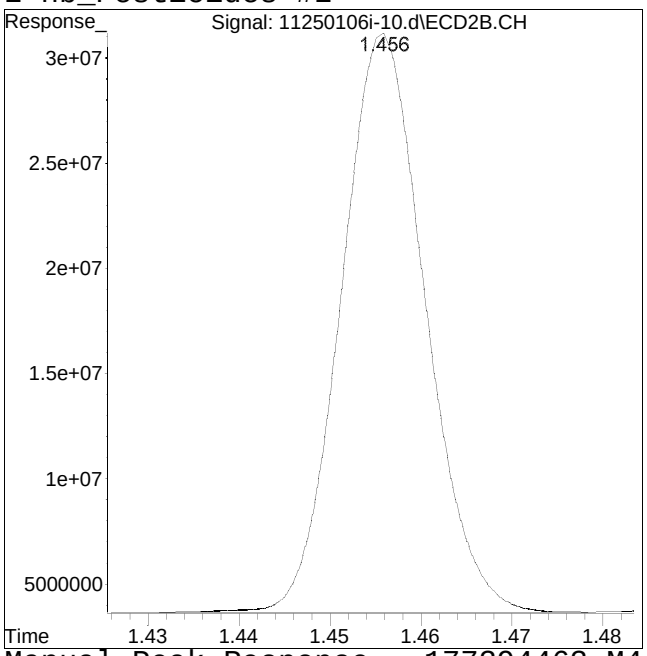
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-10.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:10 Instrument : Pest 11
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/7/2025 11:41 am

Compound #39: 1-br-2-nb_Pesticides #2



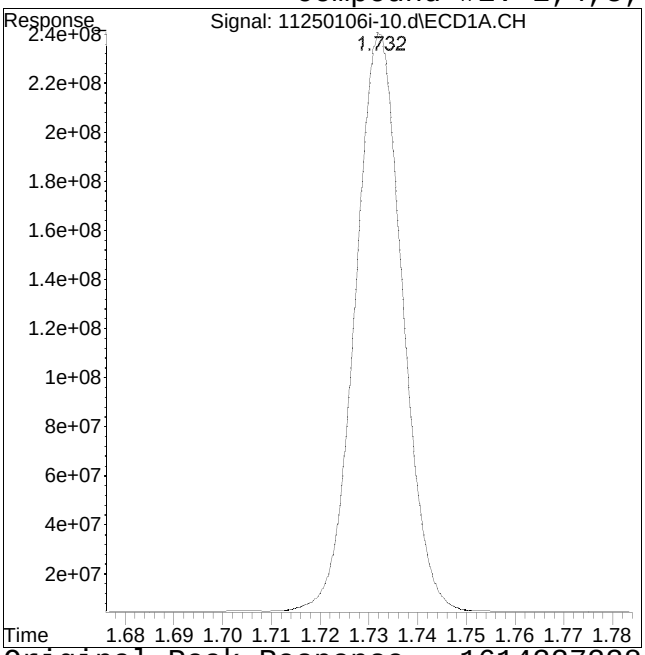


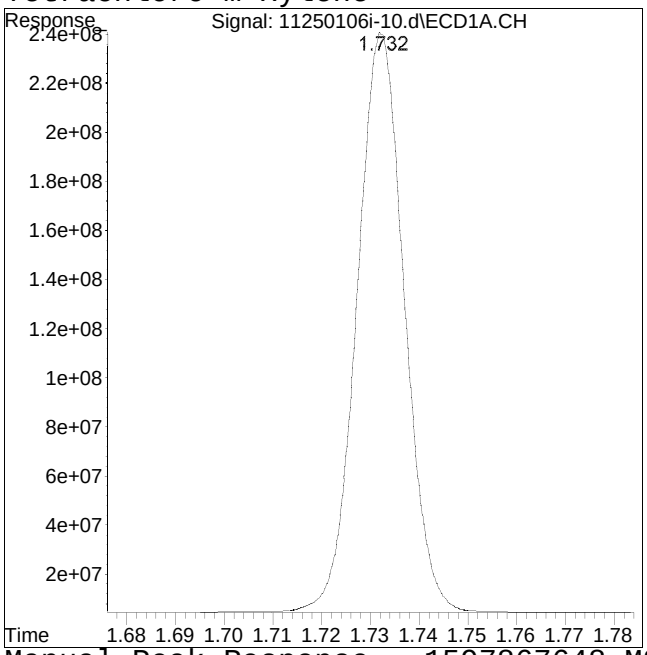
Original Peak Response = 178469006 Manual Peak Response = 177394463 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-10.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:10 Instrument : Pest 11
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/7/2025 11:41 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



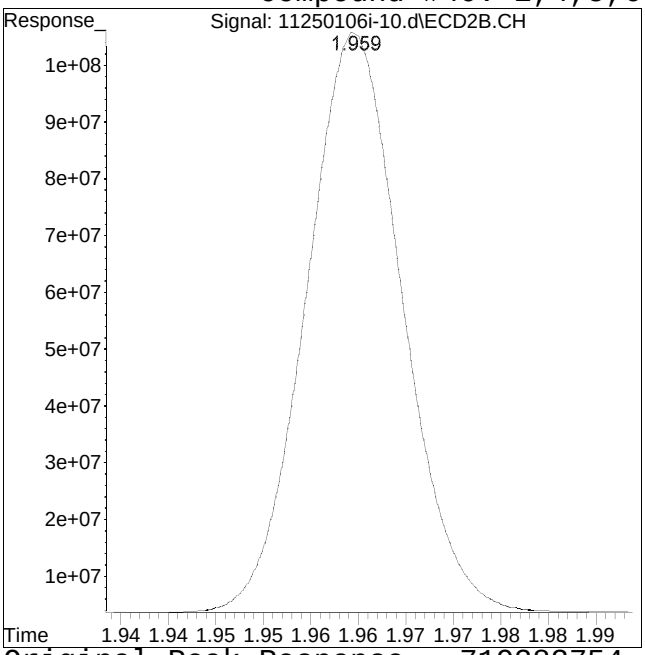


Original Peak Response = 1614327238 Manual Peak Response = 1597867648 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

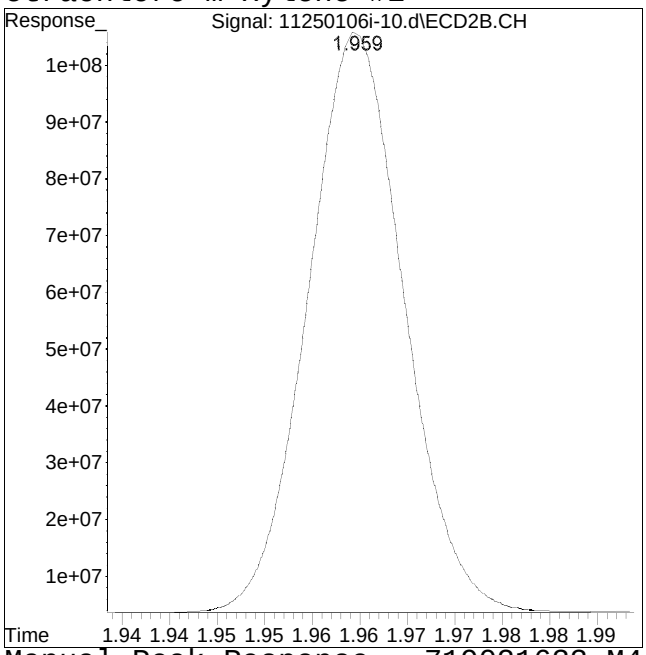
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-10.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:10 Instrument : Pest 11
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/7/2025 11:41 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 719383754



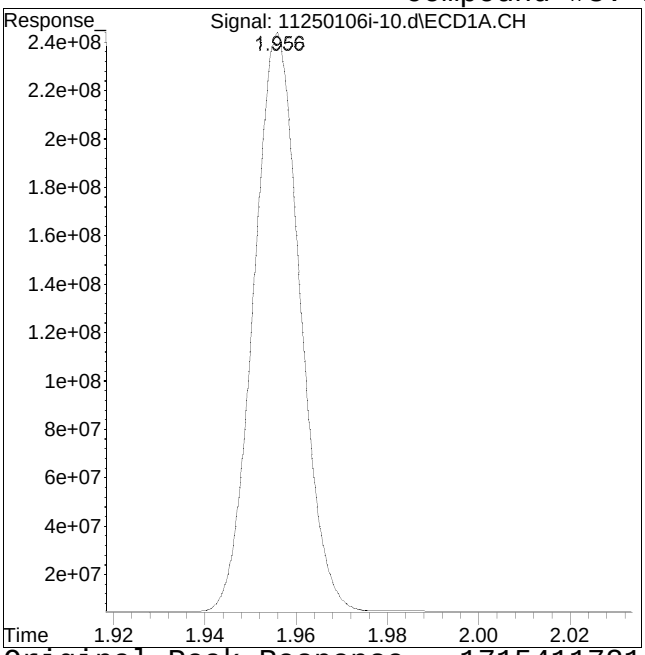
Manual Peak Response = 719021633 M4

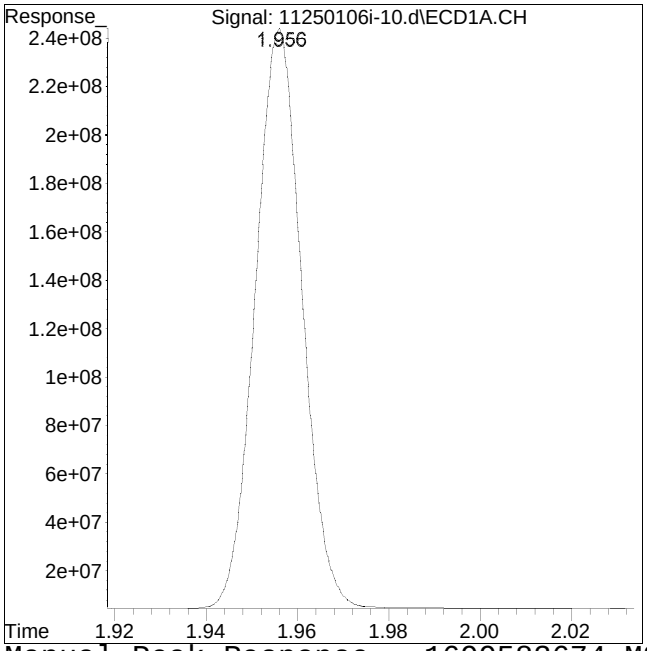
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-10.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:10 Instrument : Pest 11
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/7/2025 11:41 am

Compound #3: Hexachlorobenzene



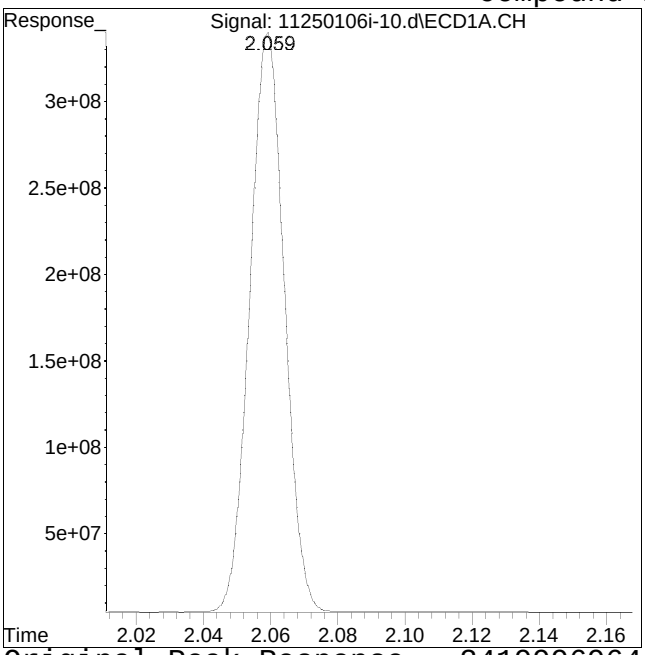


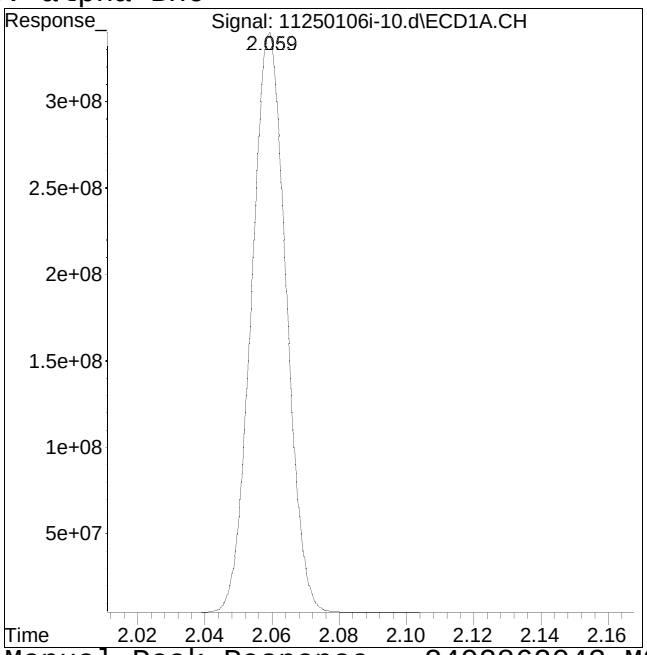
Original Peak Response = 1715411721 Manual Peak Response = 1699583674 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-10.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:10 Instrument : Pest 11
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/7/2025 11:41 am

Compound #4: alpha-BHC



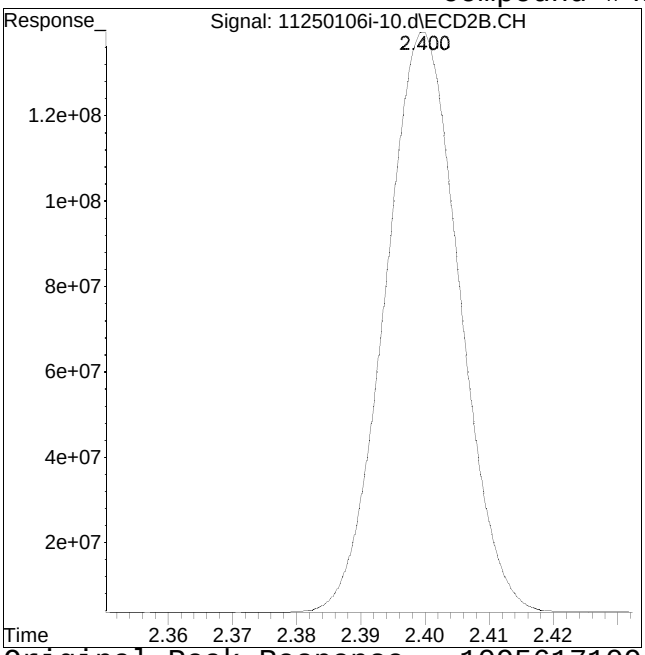


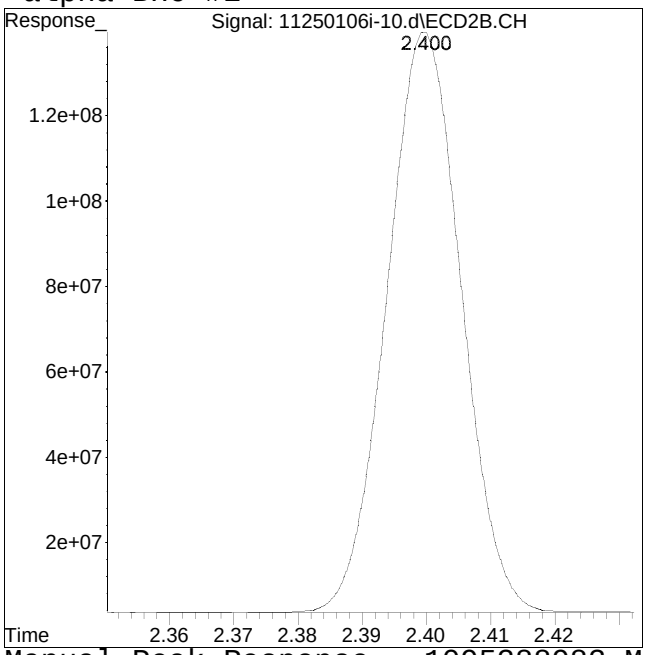
Original Peak Response = 2419996964 Manual Peak Response = 2402862043 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-10.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:10 Instrument : Pest 11
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/7/2025 11:41 am

Compound #42: alpha-BHC #2



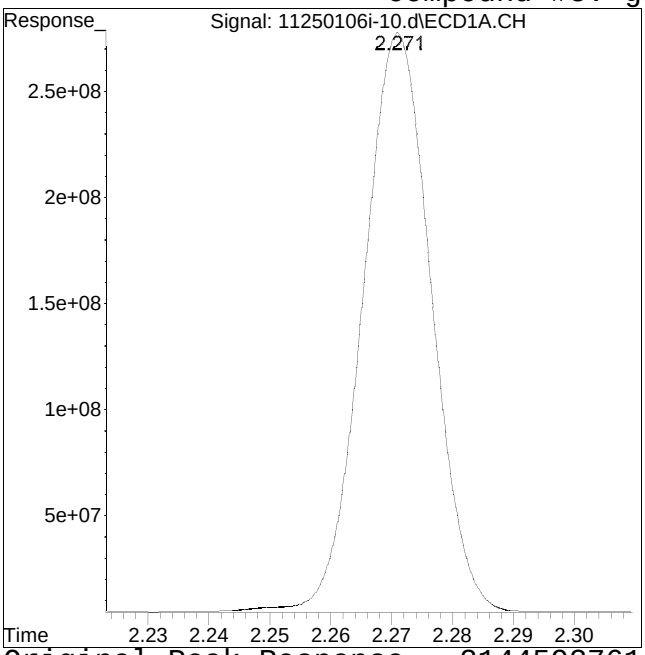


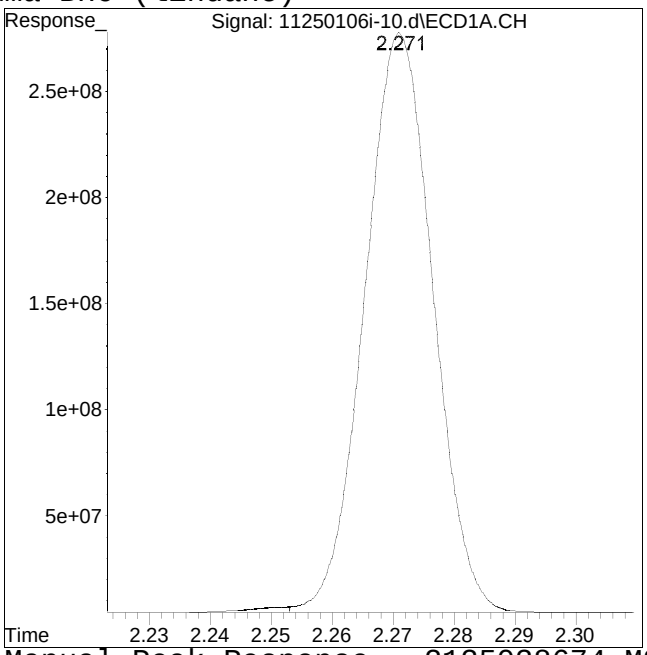
Original Peak Response = 1095617109 Manual Peak Response = 1095388983 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-10.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:10 Instrument : Pest 11
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/7/2025 11:41 am

Compound #5: gamma-BHC (lindane)



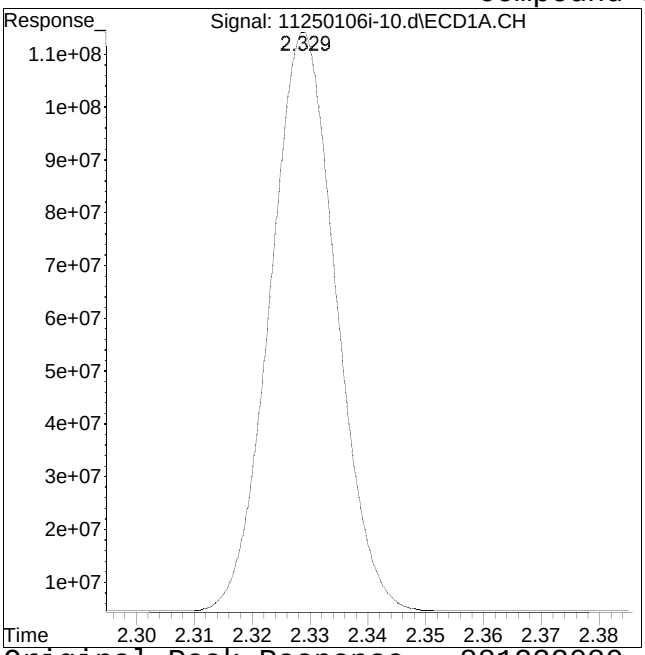


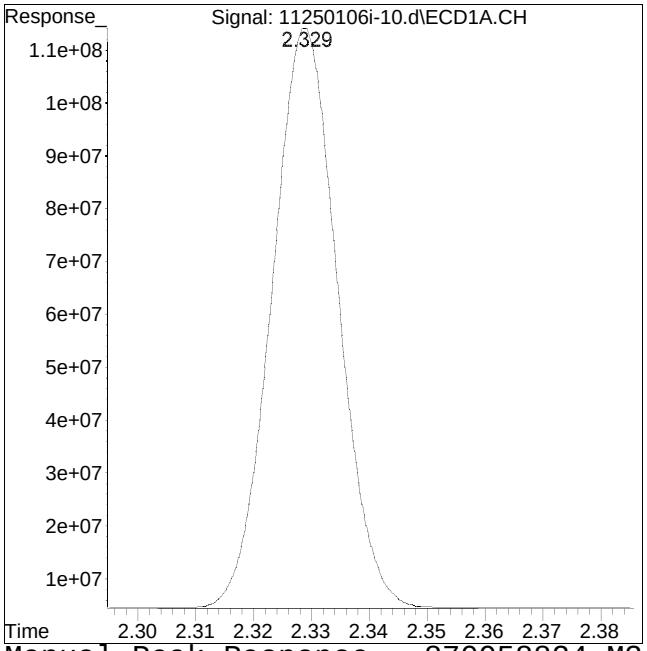
Original Peak Response = 2144592761 Manual Peak Response = 2125038674 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-10.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:10 Instrument : Pest 11
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/7/2025 11:41 am

Compound #6: beta-BHC



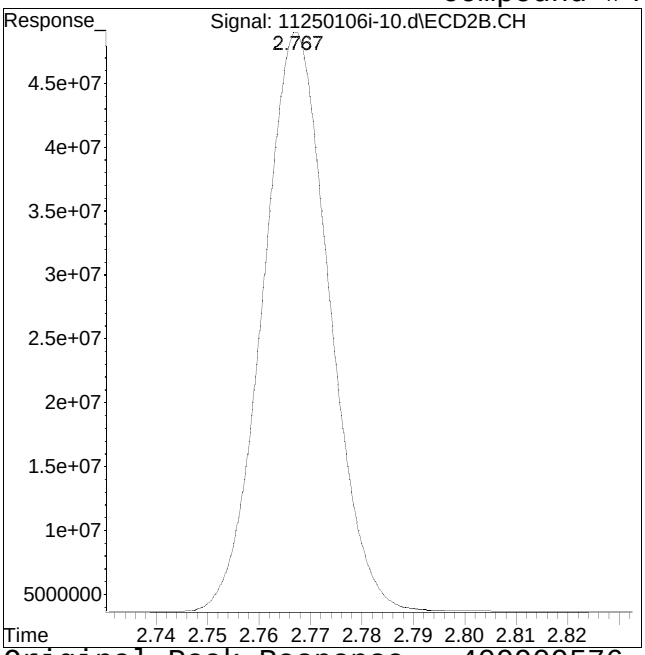


Original Peak Response = 881232080 Manual Peak Response = 870958824 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

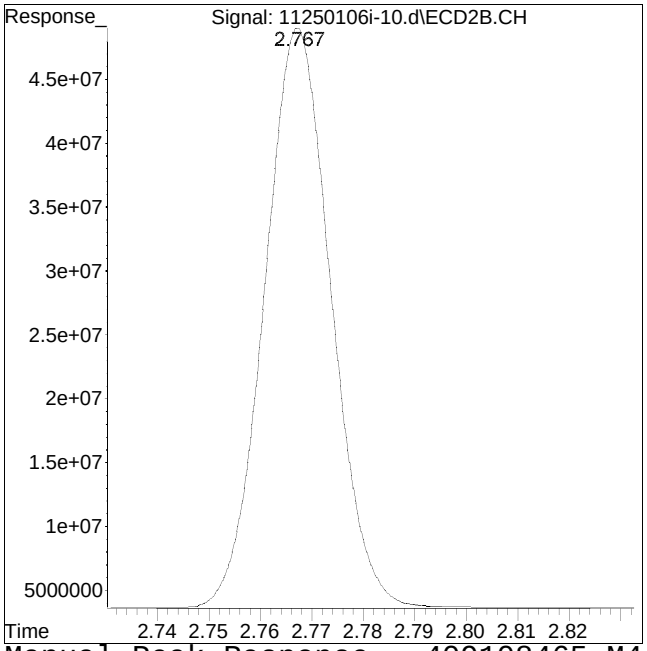
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-10.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:10 Instrument : Pest 11
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/7/2025 11:41 am

Compound #44: beta-BHC #2



Original Peak Response = 409909576



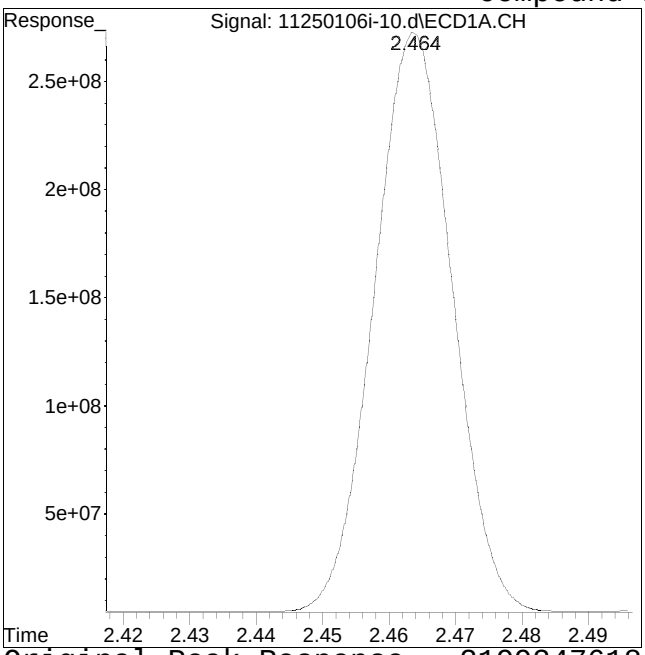
Manual Peak Response = 409108465 M4

M4 = Poor automated baseline construction.

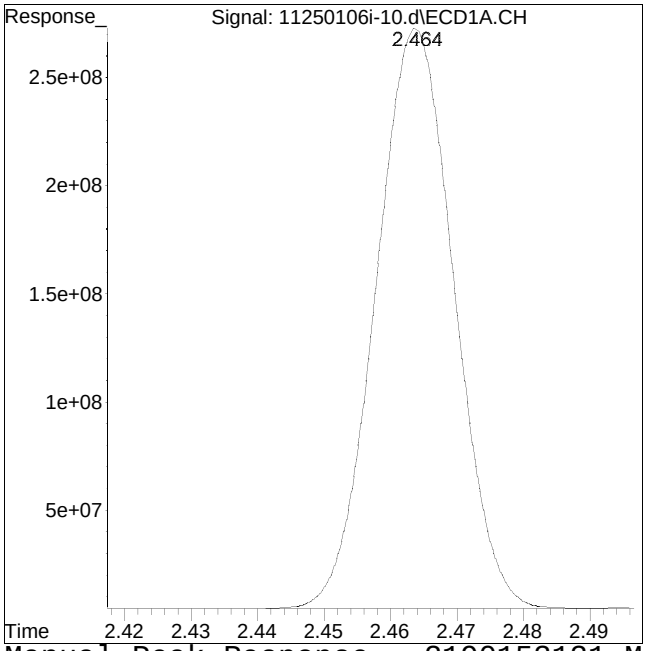
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-10.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:10 Instrument : Pest 11
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/7/2025 11:41 am

Compound #7: delta-BHC



Original Peak Response = 2199247618

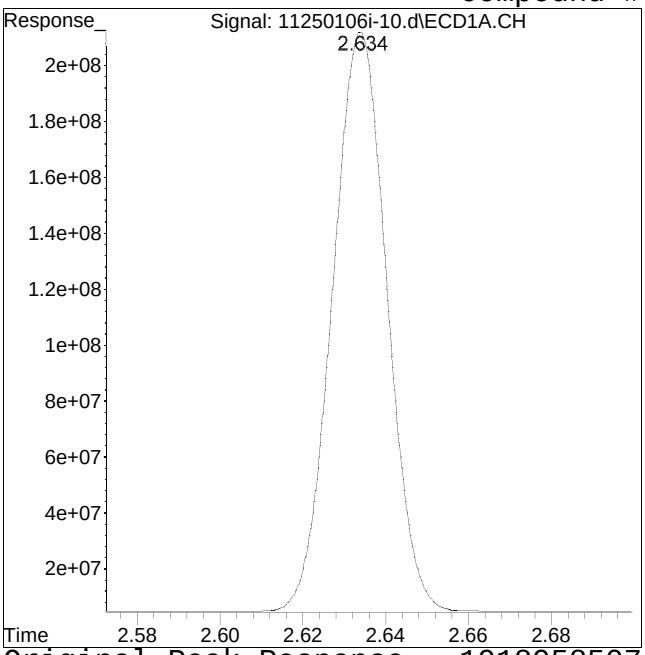


Manual Peak Response = 2190153131 M4
M4 = Poor automated baseline construction.

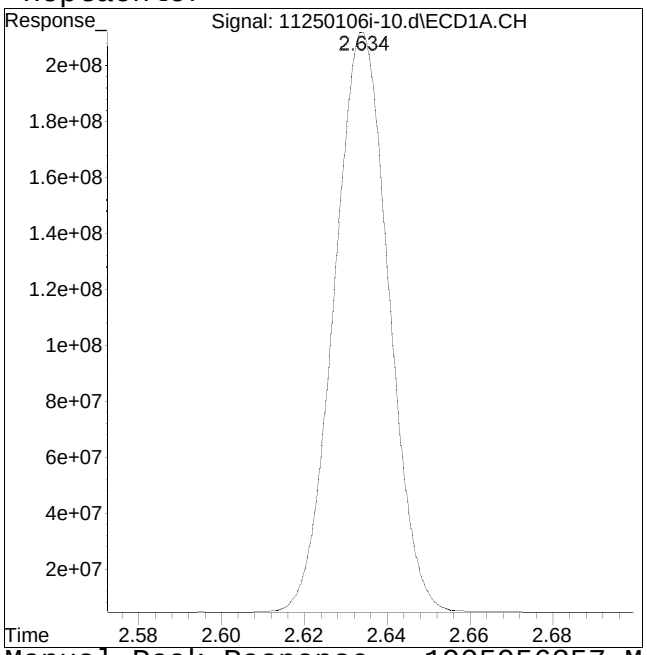
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-10.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:10 Instrument : Pest 11
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/7/2025 11:41 am

Compound #8: Heptachlor



Original Peak Response = 1918958507

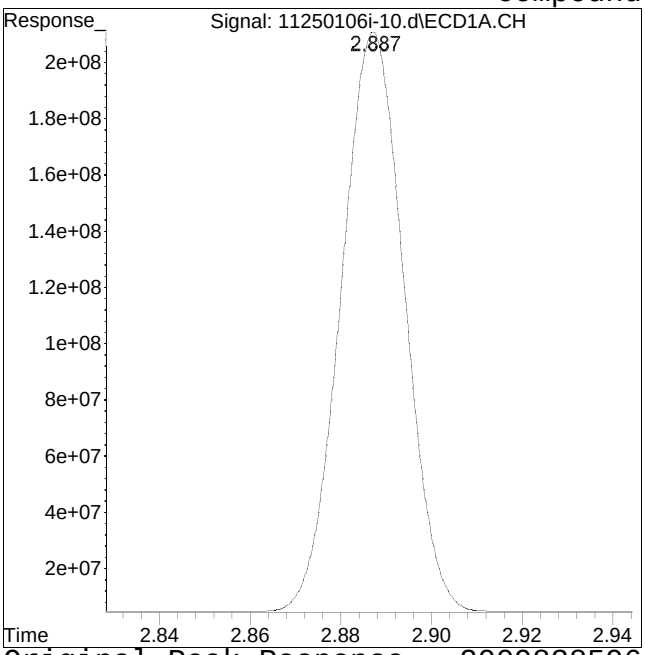


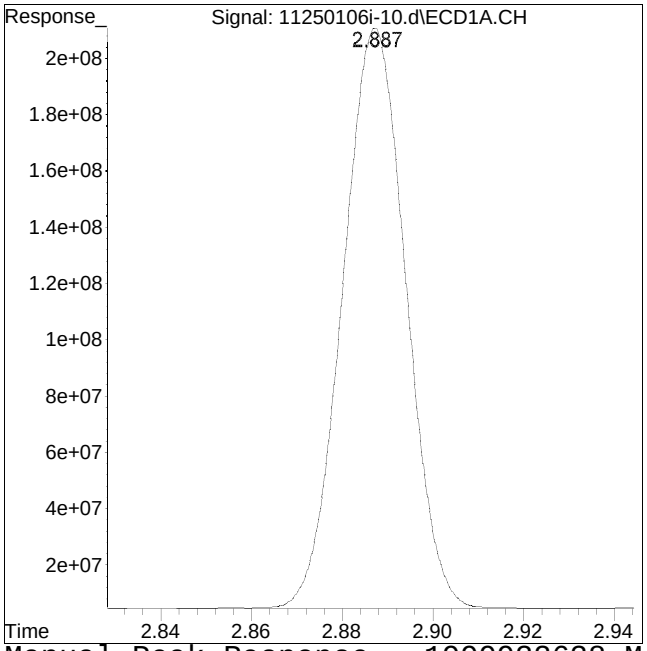
Manual Peak Response = 1905056357 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-10.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:10 Instrument : Pest 11
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/7/2025 11:41 am

Compound #9: Aldrin



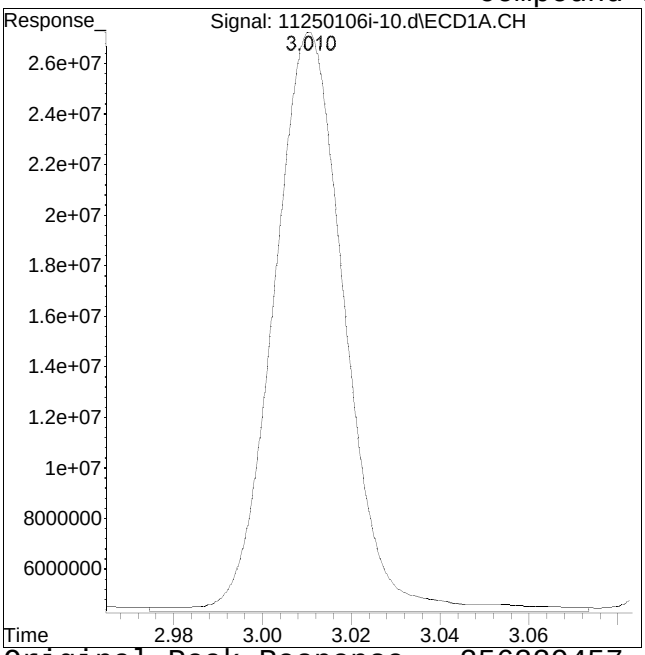


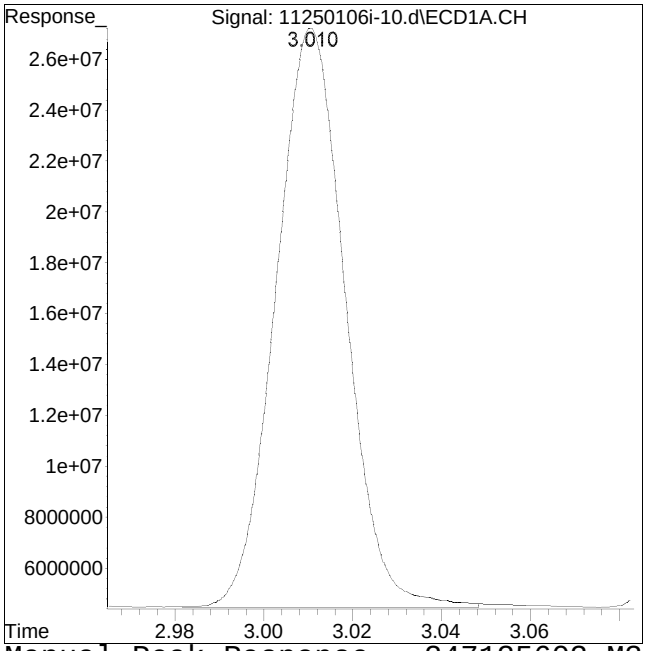
Original Peak Response = 2009838596 Manual Peak Response = 1999932638 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-10.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:10 Instrument : Pest 11
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/7/2025 11:41 am

Compound #10: Alachlor



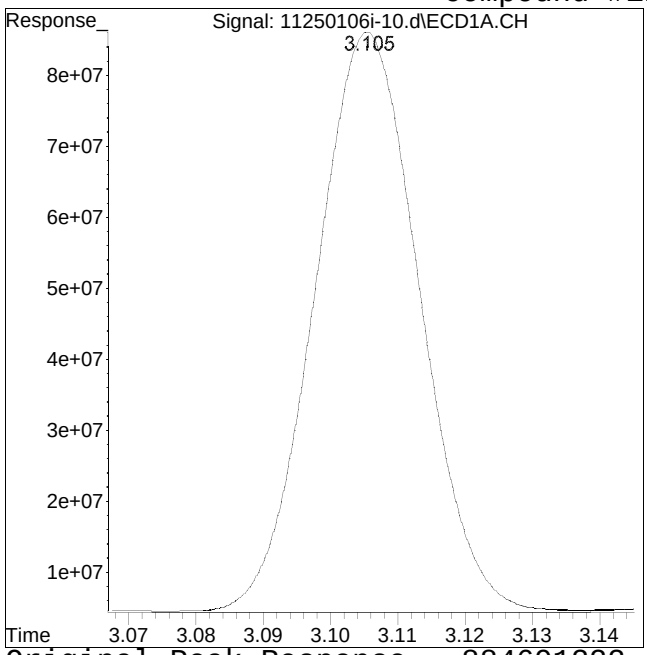


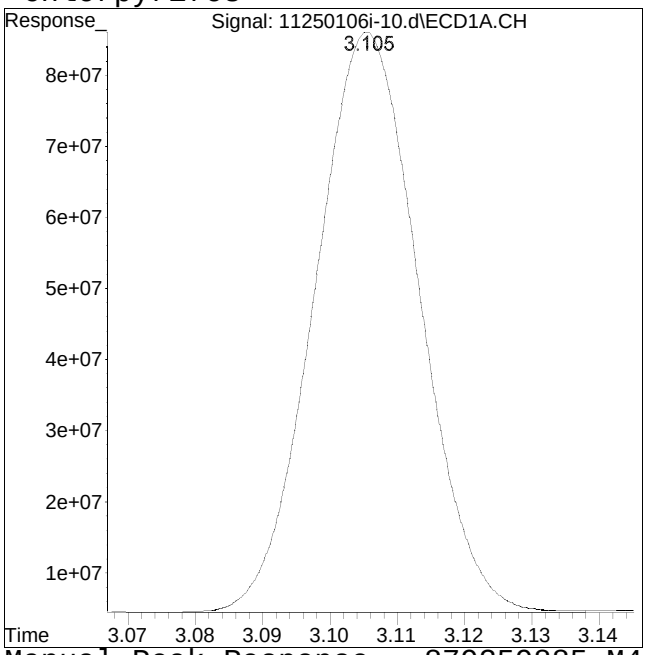
Original Peak Response = 256329457 Manual Peak Response = 247135603 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-10.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:10 Instrument : Pest 11
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/7/2025 11:41 am

Compound #11: Chlorpyrifos



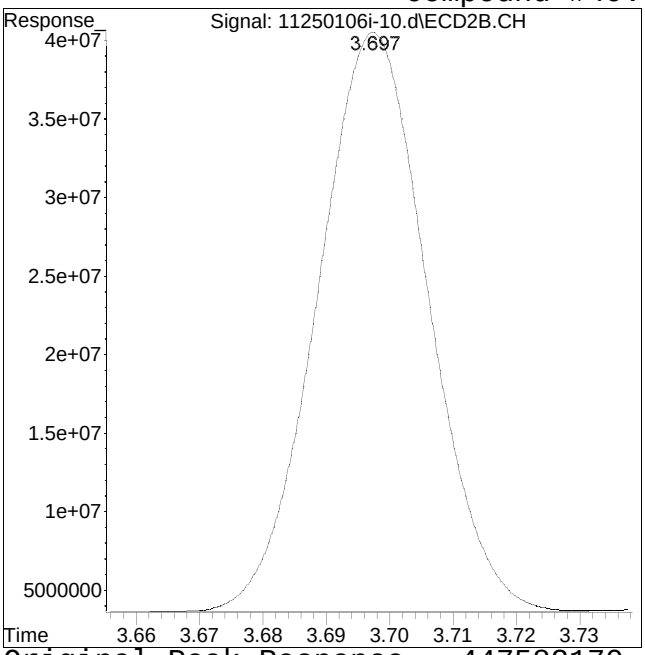


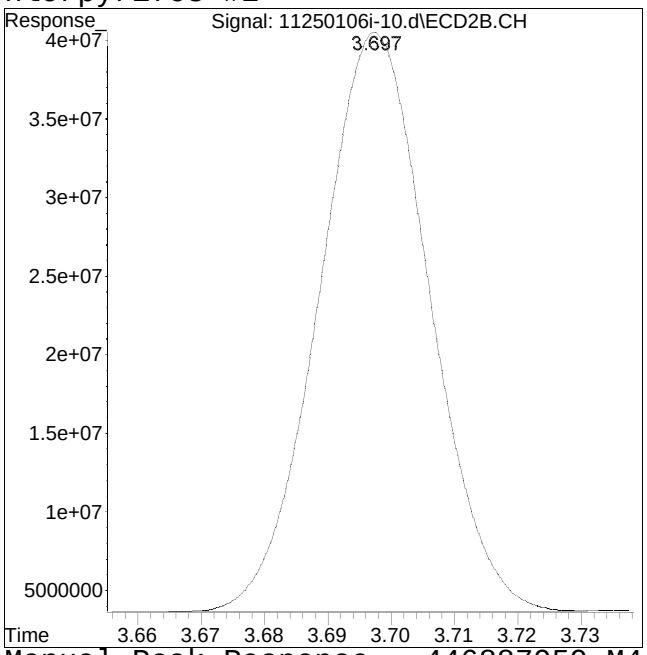
Original Peak Response = 884691222 Manual Peak Response = 879359885 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-10.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:10 Instrument : Pest 11
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/7/2025 11:41 am

Compound #49: Chlorpyrifos #2



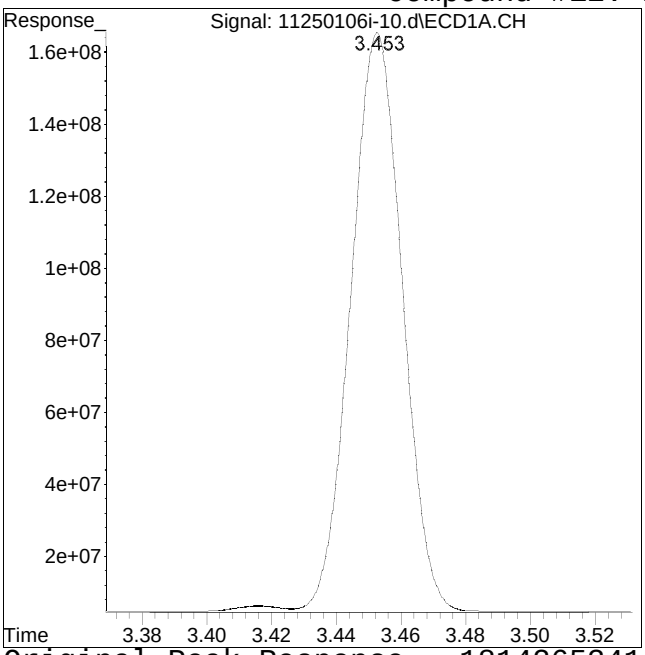


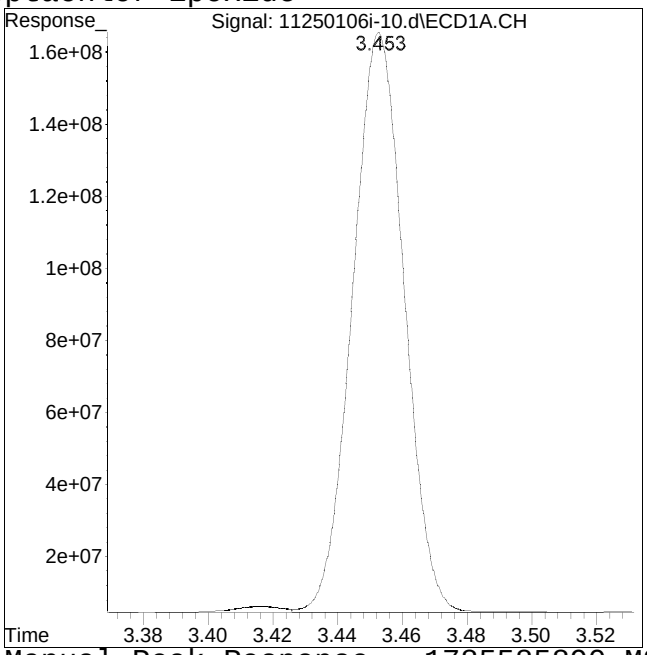
Original Peak Response = 447582170 Manual Peak Response = 446887959 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-10.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:10 Instrument : Pest 11
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/7/2025 11:41 am

Compound #12: Heptachlor Epoxide



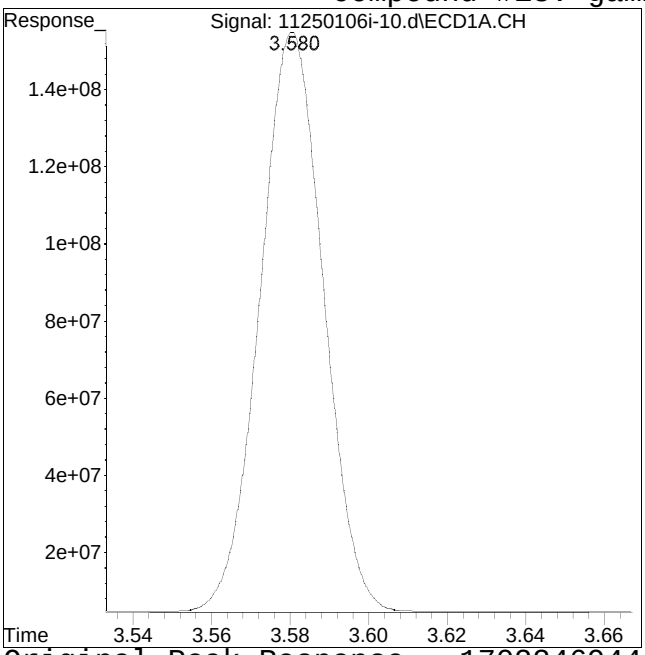


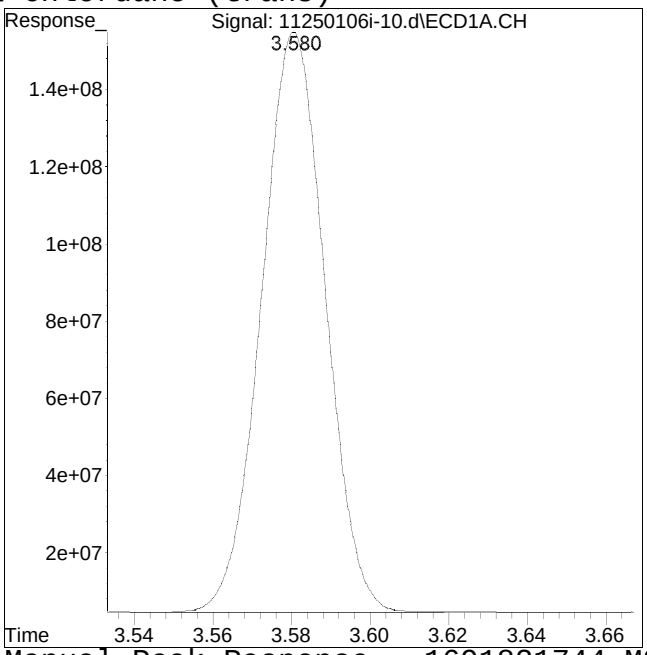
Original Peak Response = 1814265341 Manual Peak Response = 1785585890 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-10.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:10 Instrument : Pest 11
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/7/2025 11:41 am

Compound #13: gamma-Chlordane (trans)



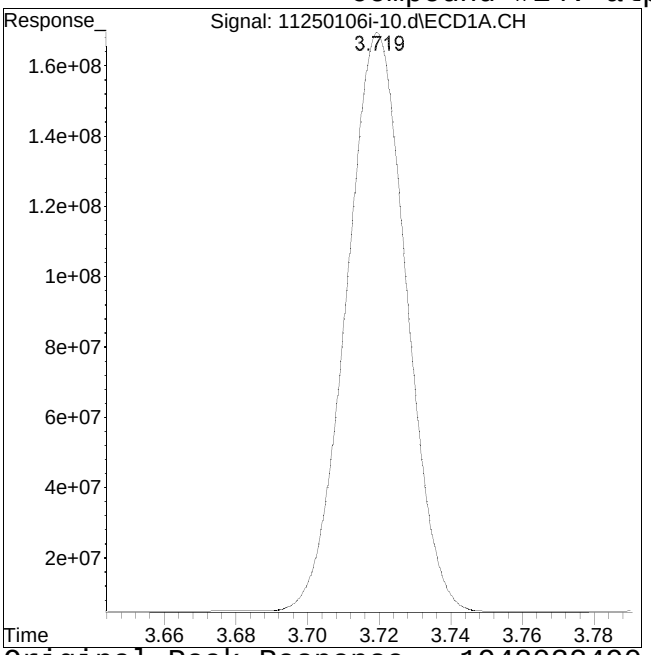


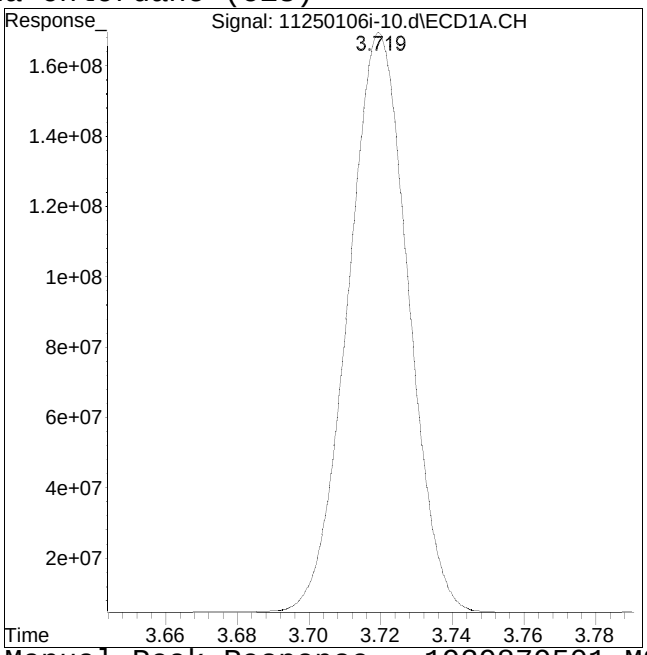
Original Peak Response = 1702246944 Manual Peak Response = 1691821744 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-10.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:10 Instrument : Pest 11
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/7/2025 11:41 am

Compound #14: alpha-Chlordane (cis)



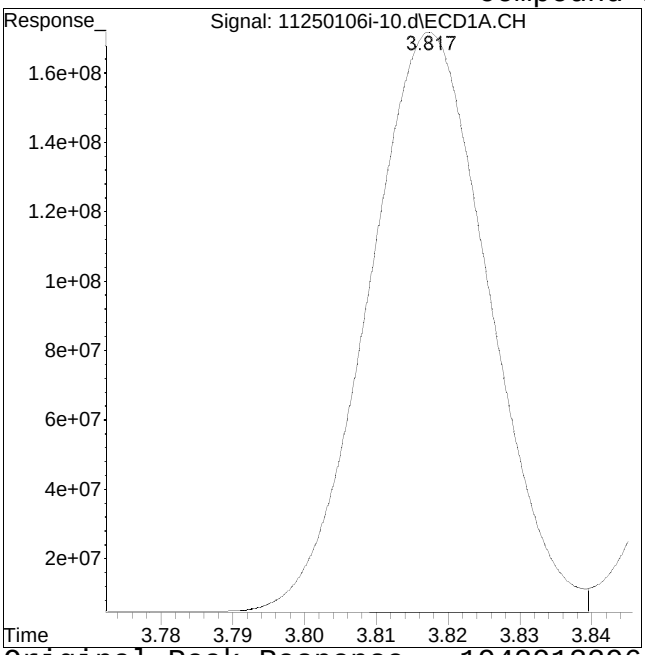


Original Peak Response = 1942032490 Manual Peak Response = 1929879501 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

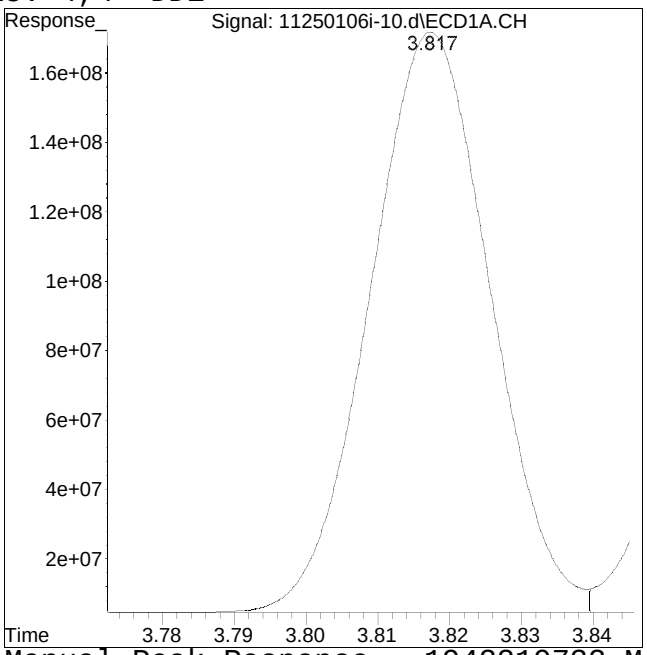
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-10.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:10 Instrument : Pest 11
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/7/2025 11:41 am

Compound #15: 4,4'-DDE



Original Peak Response = 1943913296

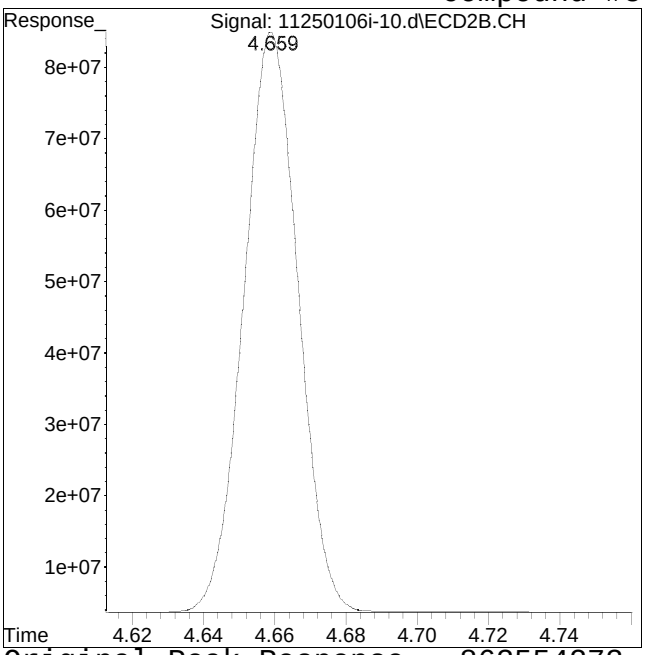


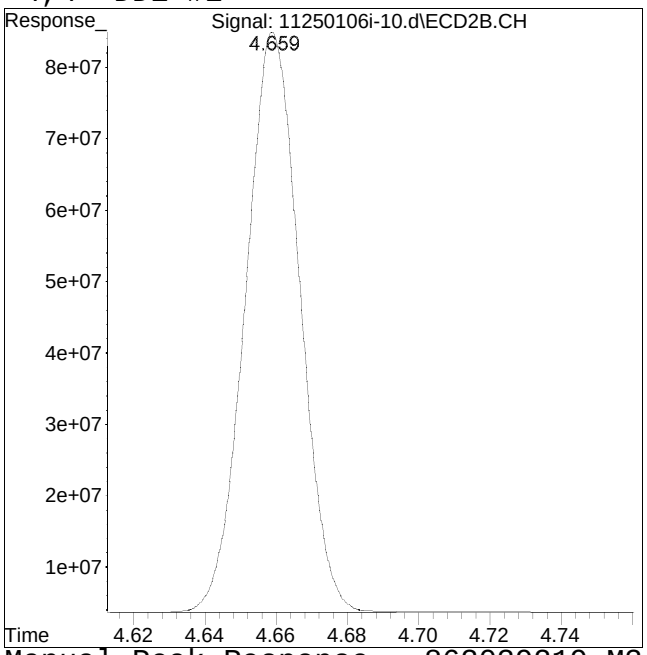
Manual Peak Response = 1942219732 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-10.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:10 Instrument : Pest 11
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/7/2025 11:41 am

Compound #53: 4,4'-DDE #2





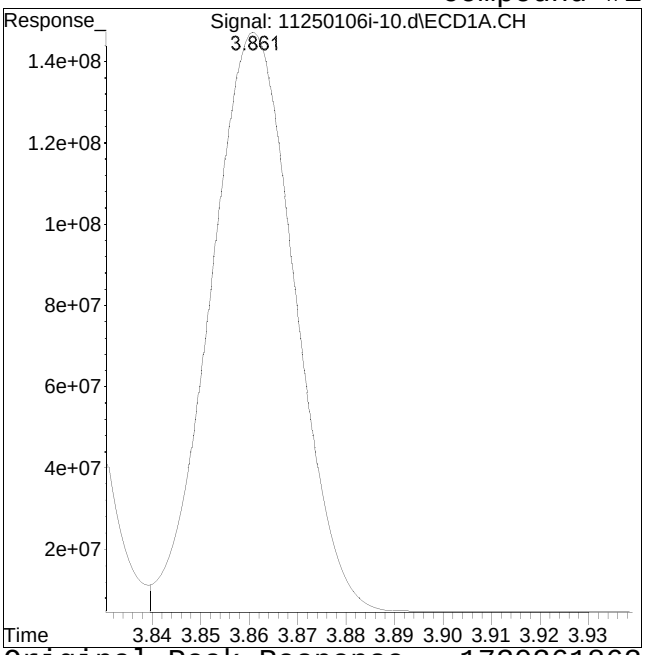
Original Peak Response = 863554273 Manual Peak Response = 862039219 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

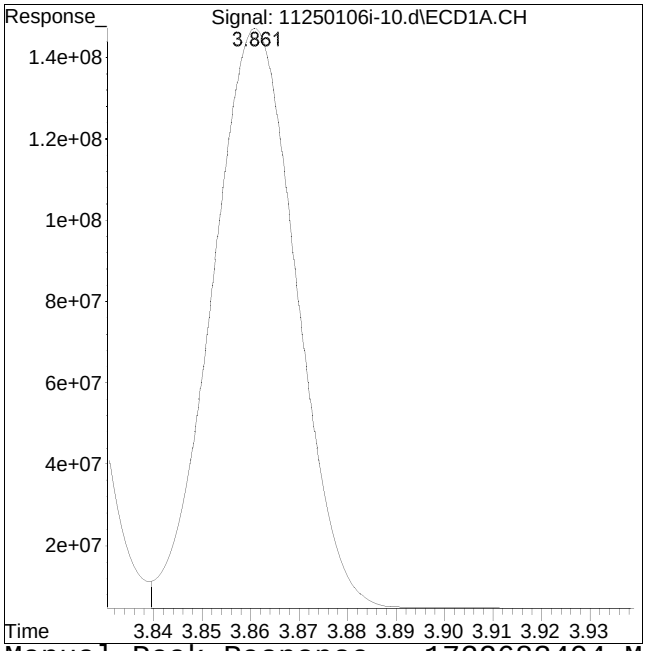
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-10.d
Date Inj'd : 1/6/2025 14:10
Sample : il9pest,42e,,pp 11941 L0.1

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:41 am

Compound #16: Endosulfan I



Original Peak Response = 1730361863



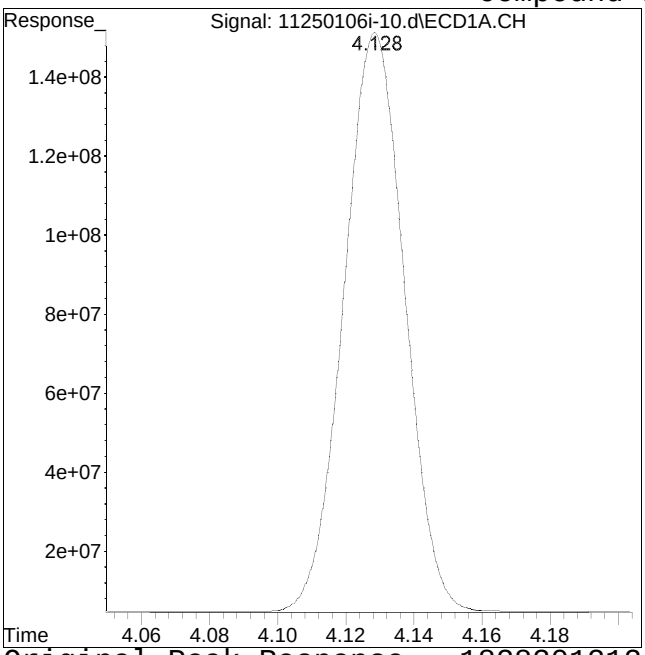
Manual Peak Response = 1722683404 M4

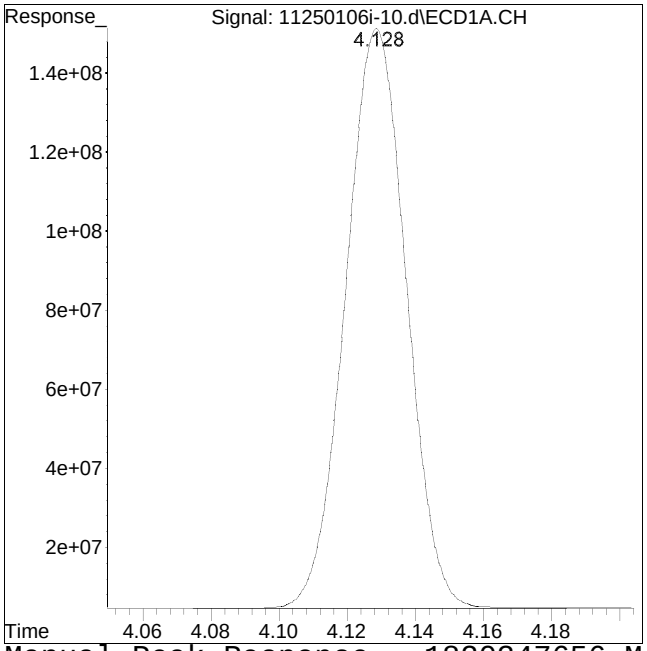
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-10.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:10 Instrument : Pest 11
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/7/2025 11:41 am

Compound #17: Dieldrin



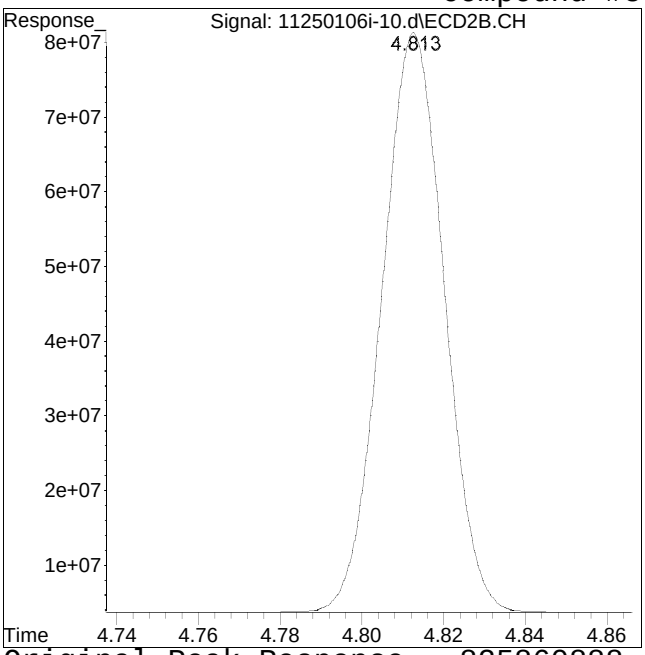


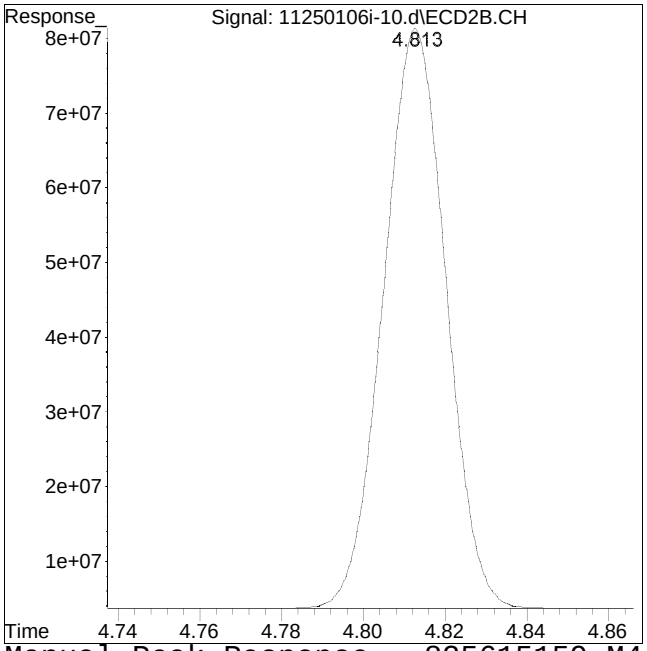
Original Peak Response = 1828301212 Manual Peak Response = 1820347656 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-10.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:10 Instrument : Pest 11
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/7/2025 11:41 am

Compound #55: Dieldrin #2



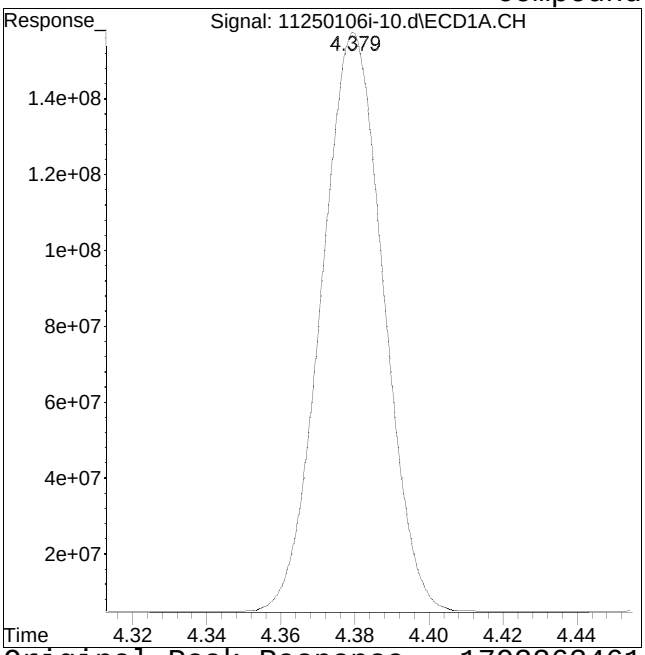


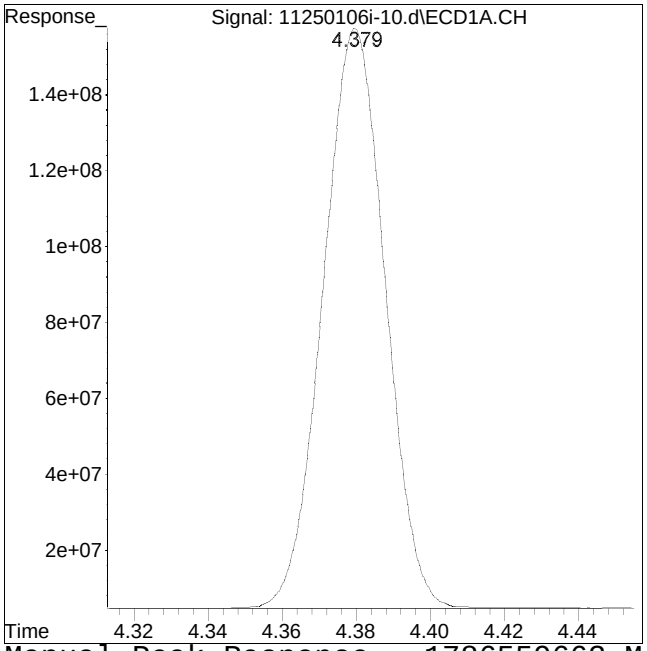
Original Peak Response = 825860888 Manual Peak Response = 825615159 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-10.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:10 Instrument : Pest 11
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/7/2025 11:41 am

Compound #18: Endrin



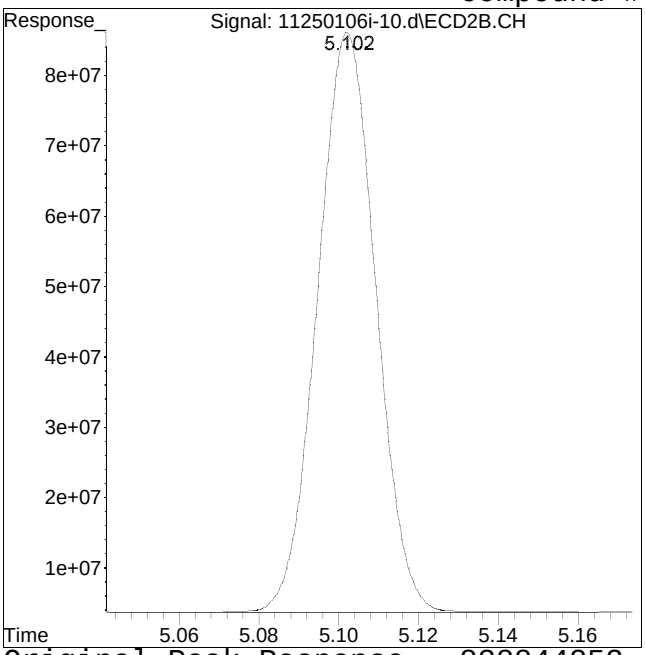


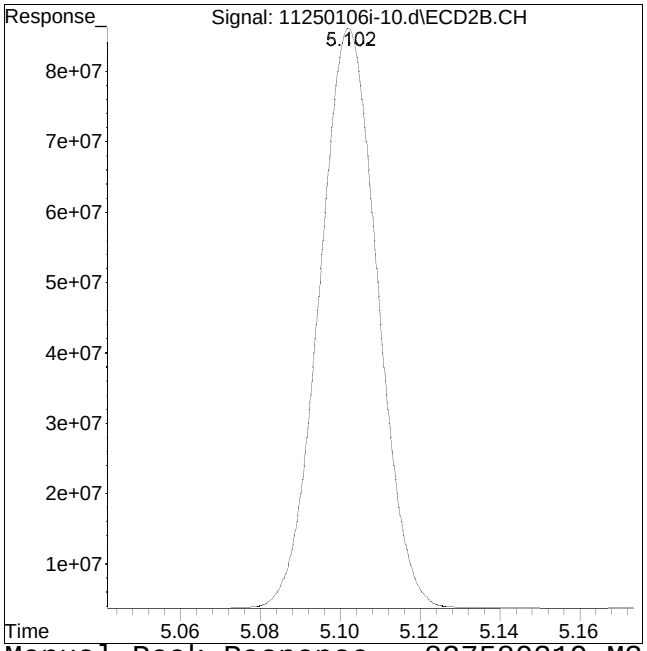
Original Peak Response = 1793263461 Manual Peak Response = 1786559663 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-10.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:10 Instrument : Pest 11
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/7/2025 11:41 am

Compound #56: Endrin #2



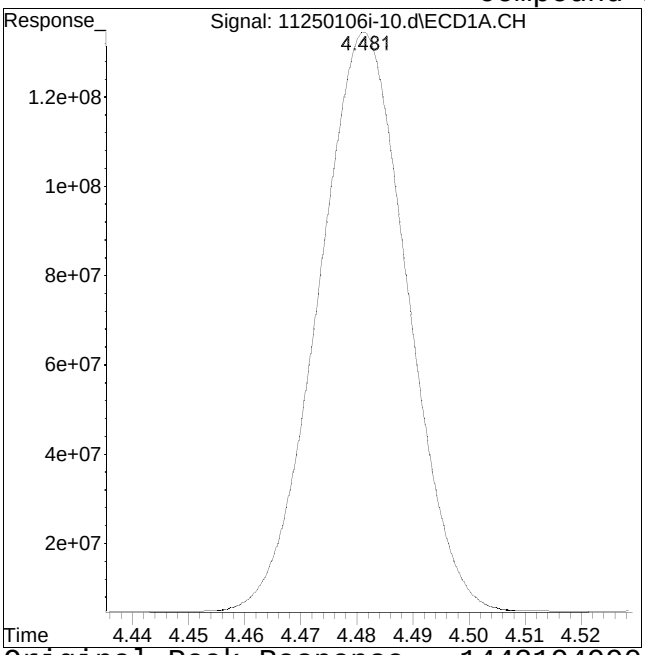


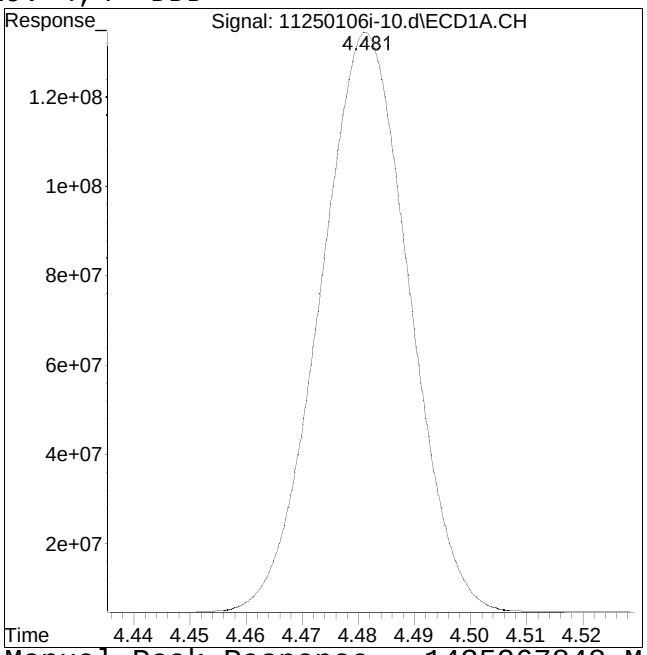
Original Peak Response = 838844252 Manual Peak Response = 837580319 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-10.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:10 Instrument : Pest 11
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/7/2025 11:41 am

Compound #19: 4,4'-DDD



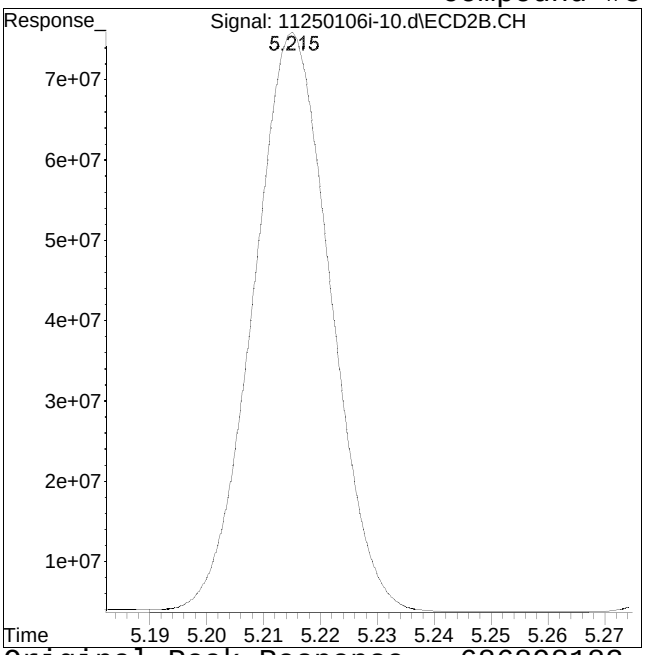


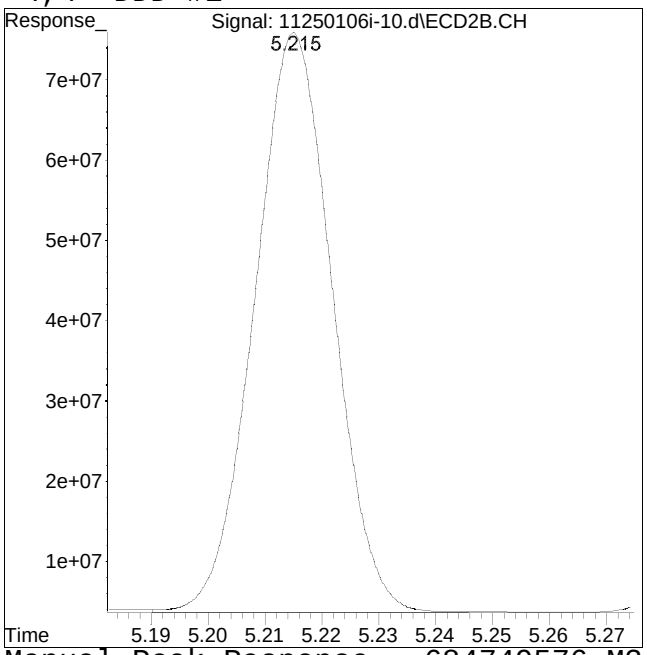
Original Peak Response = 1442194990 Manual Peak Response = 1435267848 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-10.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:10 Instrument : Pest 11
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/7/2025 11:41 am

Compound #57: 4,4'-DDD #2





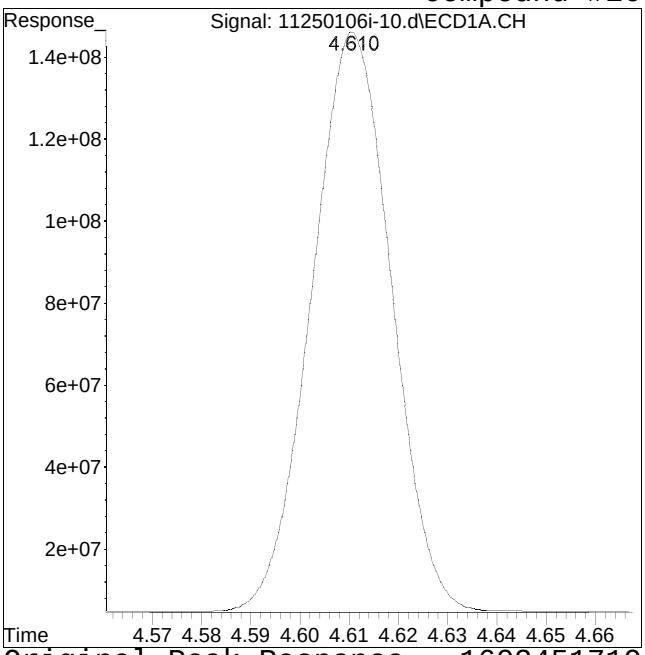
Original Peak Response = 686898183 Manual Peak Response = 684749576 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

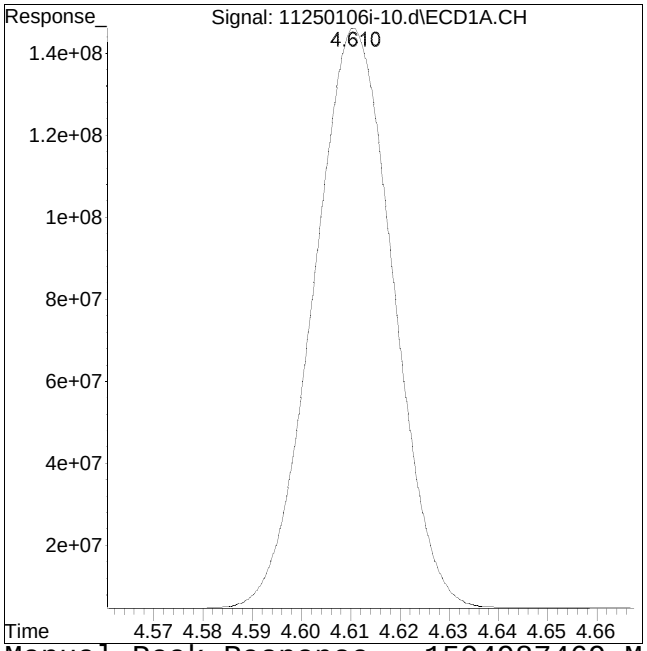
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-10.d
Date Inj'd : 1/6/2025 14:10
Sample : il9pest,42e,,pp 11941 L0.1

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:41 am

Compound #20: Endosulfan II



Original Peak Response = 1602451719



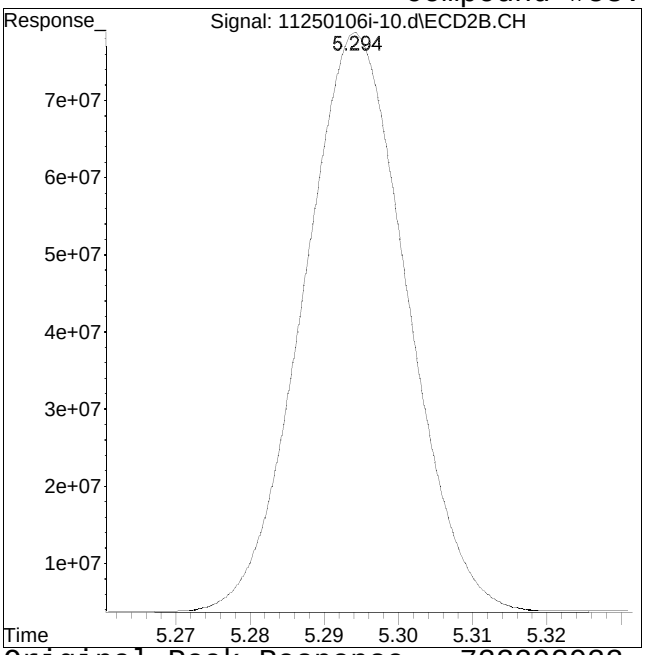
Manual Peak Response = 1594987469 M4

M4 = Poor automated baseline construction.

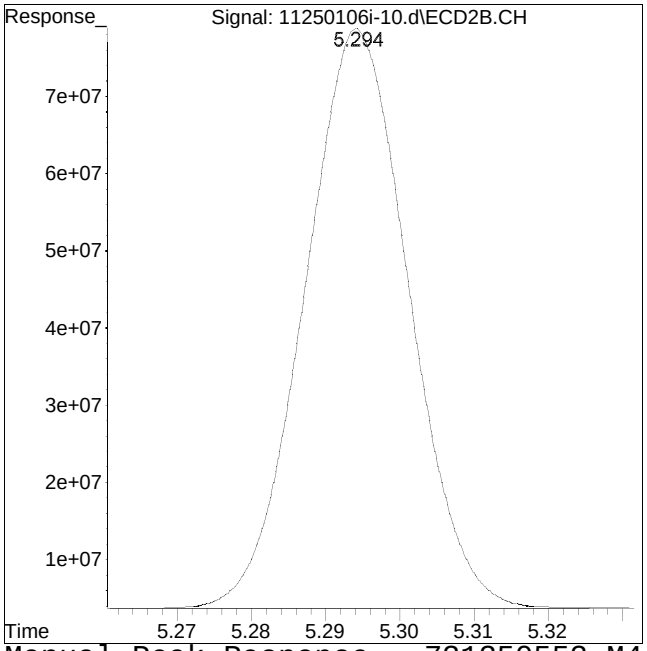
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-10.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:10 Instrument : Pest 11
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/7/2025 11:41 am

Compound #58: Endosulfan II #2



Original Peak Response = 733292933



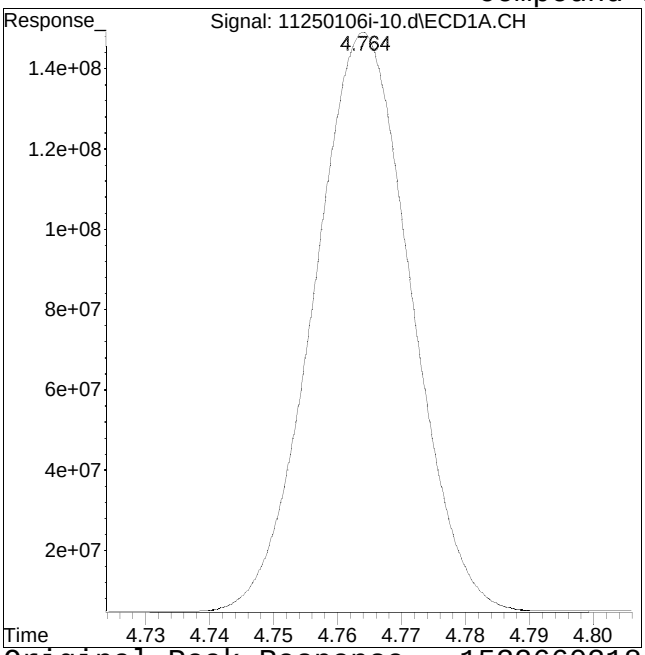
Manual Peak Response = 731350553 M4
M4 = Poor automated baseline construction.

Manual Integration Report

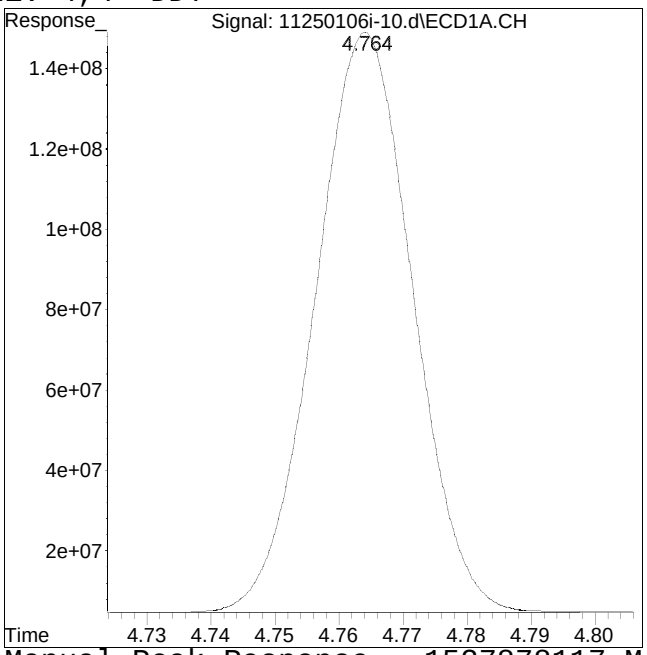
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-10.d
Date Inj'd : 1/6/2025 14:10
Sample : il9pest,42e,,pp 11941 L0.1

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:41 am

Compound #21: 4,4'-DDT



Original Peak Response = 1532660218



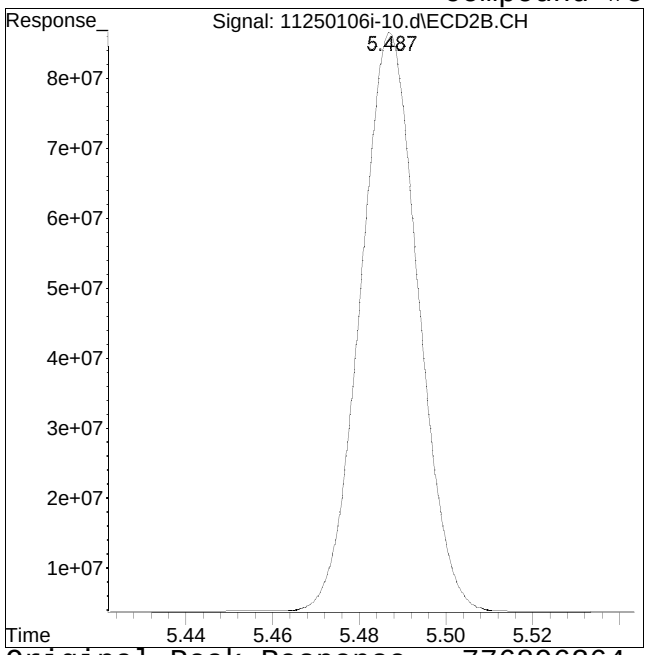
Manual Peak Response = 1527878117 M4

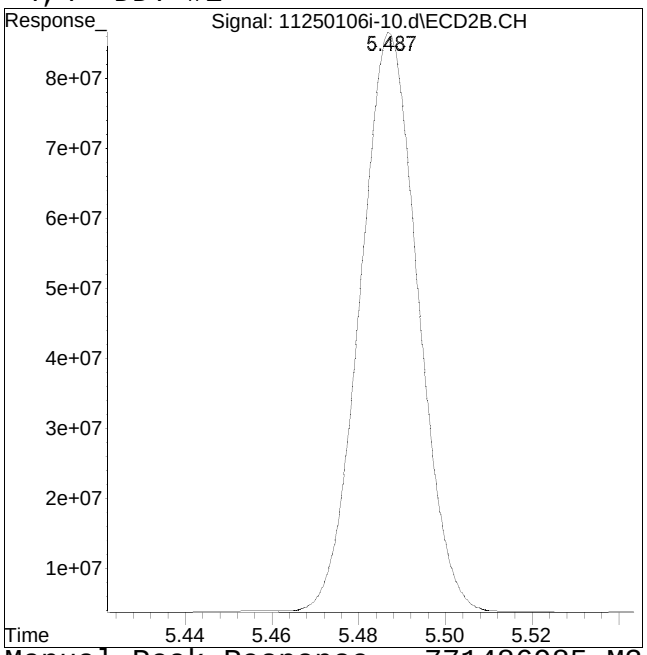
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-10.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:10 Instrument : Pest 11
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/7/2025 11:41 am

Compound #59: 4,4'-DDT #2





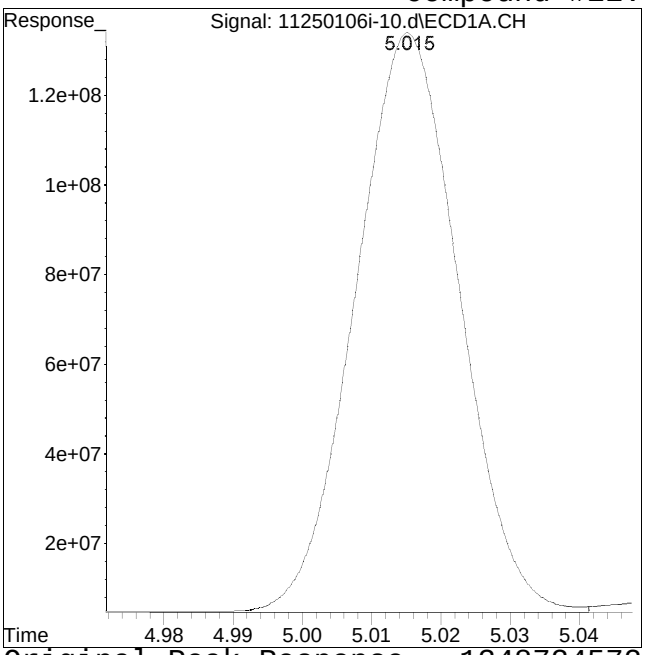
Original Peak Response = 776896264 Manual Peak Response = 771486985 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

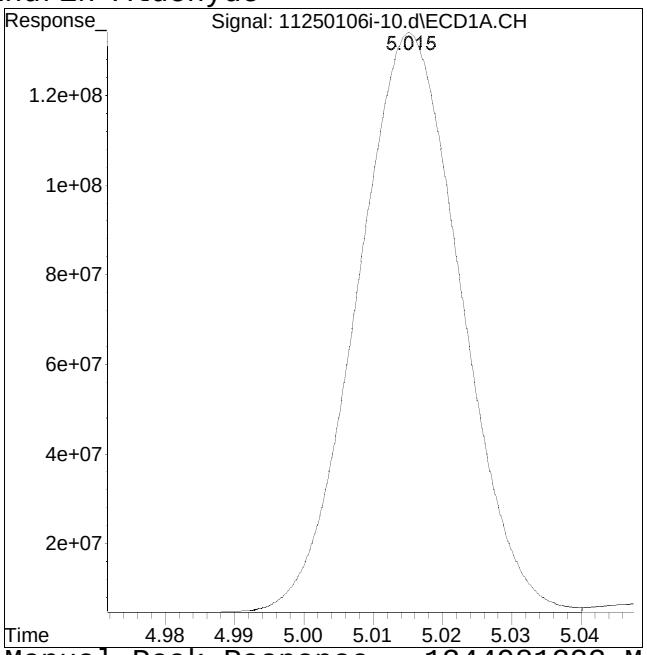
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-10.d
Date Inj'd : 1/6/2025 14:10
Sample : il9pest,42e,,pp 11941 L0.1

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:41 am

Compound #22: Endrin Aldehyde



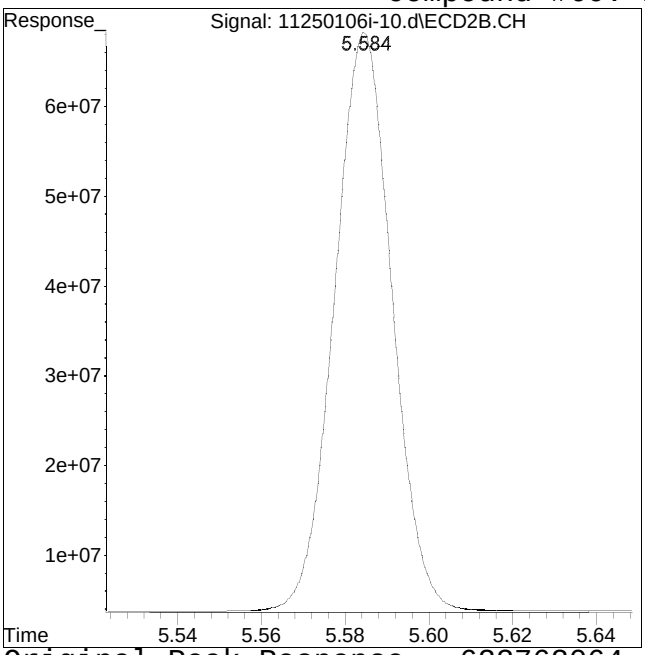


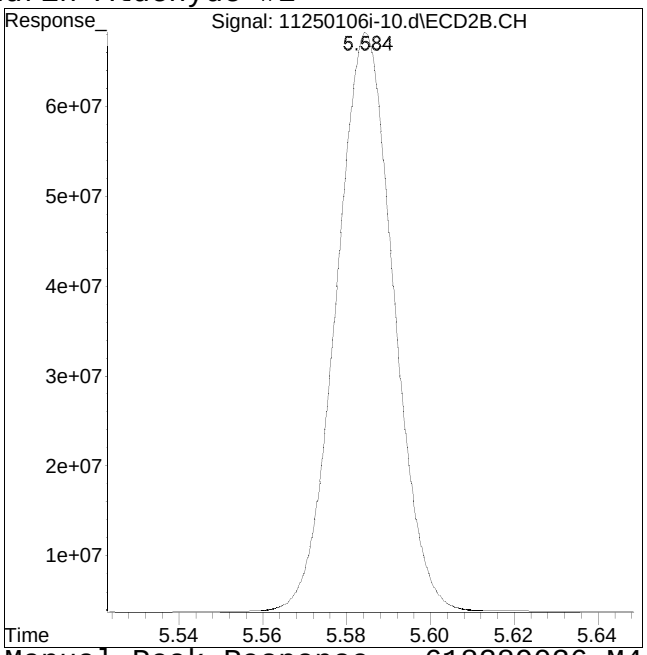
Original Peak Response = 1348724572 Manual Peak Response = 1344981223 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-10.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:10 Instrument : Pest 11
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/7/2025 11:41 am

Compound #60: Endrin Aldehyde #2



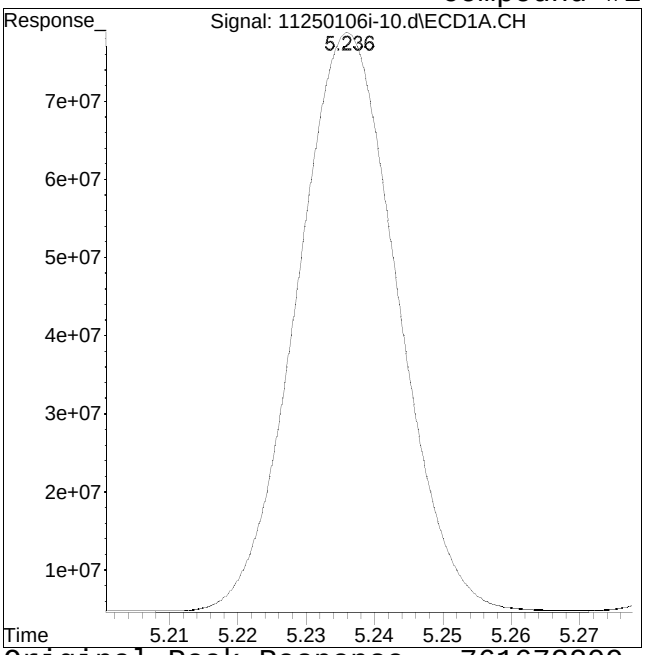


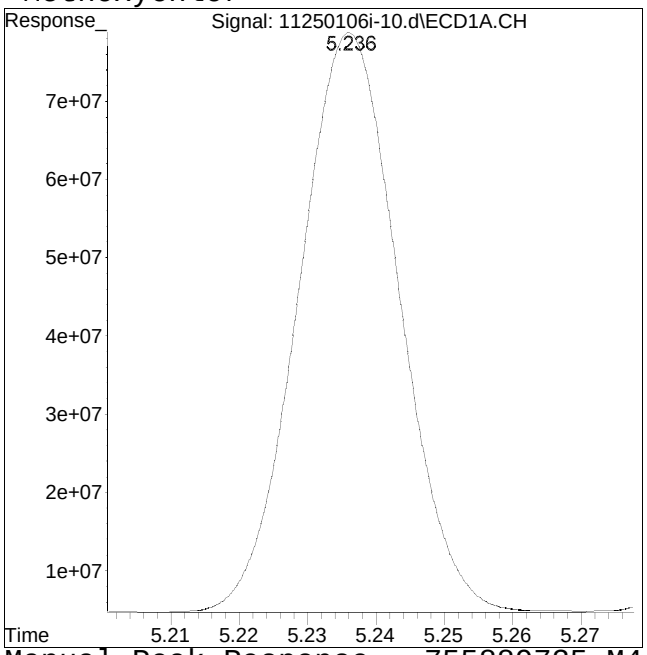
Original Peak Response = 623762064 Manual Peak Response = 618389036 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-10.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:10 Instrument : Pest 11
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/7/2025 11:41 am

Compound #23: Methoxychlor



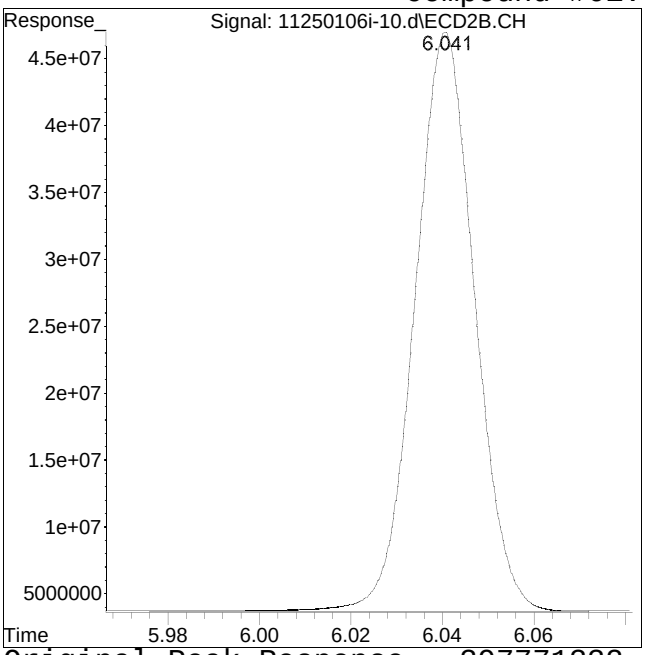


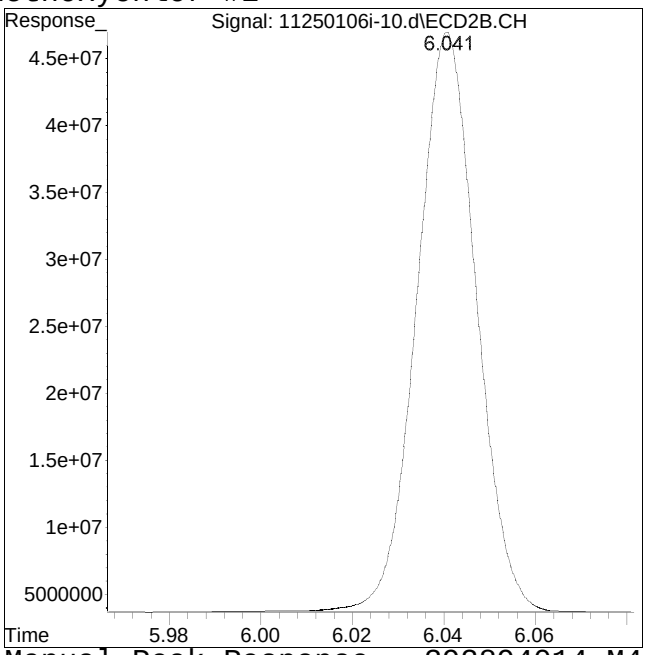
Original Peak Response = 761672209 Manual Peak Response = 755889735 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-10.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:10 Instrument : Pest 11
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/7/2025 11:41 am

Compound #61: Methoxychlor #2



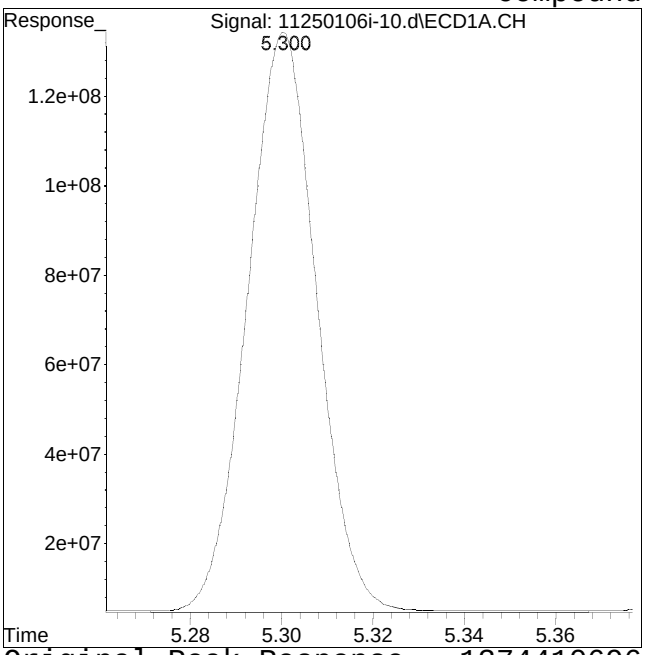


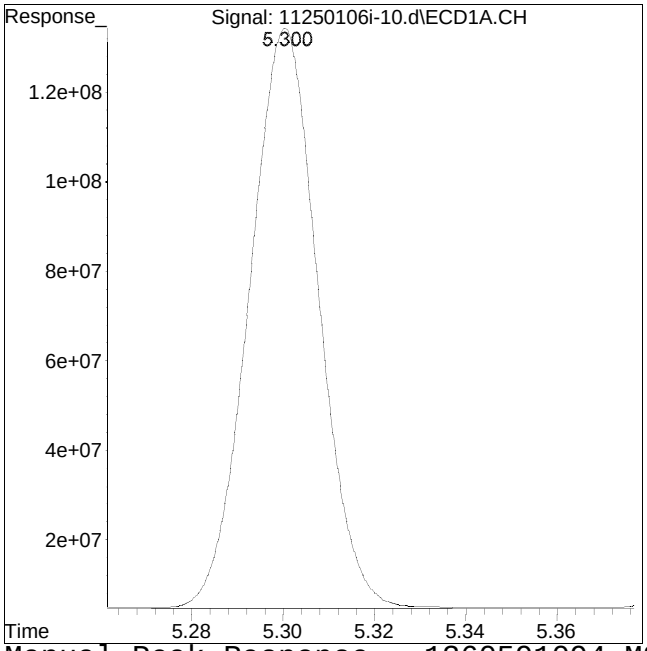
Original Peak Response = 397771332 Manual Peak Response = 392894014 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-10.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:10 Instrument : Pest 11
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/7/2025 11:41 am

Compound #24: Mirex



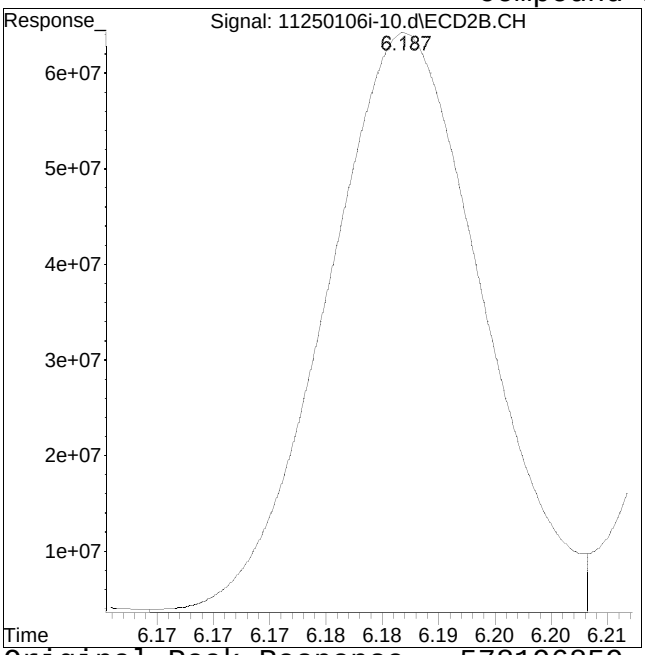


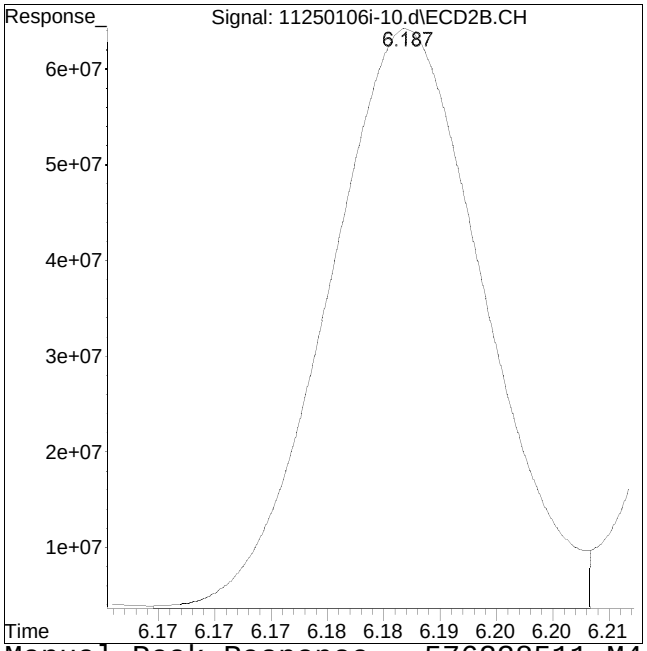
Original Peak Response = 1374410696 Manual Peak Response = 1360591094 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-10.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:10 Instrument : Pest 11
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/7/2025 11:41 am

Compound #62: Mirex #2



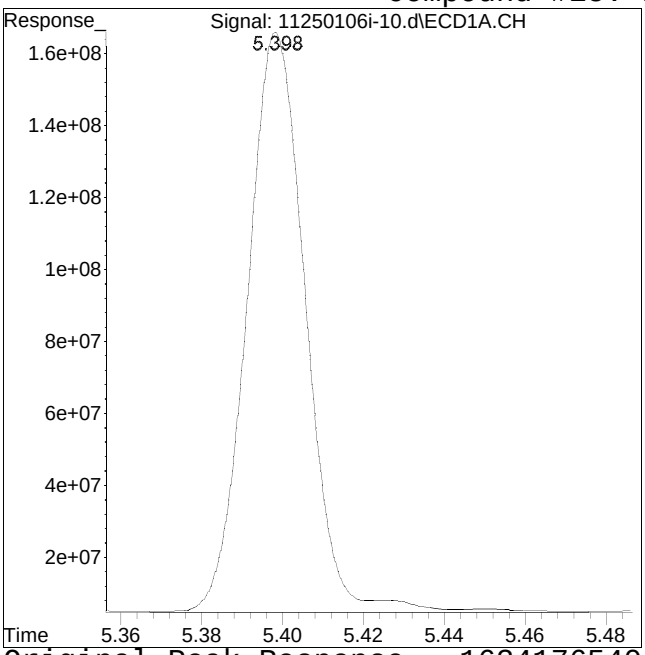


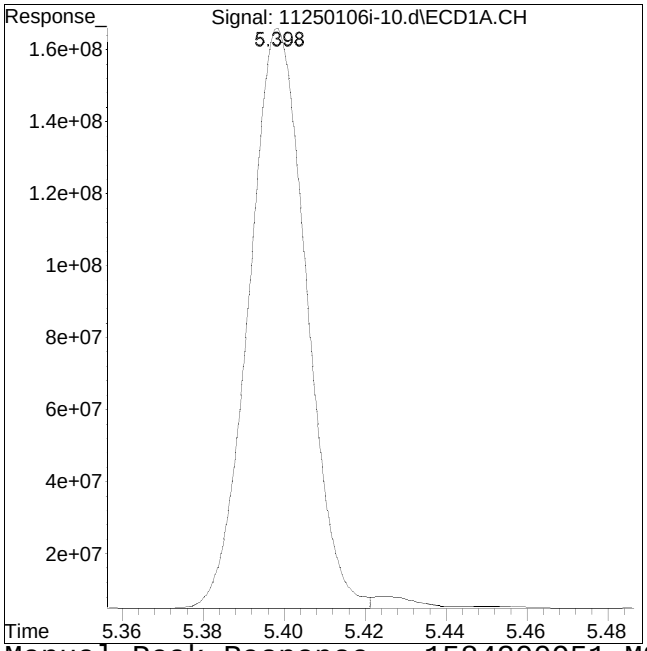
Original Peak Response = 578196859 Manual Peak Response = 576238511 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-10.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:10 Instrument : Pest 11
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/7/2025 11:41 am

Compound #25: Endosulfan Sulfate



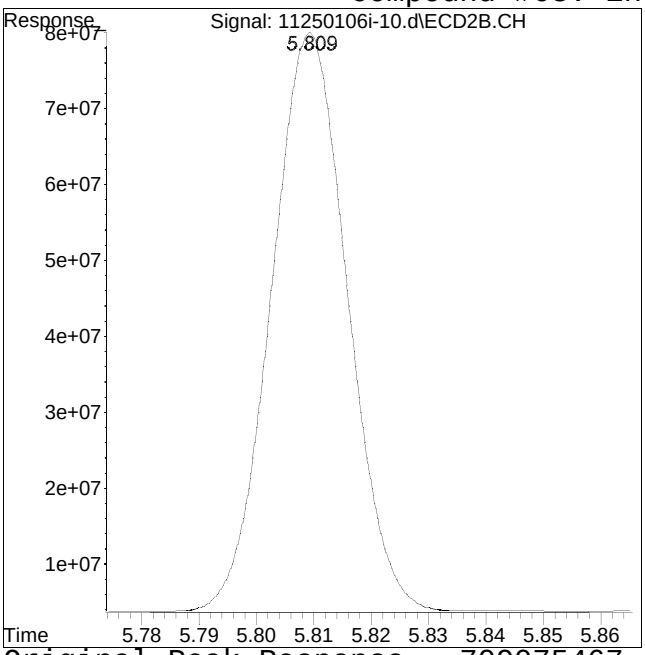


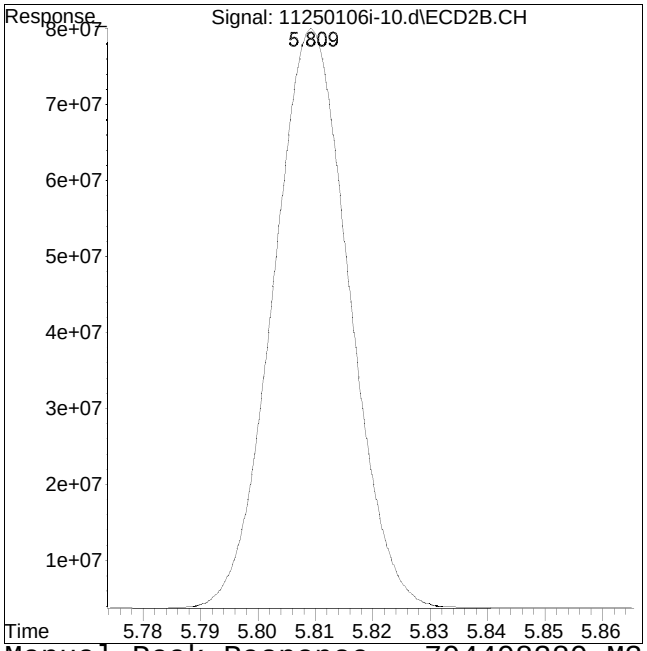
Original Peak Response = 1634176540 Manual Peak Response = 1584300951 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-10.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:10 Instrument : Pest 11
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/7/2025 11:41 am

Compound #63: Endosulfan Sulfate #2



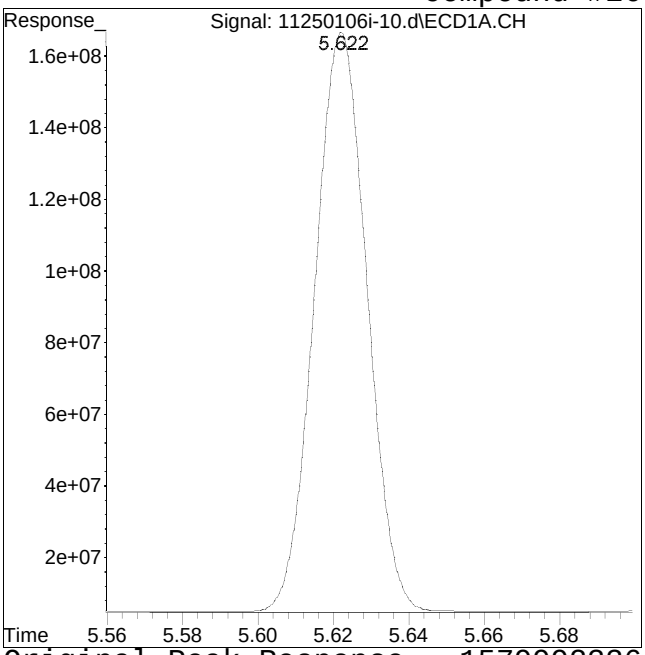


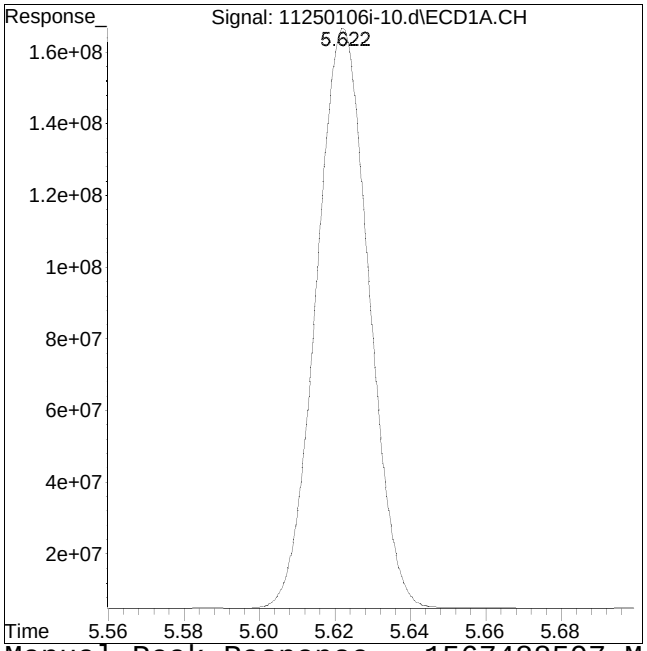
Original Peak Response = 709075467 Manual Peak Response = 704408380 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-10.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:10 Instrument : Pest 11
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/7/2025 11:41 am

Compound #26: Endrin Ketone



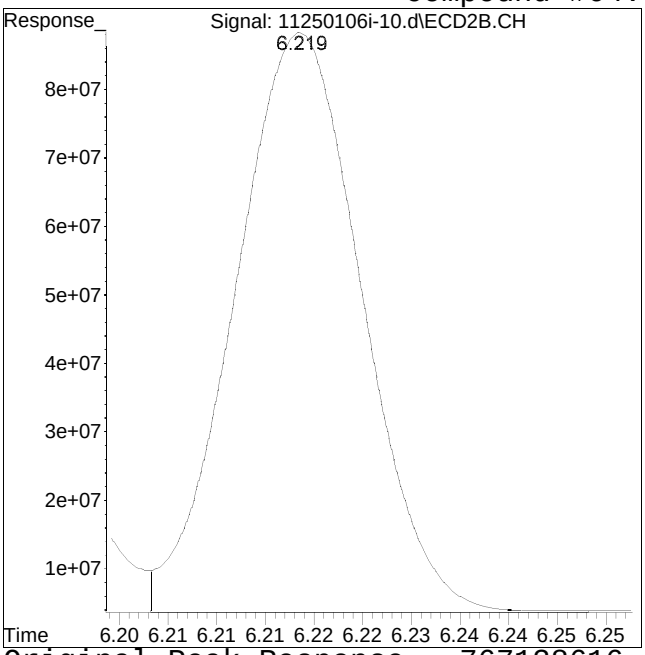


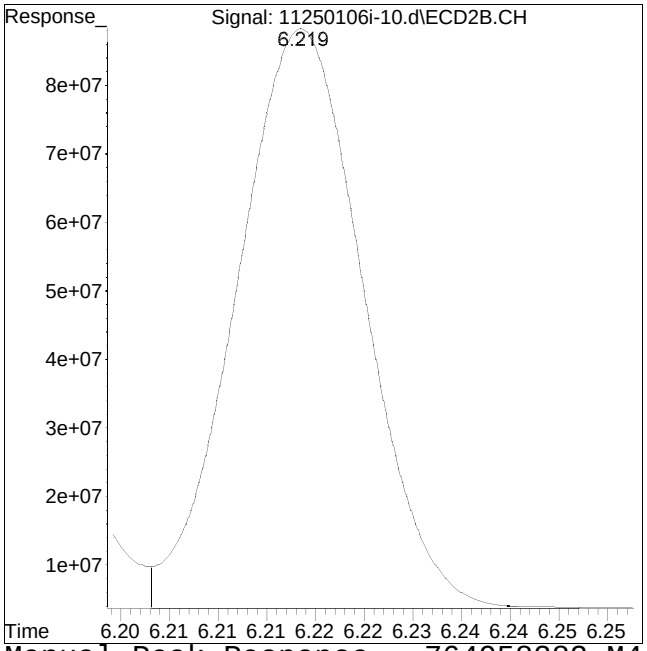
Original Peak Response = 1579992336 Manual Peak Response = 1567488507 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-10.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:10 Instrument : Pest 11
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/7/2025 11:41 am

Compound #64: Endrin Ketone #2



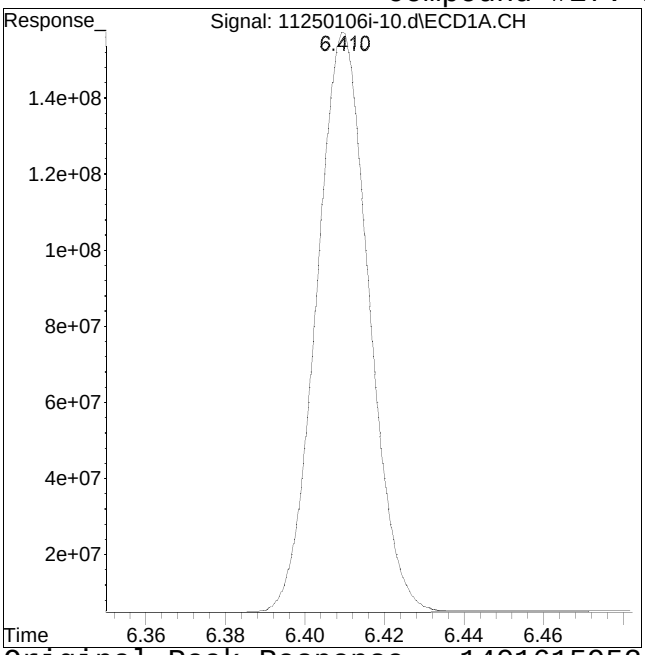


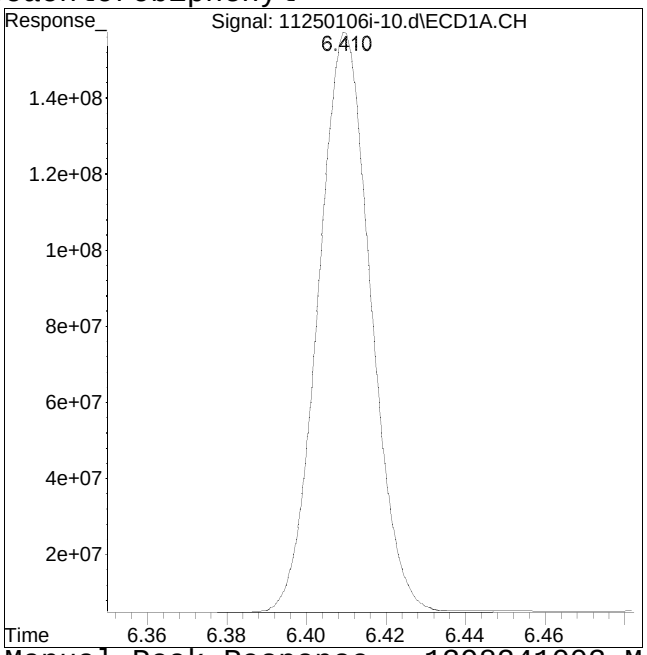
Original Peak Response = 767138616 Manual Peak Response = 764958282 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-10.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:10 Instrument : Pest 11
Sample : il9pest,42e,,pp 11941 L0.1Quant Date : 1/7/2025 11:41 am

Compound #27: Decachlorobiphenyl





Original Peak Response = 1401615952 Manual Peak Response = 1398241003 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 14:22
Operator : PEST11:akm
Sample : il10pest,42e,,pp 11941 L0.2
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 11:47:56 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 11:47:48 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
		Internal Standards						
1)	i	1-br-2-nb_Pe	1.375	1.456	315.5E6	176.5E6	25.000M3	25.000M3
28)	i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33)	i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
		System Monitoring Compounds						
2)	s	2,4,5,6-Tetr	1.733	1.960	3198.8E6	1459.1E6	205.209M3	206.715
		Spiked Amount 50.000	Range 30 - 150		Recovery =		410.42%#	413.43%#
27)	s	Decachlorobi	6.410	7.069	2748.9E6	1176.5E6	200.492M3	202.217M4
		Spiked Amount 50.000	Range 30 - 150		Recovery =		400.98%#	404.43%#
		Target Compounds						
3)	t	Hexachlorobe	1.956	2.299	3426.9E6	1556.6E6	206.576M3	205.985
4)	t	alpha-BHC	2.060	2.400	4936.4E6	2277.9E6	214.456M3	215.044
5)	t	gamma-BHC (l	2.272	2.701	4362.1E6	2055.7E6	213.976M3	213.663
6)	t	beta-BHC	2.329	2.768	1788.3E6	826.7E6	211.364M4	203.798
7)	t	delta-BHC	2.464	3.049	4521.8E6	2116.5E6	215.890M3	215.108
8)	t	Heptachlor	2.634	3.120	3748.8E6	1953.6E6	202.732M4	206.044
9)	t	Aldrin	2.888	3.454	4006.7E6	1858.6E6	208.425M3	211.750M4
10)	t	Alachlor	3.011	3.328	460.3E6	231.9E6	185.733M3	182.689M4
11)	t	Chlorpyrifos	3.106	3.698	1667.0E6	852.4E6	190.749M4	189.040

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 14:22
Operator : PEST11:akm
Sample : il10pest,42e,,pp 11941 L0.2
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 11:47:56 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 11:47:48 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.453	4.094	3530.5E6	1703.7E6	204.259M3	204.199M4
13)	t	gamma-Chlord	3.581	4.314	3454.2E6	1581.9E6	212.873M3	211.420M4
14)	t	alpha-Chlord	3.720	4.474	3931.8E6	1743.5E6	211.856M3	209.242M4
15)	t	4,4'-DDE	3.818	4.659	3917.6E6	1770.1E6	211.356M4	213.227M3
16)	t	Endosulfan I	3.862	4.533	3406.5E6	1584.8E6	204.726M4	205.317M4
17)	t	Dieldrin	4.129	4.813	3674.3E6	1680.6E6	210.638M4	210.218M3
18)	t	Endrin	4.380	5.102	3554.6E6	1694.8E6	206.507M3	208.568M4
19)	t	4,4'-DDD	4.482	5.215	2939.7E6	1405.7E6	214.749M4	212.920M3
20)	t	Endosulfan I	4.611	5.294	3166.4E6	1469.1E6	205.135M4	205.912M4
21)	t	4,4'-DDT	4.765	5.487	3100.5E6	1578.8E6	216.251M4	212.142M3
22)	t	Endrin Aldeh	5.016	5.584	2653.1E6	1228.4E6	204.114M4	203.339M4
23)	t	Methoxychlor	5.236	6.041	1443.1E6	769.0E6	193.301M4	197.878M4
24)	t	Mirex	5.301	6.187	2726.5E6	1148.9E6	204.868M3	200.079M4
25)	t	Endosulfan S	5.399	5.809	3150.2E6	1417.6E6	205.866M3	206.102M3
26)	t	Endrin Keton	5.623	6.218	3052.1E6	1526.6E6	199.621M3	204.599M4
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 14:22
Operator : PEST11:akm
Sample : il10pest,42e,,pp 11941 L0.2
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 11:47:56 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 11:47:48 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

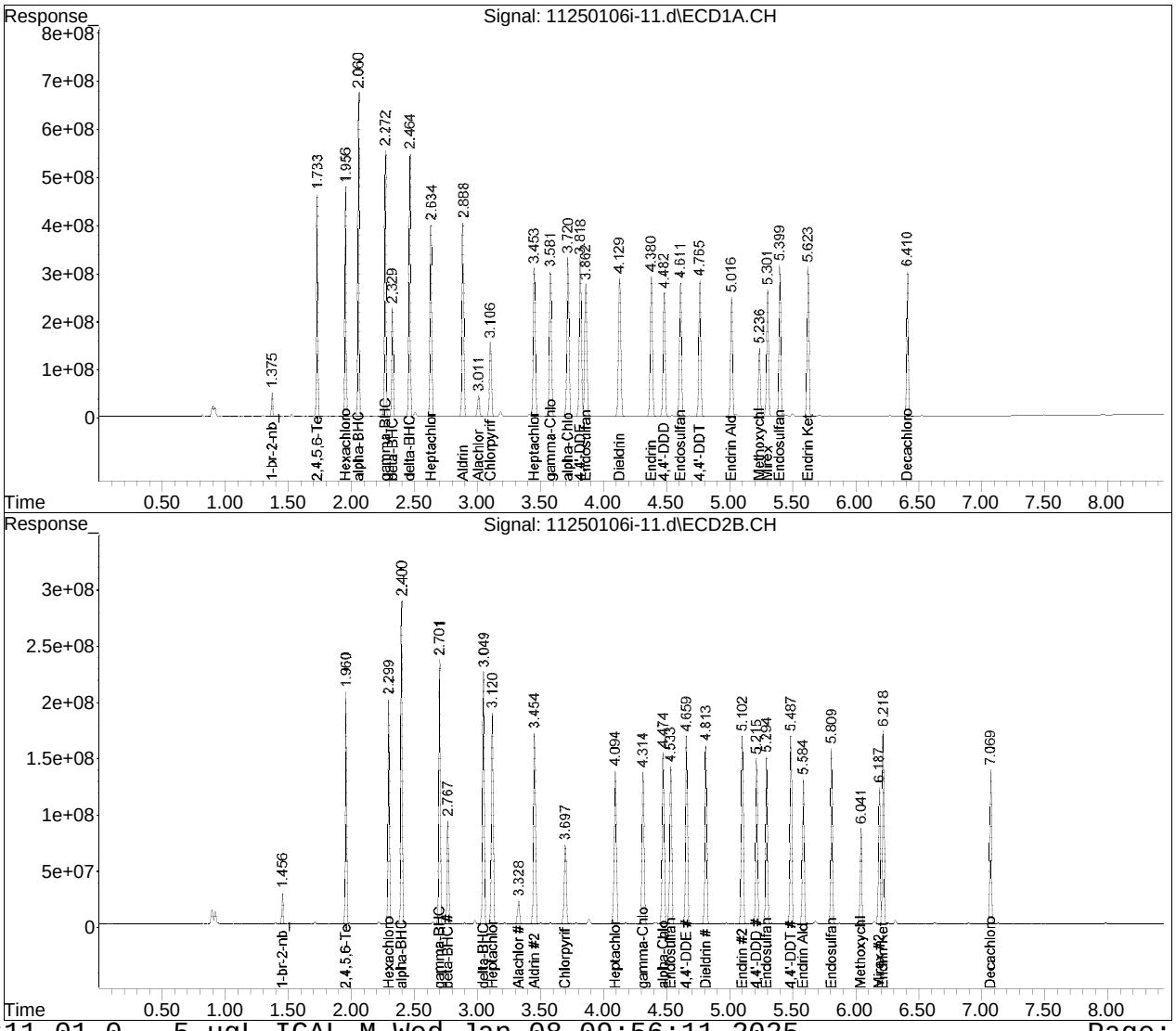
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 14:22
Operator : PEST11:akm
Sample : il10pest,42e,,pp 11941 L0.2
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 11:47:56 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 11:47:48 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

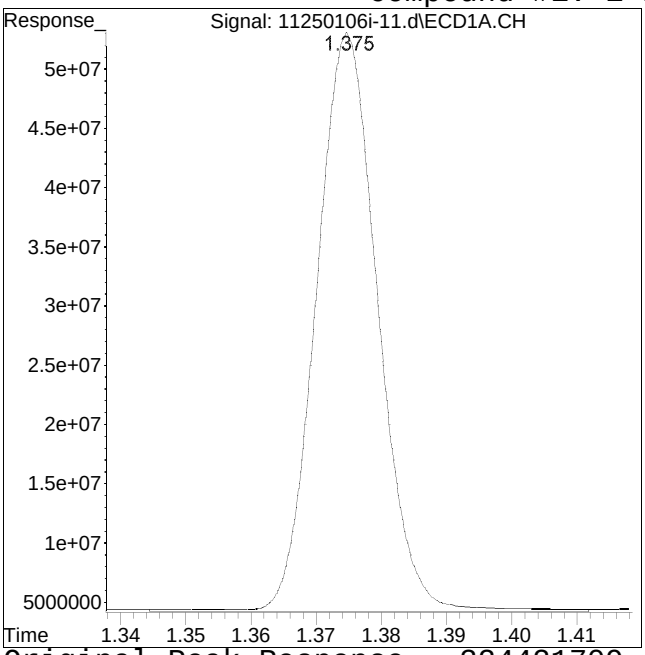
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

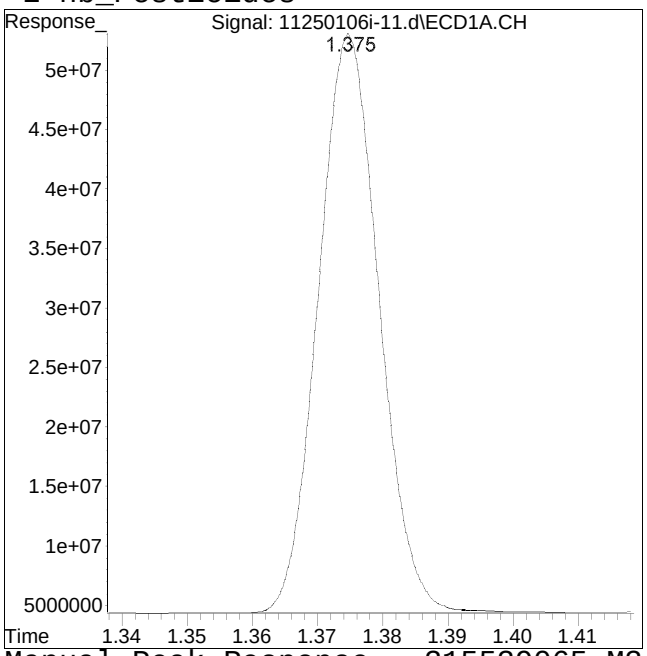


Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-11.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:22 Instrument : Pest 11
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:47 am

Compound #1: 1-br-2-nb_Pesticides





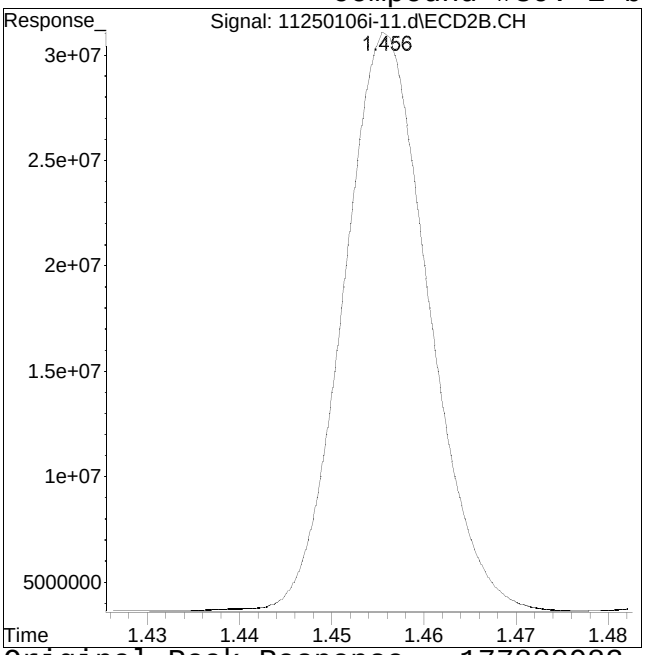
Original Peak Response = 324421709 Manual Peak Response = 315539065 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

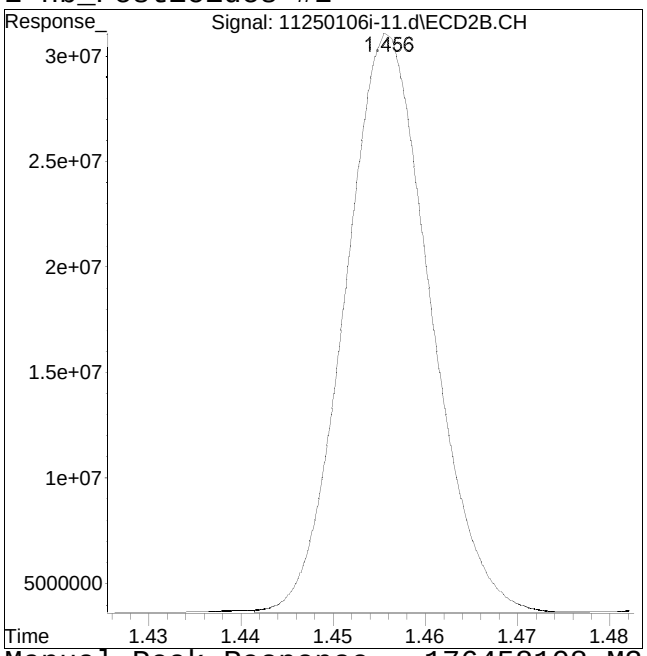
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-11.d
Date Inj'd : 1/6/2025 14:22
Sample : il10pest,42e,,pp 11941 L0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:47 am

Compound #39: 1-br-2-nb_Pesticides #2





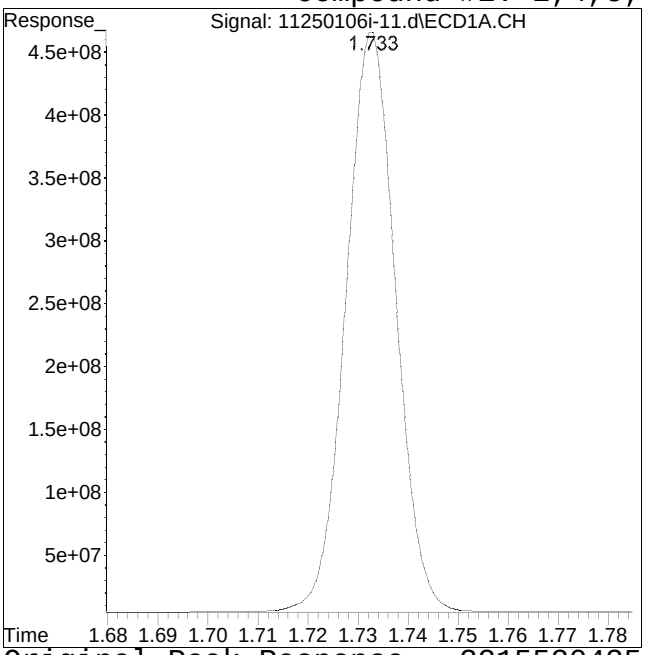
Original Peak Response = 177829983 Manual Peak Response = 176458108 M3

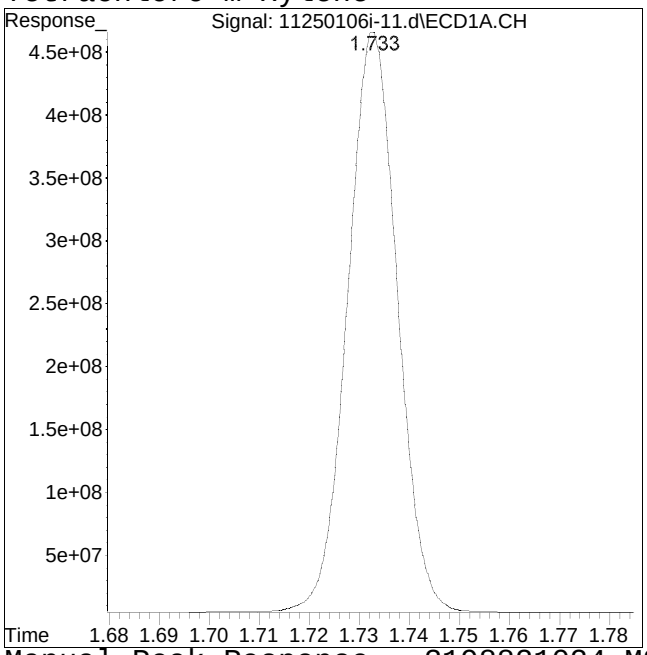
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-11.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:22 Instrument : Pest 11
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:47 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



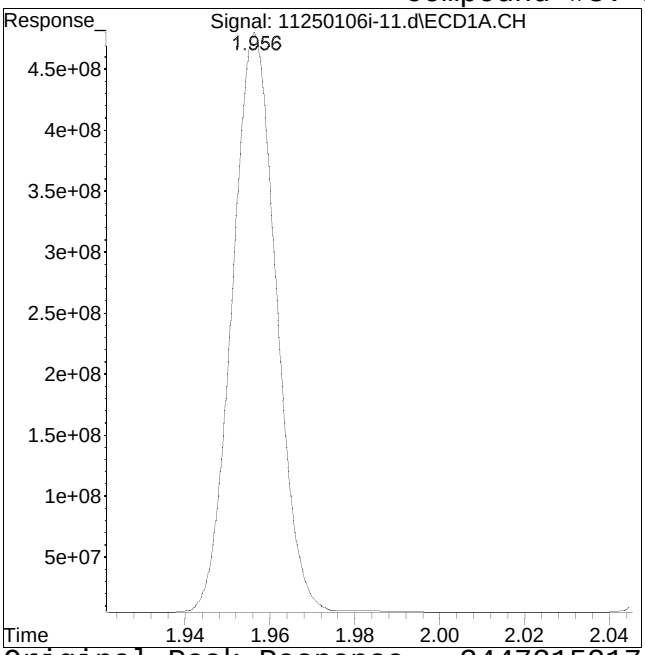


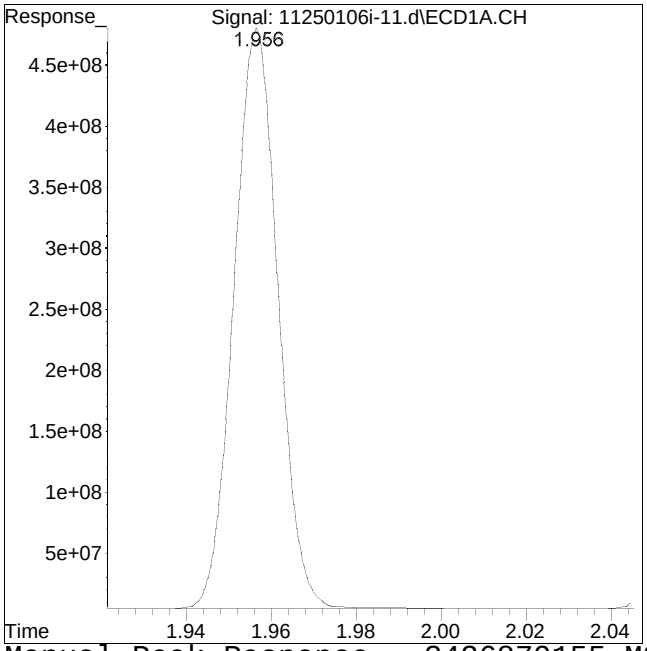
Original Peak Response = 3215520435 Manual Peak Response = 3198821024 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-11.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:22 Instrument : Pest 11
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:47 am

Compound #3: Hexachlorobenzene



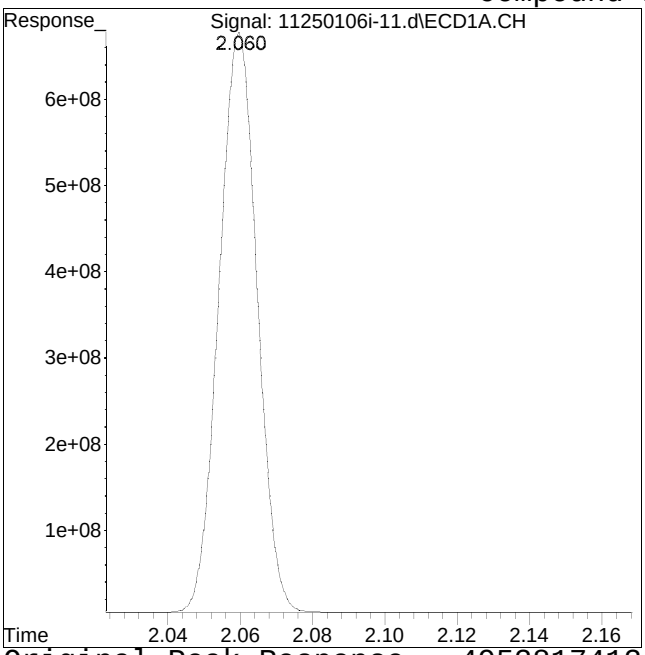


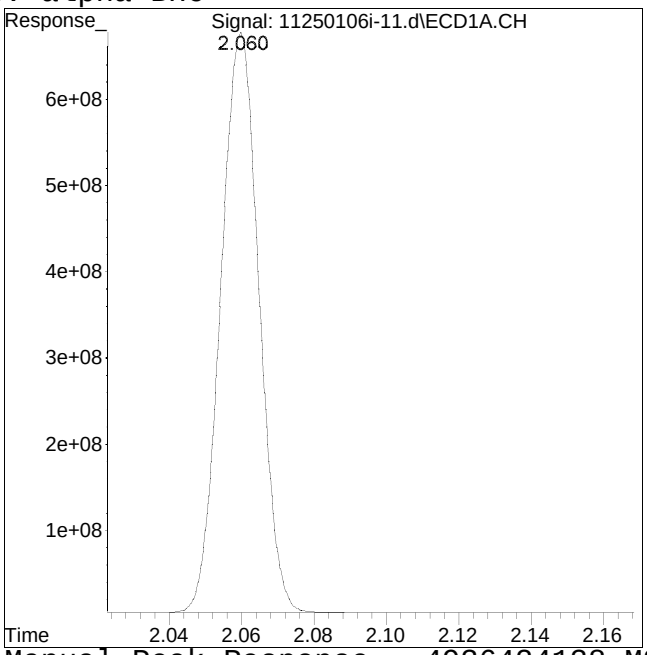
Original Peak Response = 3447215217 Manual Peak Response = 3426879155 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-11.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:22 Instrument : Pest 11
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:47 am

Compound #4: alpha-BHC



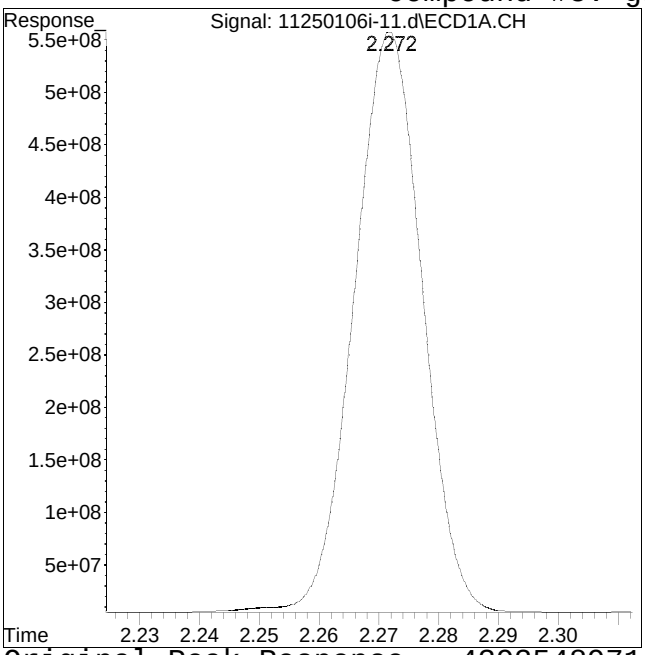


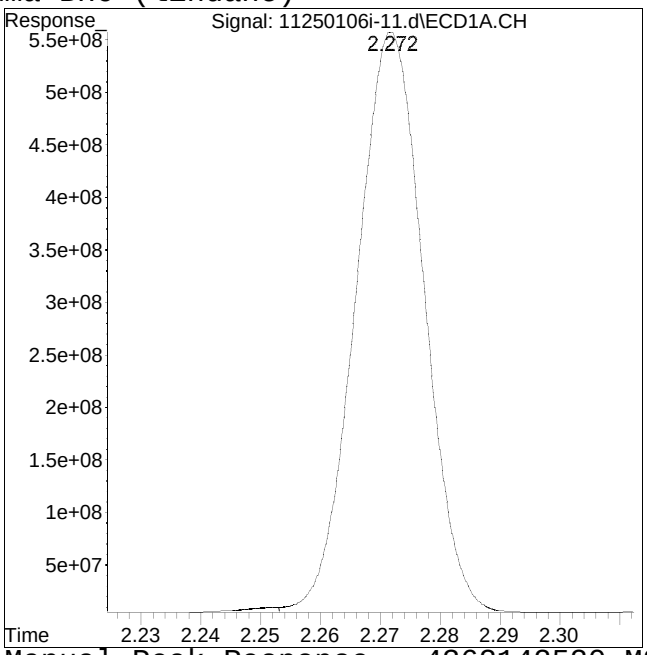
Original Peak Response = 4953817413 Manual Peak Response = 4936424138 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-11.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:22 Instrument : Pest 11
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:47 am

Compound #5: gamma-BHC (lindane)





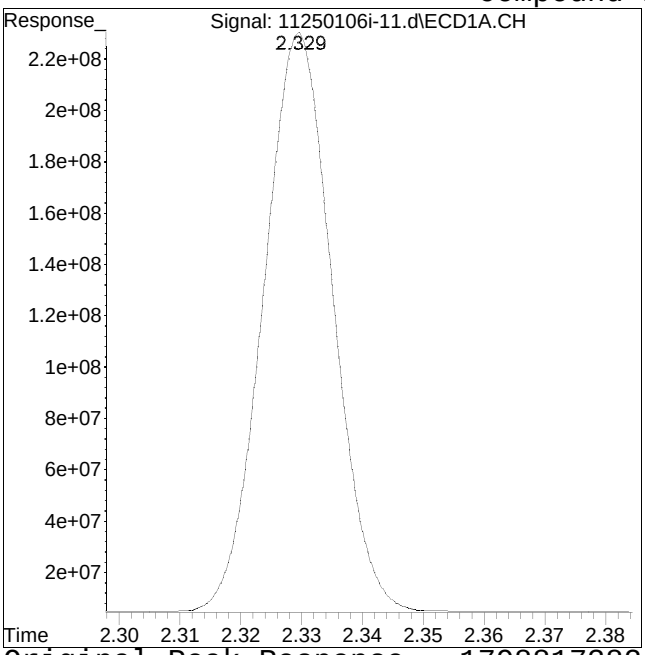
Original Peak Response = 4393548971 Manual Peak Response = 4362142520 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

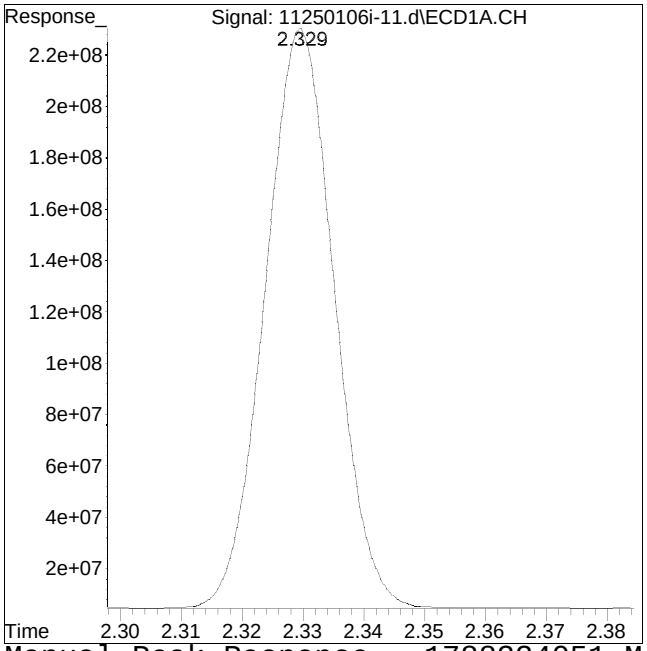
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-11.d
Date Inj'd : 1/6/2025 14:22
Sample : il10pest,42e,,pp 11941 L0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:47 am

Compound #6: beta-BHC



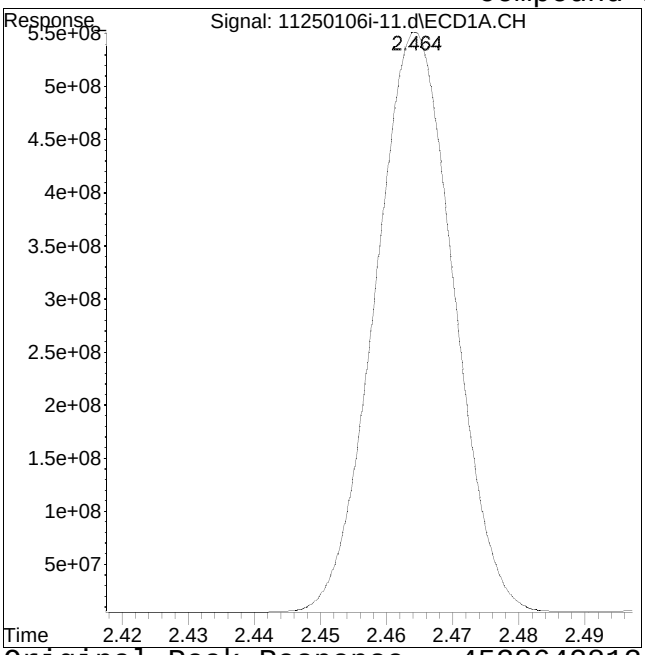


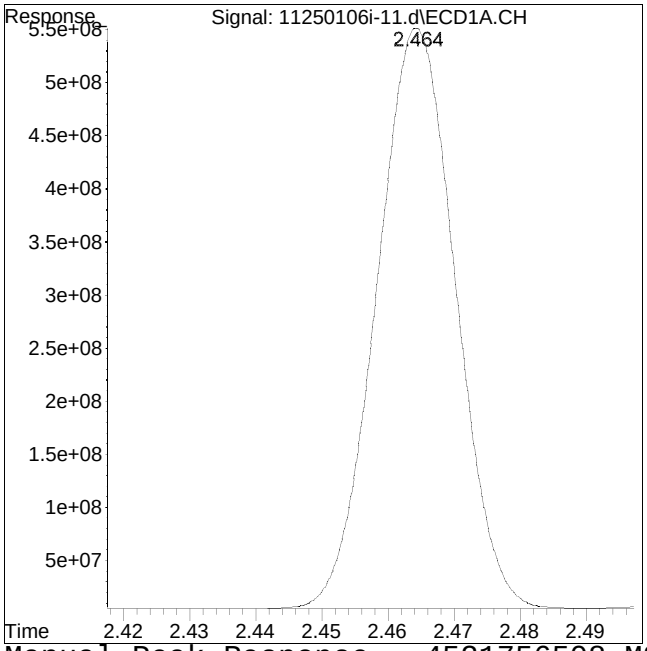
Original Peak Response = 1798817382 Manual Peak Response = 1788334051 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-11.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:22 Instrument : Pest 11
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:47 am

Compound #7: delta-BHC





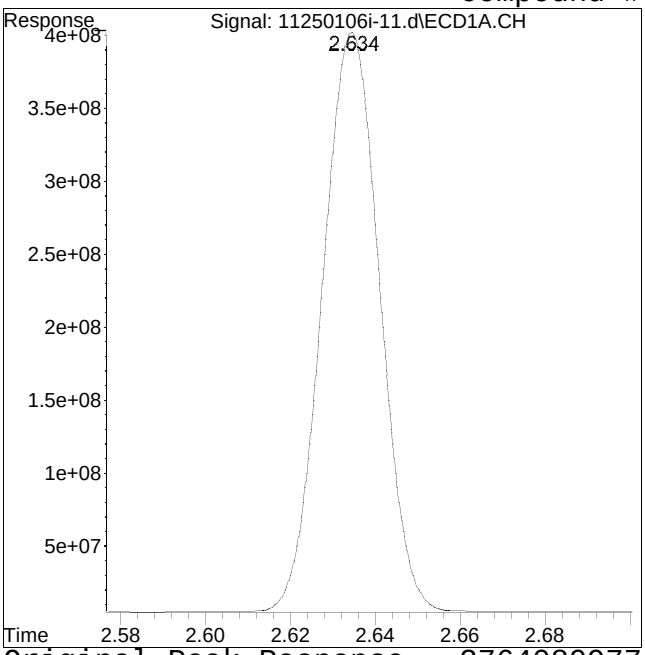
Original Peak Response = 4532642813 Manual Peak Response = 4521756508 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

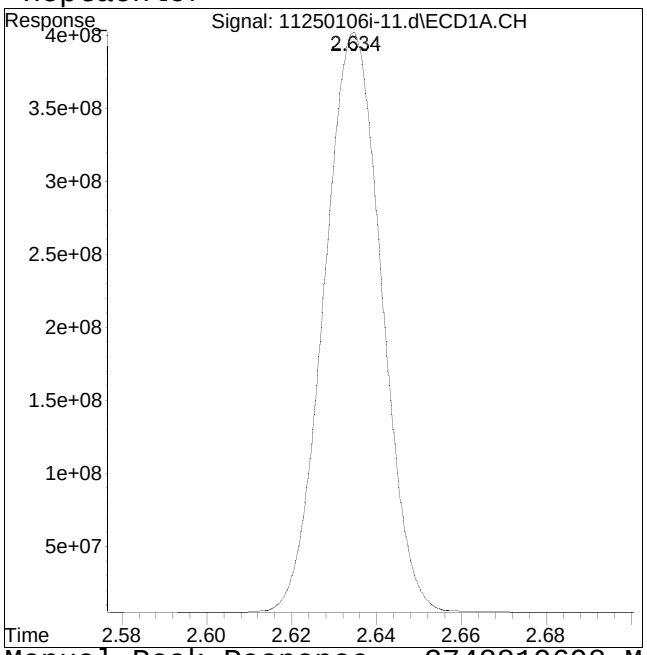
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-11.d
Date Inj'd : 1/6/2025 14:22
Sample : il10pest,42e,,pp 11941 L0.

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:47 am

Compound #8: Heptachlor





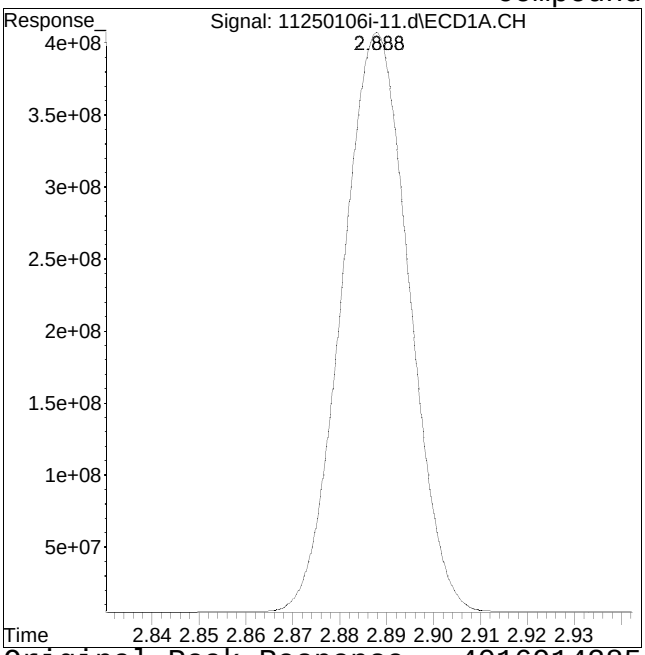
Original Peak Response = 3764089977 Manual Peak Response = 3748819698 M4
M4 = Poor automated baseline construction.

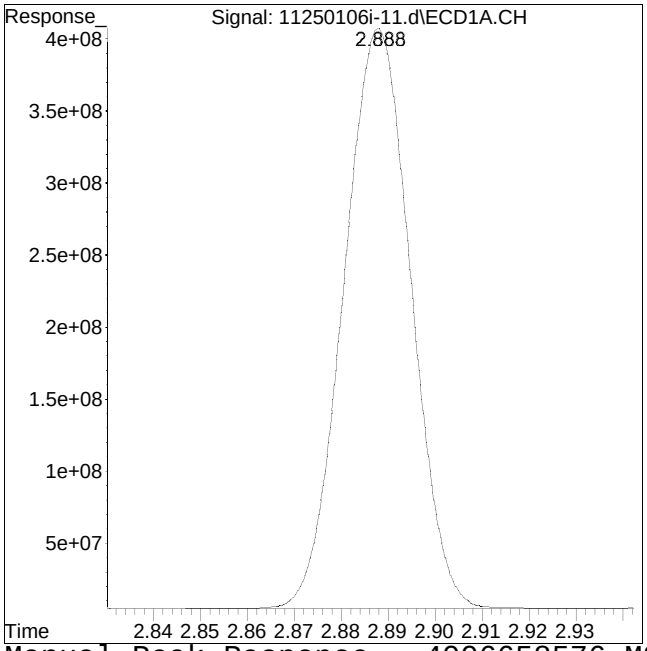
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-11.d
Date Inj'd : 1/6/2025 14:22
Sample : il10pest,42e,,pp 11941 L0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:47 am

Compound #9: Aldrin





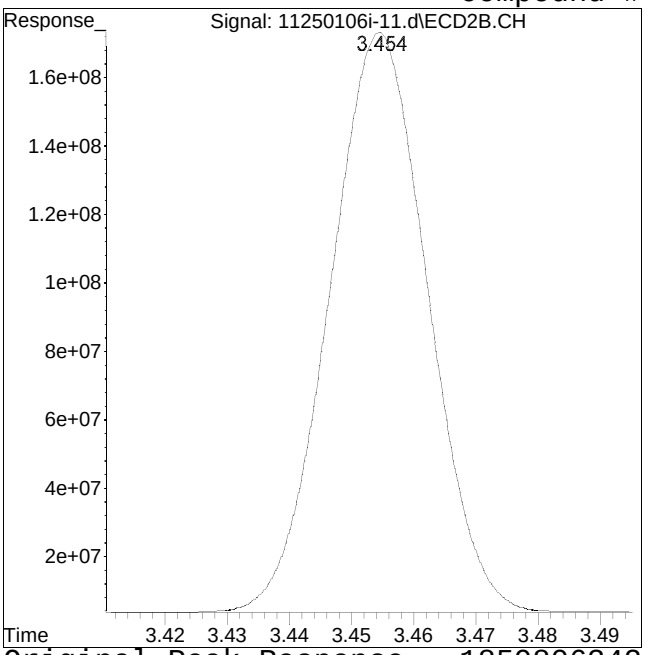
Original Peak Response = 4016914285 Manual Peak Response = 4006658576 M3

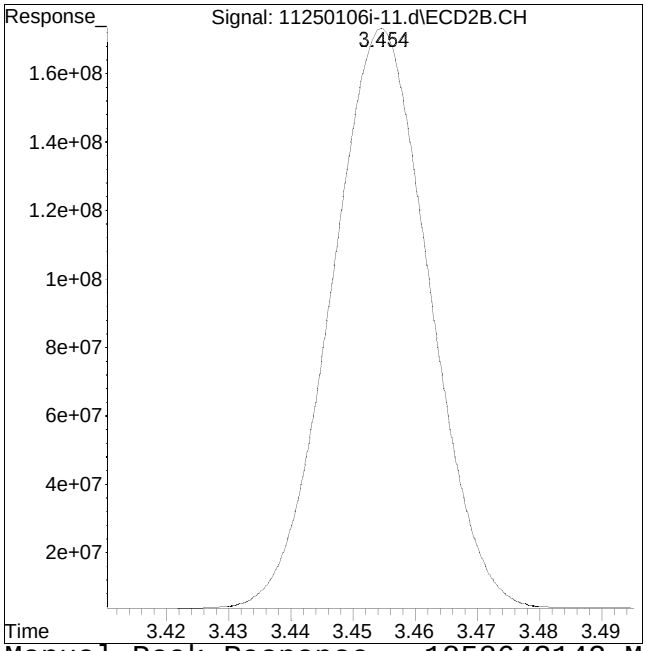
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-11.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:22 Instrument : Pest 11
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:47 am

Compound #47: Aldrin #2



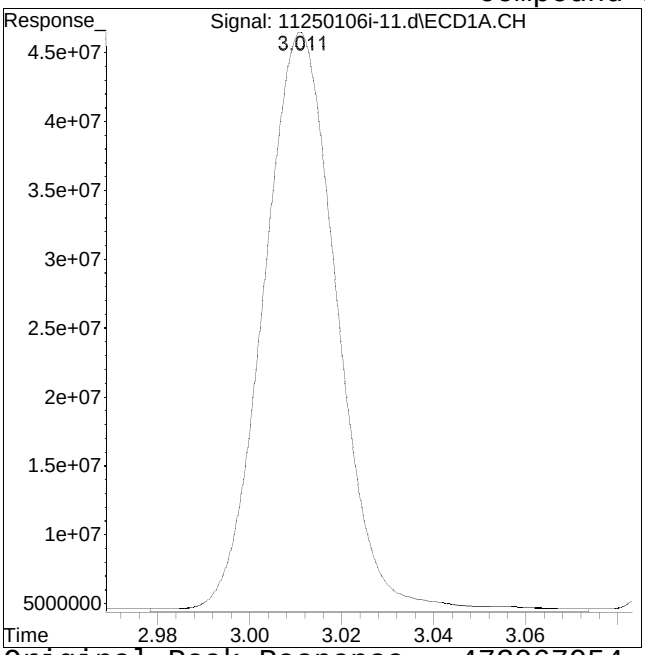


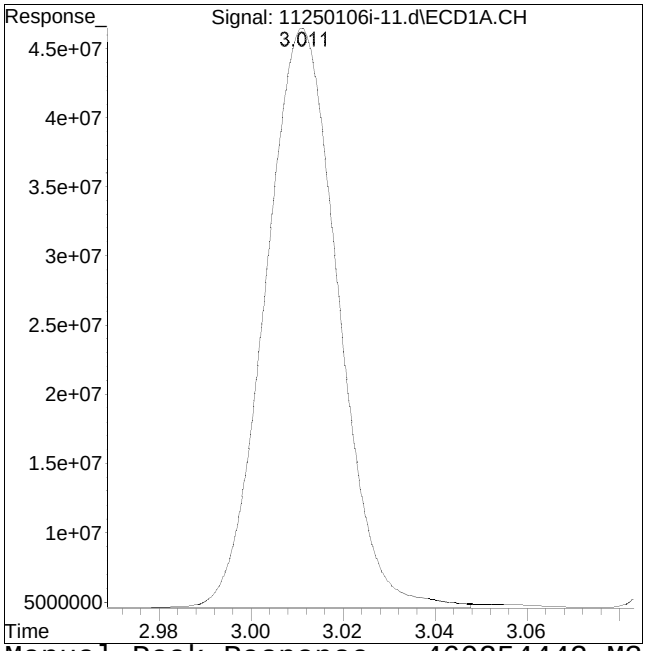
Original Peak Response = 1859806342 Manual Peak Response = 1858642142 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-11.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:22 Instrument : Pest 11
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:47 am

Compound #10: Alachlor



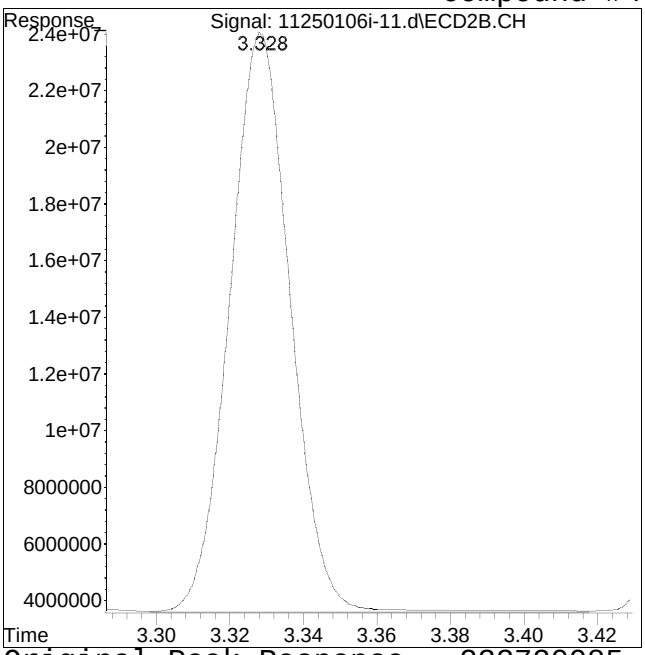


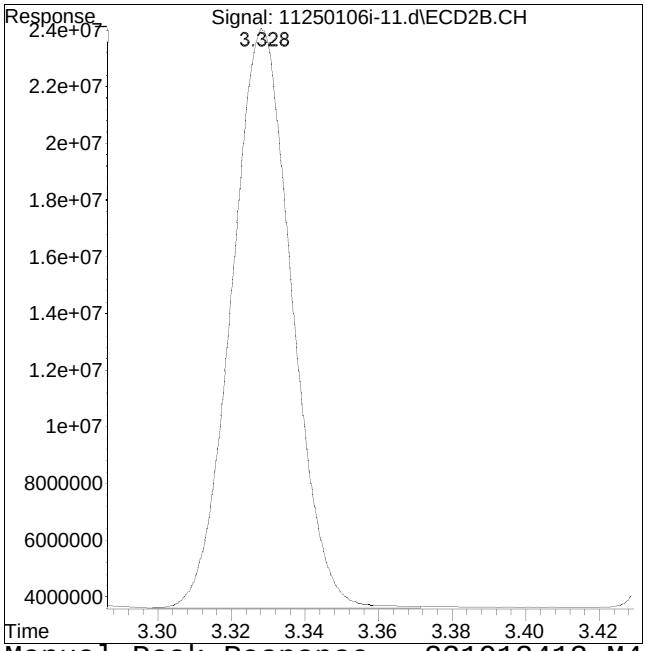
Original Peak Response = 473067954 Manual Peak Response = 460254442 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-11.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:22 Instrument : Pest 11
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:47 am

Compound #48: Alachlor #2



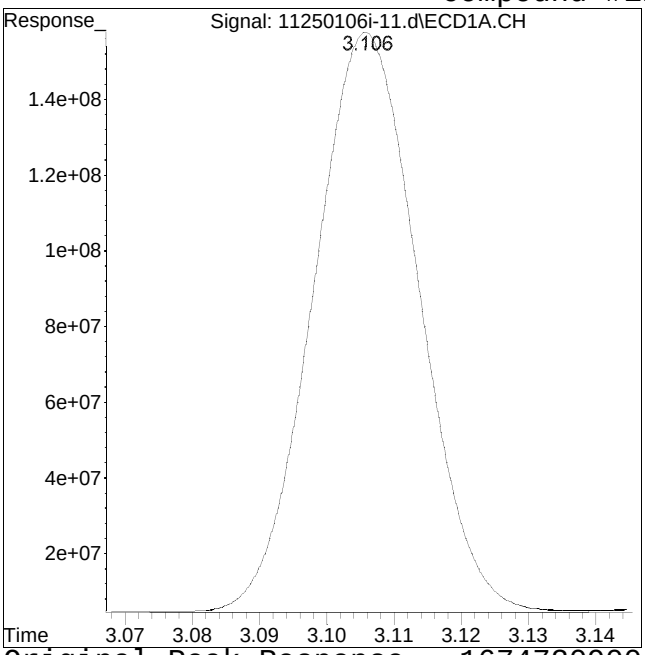


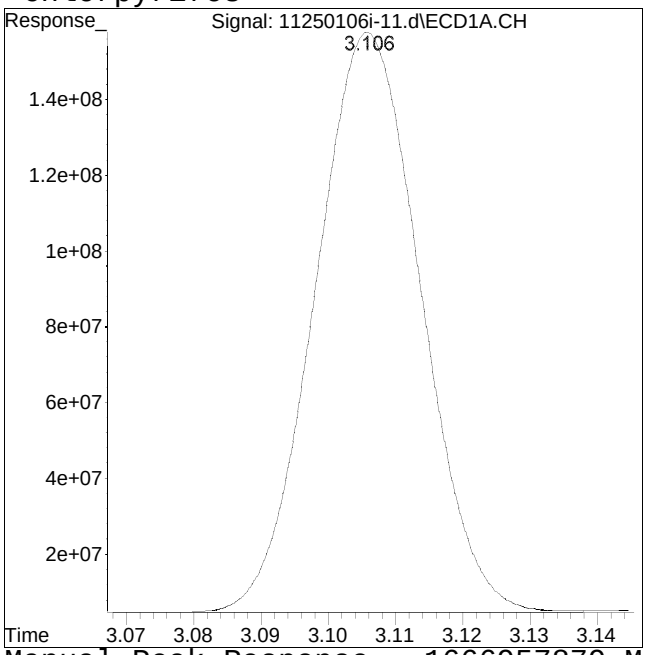
Original Peak Response = 233720985 Manual Peak Response = 231912413 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-11.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:22 Instrument : Pest 11
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:47 am

Compound #11: Chlorpyrifos



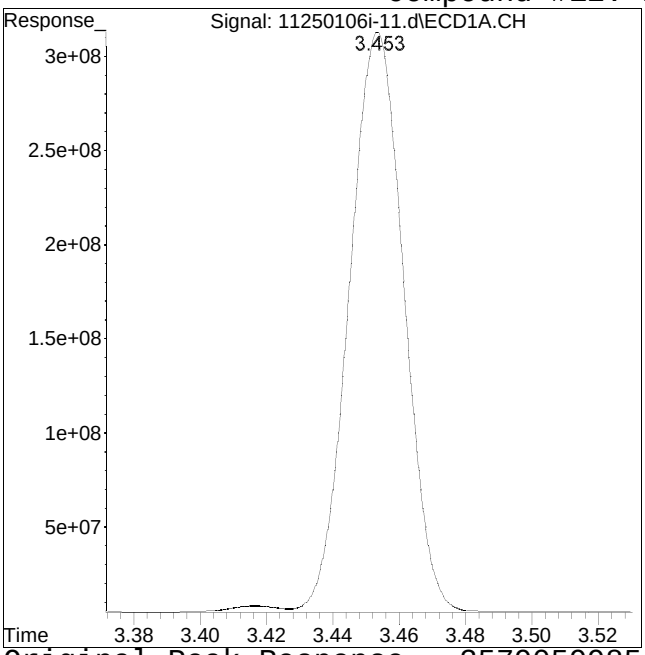


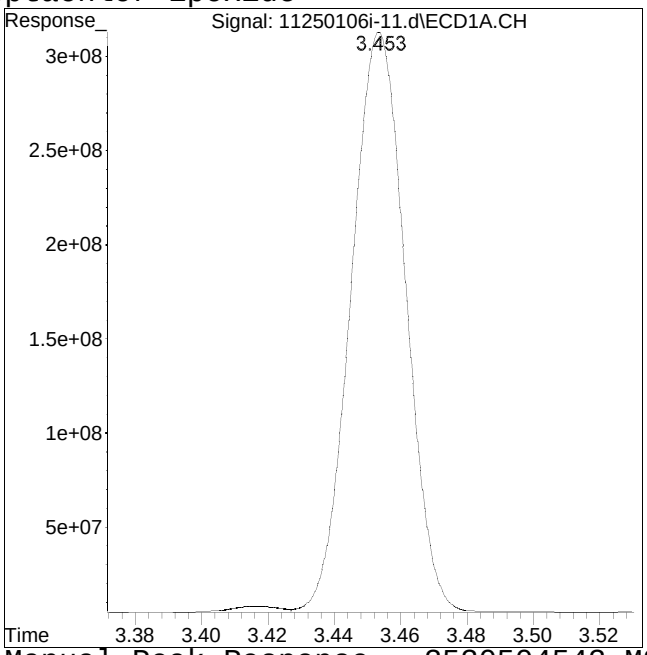
Original Peak Response = 1674720900 Manual Peak Response = 1666957879 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-11.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:22 Instrument : Pest 11
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:47 am

Compound #12: Heptachlor Epoxide



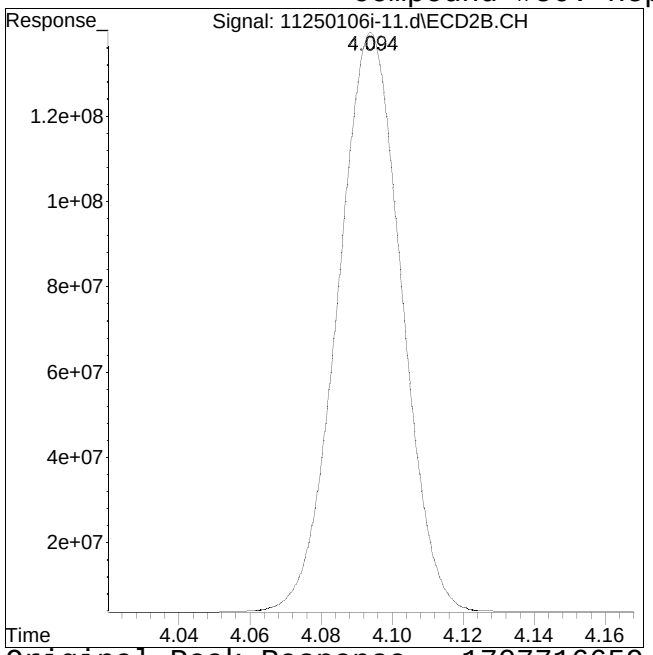


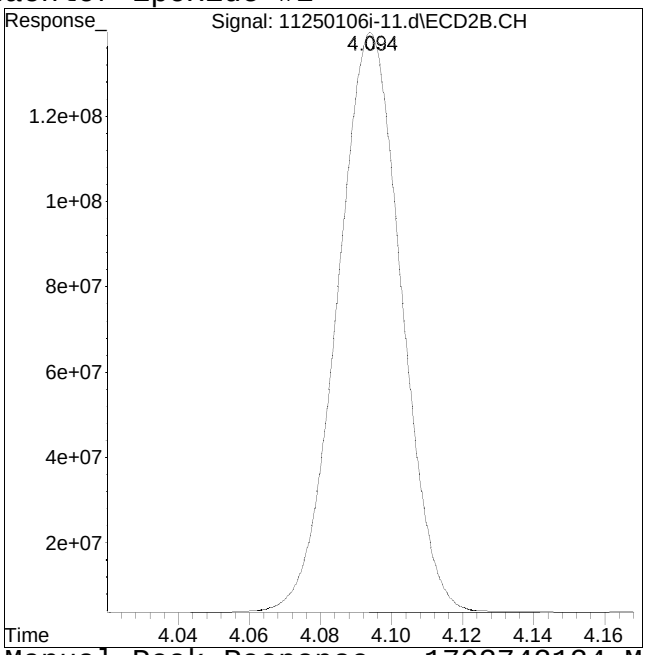
Original Peak Response = 3579059985 Manual Peak Response = 3530504543 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-11.d
Date Inj'd : 1/6/2025 14:22
Sample : il10pest,42e,,pp 11941 L0.
Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:47 am

Compound #50: Heptachlor Epoxide #2



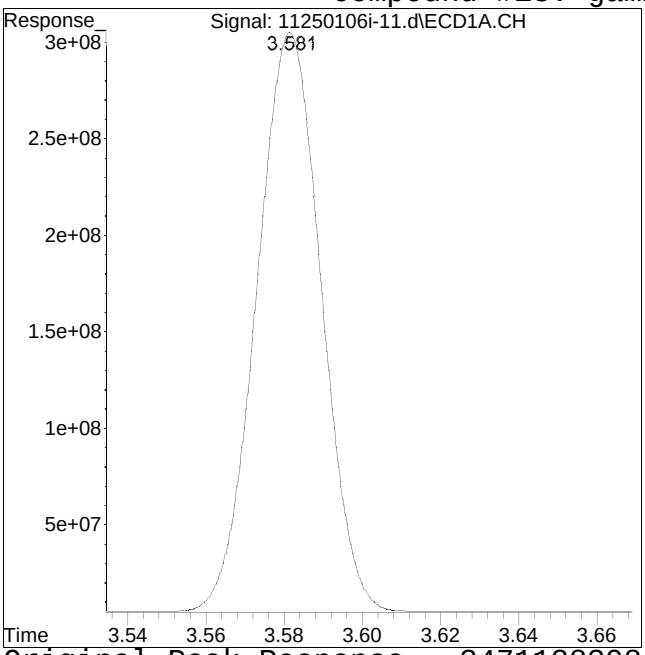


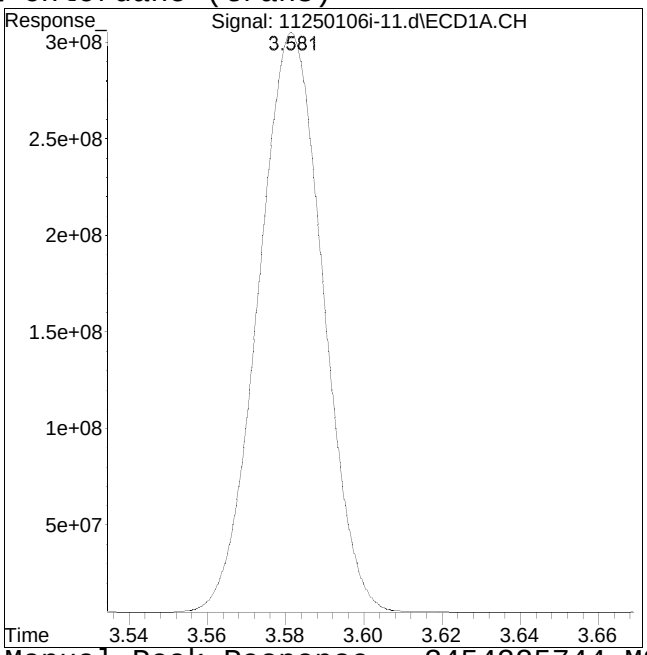
Original Peak Response = 1707716659 Manual Peak Response = 1703742124 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-11.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:22 Instrument : Pest 11
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:47 am

Compound #13: gamma-Chlordane (trans)





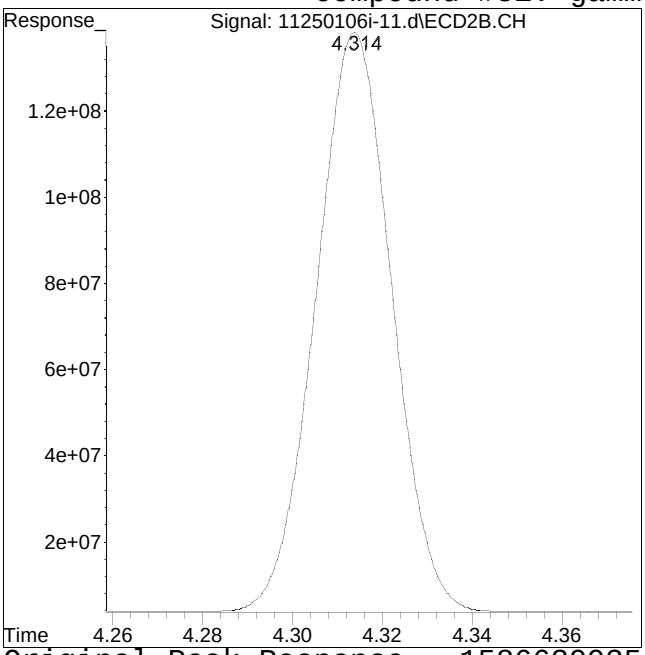
Original Peak Response = 3471128398 Manual Peak Response = 3454225744 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

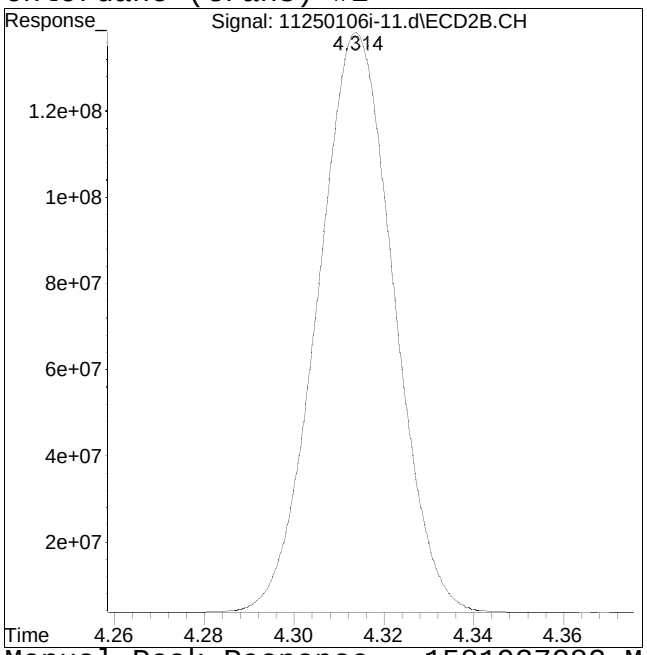
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-11.d
Date Inj'd : 1/6/2025 14:22
Sample : il10pest,42e,,pp 11941 L0.

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:47 am

Compound #51: gamma-Chlordane (trans) #2





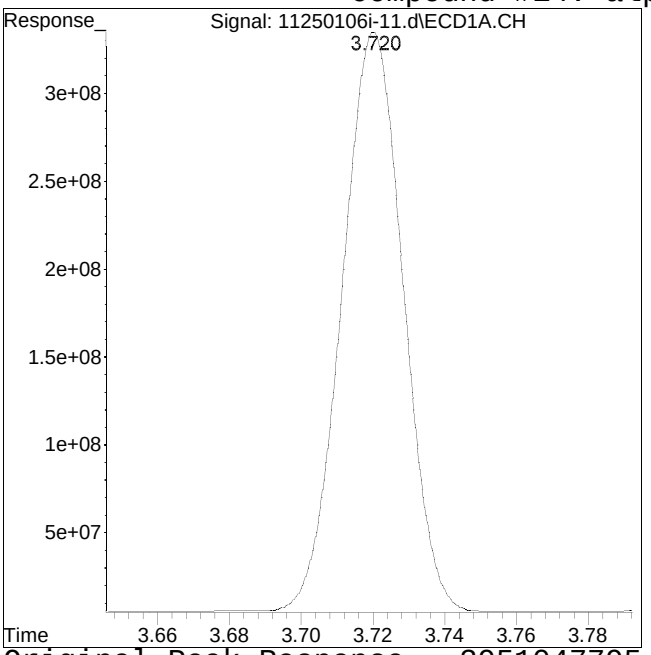
Original Peak Response = 1586639935 Manual Peak Response = 1581937282 M4
M4 = Poor automated baseline construction.

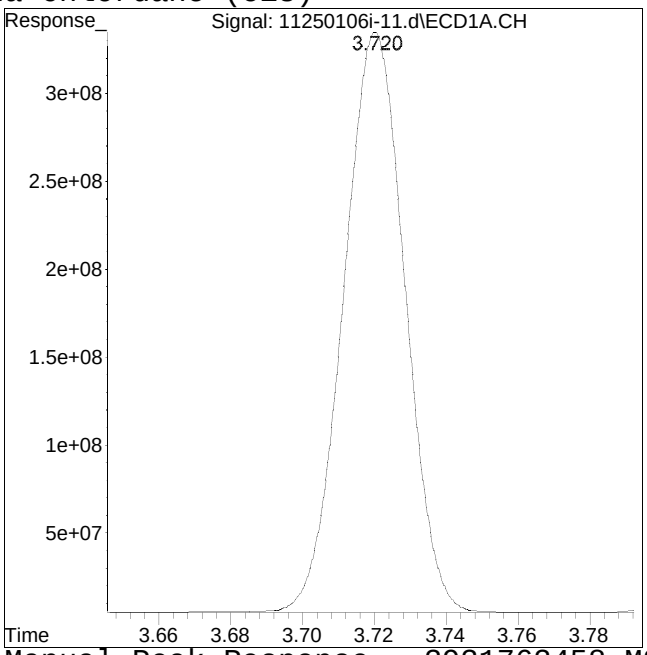
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-11.d
Date Inj'd : 1/6/2025 14:22
Sample : il10pest,42e,,pp 11941 L0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:47 am

Compound #14: alpha-Chlordane (cis)





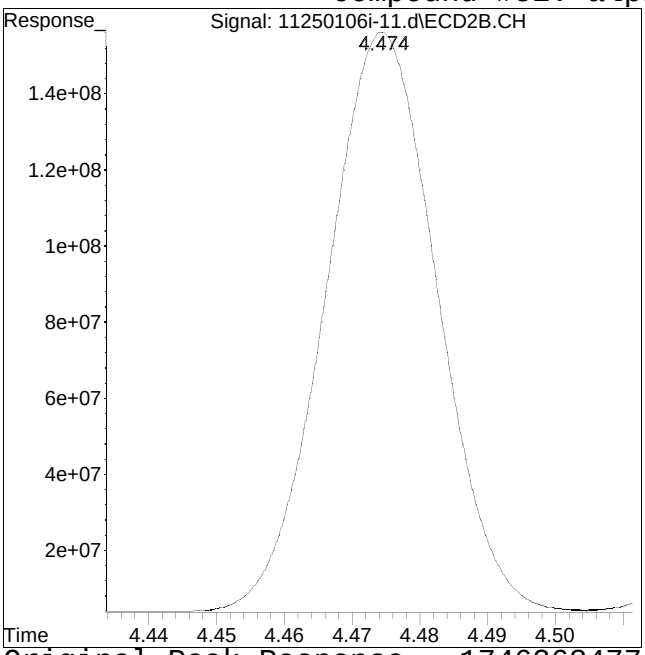
Original Peak Response = 3951047795 Manual Peak Response = 3931763458 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

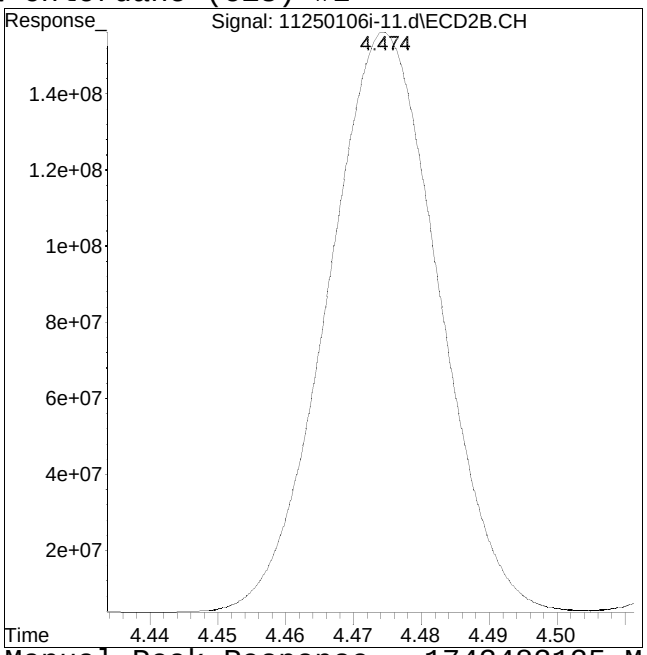
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-11.d
Date Inj'd : 1/6/2025 14:22
Sample : il10pest,42e,,pp 11941 L0.

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:47 am

Compound #52: alpha-Chlordane (cis) #2



Original Peak Response = 1746263477



Manual Peak Response = 1743483125 M4

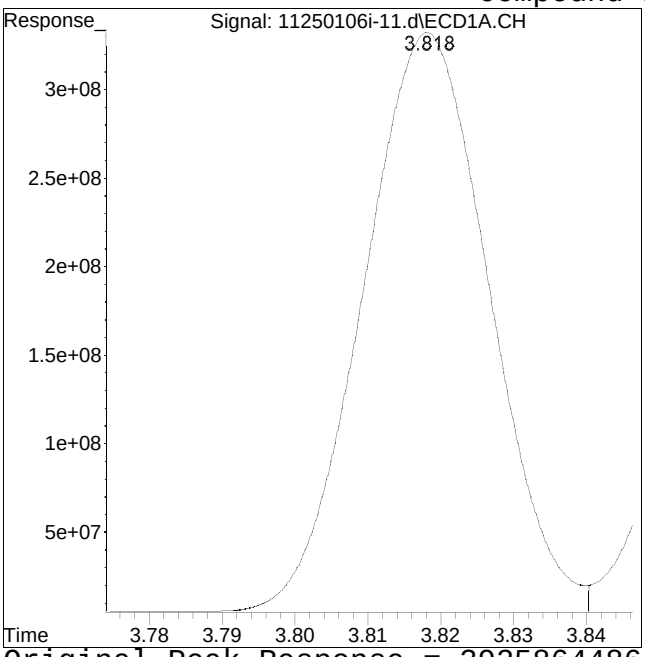
M4 = Poor automated baseline construction.

Manual Integration Report

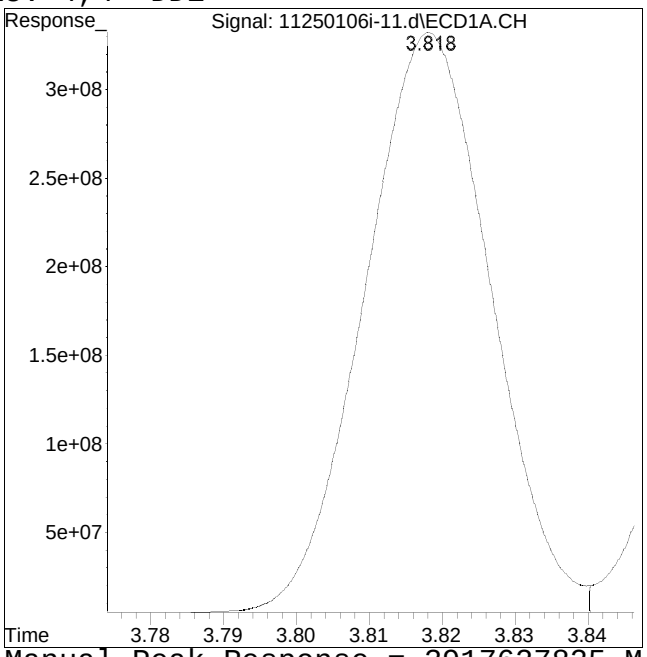
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-11.d
Date Inj'd : 1/6/2025 14:22
Sample : il10pest,42e,,pp 11941 L0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:47 am

Compound #15: 4,4'-DDE



Original Peak Response = 3925864486



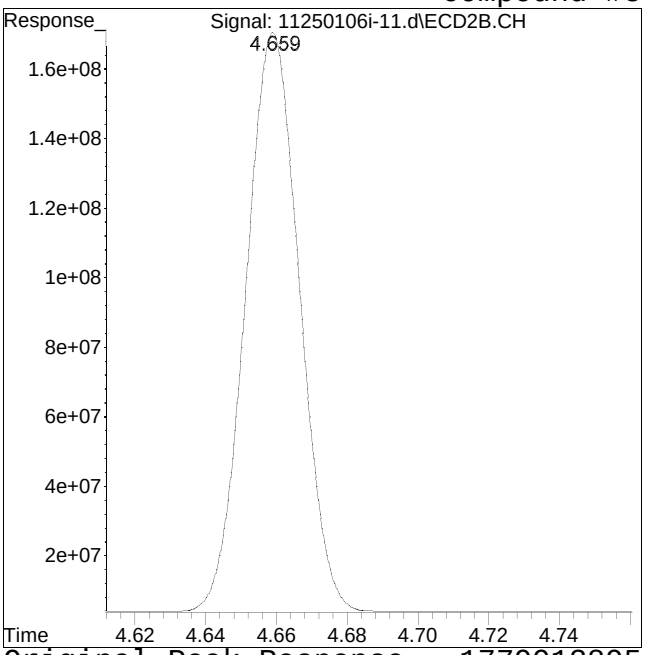
Manual Peak Response = 3917627825 M4

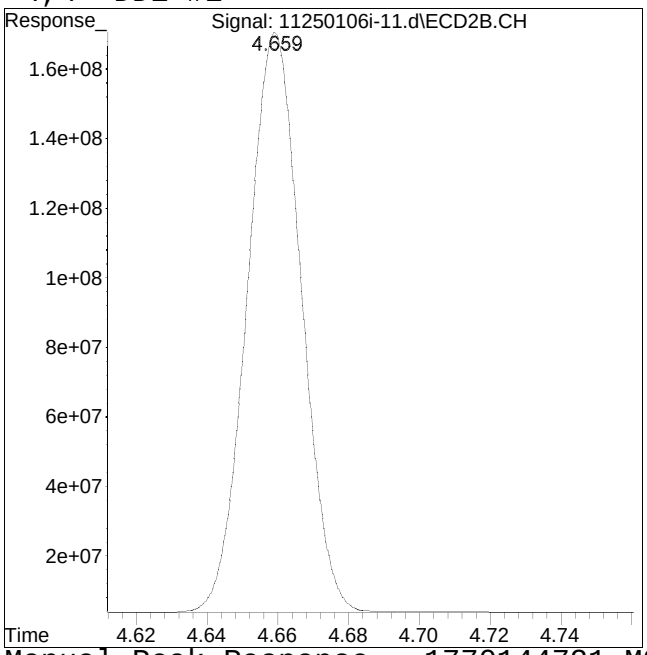
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-11.d
Date Inj'd : 1/6/2025 14:22
Sample : il10pest,42e,,pp 11941 L0
Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:47 am

Compound #53: 4,4'-DDE #2



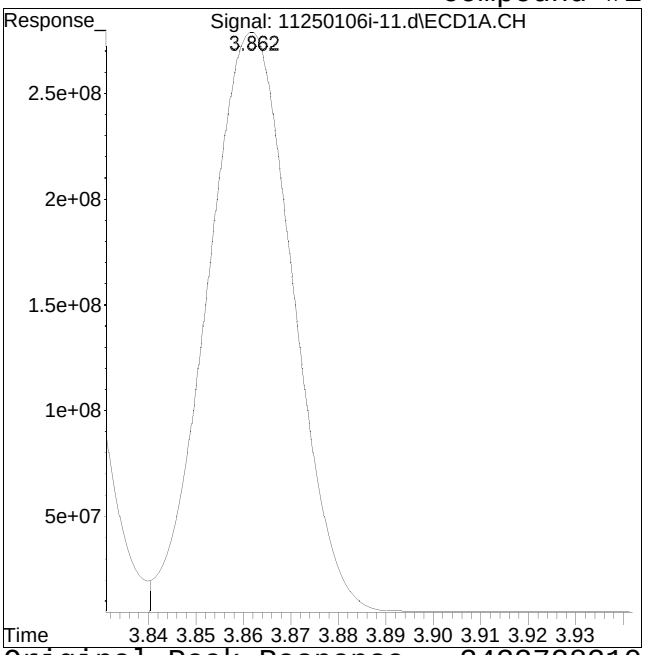


Original Peak Response = 1779913895 Manual Peak Response = 1770144721 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

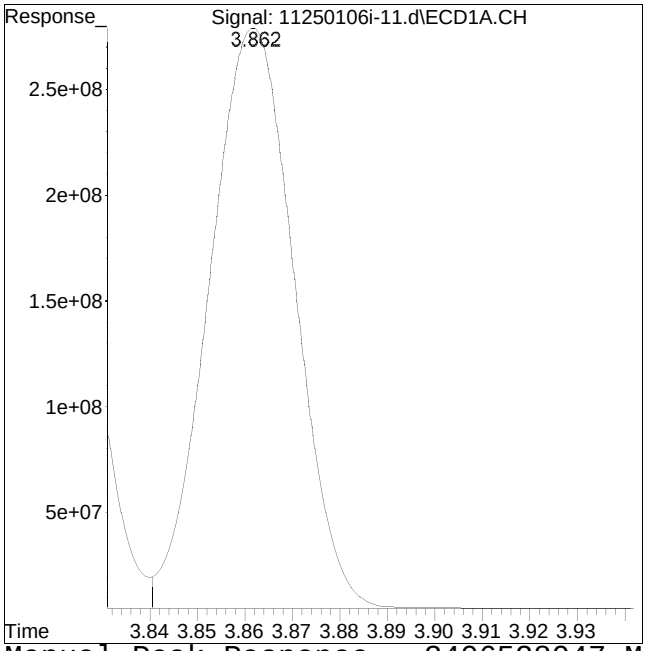
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-11.d
Date Inj'd : 1/6/2025 14:22
Sample : il10pest,42e,,pp 11941 L0.
Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:47 am

Compound #16: Endosulfan I



Original Peak Response = 3433728310



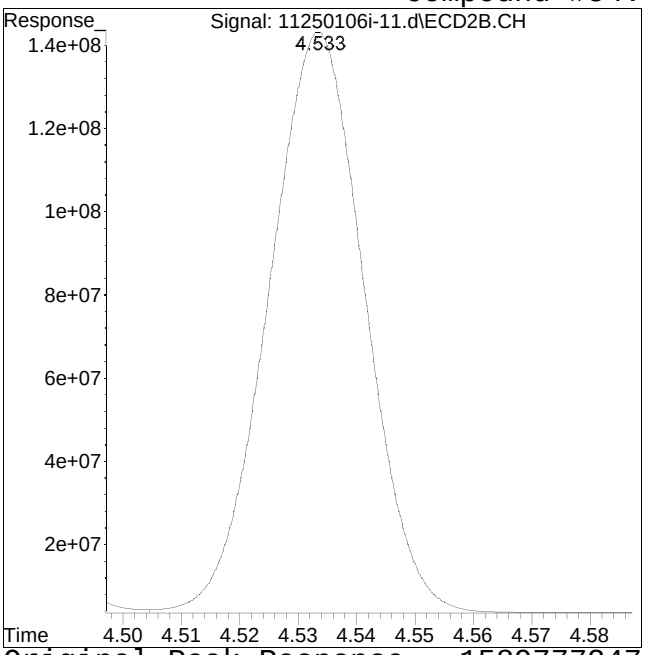
Manual Peak Response = 3406528047 M4

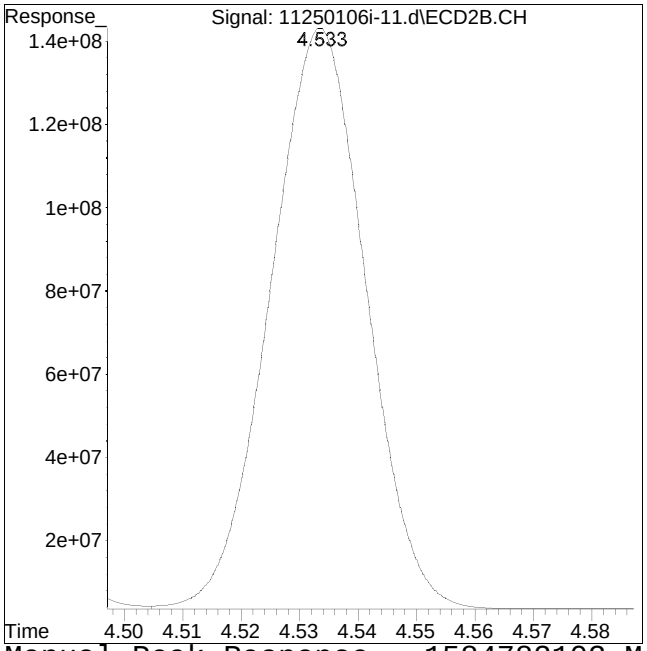
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-11.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:22 Instrument : Pest 11
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:47 am

Compound #54: Endosulfan I #2





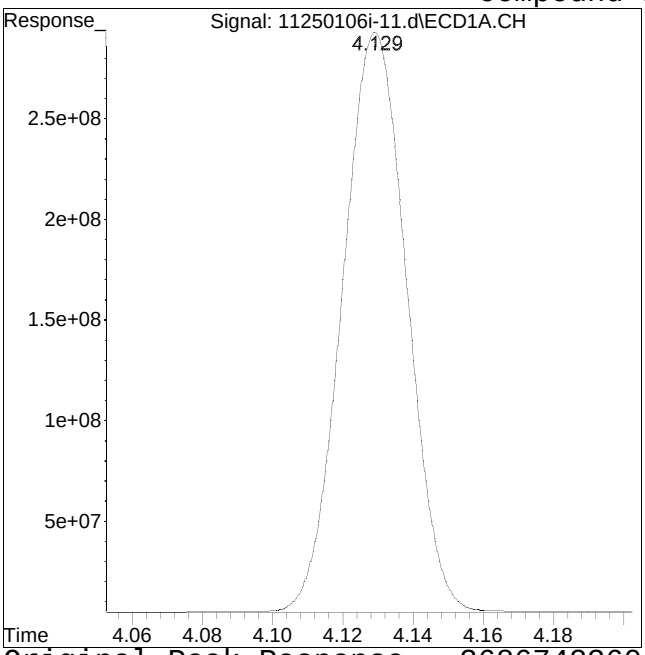
Original Peak Response = 1589777247 Manual Peak Response = 1584782103 M4
M4 = Poor automated baseline construction.

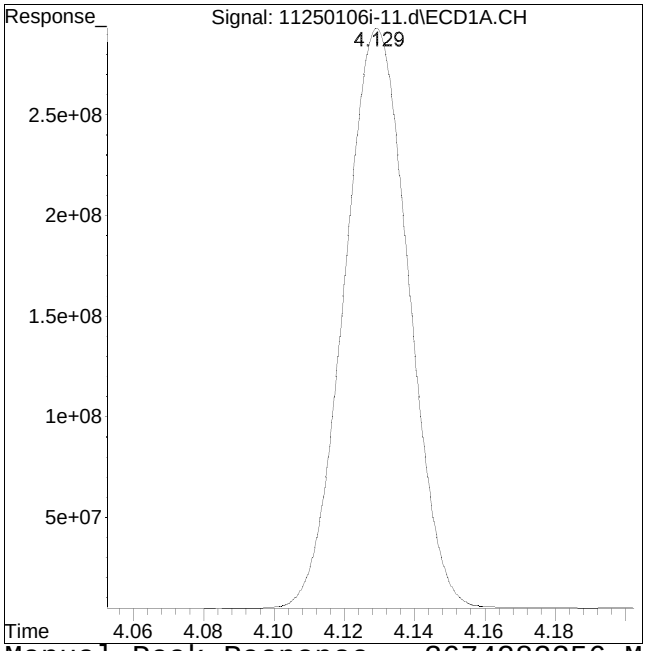
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-11.d
Date Inj'd : 1/6/2025 14:22
Sample : il10pest,42e,,pp 11941 L0.

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:47 am

Compound #17: Dieldrin



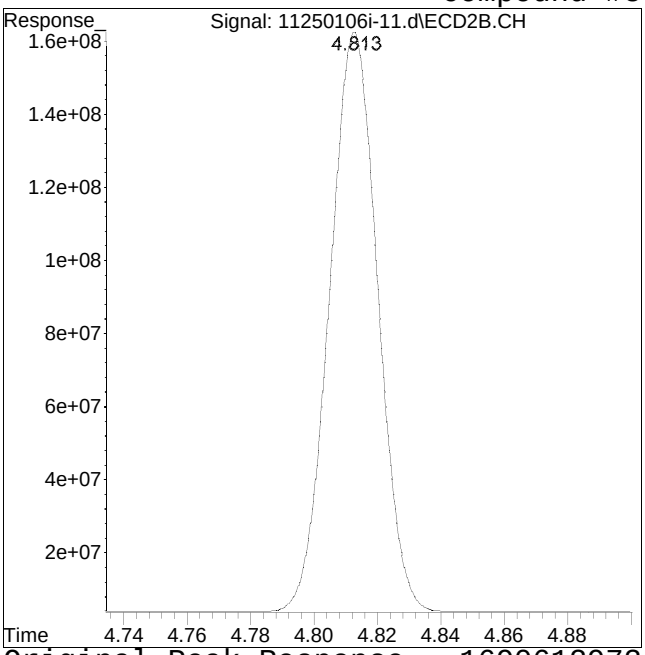


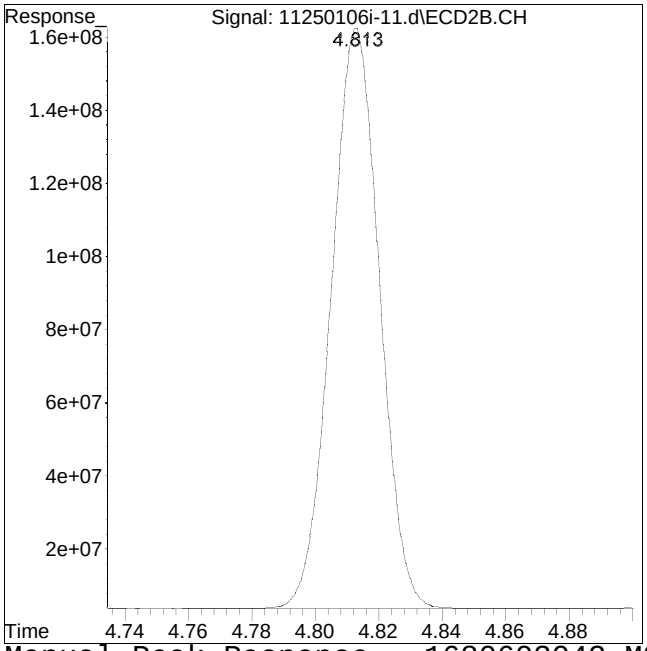
Original Peak Response = 3686742360 Manual Peak Response = 3674282356 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-11.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:22 Instrument : Pest 11
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:47 am

Compound #55: Dieldrin #2



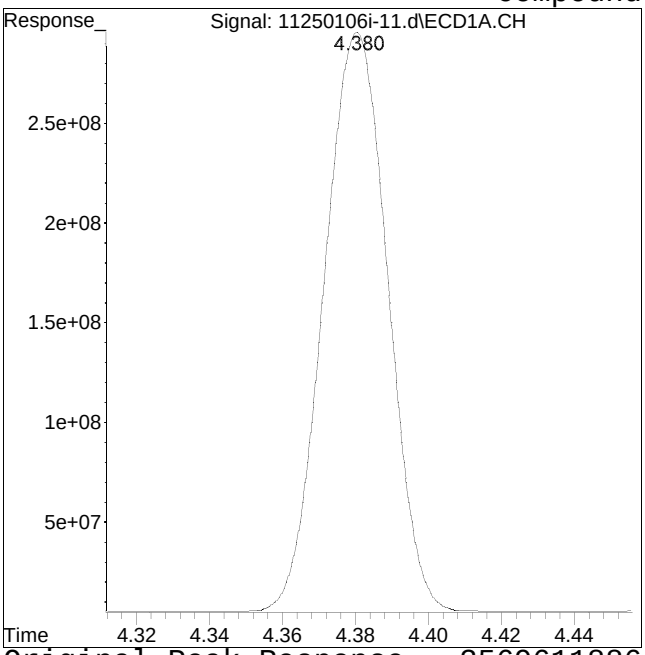


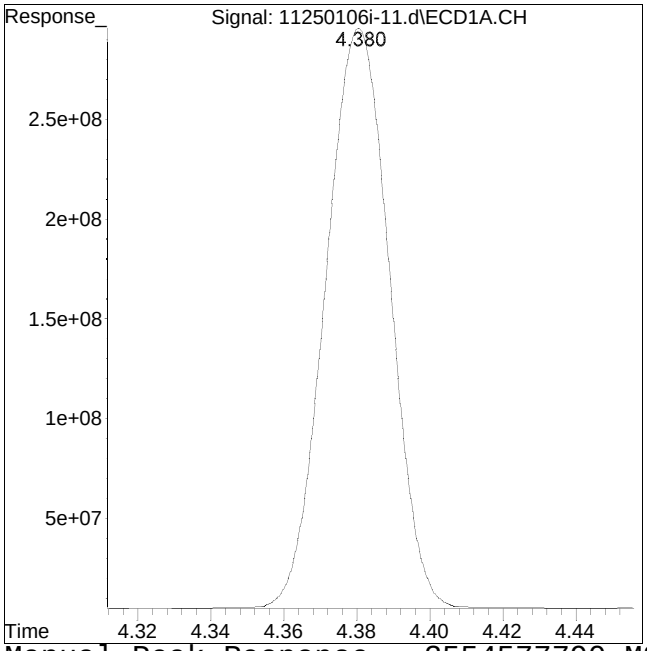
Original Peak Response = 1690612973 Manual Peak Response = 1680603043 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-11.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:22 Instrument : Pest 11
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:47 am

Compound #18: Endrin



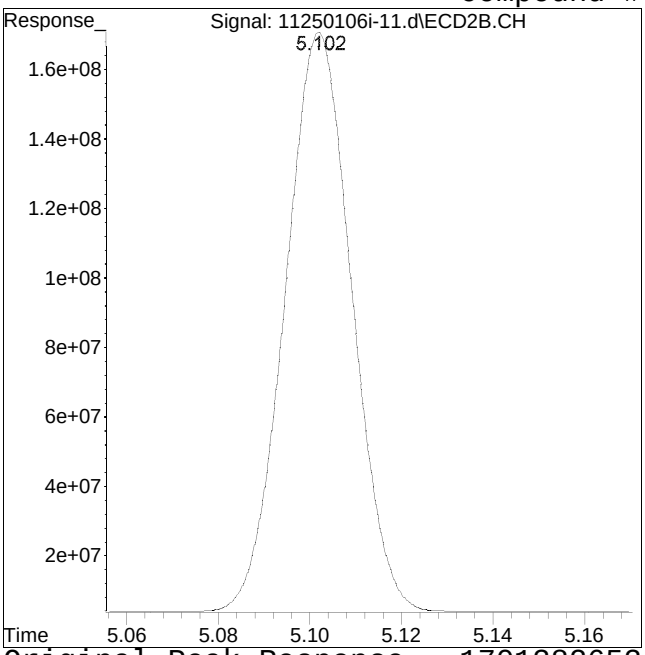


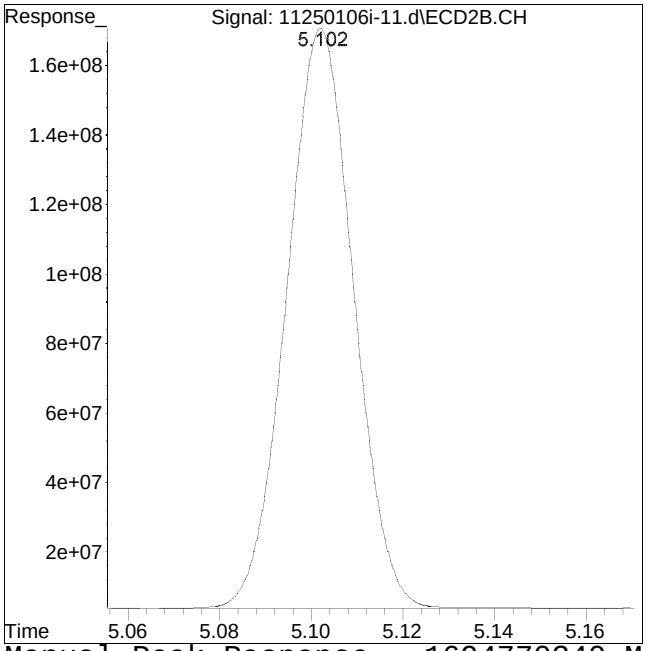
Original Peak Response = 3569611886 Manual Peak Response = 3554577790 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-11.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:22 Instrument : Pest 11
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:47 am

Compound #56: Endrin #2





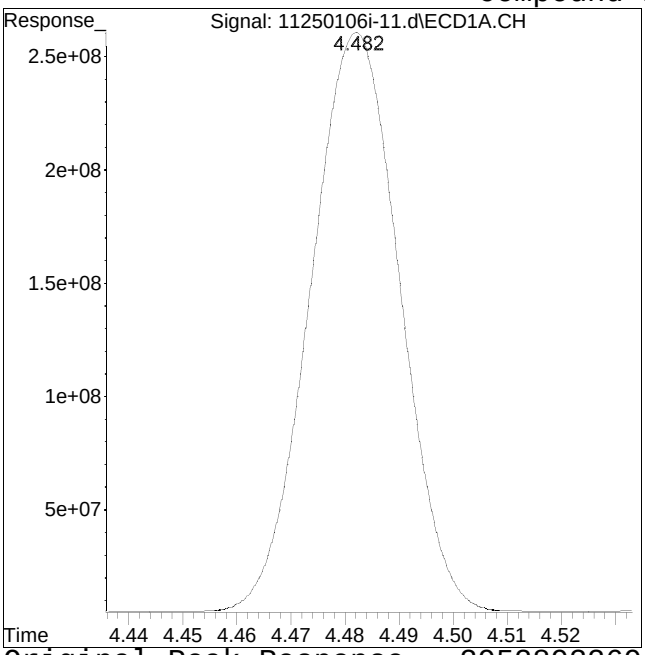
Original Peak Response = 1701382653 Manual Peak Response = 1694770340 M4
M4 = Poor automated baseline construction.

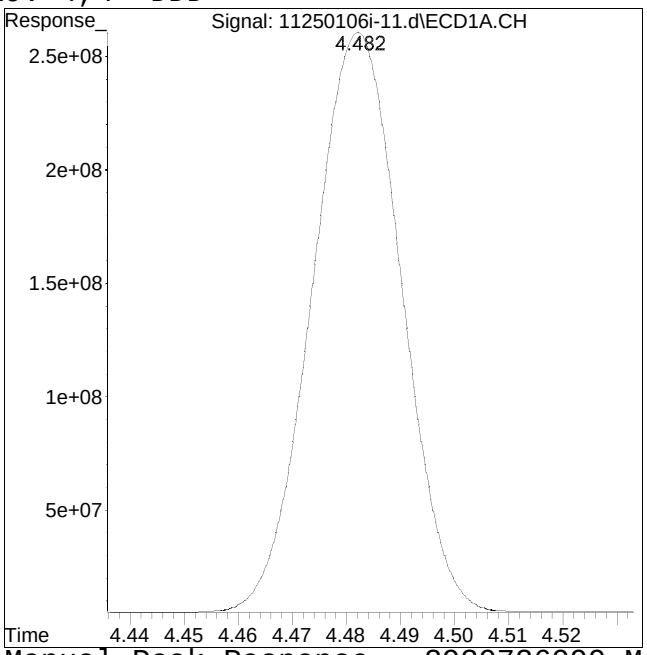
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-11.d
Date Inj'd : 1/6/2025 14:22
Sample : il10pest,42e,,pp 11941 L0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:47 am

Compound #19: 4,4'-DDD



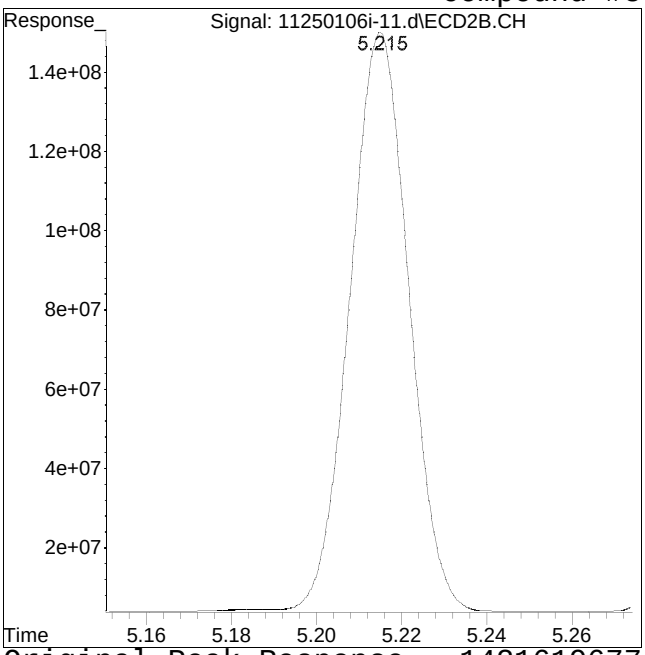


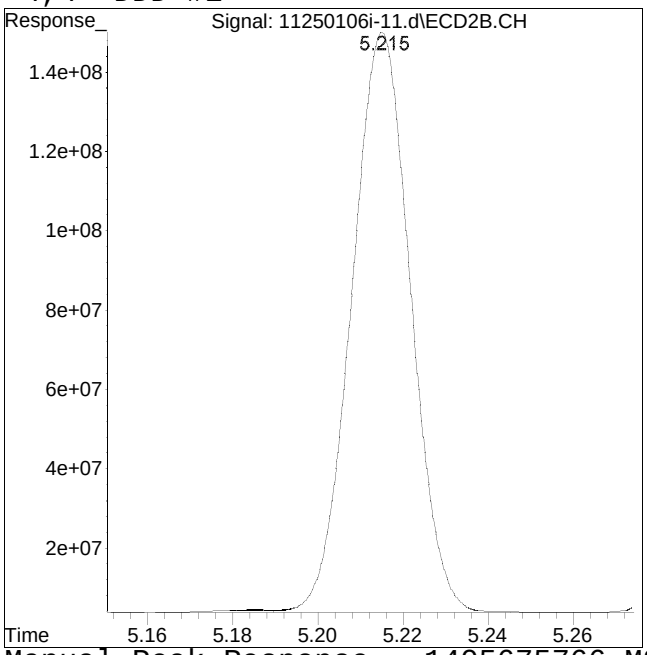
Original Peak Response = 2952893269 Manual Peak Response = 2939726999 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-11.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:22 Instrument : Pest 11
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:47 am

Compound #57: 4,4'-DDD #2



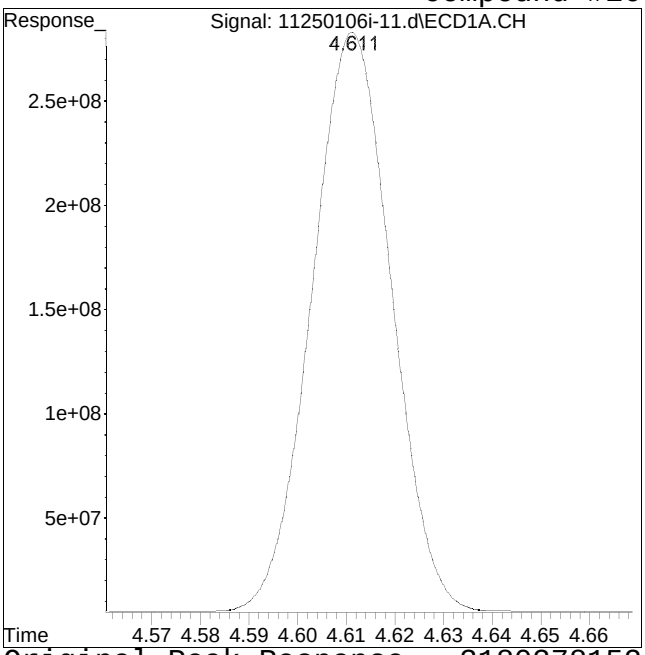


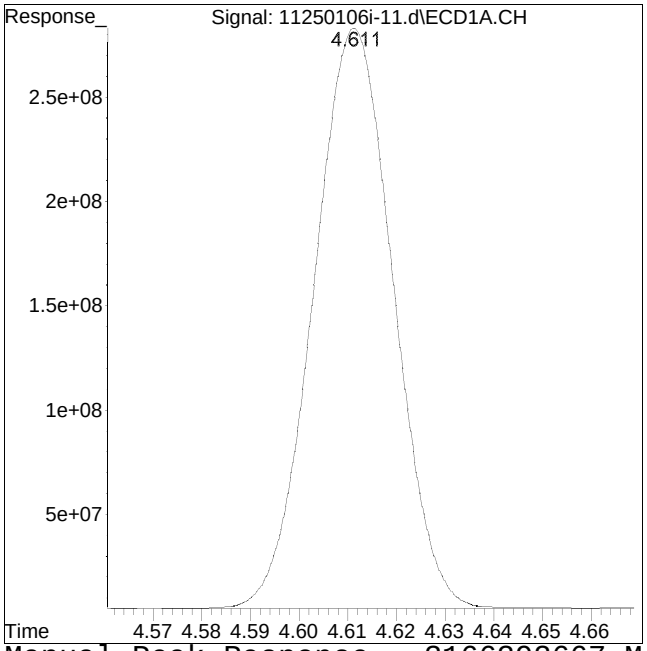
Original Peak Response = 1421619677 Manual Peak Response = 1405675766 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-11.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:22 Instrument : Pest 11
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:47 am

Compound #20: Endosulfan II



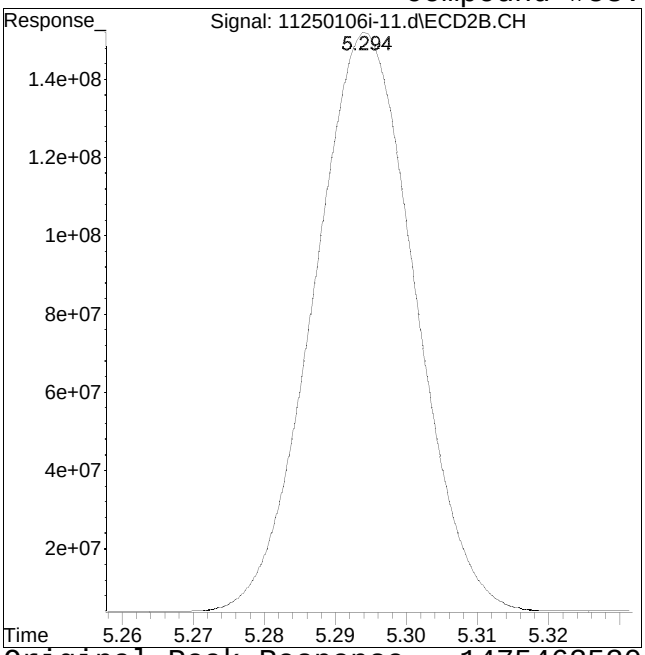


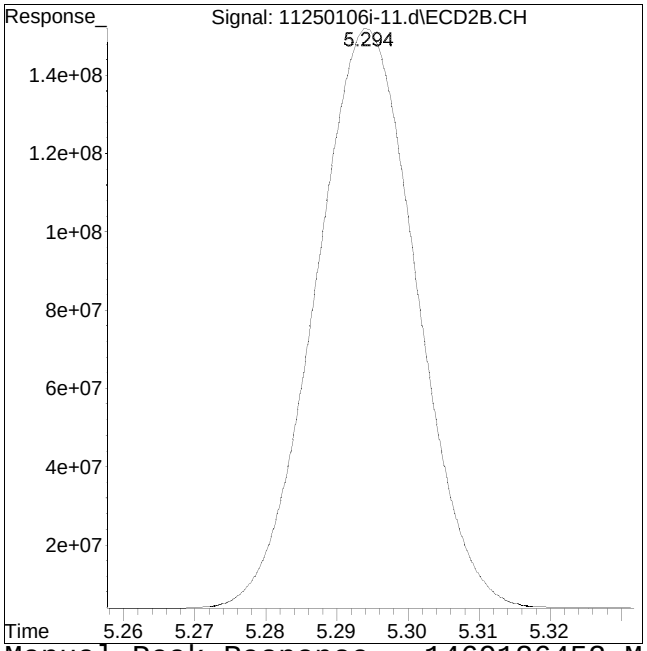
Original Peak Response = 3180378152 Manual Peak Response = 3166392667 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-11.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:22 Instrument : Pest 11
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:47 am

Compound #58: Endosulfan II #2





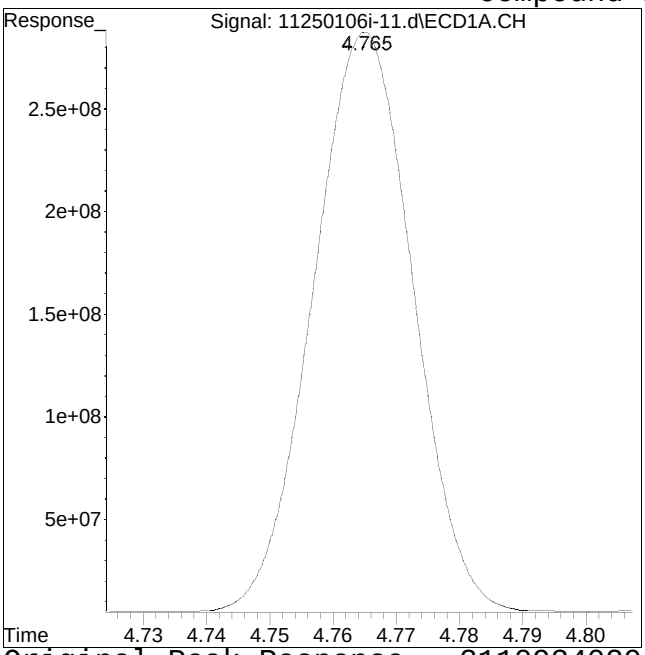
Original Peak Response = 1475463530 Manual Peak Response = 1469126452 M4
M4 = Poor automated baseline construction.

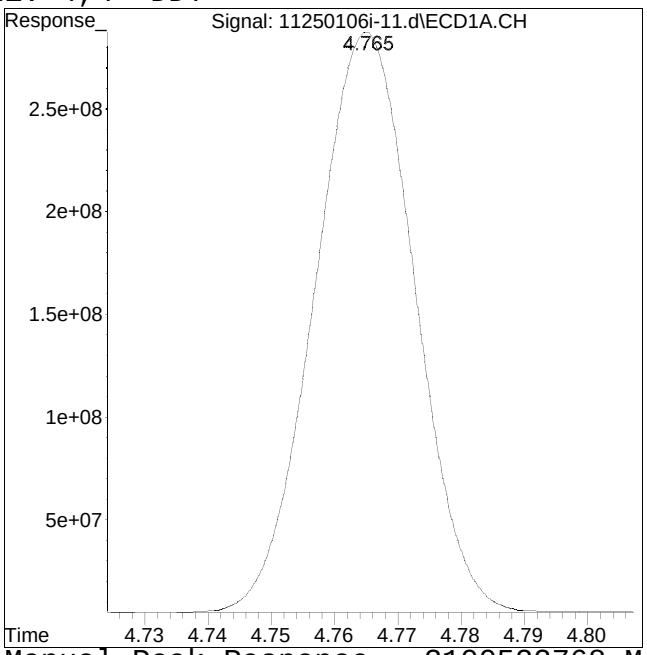
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-11.d
Date Inj'd : 1/6/2025 14:22
Sample : il10pest,42e,,pp 11941 L0.

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:47 am

Compound #21: 4,4'-DDT



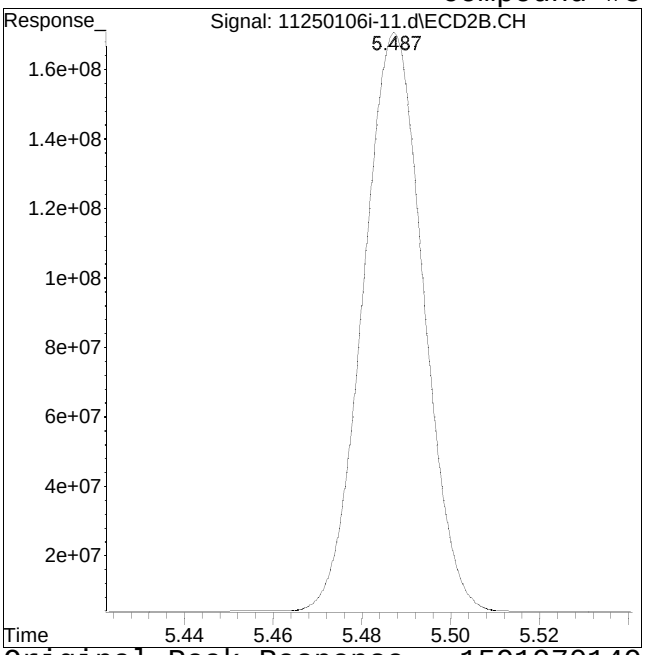


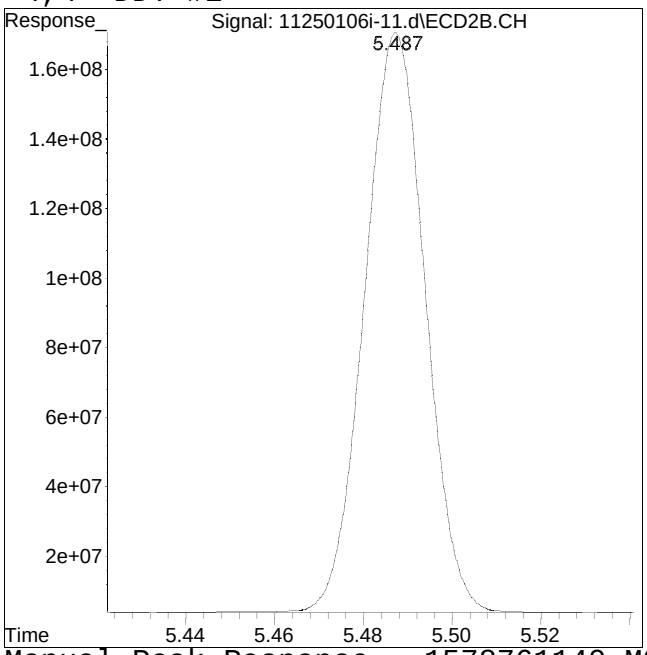
Original Peak Response = 3110924029 Manual Peak Response = 3100522768 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-11.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:22 Instrument : Pest 11
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:47 am

Compound #59: 4,4'-DDT #2





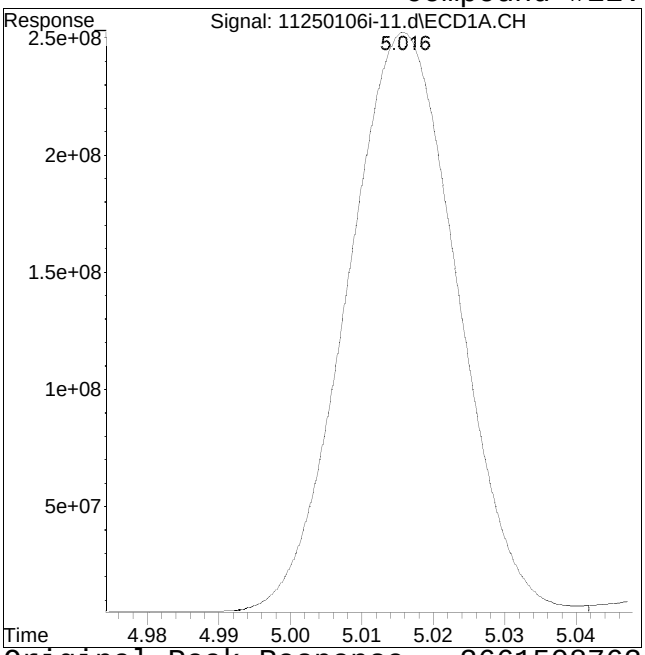
Original Peak Response = 1591970149 Manual Peak Response = 1578761140 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

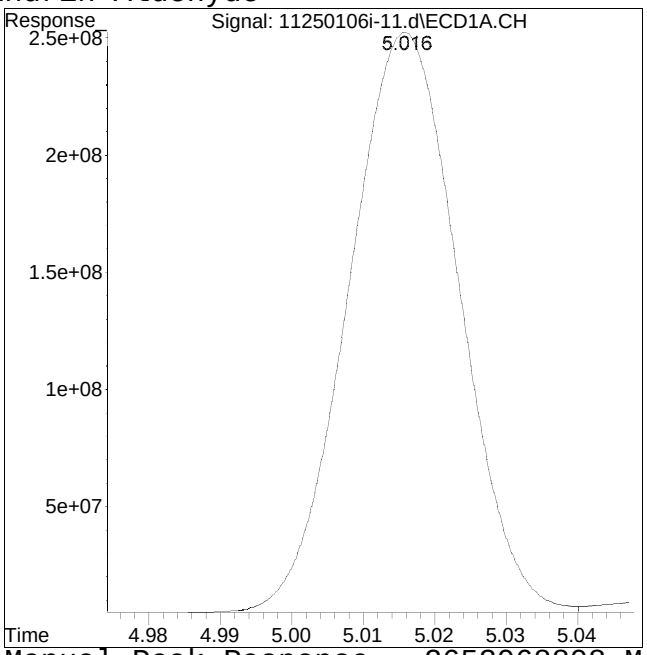
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-11.d
Date Inj'd : 1/6/2025 14:22
Sample : il10pest,42e,,pp 11941 L0.

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:47 am

Compound #22: Endrin Aldehyde





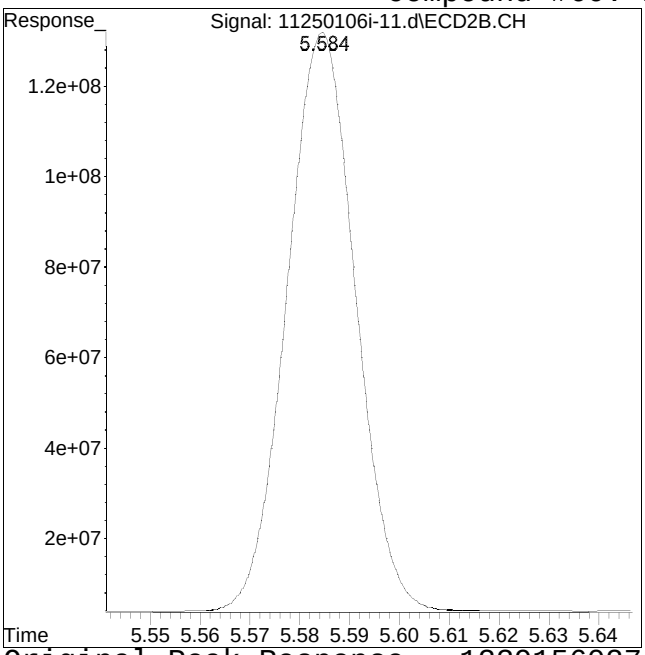
Original Peak Response = 2661508763 Manual Peak Response = 2653068808 M4
M4 = Poor automated baseline construction.

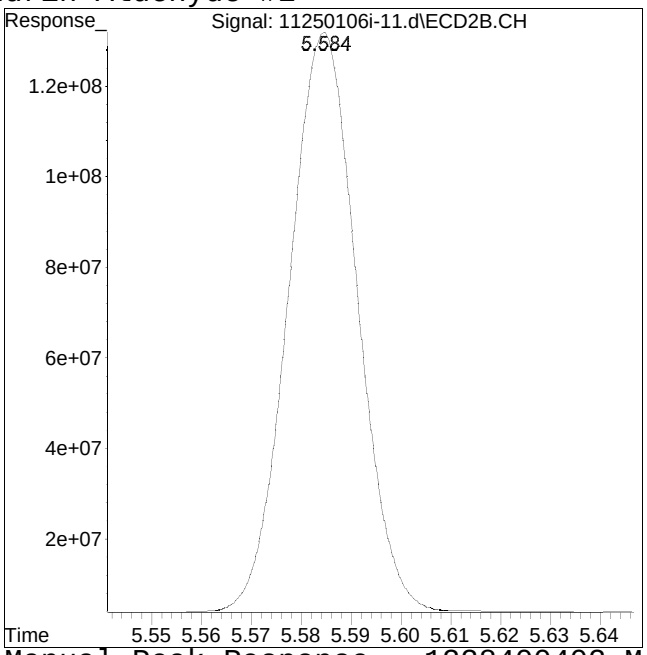
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-11.d
Date Inj'd : 1/6/2025 14:22
Sample : il10pest,42e,,pp 11941 L0.

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:47 am

Compound #60: Endrin Aldehyde #2



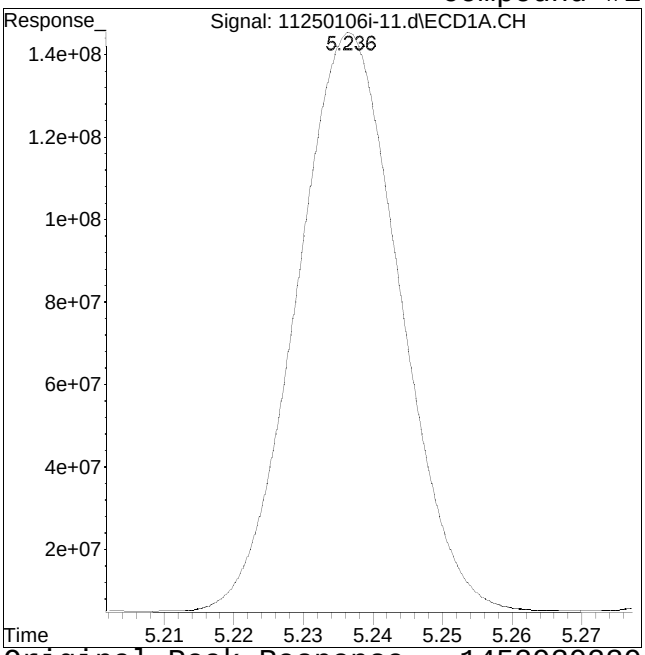


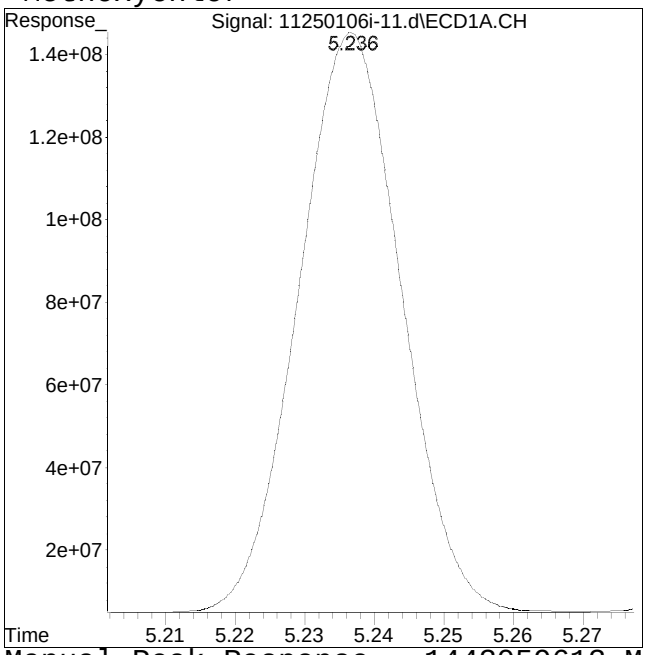
Original Peak Response = 1239156027 Manual Peak Response = 1228400402 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-11.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:22 Instrument : Pest 11
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:47 am

Compound #23: Methoxychlor



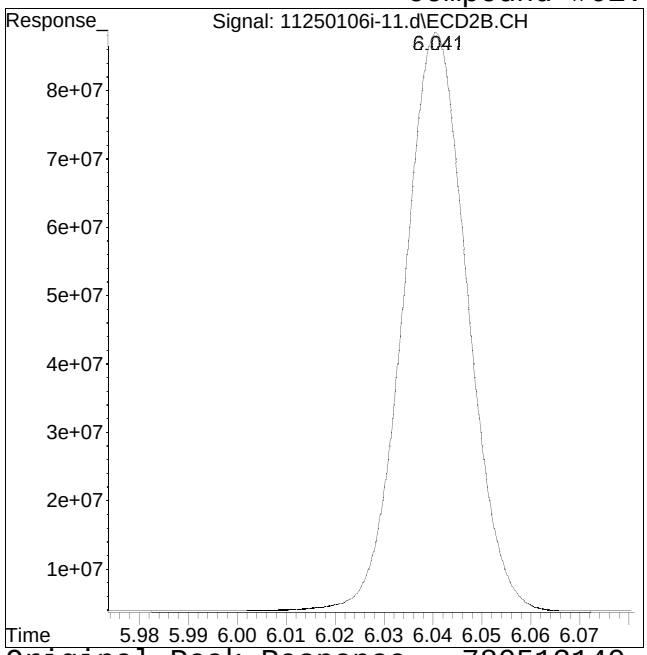


Original Peak Response = 1452939239 Manual Peak Response = 1443059613 M4
M4 = Poor automated baseline construction.

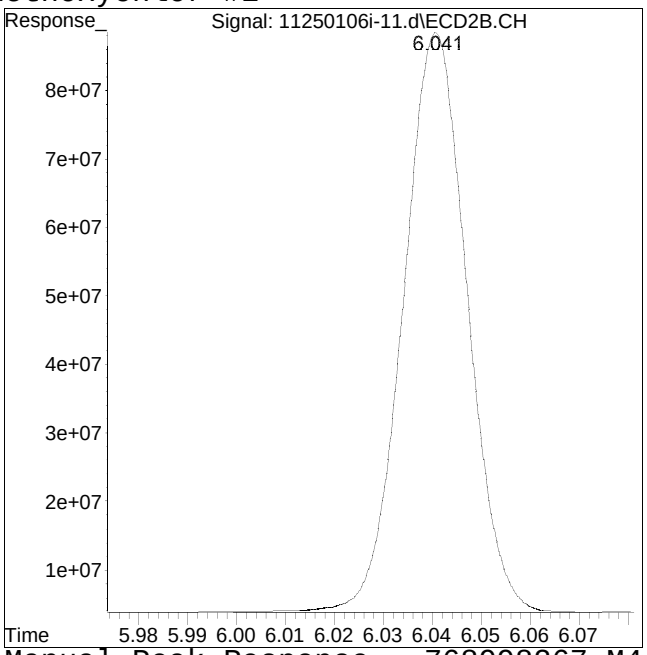
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-11.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:22 Instrument : Pest 11
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:47 am

Compound #61: Methoxychlor #2



Original Peak Response = 780513140



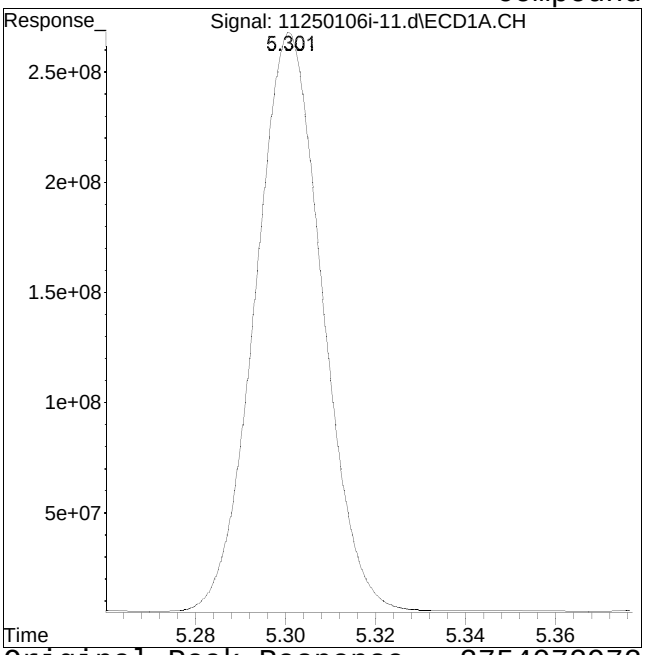
Manual Peak Response = 768998267 M4

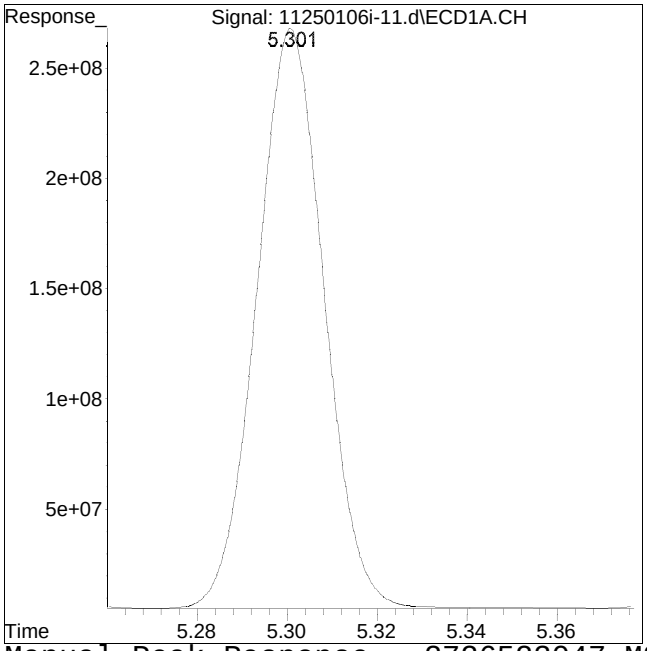
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-11.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:22 Instrument : Pest 11
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:47 am

Compound #24: Mirex





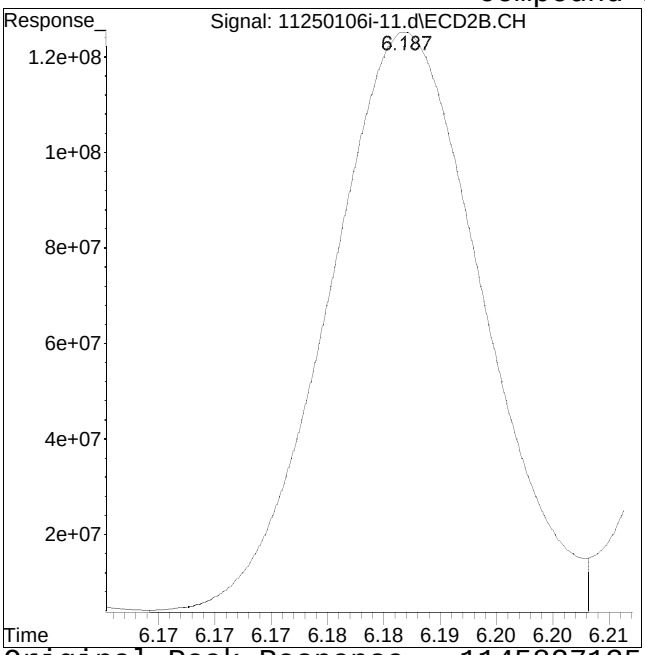
Original Peak Response = 2754072972 Manual Peak Response = 2726523047 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

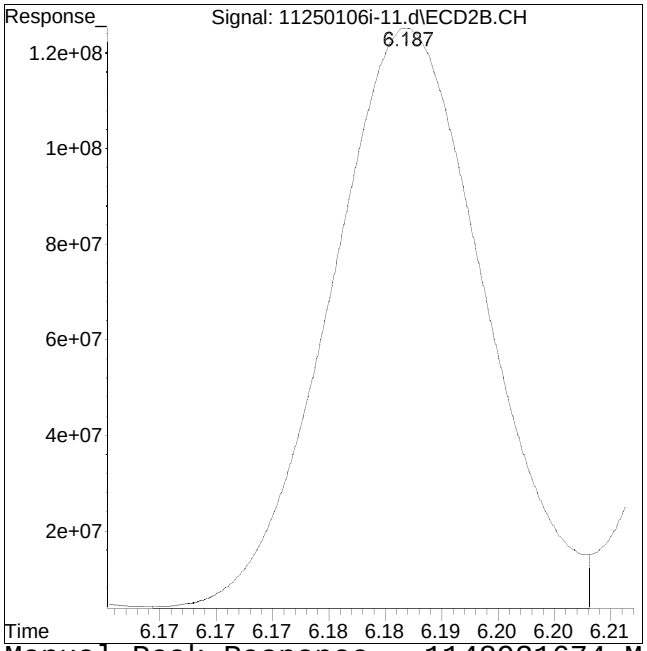
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-11.d
Date Inj'd : 1/6/2025 14:22
Sample : il10pest,42e,,pp 11941 L0.

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:47 am

Compound #62: Mirex #2





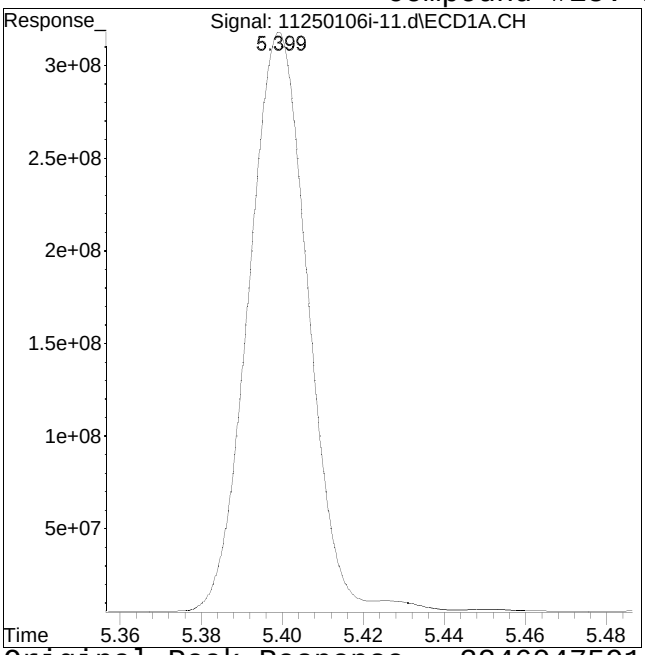
Original Peak Response = 1145827135 Manual Peak Response = 1148931674 M4
M4 = Poor automated baseline construction.

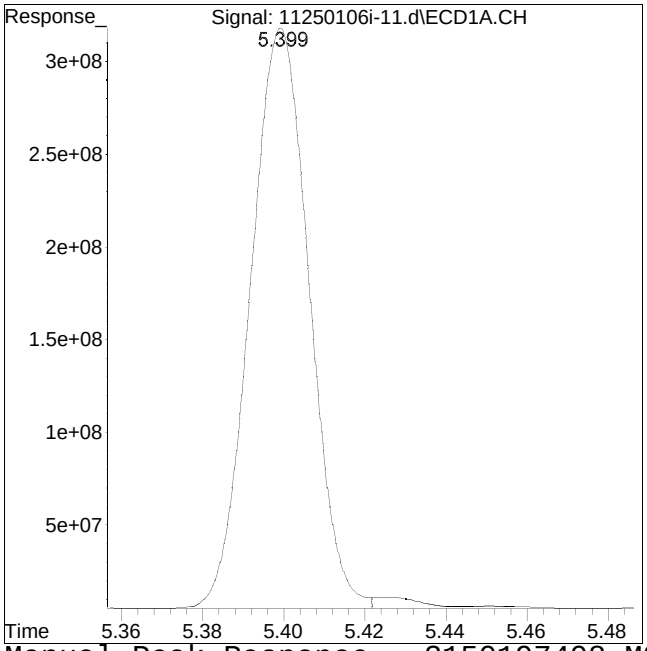
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-11.d
Date Inj'd : 1/6/2025 14:22
Sample : il10pest,42e,,pp 11941 L0.

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:47 am

Compound #25: Endosulfan Sulfate





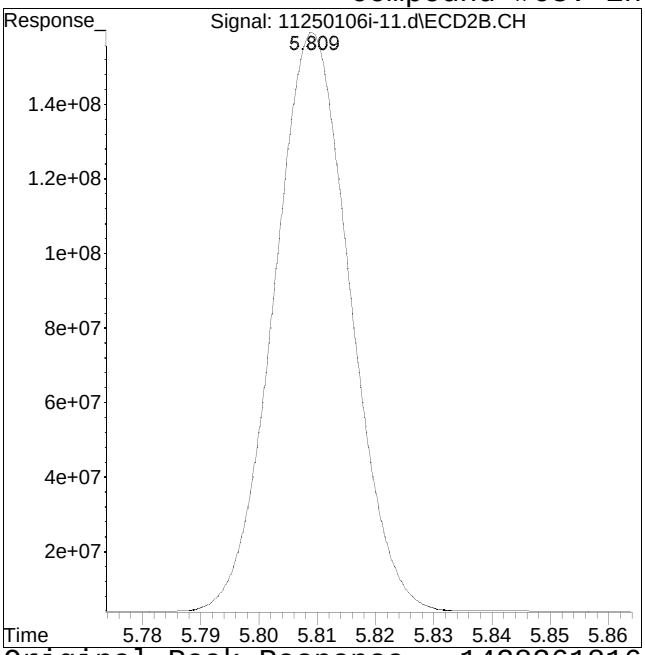
Original Peak Response = 3246047591 Manual Peak Response = 3150197408 M3

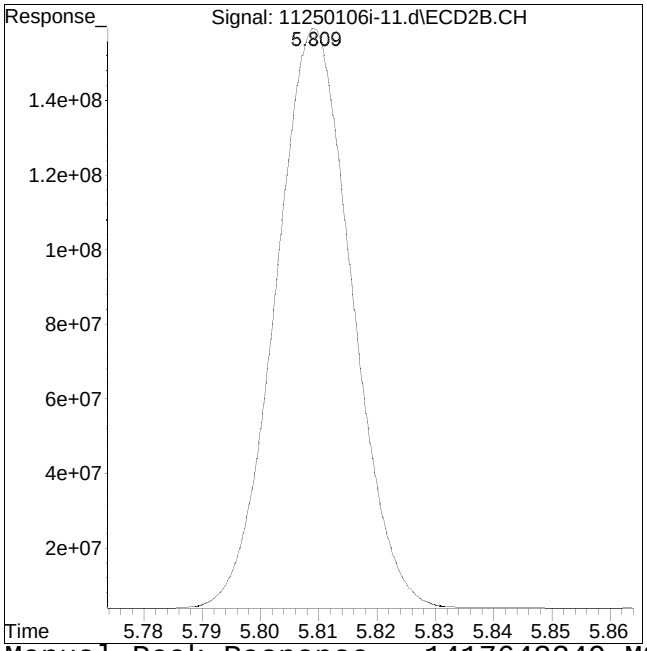
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-11.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:22 Instrument : Pest 11
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:47 am

Compound #63: Endosulfan Sulfate #2



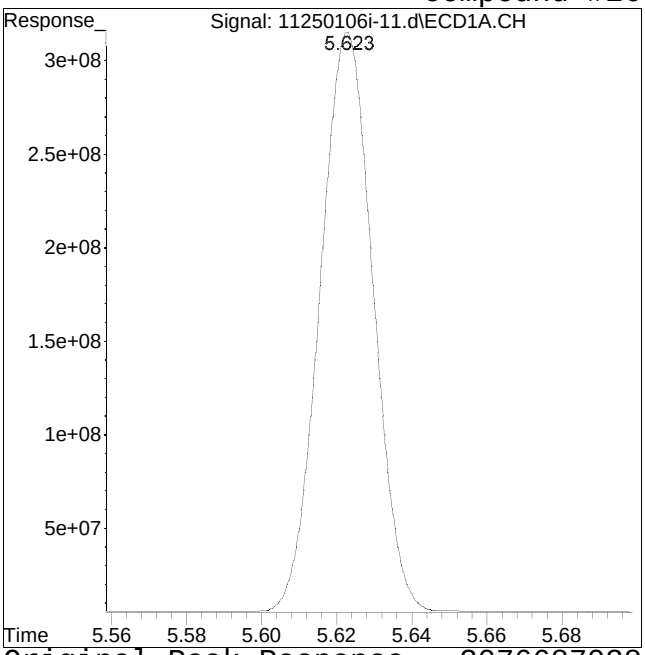


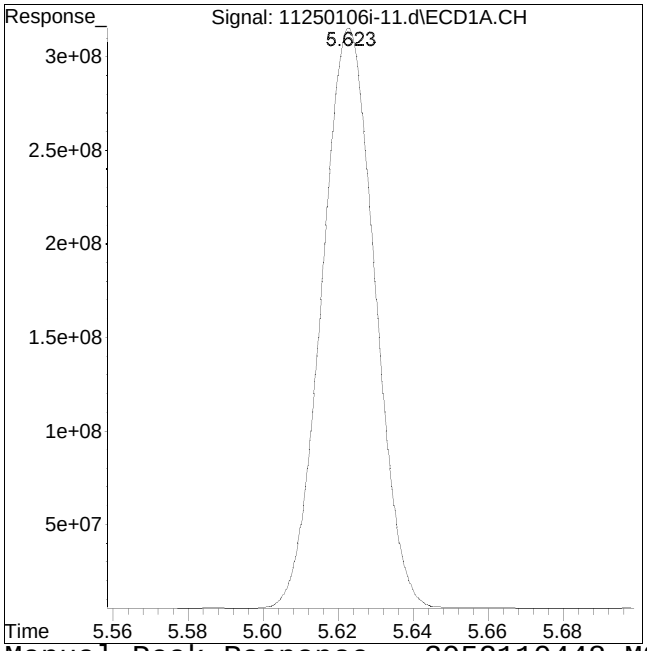
Original Peak Response = 1428361816 Manual Peak Response = 1417643249 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-11.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:22 Instrument : Pest 11
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:47 am

Compound #26: Endrin Ketone



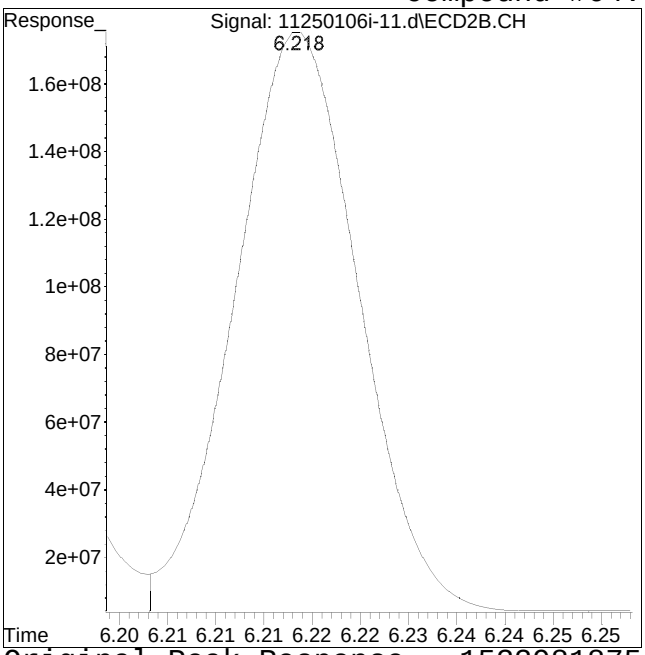


Original Peak Response = 3076687038 Manual Peak Response = 3052110448 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

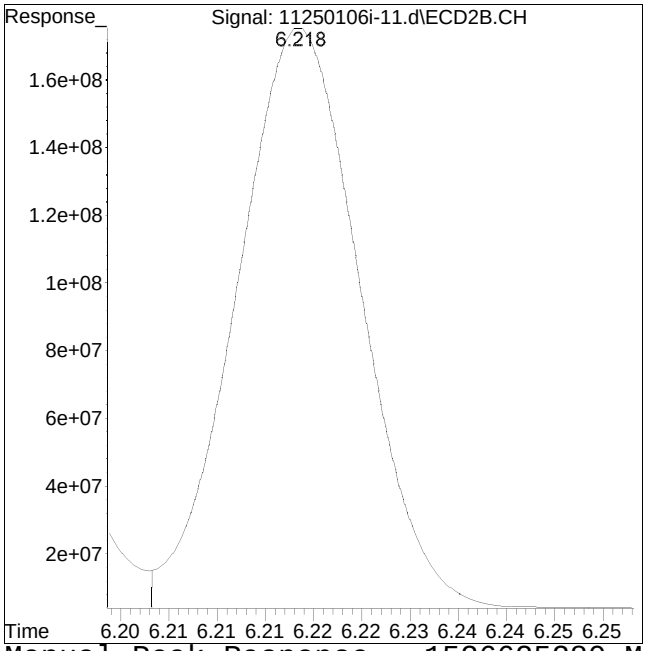
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-11.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:22 Instrument : Pest 11
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:47 am

Compound #64: Endrin Ketone #2



Original Peak Response = 1533981875



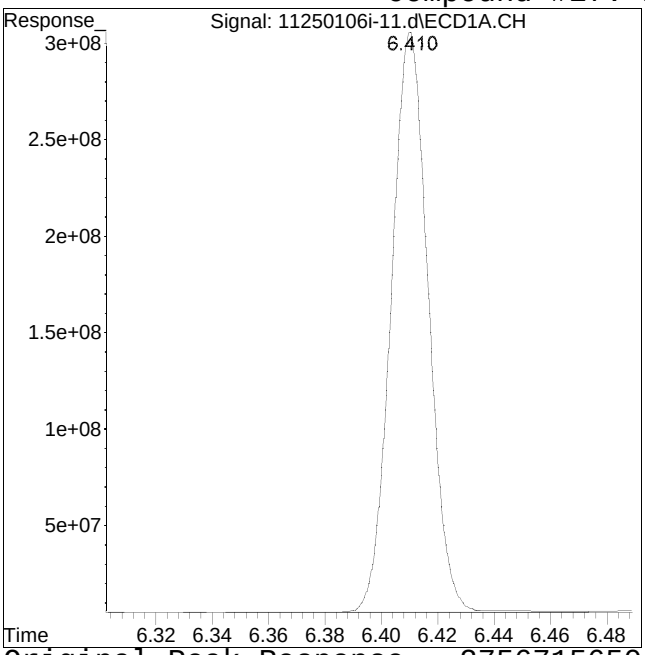
Manual Peak Response = 1526625280 M4

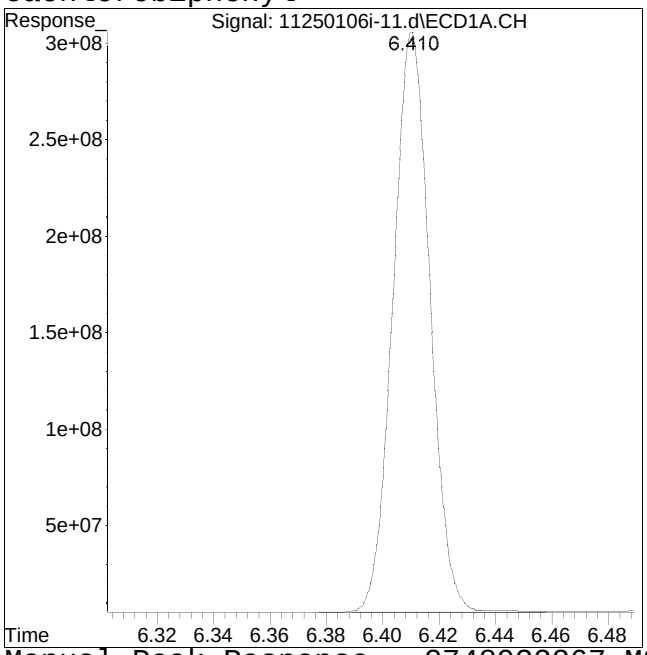
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-11.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:22 Instrument : Pest 11
Sample : il10pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:47 am

Compound #27: Decachlorobiphenyl





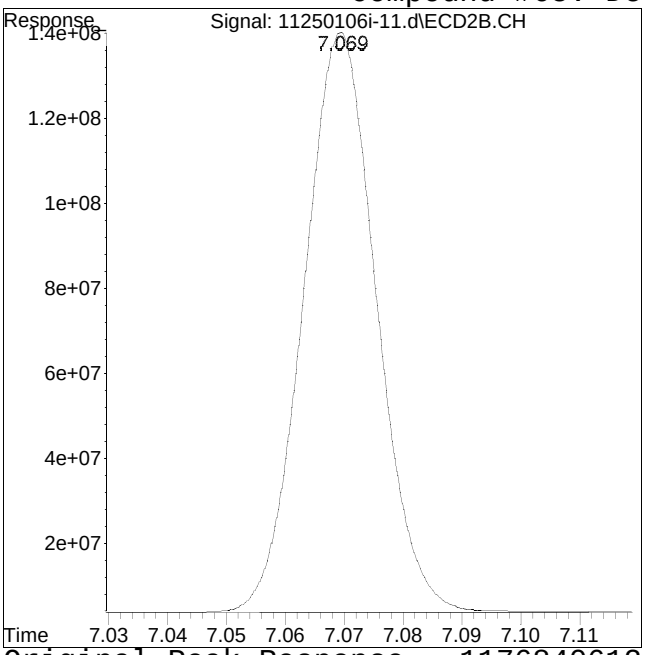
Original Peak Response = 2756715650 Manual Peak Response = 2748932267 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

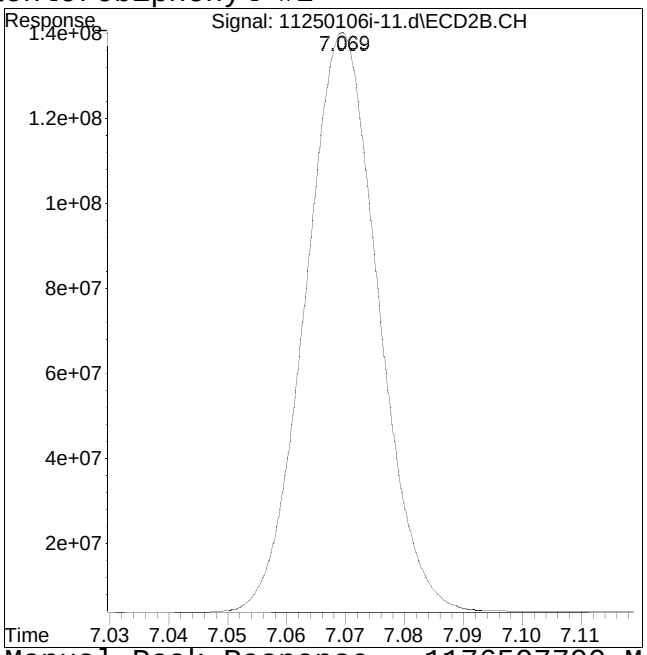
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-11.d
Date Inj'd : 1/6/2025 14:22
Sample : il10pest,42e,,pp 11941 L0.

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:47 am

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 1176840612 Manual Peak Response = 1176507700 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 14:34
Operator : PEST11:akm
Sample : il11pest,42e,,pp 11941 L0.4
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 11:54:31 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 11:54:22 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
		Internal Standards						
1)	i	1-br-2-nb_Pe	1.376	1.457	338.3E6	180.6E6	25.000M3	25.000M4
28)	i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33)	i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
		System Monitoring Compounds						
2)	s	2,4,5,6-Tetr	1.734	1.962	6318.4E6	3028.2E6	374.813M3	414.498
		Spiked Amount 50.000	Range 30 - 150		Recovery =		749.63%#	829.00%#
27)	s	Decachlorobi	6.411	7.069	5327.5E6	2428.6E6	362.120M4	406.315M4
		Spiked Amount 50.000	Range 30 - 150		Recovery =		724.24%#	812.63%#
		Target Compounds						
3)	t	Hexachlorobe	1.958	2.301	6905.0E6	3218.0E6	384.027M3	411.909
4)	t	alpha-BHC	2.061	2.401	10172.2E6	4793.7E6	402.488M3	431.304M4
5)	t	gamma-BHC (l	2.273	2.702	8900.3E6	4307.8E6	397.948M3	427.695
6)	t	beta-BHC	2.331	2.768	3698.4E6	1706.9E6	400.134M3	408.534M3
7)	t	delta-BHC	2.466	3.050	9223.1E6	4448.1E6	400.134M3	430.822M4
8)	t	Heptachlor	2.636	3.121	7186.0E6	3943.3E6	360.824M4	402.273M4
9)	t	Aldrin	2.889	3.455	7791.9E6	3808.5E6	372.826M3	415.756M4
10)	t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	t	Heptachlor E	3.455	4.095	6834.8E6	3457.5E6	366.228M4	402.042

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 14:34
Operator : PEST11:akm
Sample : il11pest,42e,,pp 11941 L0.4
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 11:54:31 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 11:54:22 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
13)	t	gamma-Chlord	3.583	4.315	6953.6E6	3294.8E6	391.306M3	422.167M4
14)	t	alpha-Chlord	3.721	4.475	7912.3E6	3610.7E6	389.951M3	416.935M4
15)	t	4,4'-DDE	3.819	4.660	7720.1E6	3652.7E6	381.263M4	420.594M3
16)	t	Endosulfan I	3.863	4.534	6642.0E6	3209.5E6	369.408M4	402.660M4
17)	t	Dieldrin	4.131	4.813	7242.0E6	3436.5E6	380.494M4	412.920M4
18)	t	Endrin	4.381	5.103	6910.9E6	3456.6E6	370.468M4	409.744M4
19)	t	4,4'-DDD	4.483	5.215	5938.5E6	2925.8E6	394.916M4	423.847M3
20)	t	Endosulfan I	4.612	5.295	6205.0E6	2996.4E6	371.764M4	406.305M4
21)	t	4,4'-DDT	4.766	5.488	6066.9E6	3285.5E6	384.268M4	422.760M3
22)	t	Endrin Aldeh	5.017	5.585	5156.1E6	2491.6E6	367.481M3	400.705M4
23)	t	Methoxychlor	5.237	6.041	2761.7E6	1560.0E6	348.941M4	393.570M4
24)	t	Mirex	5.302	6.187	5564.8E6	2352.0E6	386.866M3	400.105M4
25)	t	Endosulfan S	5.400	5.810	6209.6E6	2918.8E6	374.837M3	410.402M3
26)	t	Endrin Keton	5.624	6.219	5889.5E6	3119.7E6	359.514M3	405.374M4
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32)	l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum	chlordane-1			0	0	N.D.	N.D.

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 14:34
Operator : PEST11:akm
Sample : il11pest,42e,,pp 11941 L0.4
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 11:54:31 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 11:54:22 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	chlordane-1					0.000	0.000
34)	l2 toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35)	l2 toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36)	l2 toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37)	l2 toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

	Sum toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

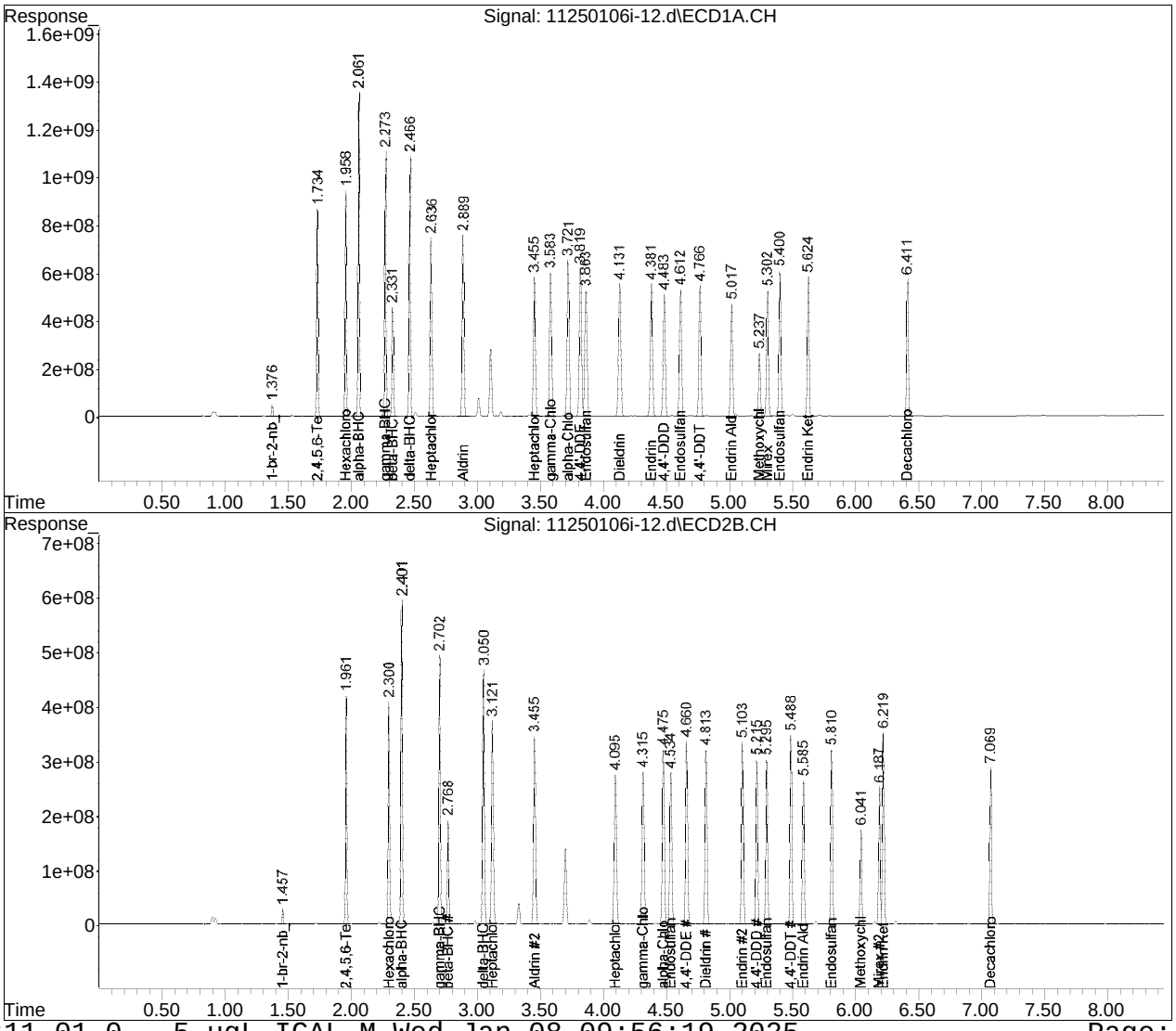
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 14:34
Operator : PEST11:akm
Sample : il11pest,42e,,pp 11941 L0.4
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 11:54:31 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 11:54:22 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

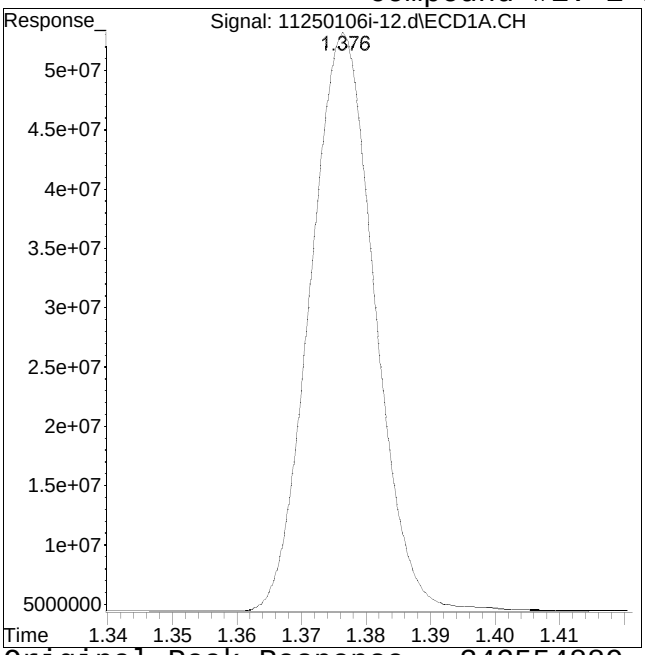
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

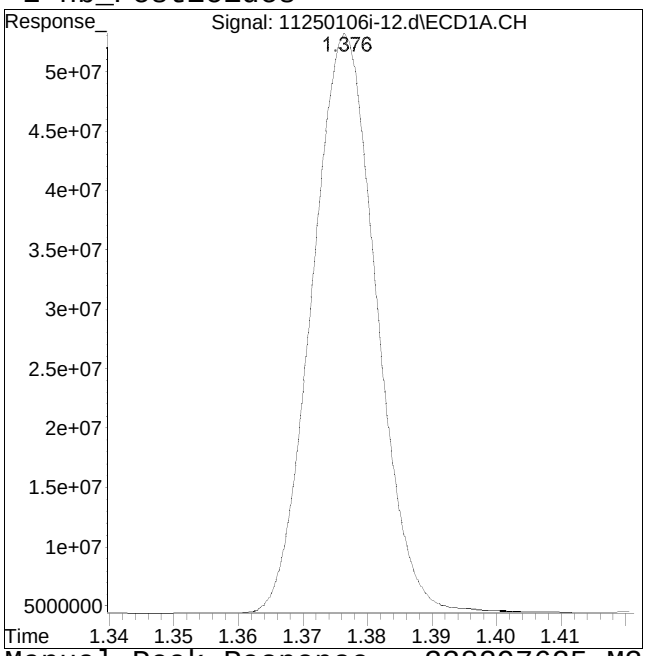


Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-12.d
Date Inj'd : 1/6/2025 14:34
Sample : il11pest,42e,,pp 11941 L0.
Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:54 am

Compound #1: 1-br-2-nb_Pesticides





Original Peak Response = 342554889 Manual Peak Response = 338297625 M3

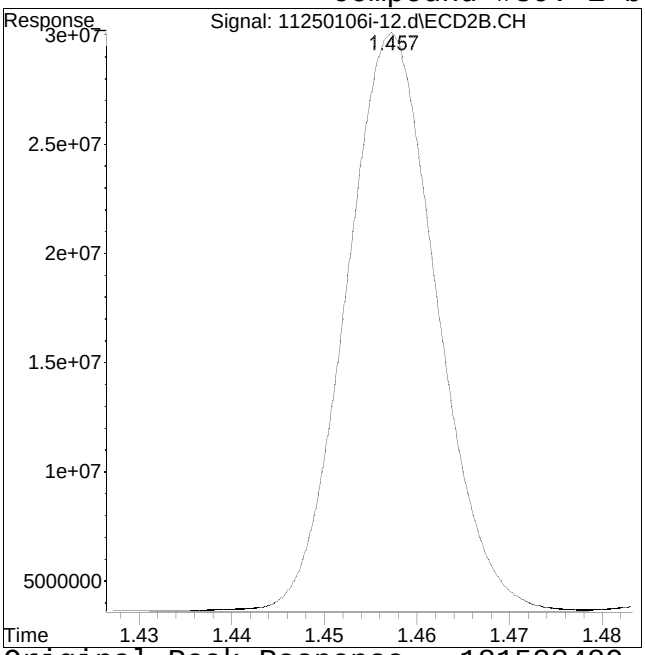
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

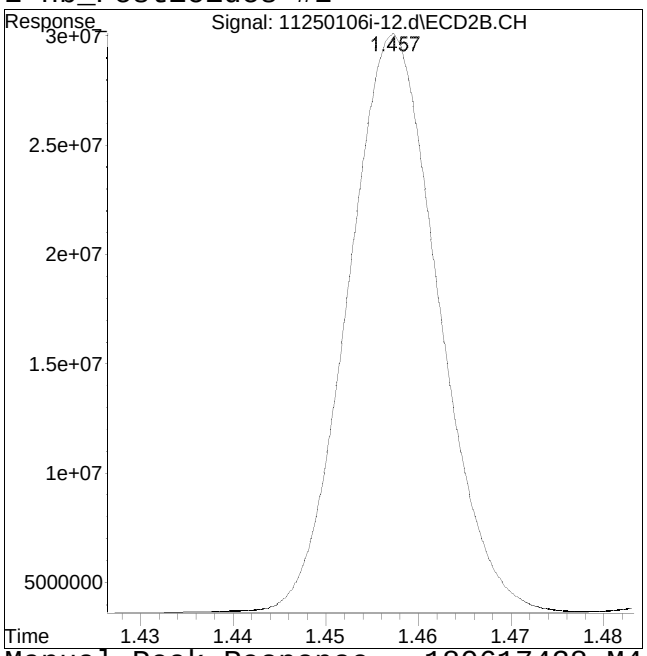
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-12.d
Date Inj'd : 1/6/2025 14:34
Sample : il11pest,42e,,pp 11941 L0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:54 am

Compound #39: 1-br-2-nb_Pesticides #2



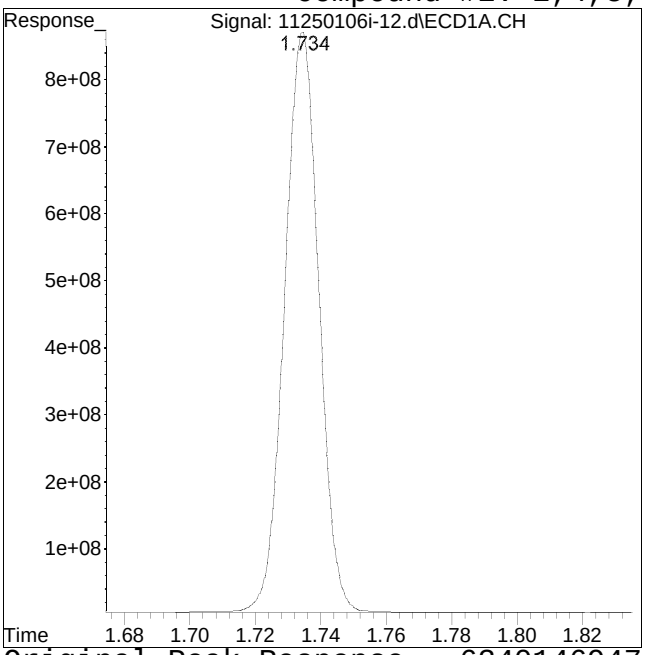


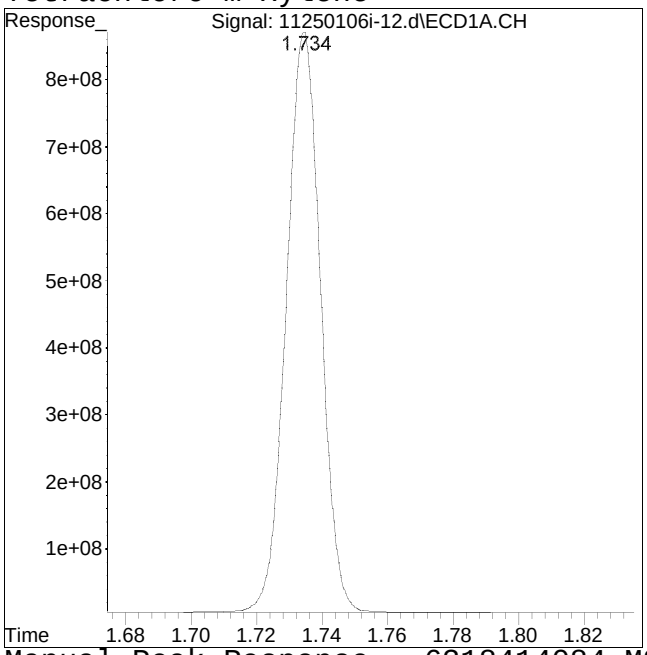
Original Peak Response = 181523489 Manual Peak Response = 180617438 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-12.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:34 Instrument : Pest 11
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:54 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



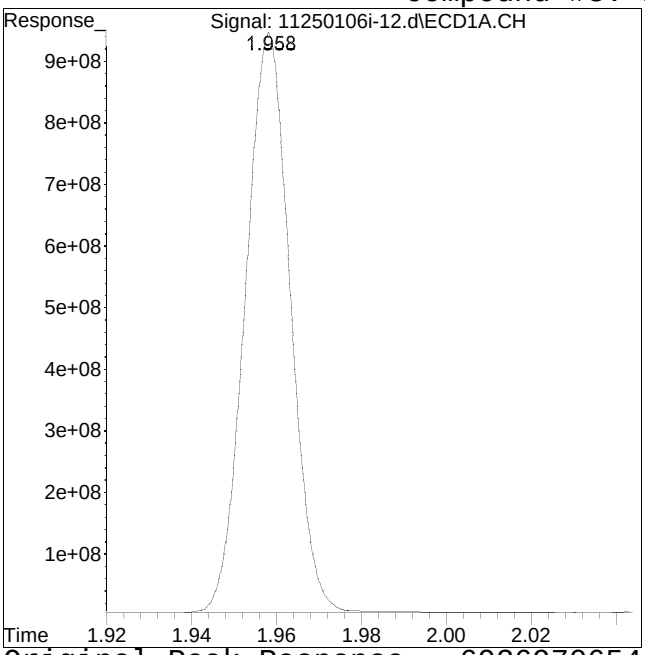


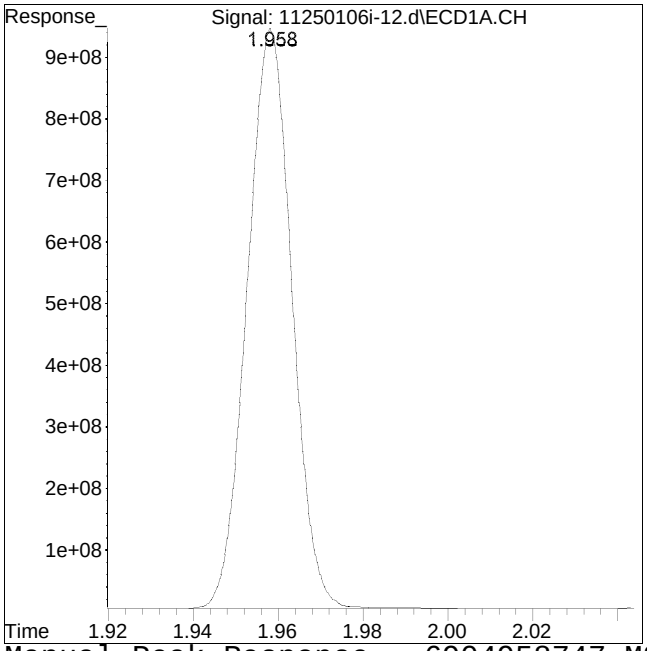
Original Peak Response = 6340146947 Manual Peak Response = 6318414084 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-12.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:34 Instrument : Pest 11
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:54 am

Compound #3: Hexachlorobenzene



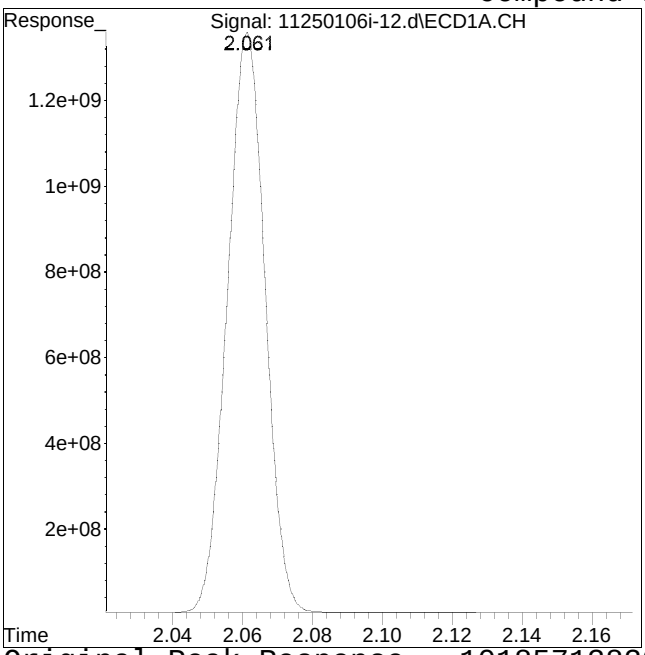


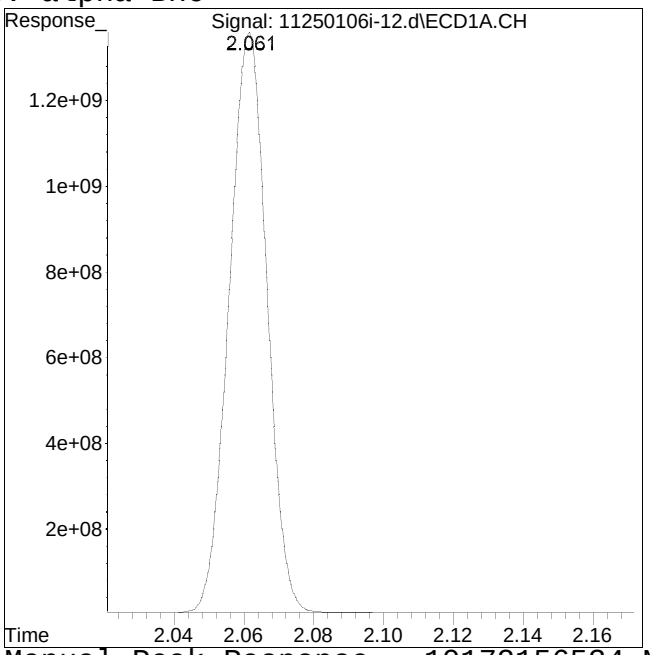
Original Peak Response = 6926970654 Manual Peak Response = 6904958747 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-12.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:34 Instrument : Pest 11
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:54 am

Compound #4: alpha-BHC





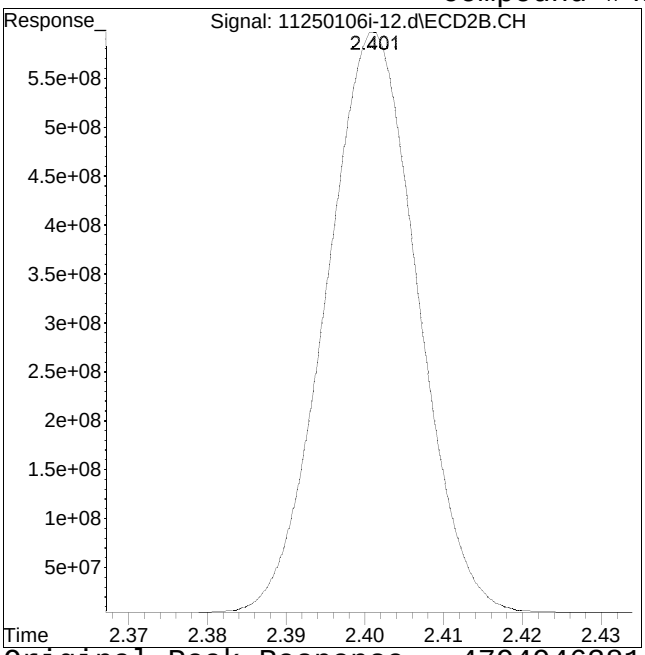
Original Peak Response = 10185713839 Manual Peak Response = 10172156534 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

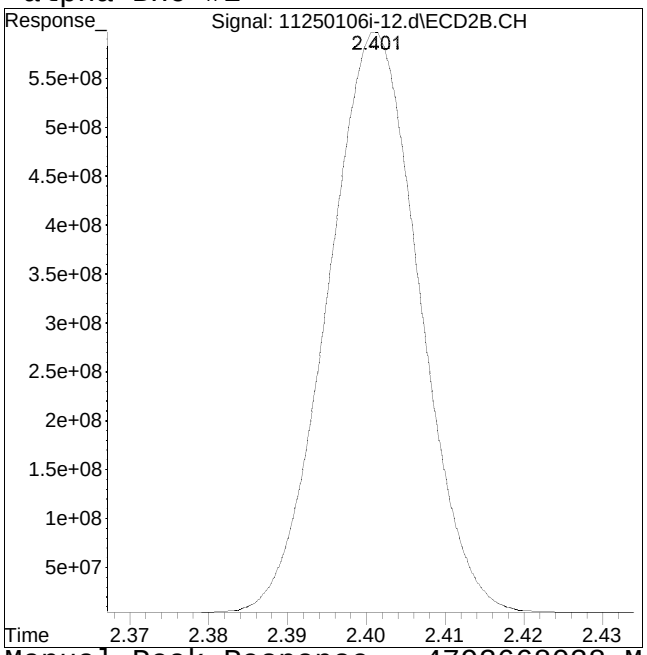
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-12.d
Date Inj'd : 1/6/2025 14:34
Sample : il11pest,42e,,pp 11941 L0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:54 am

Compound #42: alpha-BHC #2



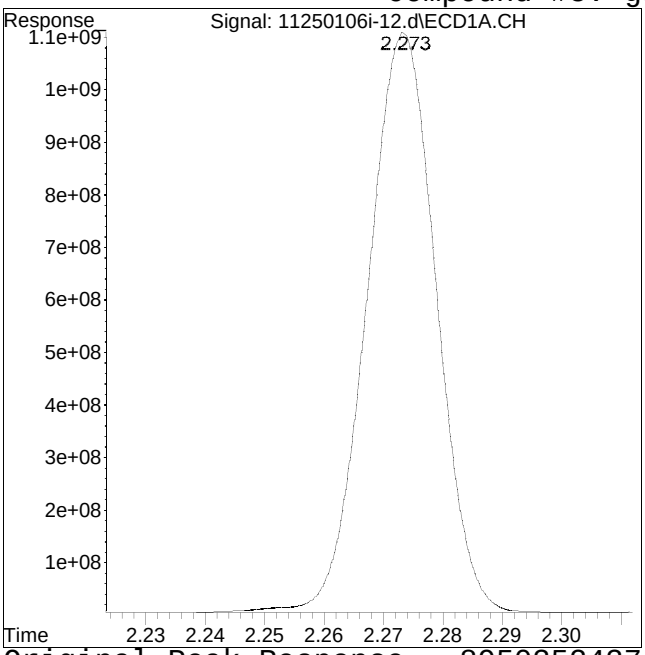


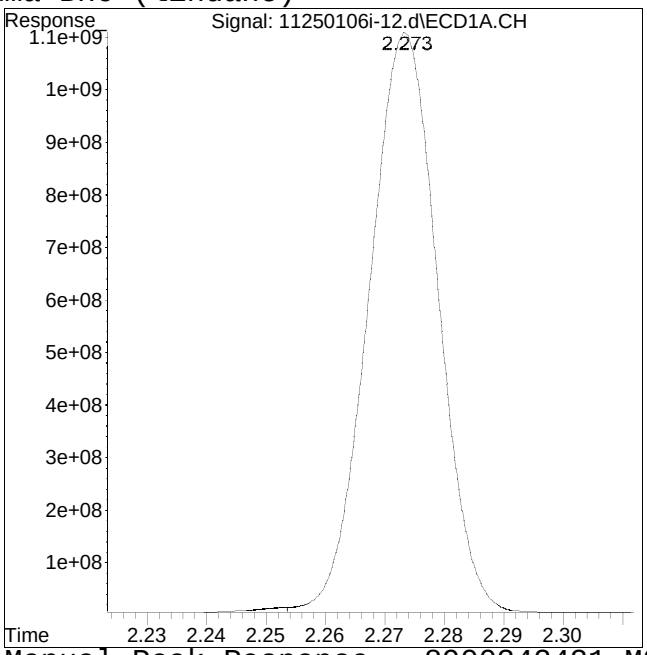
Original Peak Response = 4794946381 Manual Peak Response = 4793668038 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-12.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:34 Instrument : Pest 11
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:54 am

Compound #5: gamma-BHC (lindane)



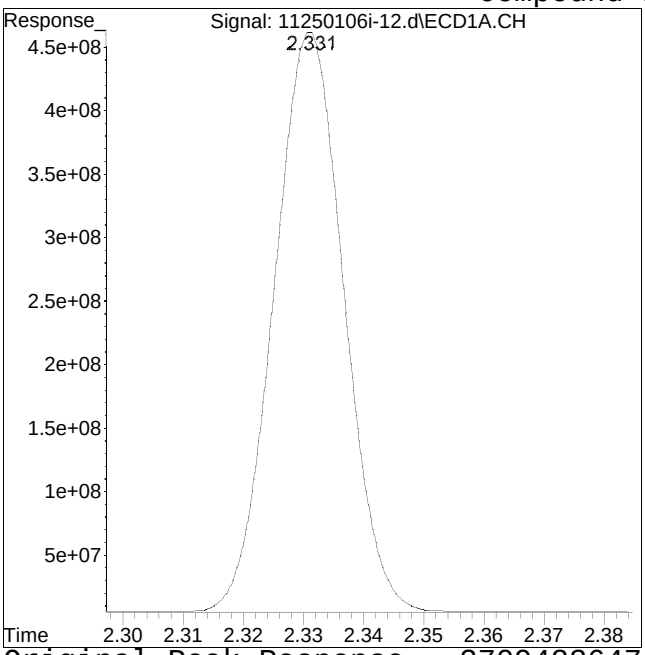


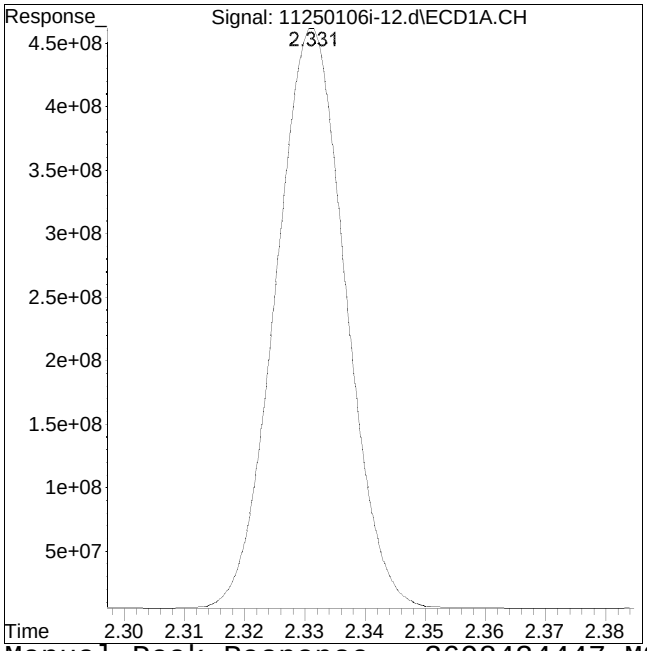
Original Peak Response = 8950352437 Manual Peak Response = 8900342421 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-12.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:34 Instrument : Pest 11
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:54 am

Compound #6: beta-BHC



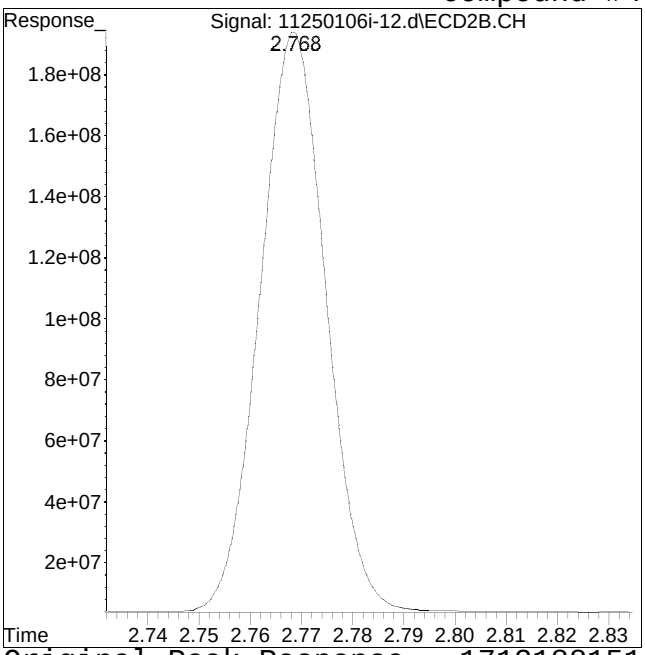


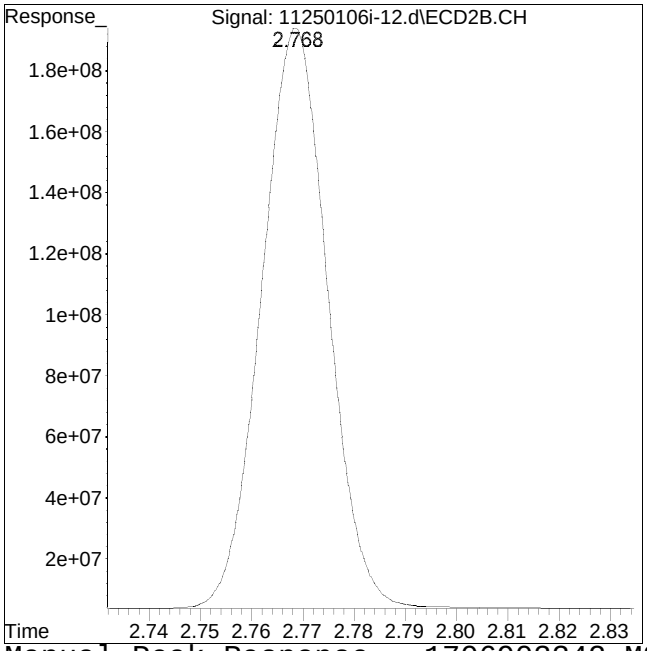
Original Peak Response = 3709423647 Manual Peak Response = 3698434447 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-12.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:34 Instrument : Pest 11
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:54 am

Compound #44: beta-BHC #2



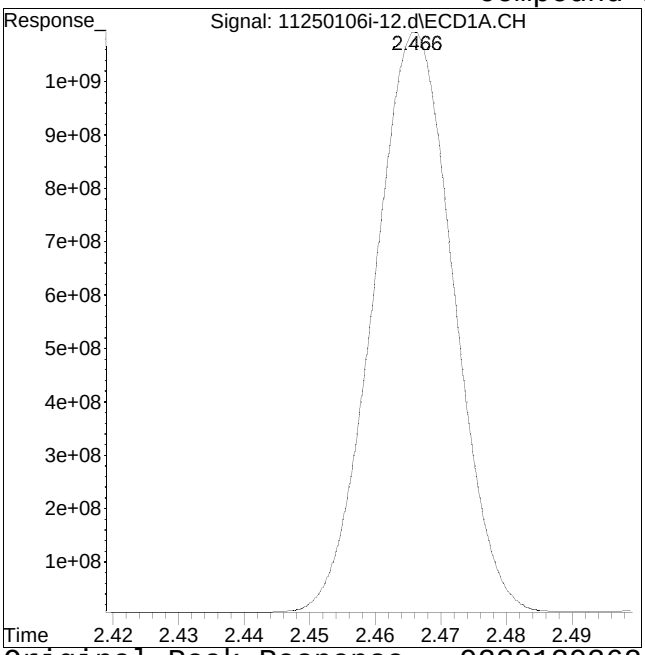


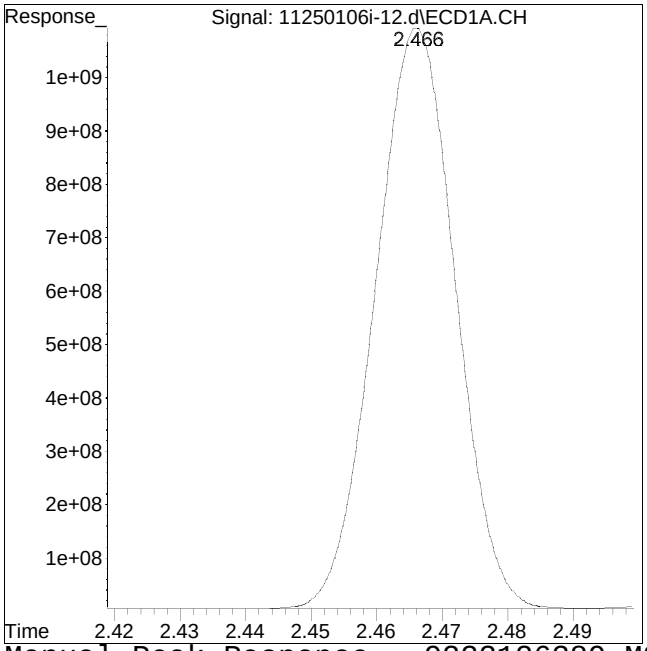
Original Peak Response = 1712188151 Manual Peak Response = 1706903342 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-12.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:34 Instrument : Pest 11
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:54 am

Compound #7: delta-BHC





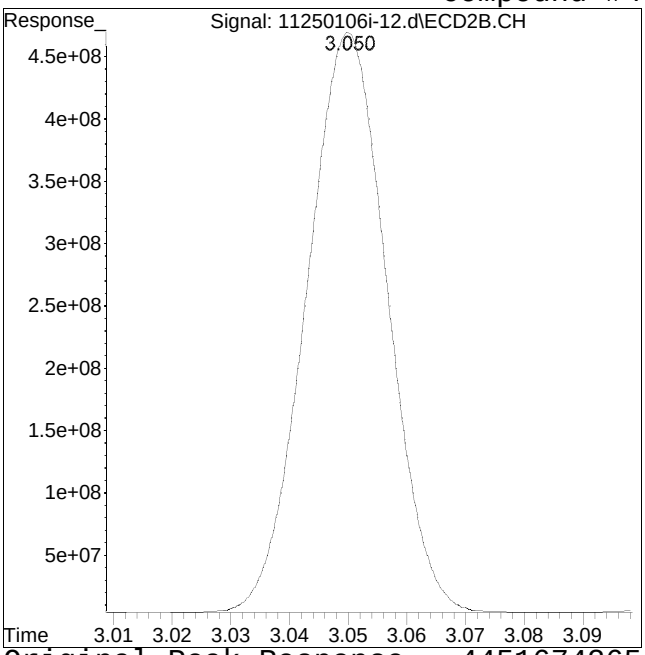
Original Peak Response = 9238129362 Manual Peak Response = 9223126389 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

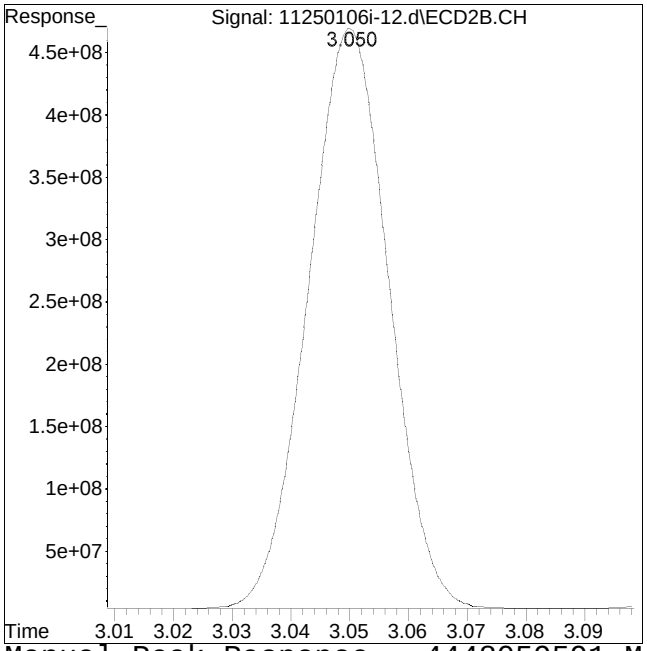
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-12.d
Date Inj'd : 1/6/2025 14:34
Sample : il11pest,42e,,pp 11941 L0.

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:54 am

Compound #45: delta-BHC #2



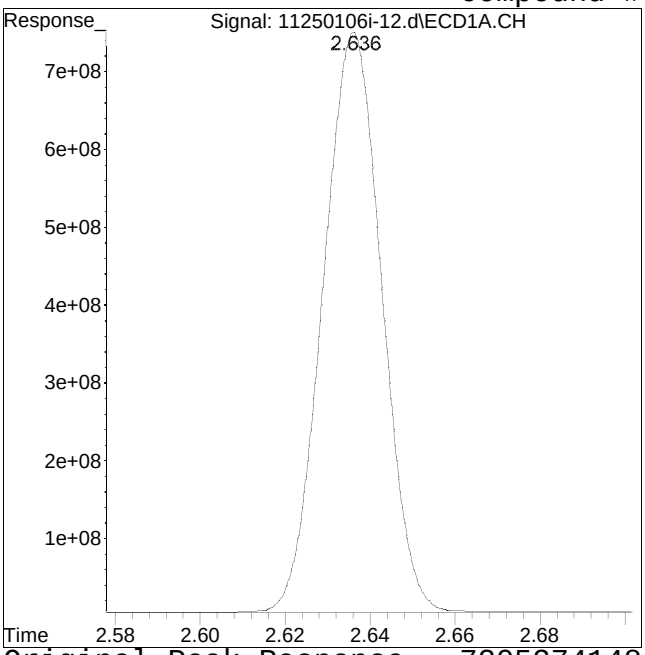


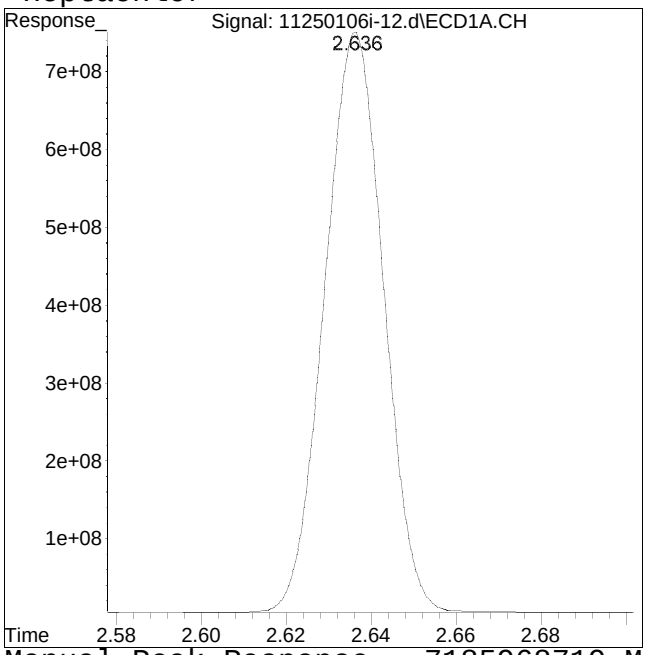
Original Peak Response = 4451674265 Manual Peak Response = 4448059591 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-12.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:34 Instrument : Pest 11
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:54 am

Compound #8: Heptachlor



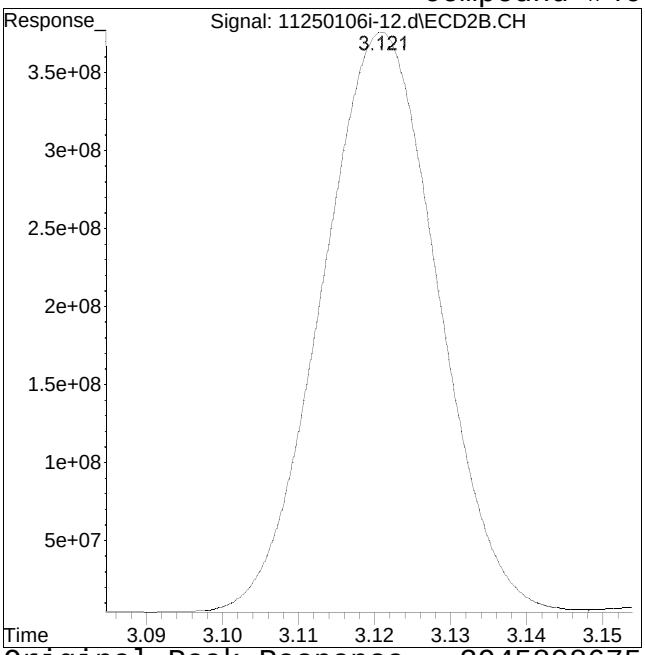


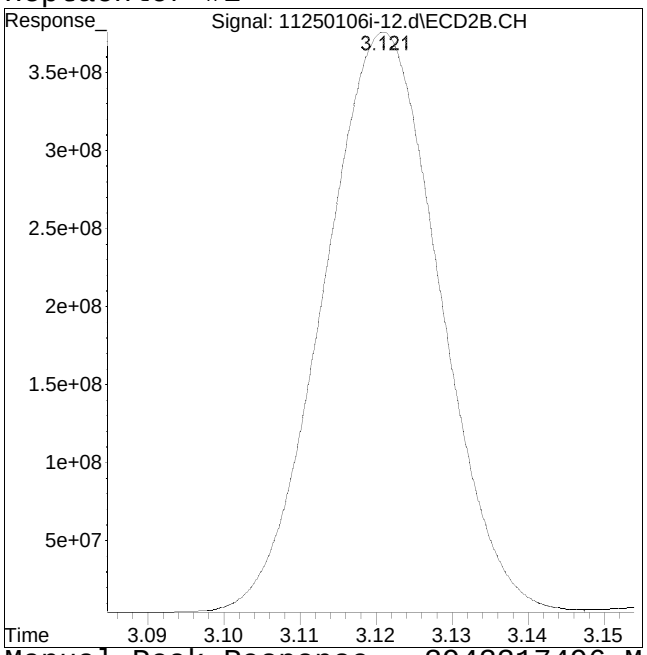
Original Peak Response = 7205274148 Manual Peak Response = 7185968719 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-12.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:34 Instrument : Pest 11
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:54 am

Compound #46: Heptachlor #2



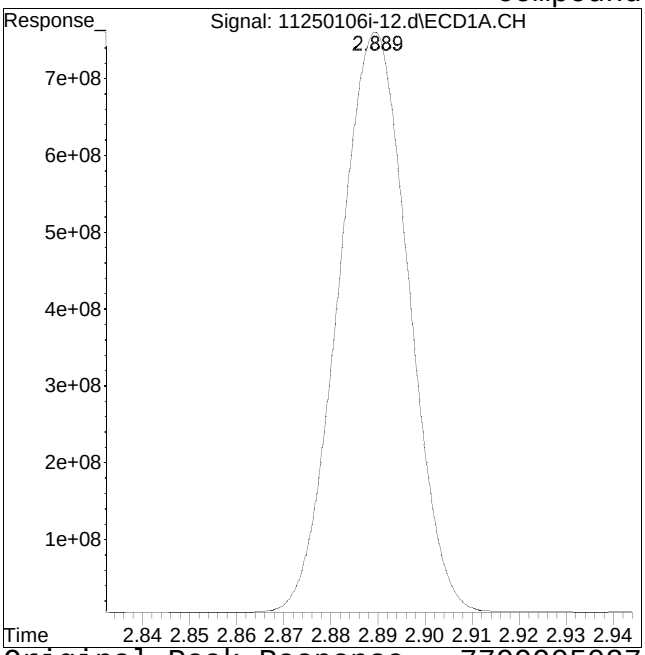


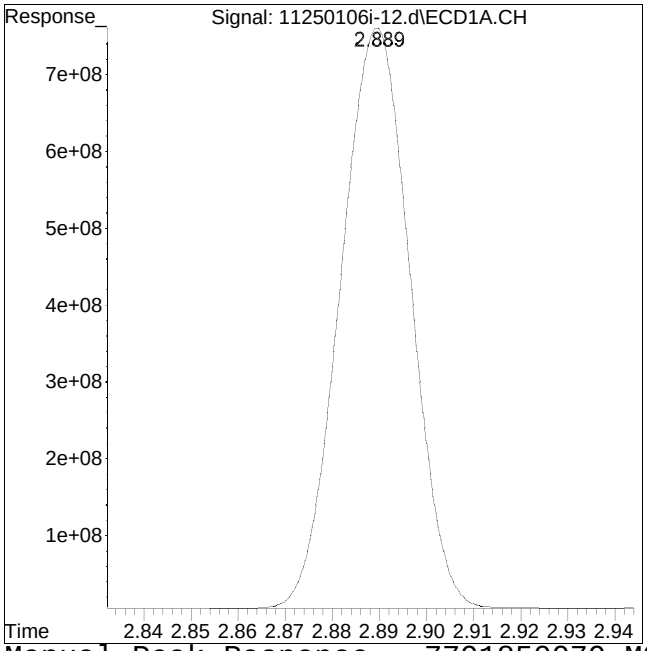
Original Peak Response = 3945898675 Manual Peak Response = 3943317496 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-12.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:34 Instrument : Pest 11
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:54 am

Compound #9: Aldrin



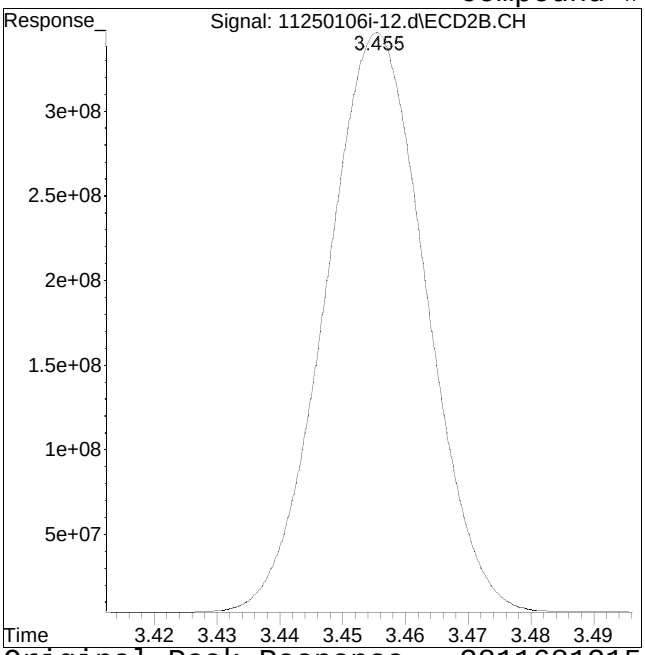


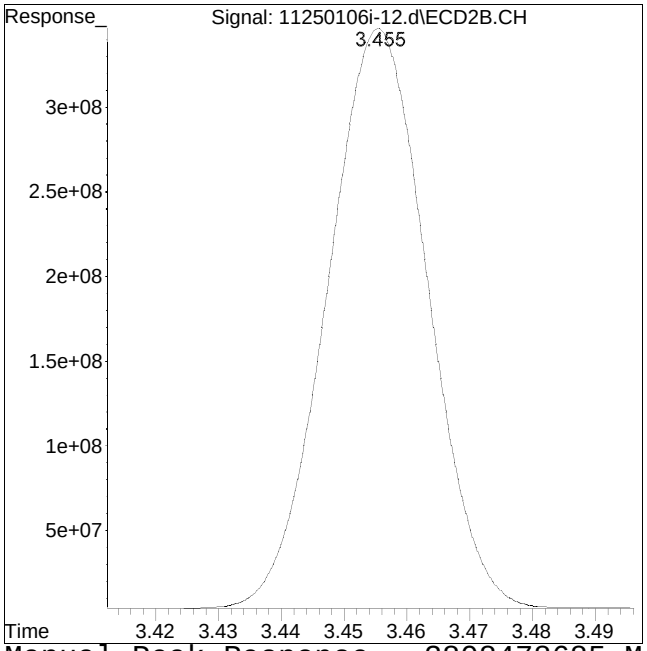
Original Peak Response = 7799905027 Manual Peak Response = 7791850079 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-12.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:34 Instrument : Pest 11
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:54 am

Compound #47: Aldrin #2



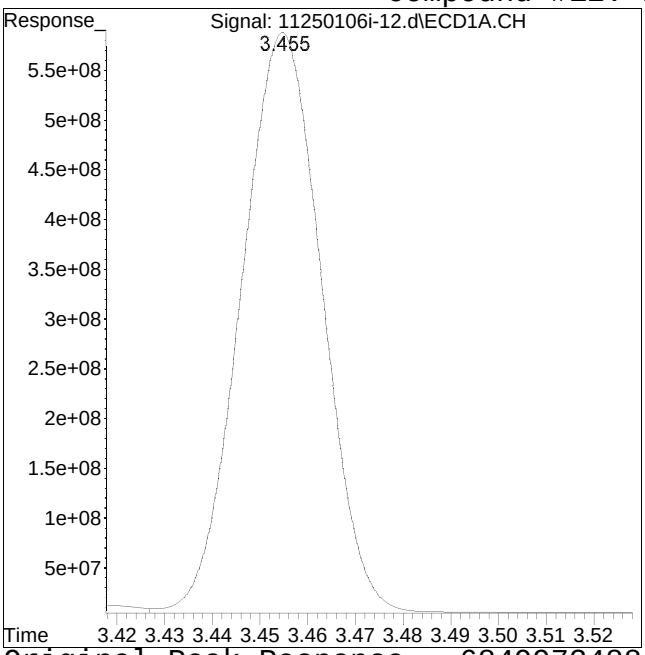


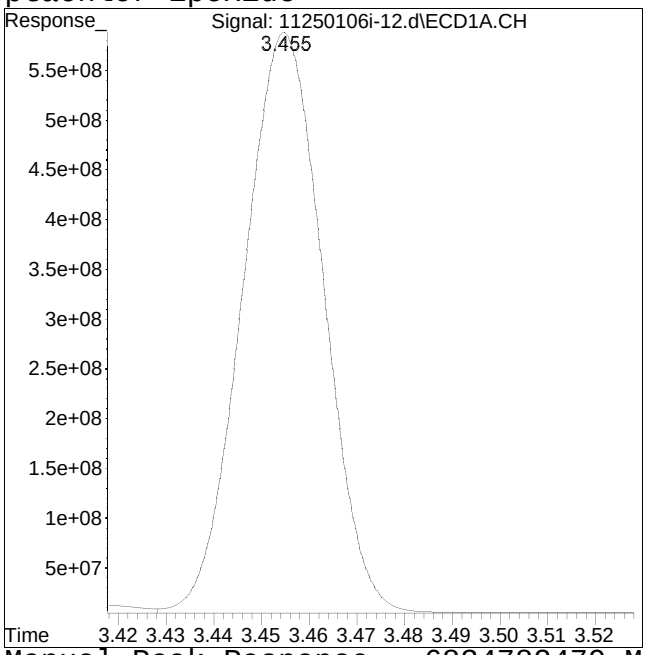
Original Peak Response = 3811681215 Manual Peak Response = 3808478685 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-12.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:34 Instrument : Pest 11
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:54 am

Compound #12: Heptachlor Epoxide





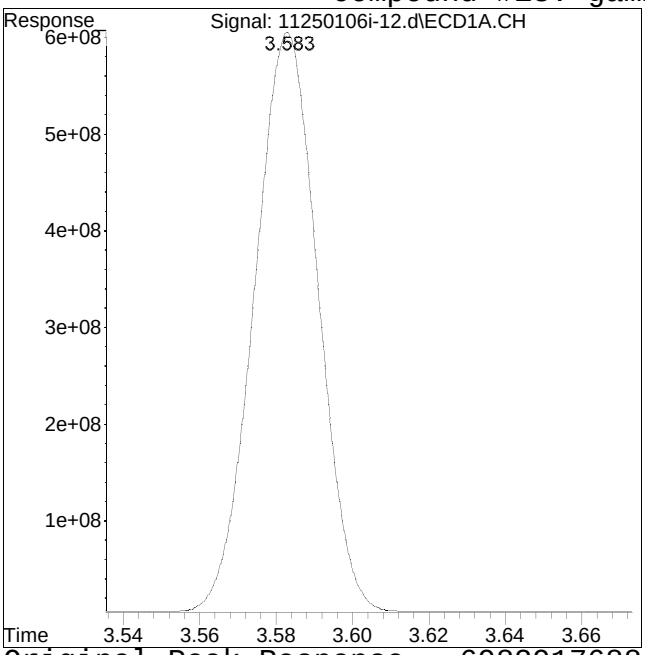
Original Peak Response = 6849973488 Manual Peak Response = 6834782479 M4
M4 = Poor automated baseline construction.

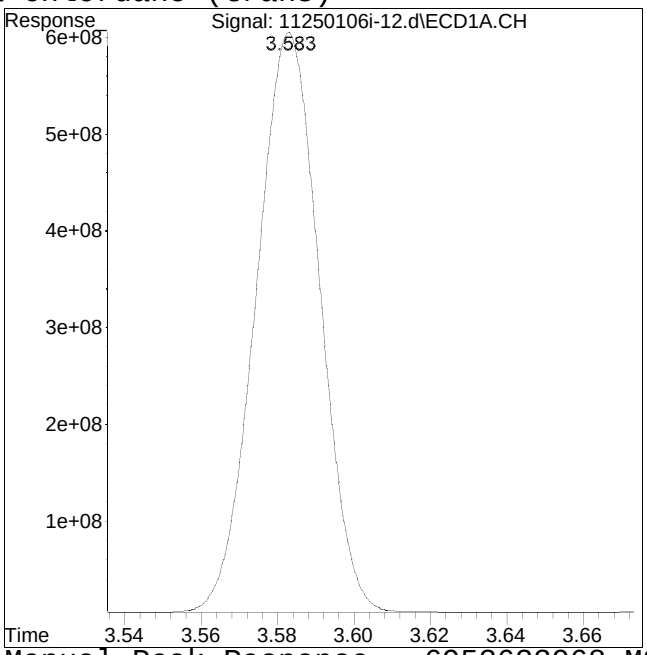
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-12.d
Date Inj'd : 1/6/2025 14:34
Sample : il11pest,42e,,pp 11941 L0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:54 am

Compound #13: gamma-Chlordane (trans)





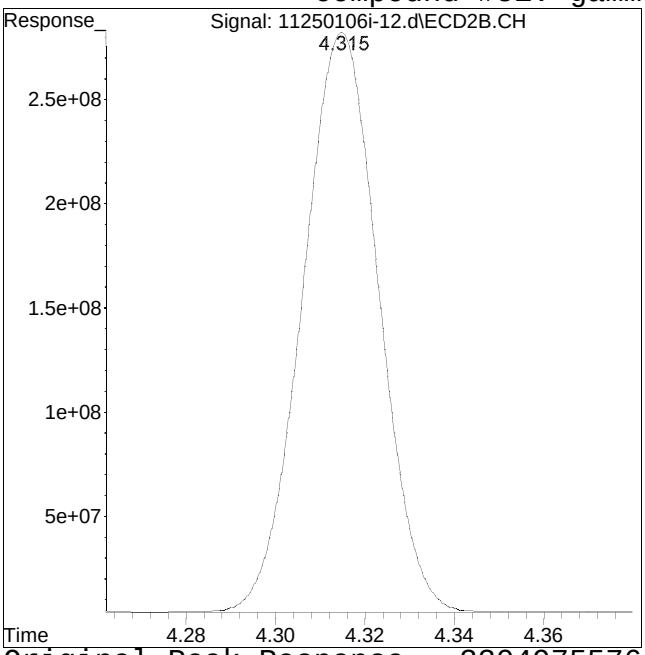
Original Peak Response = 6982917688 Manual Peak Response = 6953633968 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

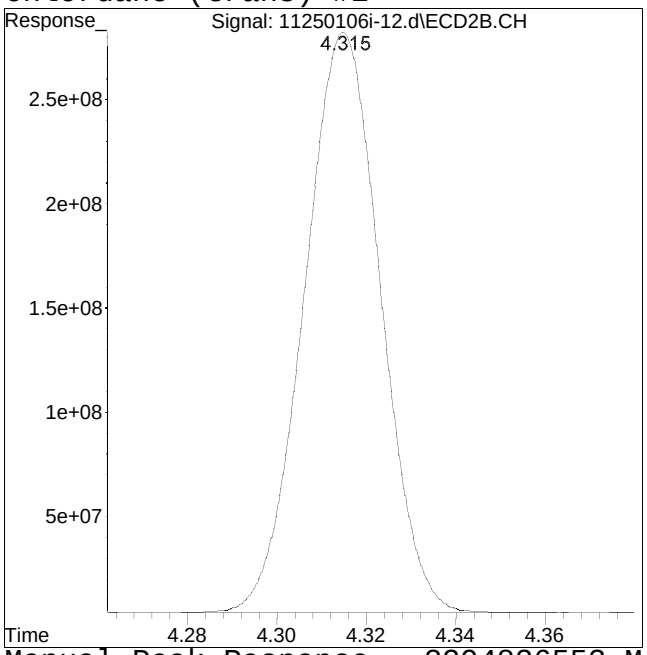
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-12.d
Date Inj'd : 1/6/2025 14:34
Sample : il11pest,42e,,pp 11941 L0.

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:54 am

Compound #51: gamma-Chlordane (trans) #2



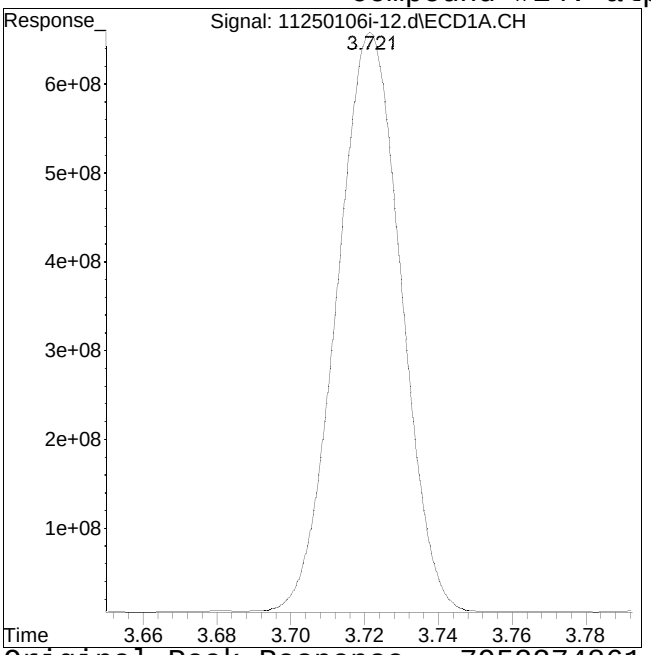


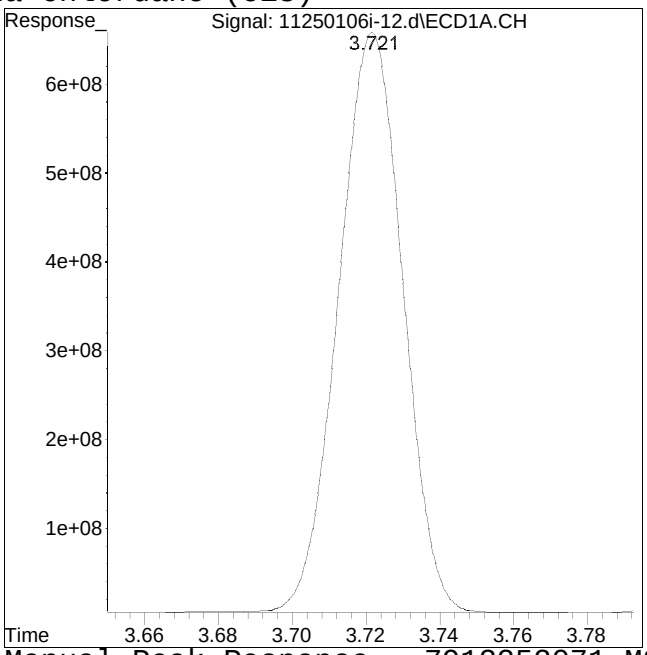
Original Peak Response = 3304975576 Manual Peak Response = 3294836553 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-12.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:34 Instrument : Pest 11
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:54 am

Compound #14: alpha-Chlordane (cis)





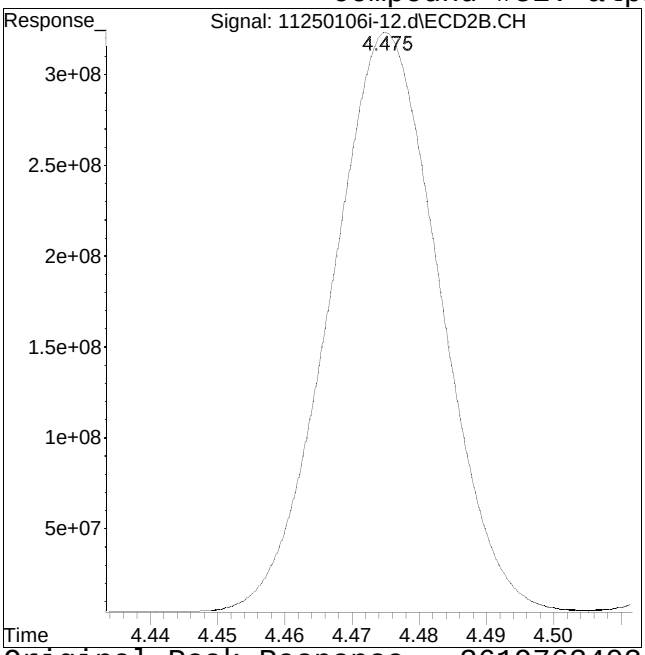
Original Peak Response = 7952274861 Manual Peak Response = 7912252071 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

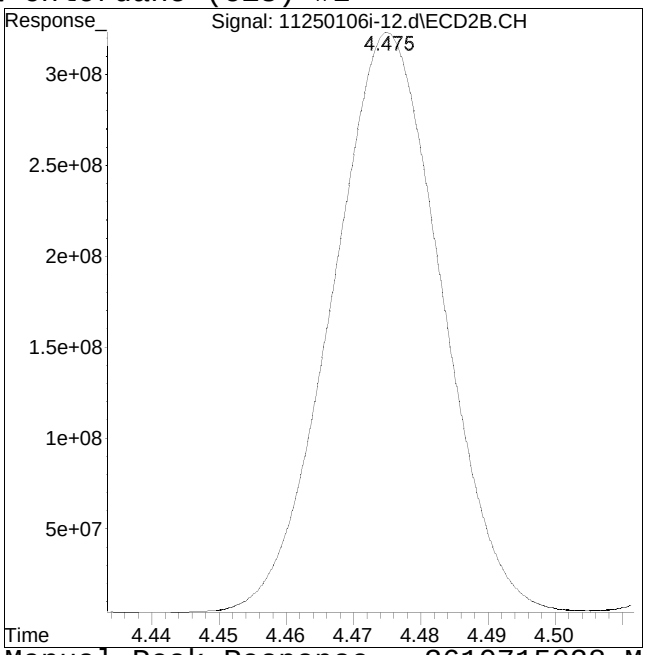
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-12.d
Date Inj'd : 1/6/2025 14:34
Sample : il11pest,42e,,pp 11941 L0.

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:54 am

Compound #52: alpha-Chlordane (cis) #2





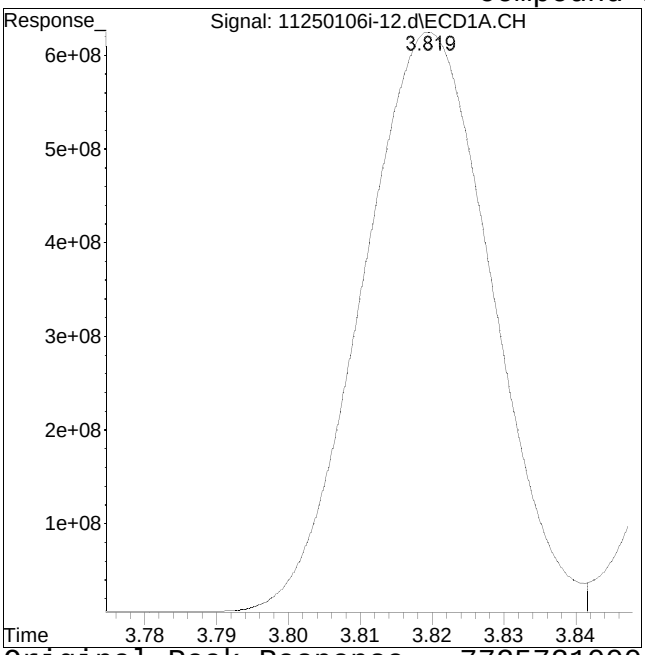
Original Peak Response = 3619763403 Manual Peak Response = 3610715028 M4
M4 = Poor automated baseline construction.

Manual Integration Report

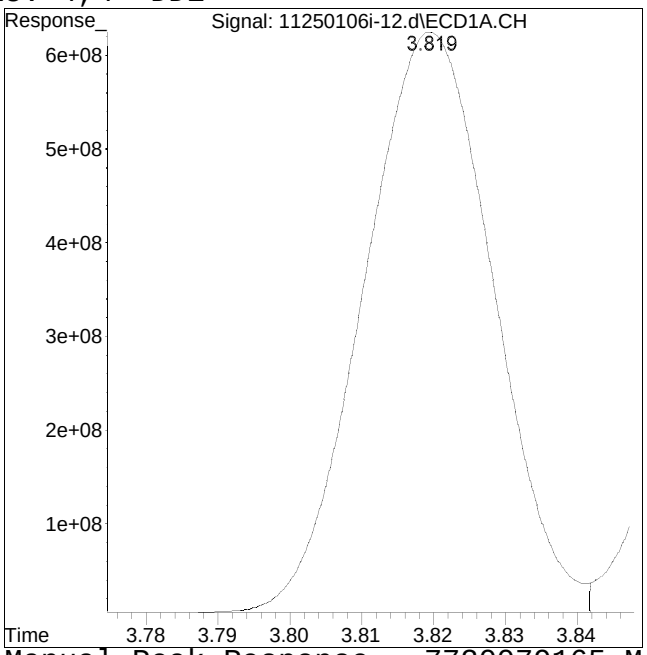
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-12.d
Date Inj'd : 1/6/2025 14:34
Sample : il11pest,42e,,pp 11941 L0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:54 am

Compound #15: 4,4'-DDE



Original Peak Response = 7725721000



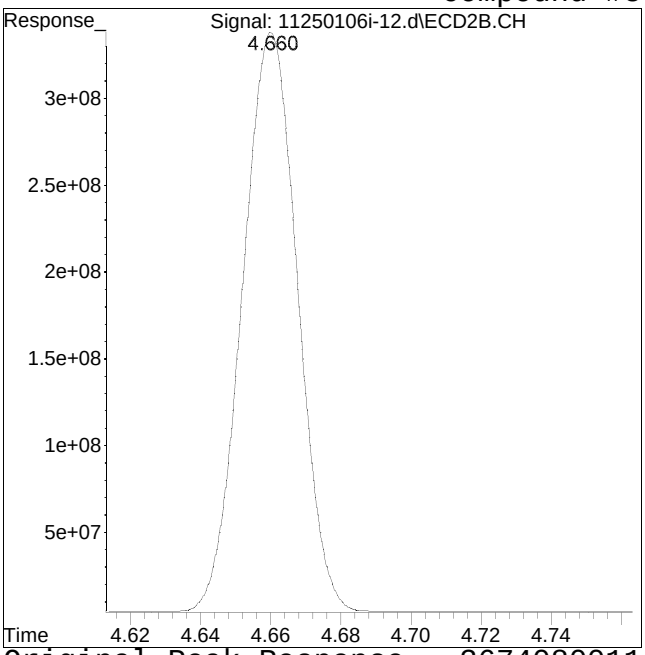
Manual Peak Response = 7720079165 M4

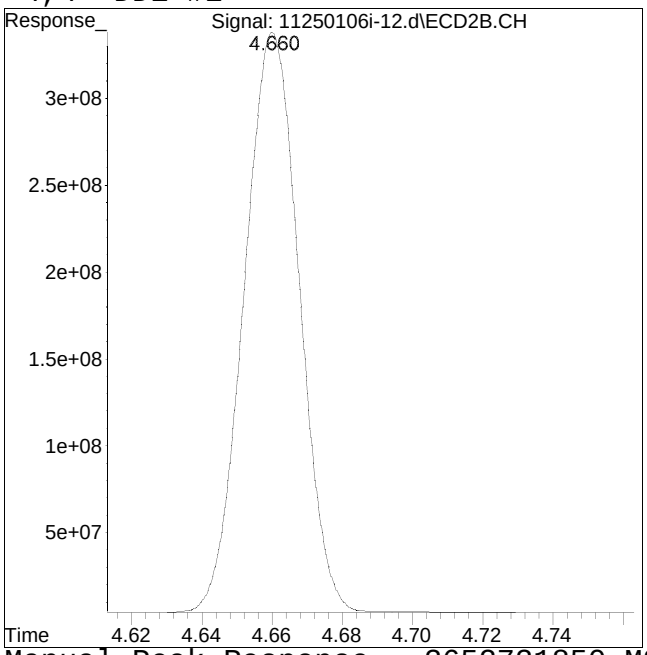
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-12.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:34 Instrument : Pest 11
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:54 am

Compound #53: 4,4'-DDE #2



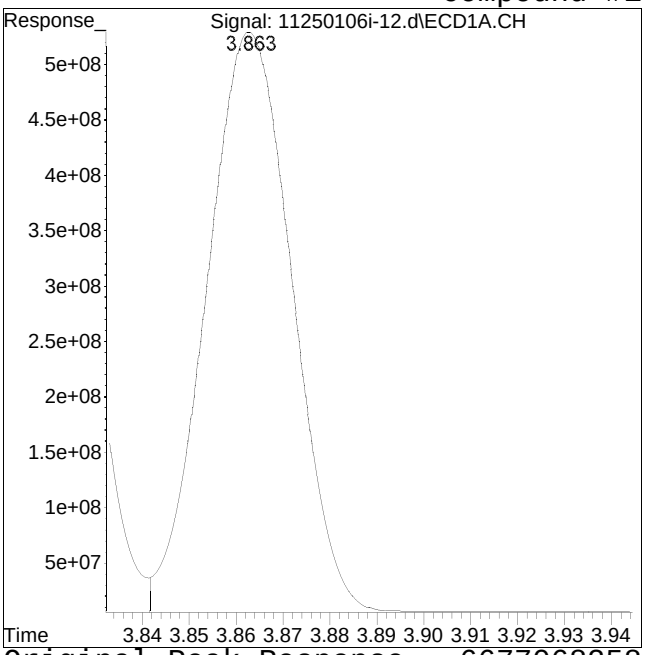


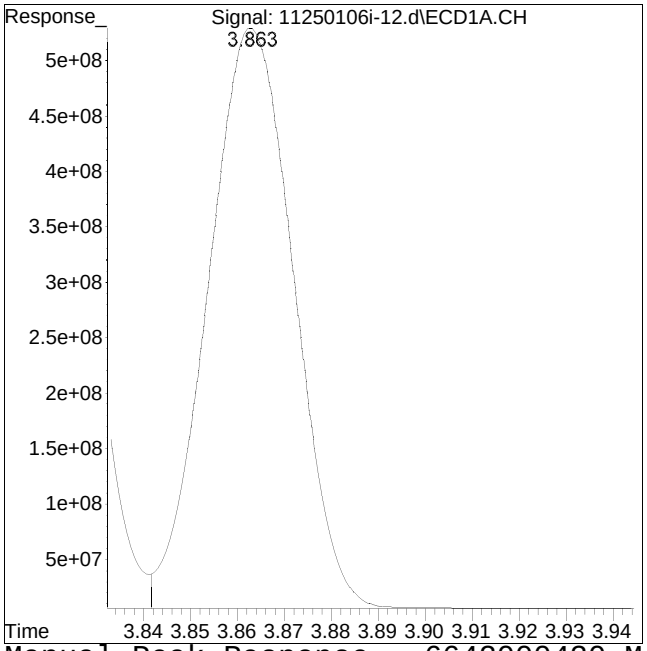
Original Peak Response = 3674080011 Manual Peak Response = 3652731850 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-12.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:34 Instrument : Pest 11
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:54 am

Compound #16: Endosulfan I



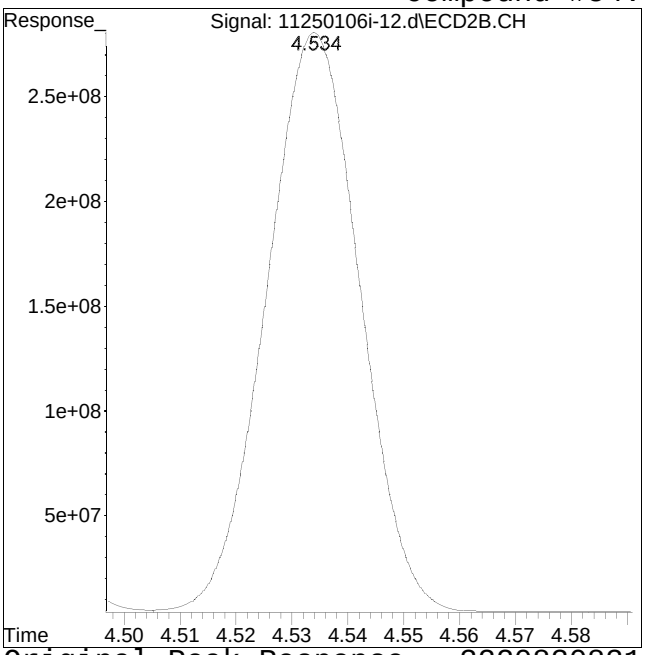


Original Peak Response = 6677068258 Manual Peak Response = 6642000430 M4
M4 = Poor automated baseline construction.

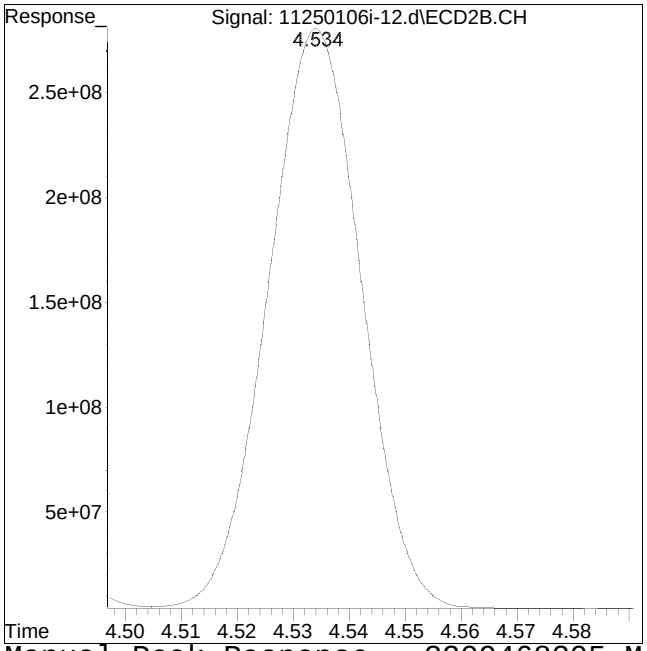
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-12.d
Date Inj'd : 1/6/2025 14:34
Sample : il11pest,42e,,pp 11941 L0.
Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:54 am

Compound #54: Endosulfan I #2



Original Peak Response = 3220830831



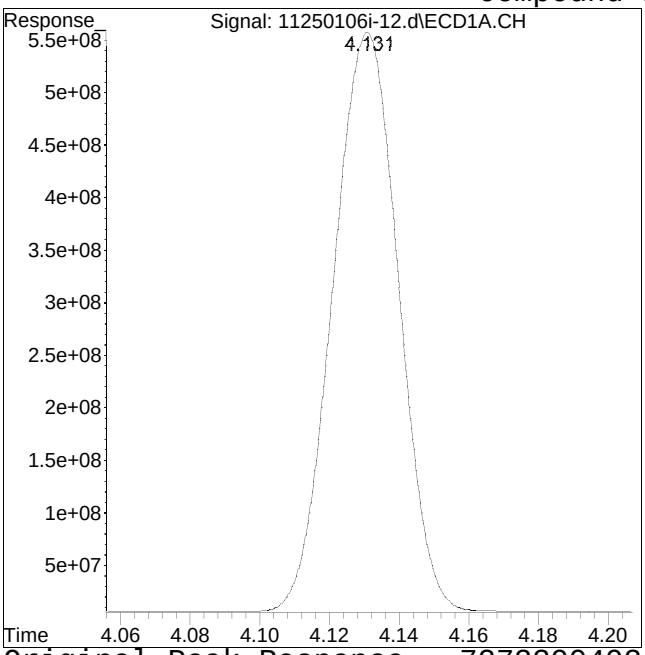
Manual Peak Response = 3209468205 M4

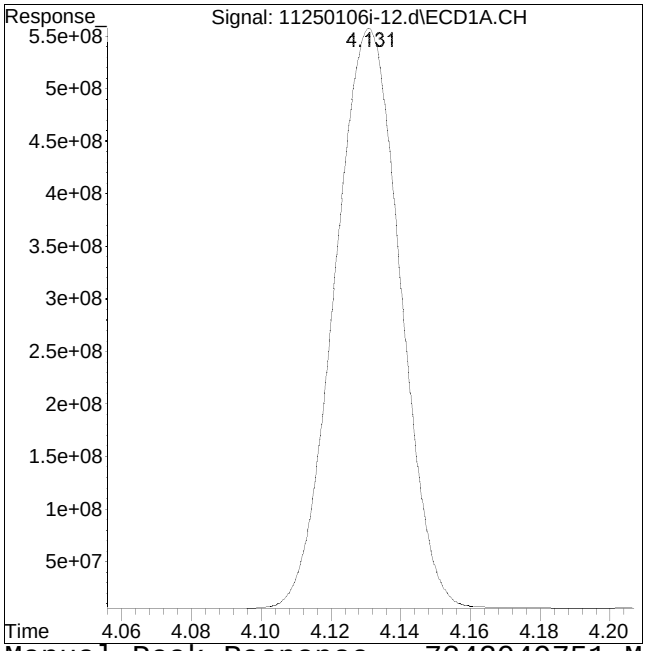
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-12.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:34 Instrument : Pest 11
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:54 am

Compound #17: Dieldrin





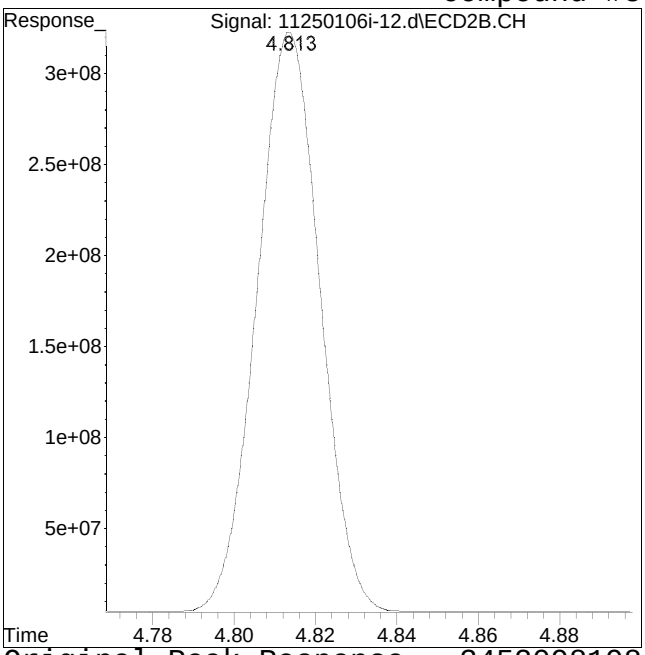
Original Peak Response = 7273399493 Manual Peak Response = 7242049751 M4
M4 = Poor automated baseline construction.

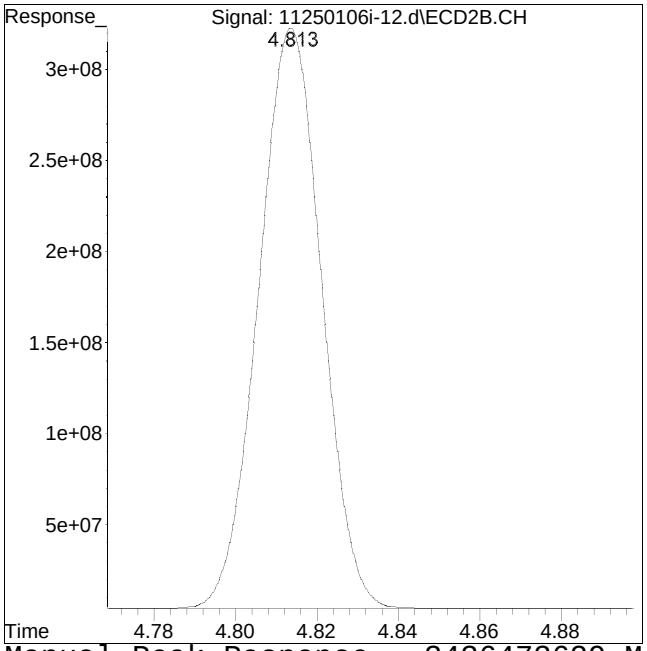
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-12.d
Date Inj'd : 1/6/2025 14:34
Sample : il11pest,42e,,pp 11941 L0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:54 am

Compound #55: Dieldrin #2



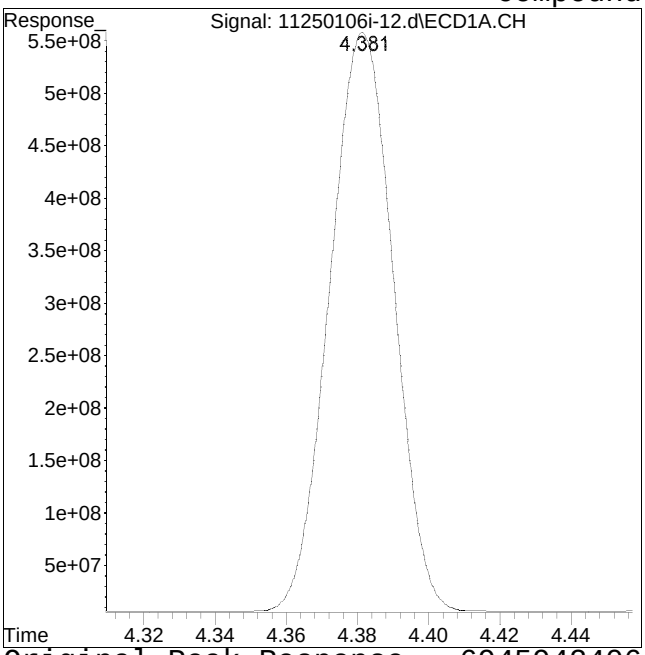


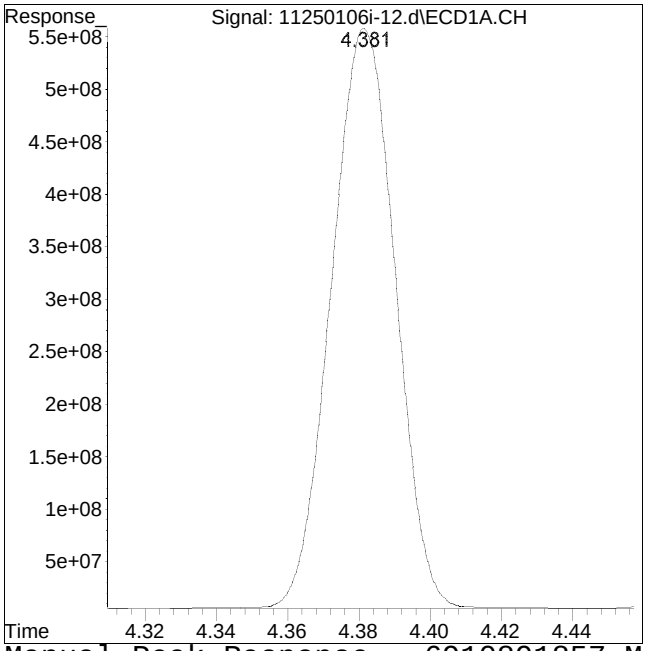
Original Peak Response = 3452098198 Manual Peak Response = 3436473629 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-12.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:34 Instrument : Pest 11
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:54 am

Compound #18: Endrin





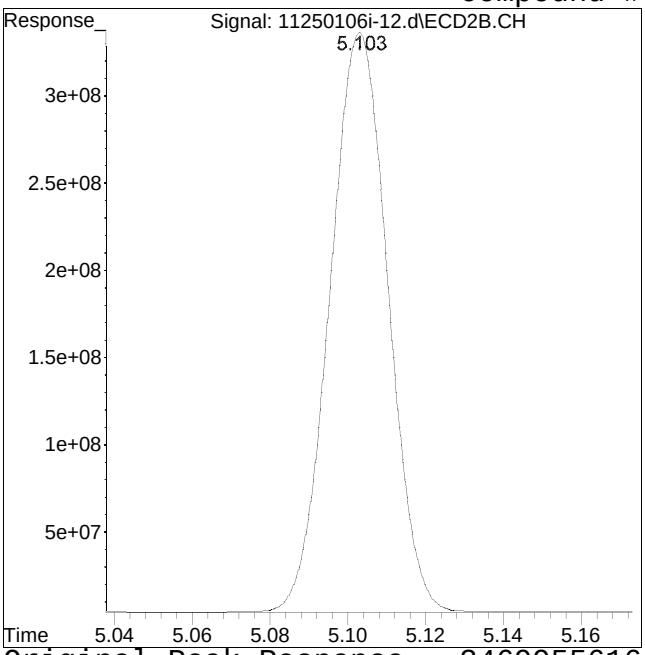
Original Peak Response = 6945942406 Manual Peak Response = 6910891857 M4
M4 = Poor automated baseline construction.

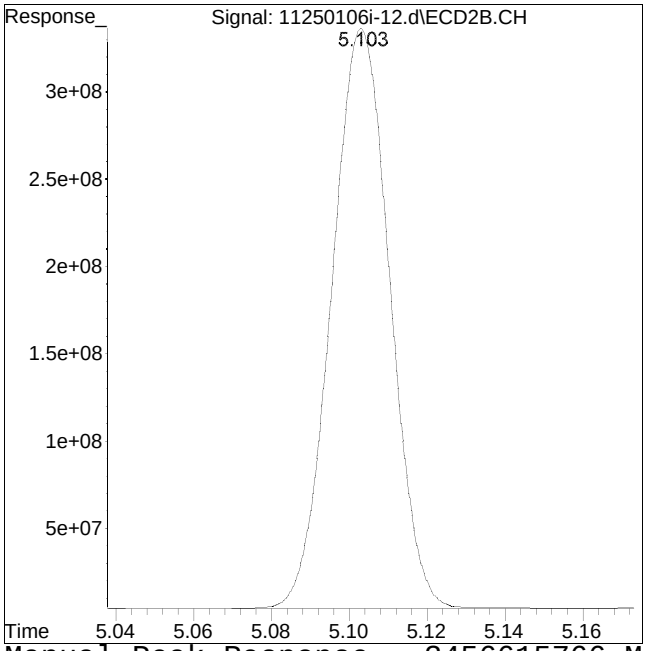
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-12.d
Date Inj'd : 1/6/2025 14:34
Sample : il11pest,42e,,pp 11941 L0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:54 am

Compound #56: Endrin #2



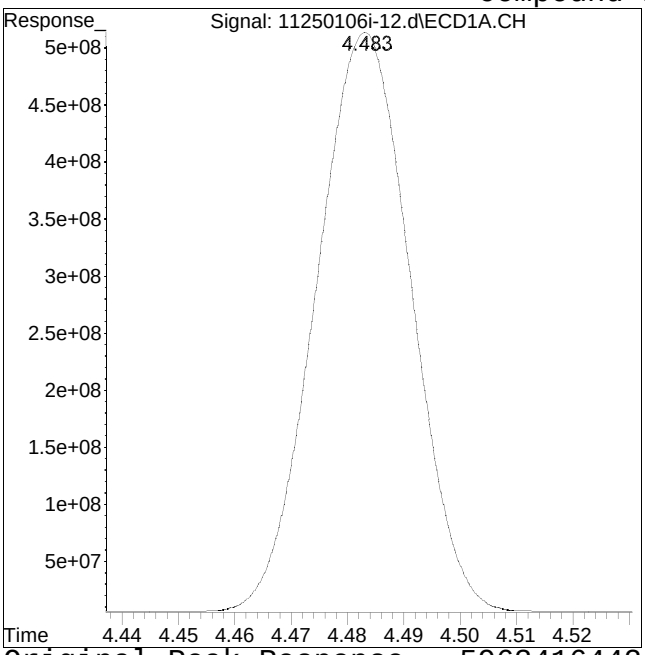


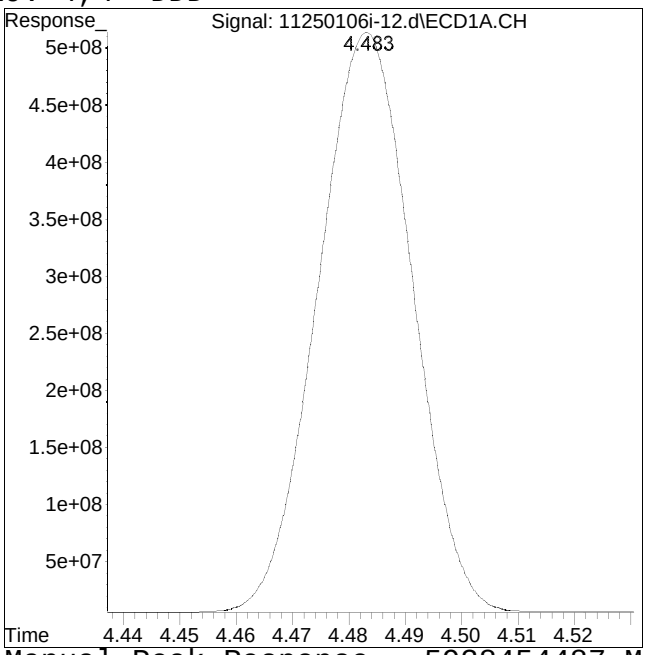
Original Peak Response = 3469955616 Manual Peak Response = 3456615766 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-12.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:34 Instrument : Pest 11
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:54 am

Compound #19: 4,4'-DDD



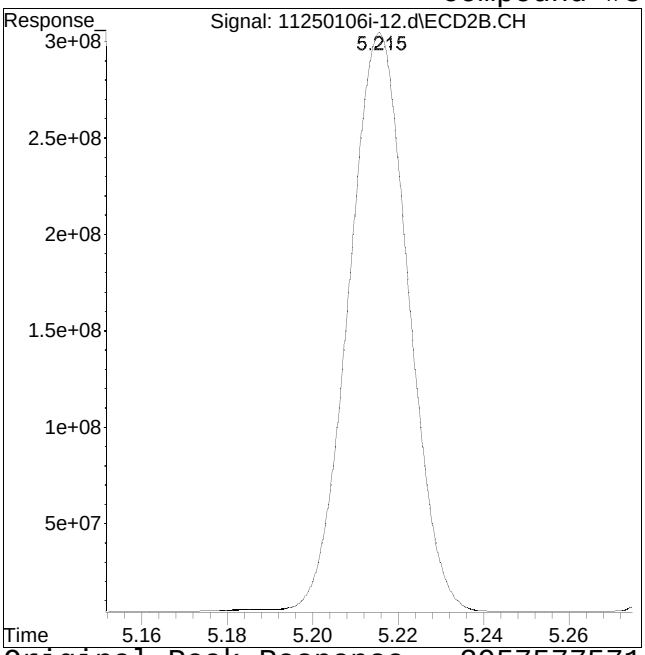


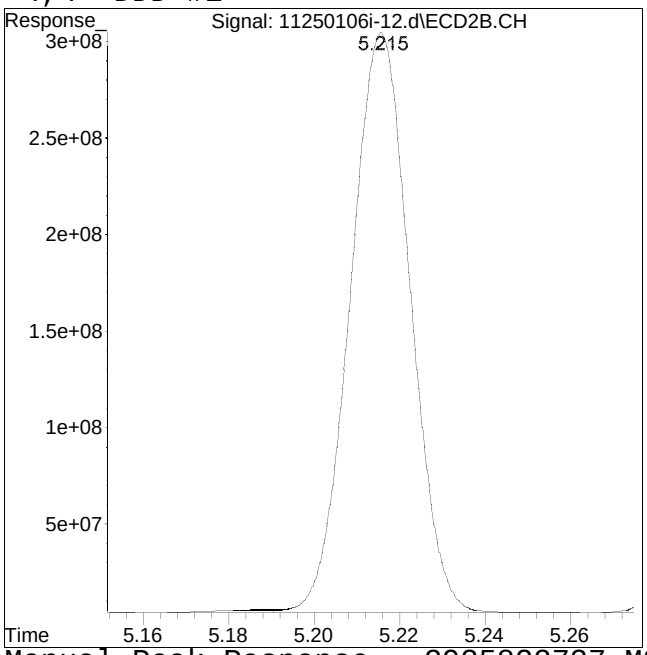
Original Peak Response = 5963416442 Manual Peak Response = 5938454487 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-12.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:34 Instrument : Pest 11
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:54 am

Compound #57: 4,4'-DDD #2



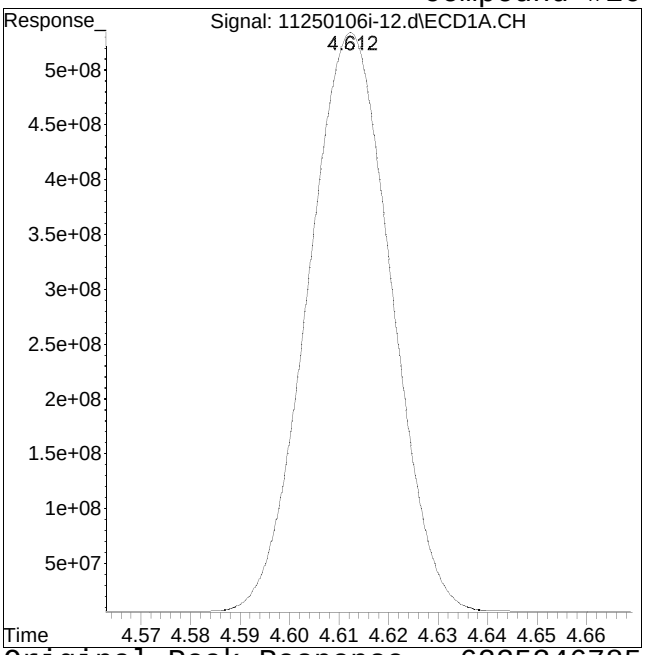


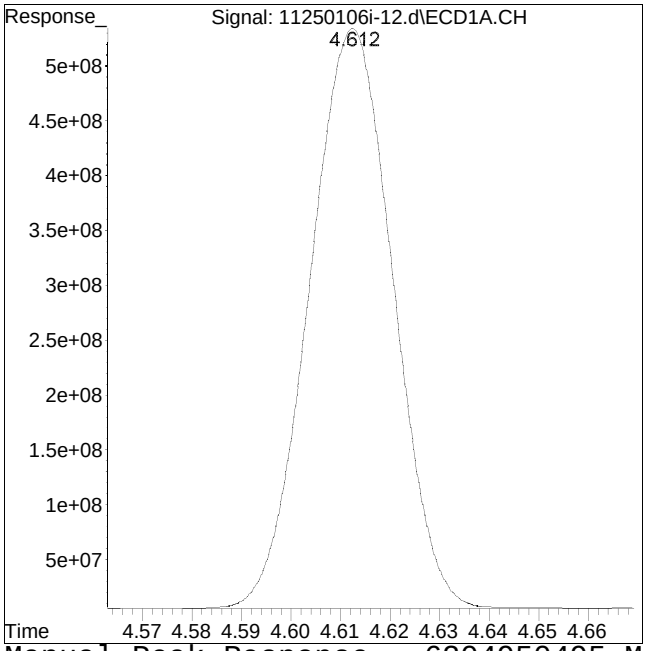
Original Peak Response = 2957577571 Manual Peak Response = 2925822737 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-12.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:34 Instrument : Pest 11
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:54 am

Compound #20: Endosulfan II



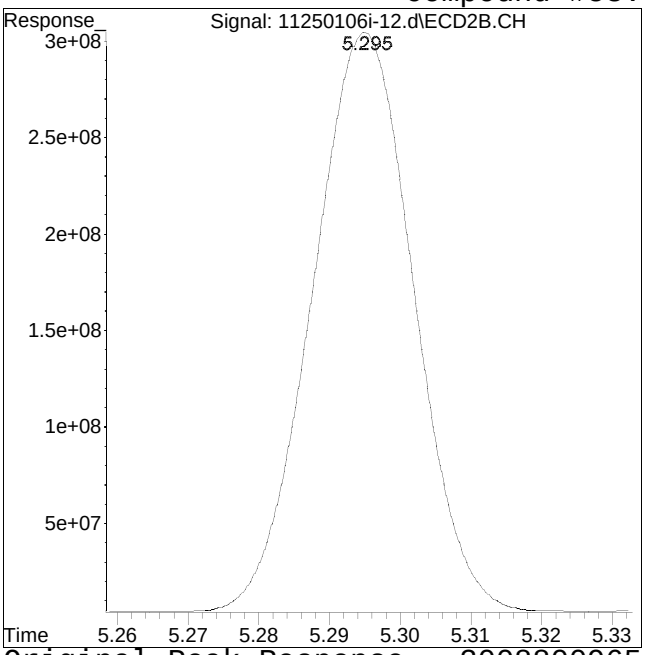


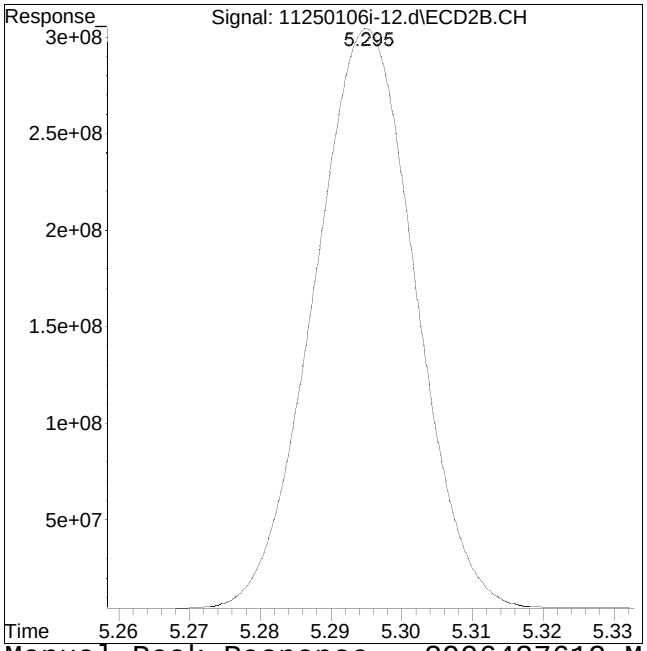
Original Peak Response = 6235346785 Manual Peak Response = 6204950495 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-12.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:34 Instrument : Pest 11
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:54 am

Compound #58: Endosulfan II #2





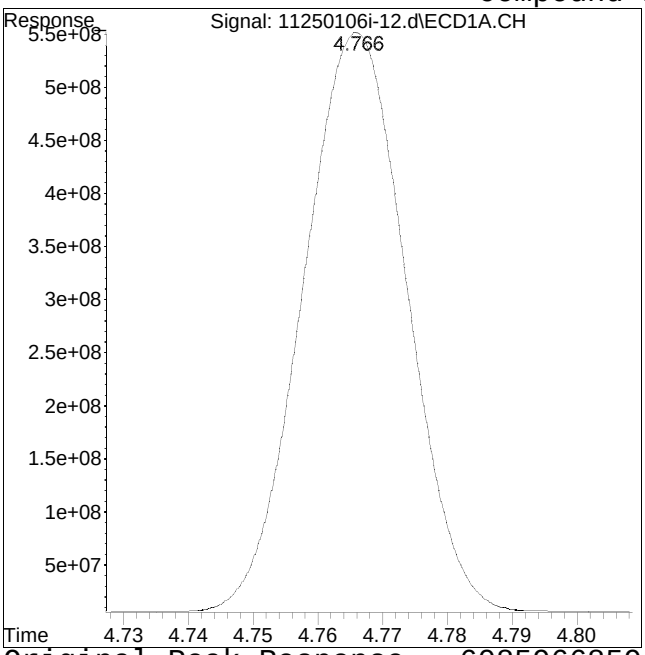
Original Peak Response = 3008800965 Manual Peak Response = 2996437612 M4
M4 = Poor automated baseline construction.

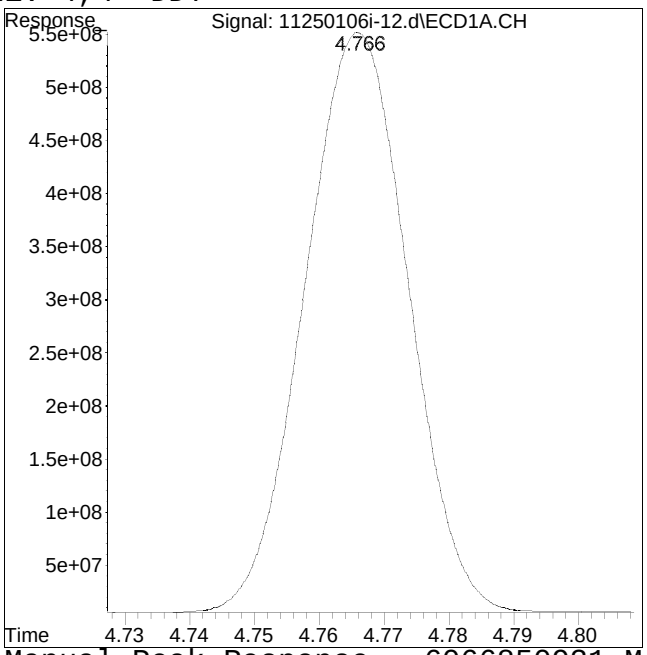
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-12.d
Date Inj'd : 1/6/2025 14:34
Sample : il11pest,42e,,pp 11941 L0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:54 am

Compound #21: 4,4'-DDT



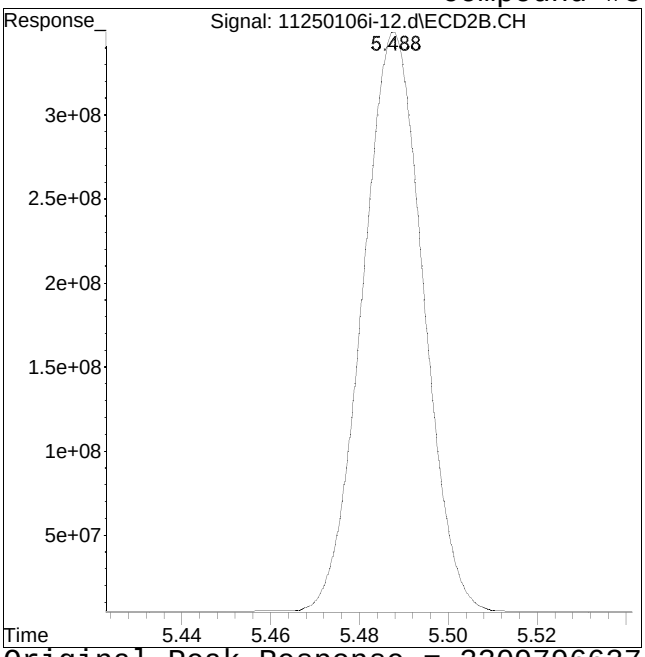


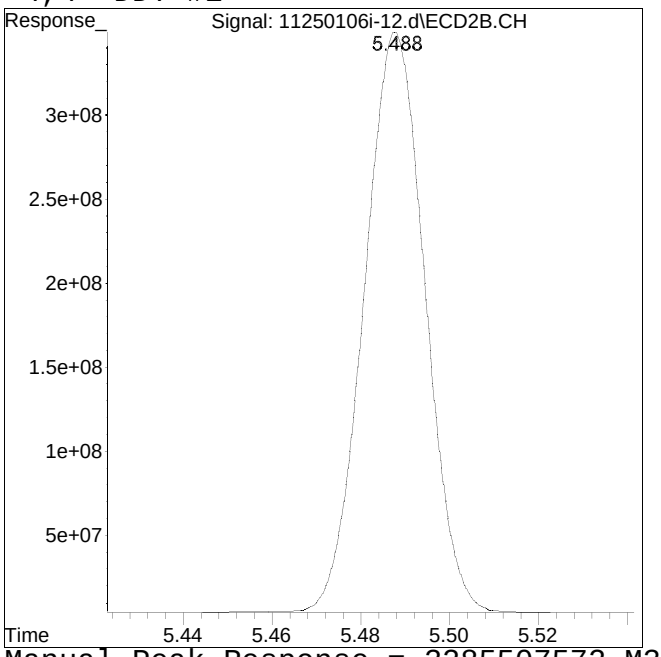
Original Peak Response = 6085966859 Manual Peak Response = 6066850931 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-12.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:34 Instrument : Pest 11
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:54 am

Compound #59: 4,4'-DDT #2



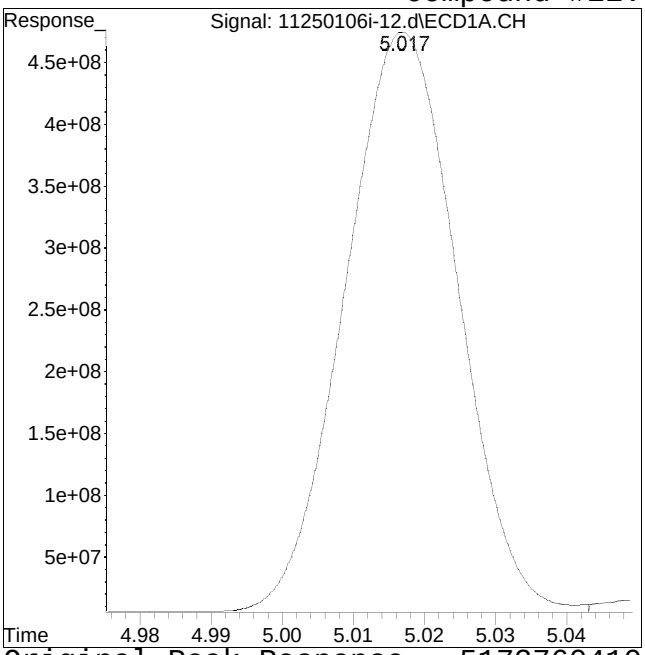


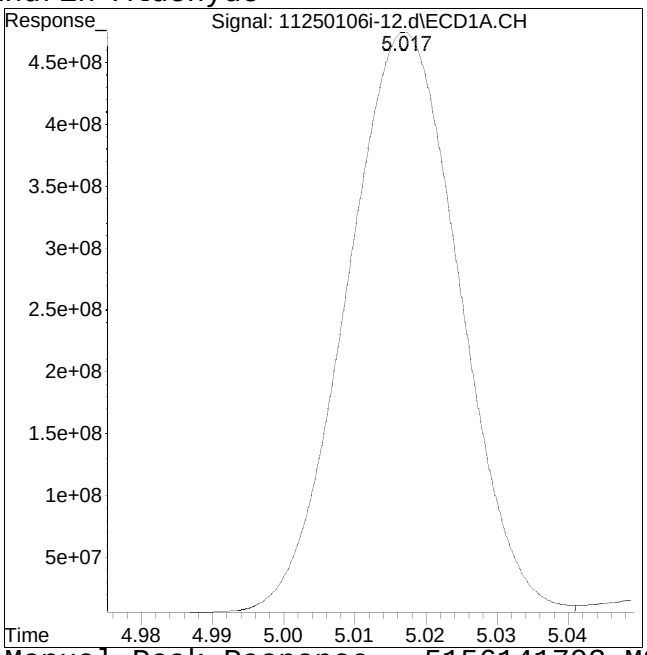
Original Peak Response = 3309796637 Manual Peak Response = 3285507572 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-12.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:34 Instrument : Pest 11
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:54 am

Compound #22: Endrin Aldehyde



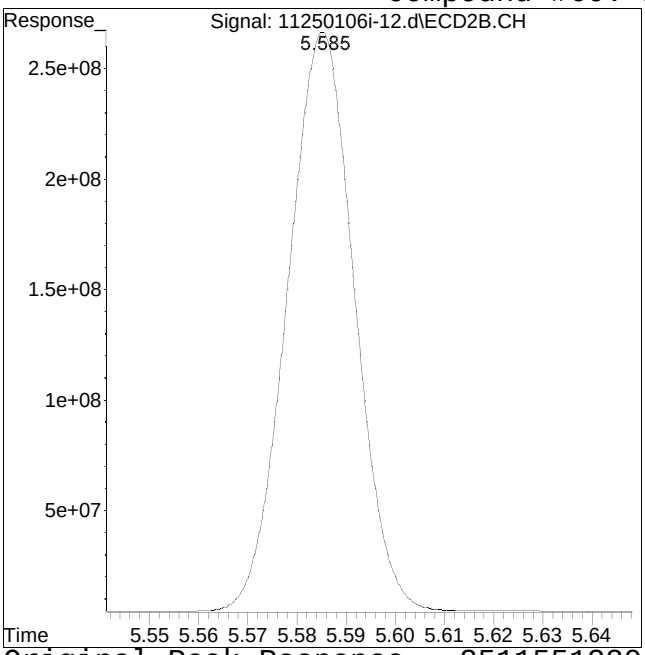


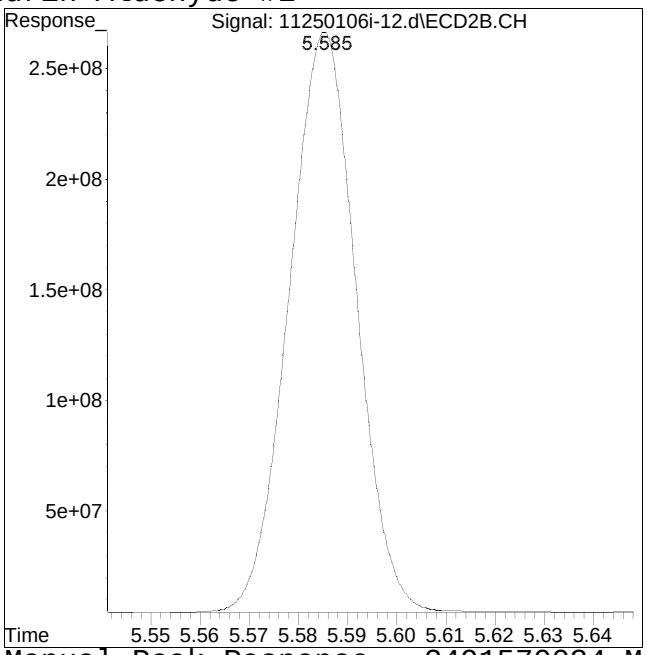
Original Peak Response = 5173760410 Manual Peak Response = 5156141703 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-12.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:34 Instrument : Pest 11
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:54 am

Compound #60: Endrin Aldehyde #2



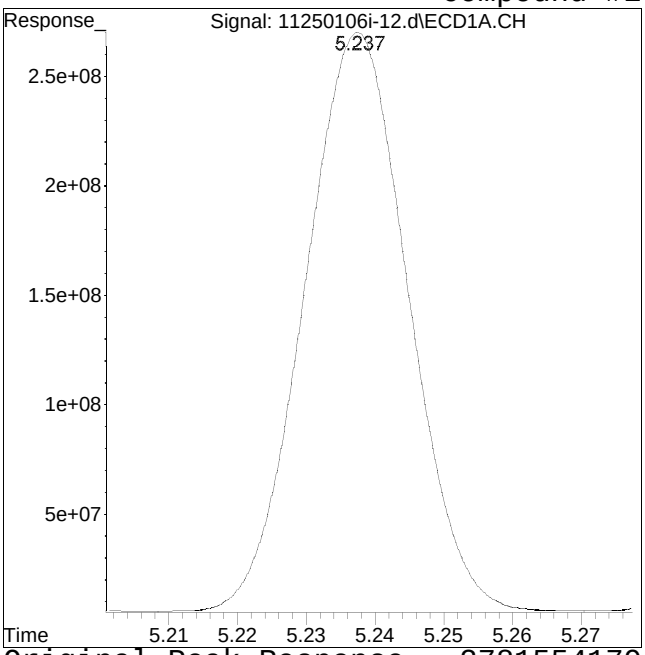


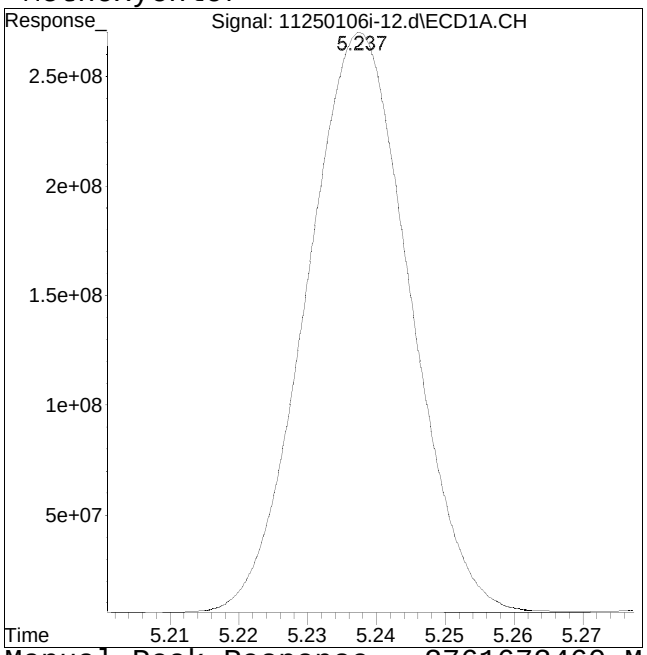
Original Peak Response = 2511551220 Manual Peak Response = 2491570034 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-12.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:34 Instrument : Pest 11
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:54 am

Compound #23: Methoxychlor



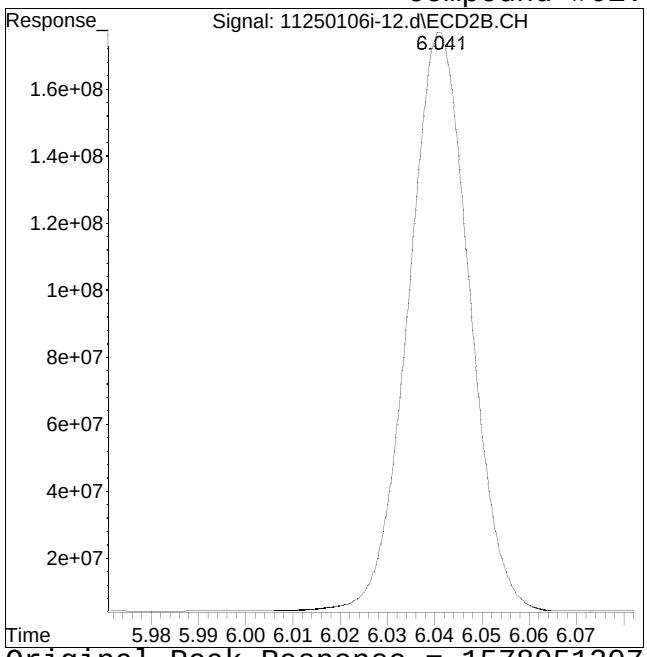


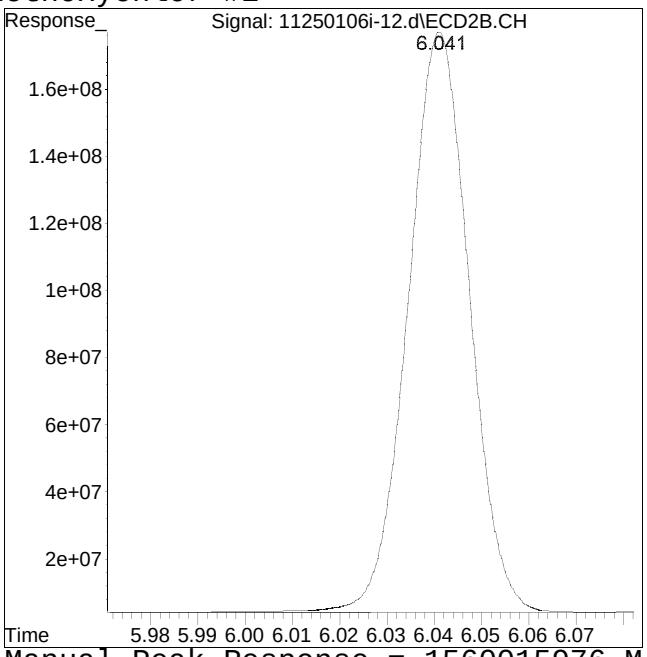
Original Peak Response = 2781554179 Manual Peak Response = 2761673460 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-12.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:34 Instrument : Pest 11
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:54 am

Compound #61: Methoxychlor #2



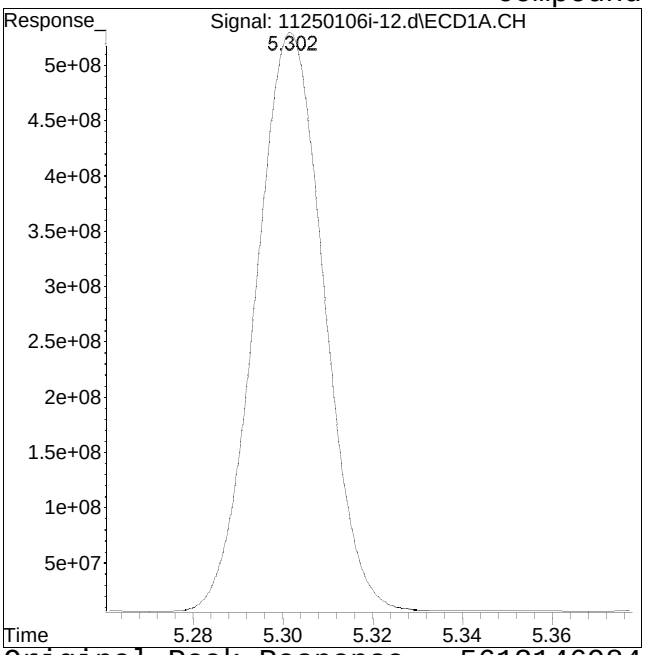


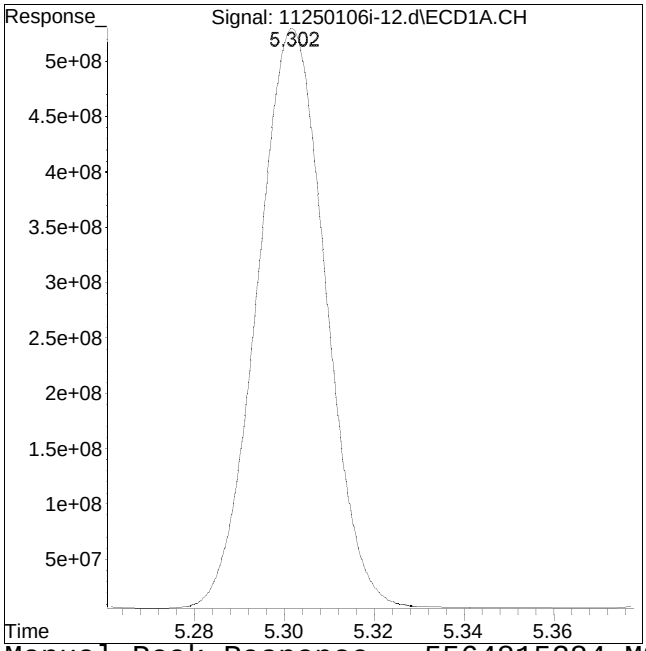
Original Peak Response = 1578951207 Manual Peak Response = 1560015976 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-12.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:34 Instrument : Pest 11
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:54 am

Compound #24: Mirex





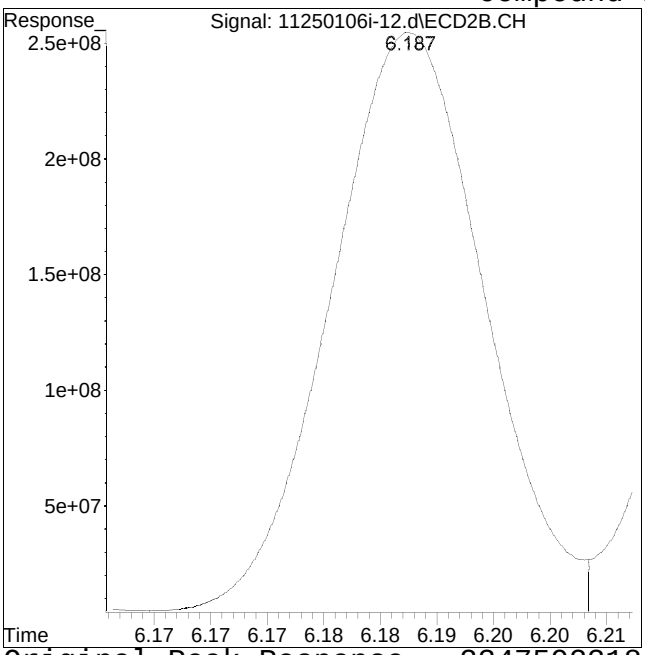
Original Peak Response = 5613146984 Manual Peak Response = 5564815284 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

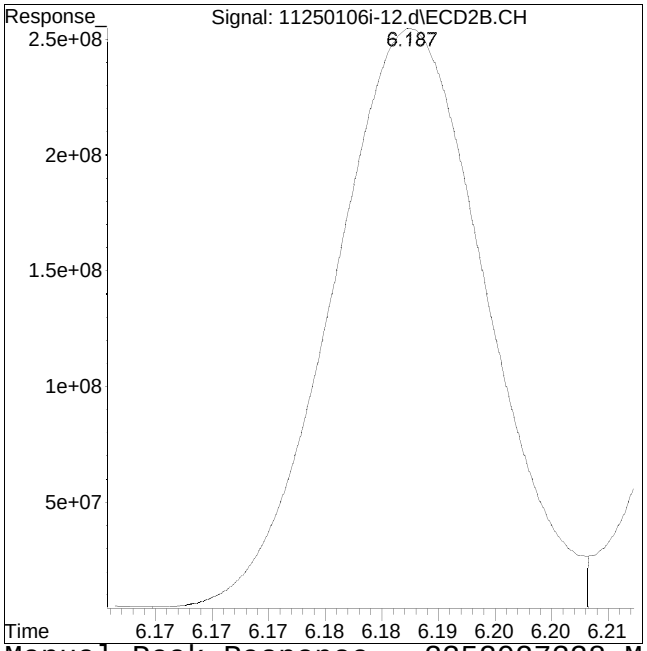
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-12.d
Date Inj'd : 1/6/2025 14:34
Sample : il11pest,42e,,pp 11941 L0.

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:54 am

Compound #62: Mirex #2



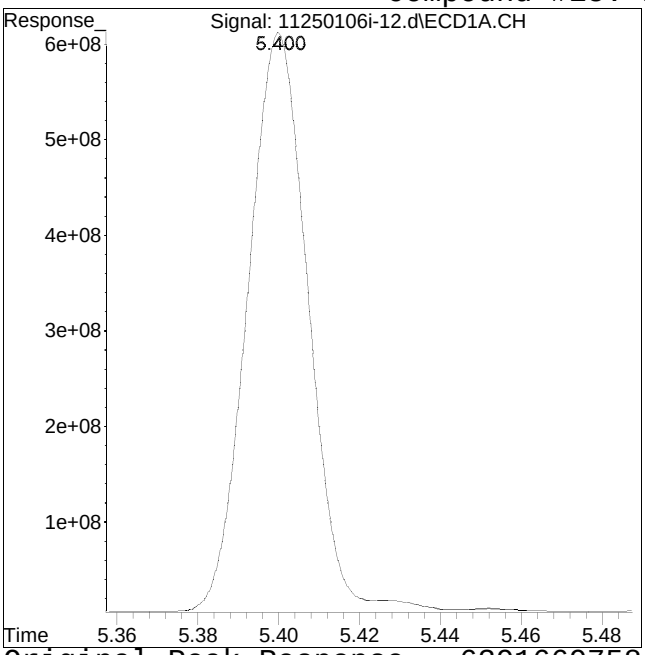


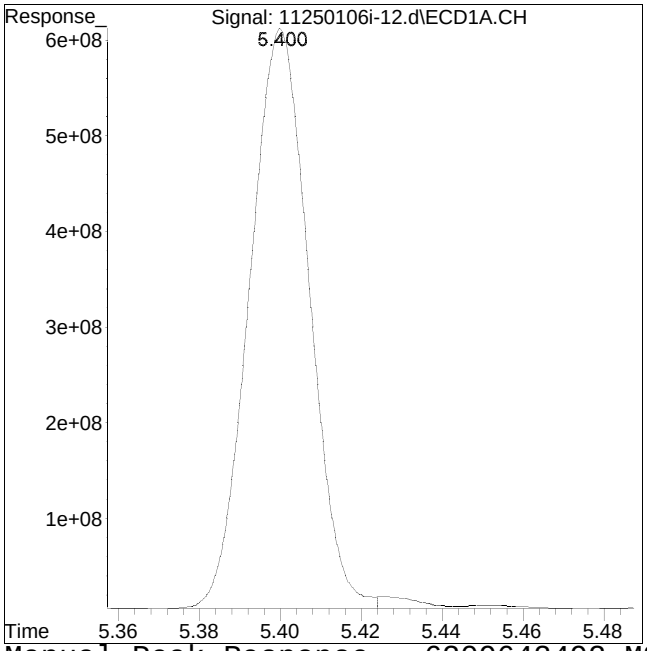
Original Peak Response = 2347592318 Manual Peak Response = 2352027338 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-12.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:34 Instrument : Pest 11
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:54 am

Compound #25: Endosulfan Sulfate





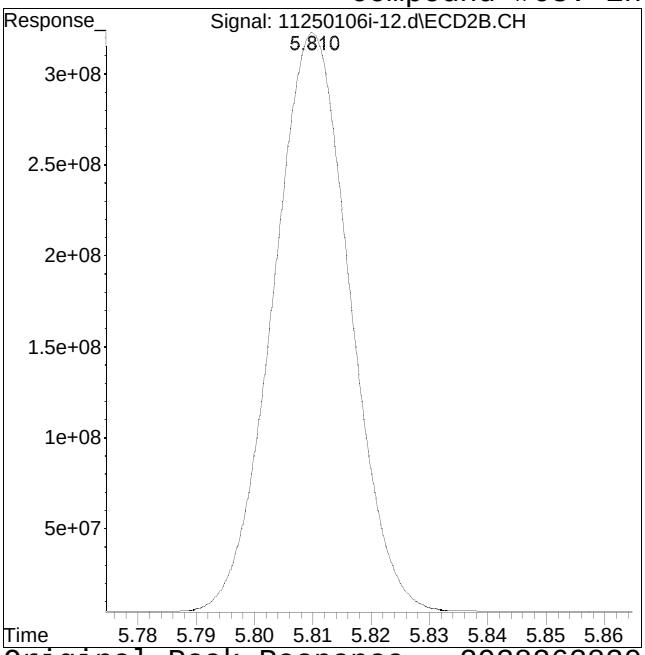
Original Peak Response = 6391669758 Manual Peak Response = 6209642492 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

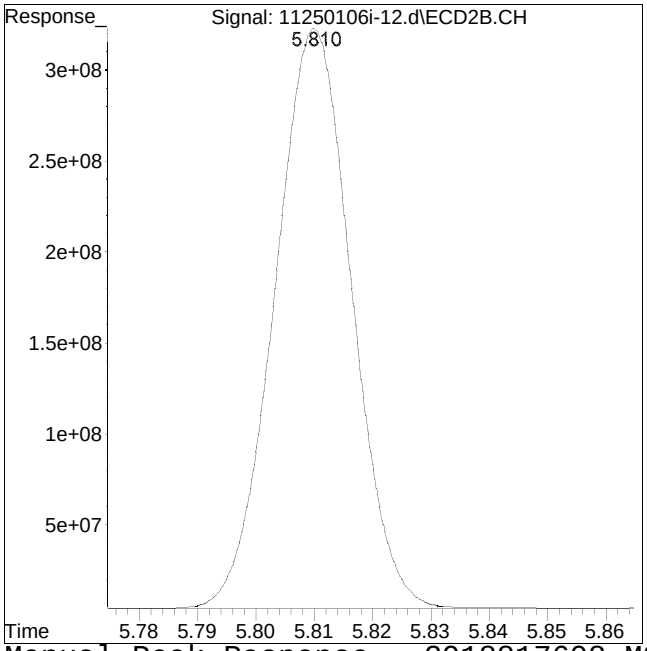
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-12.d
Date Inj'd : 1/6/2025 14:34
Sample : il11pest,42e,,pp 11941 L0

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:54 am

Compound #63: Endosulfan Sulfate #2



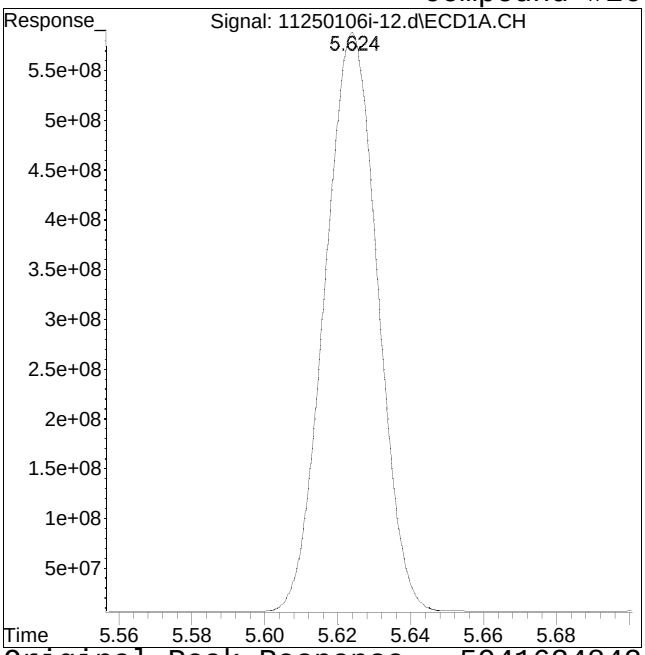


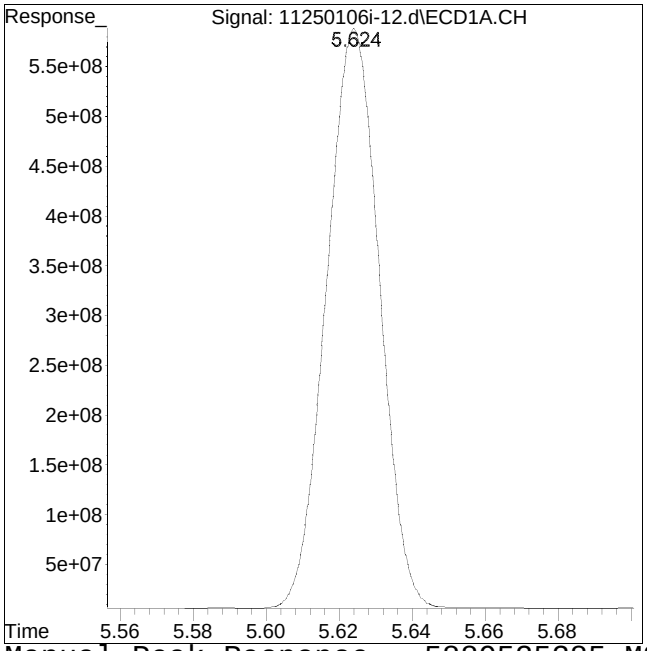
Original Peak Response = 2938263830 Manual Peak Response = 2918817608 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-12.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:34 Instrument : Pest 11
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:54 am

Compound #26: Endrin Ketone





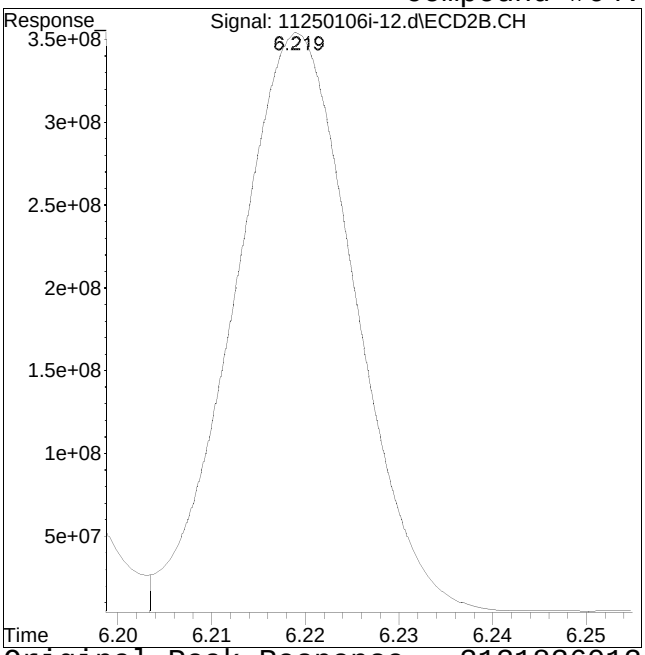
Original Peak Response = 5941624842 Manual Peak Response = 5889535385 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

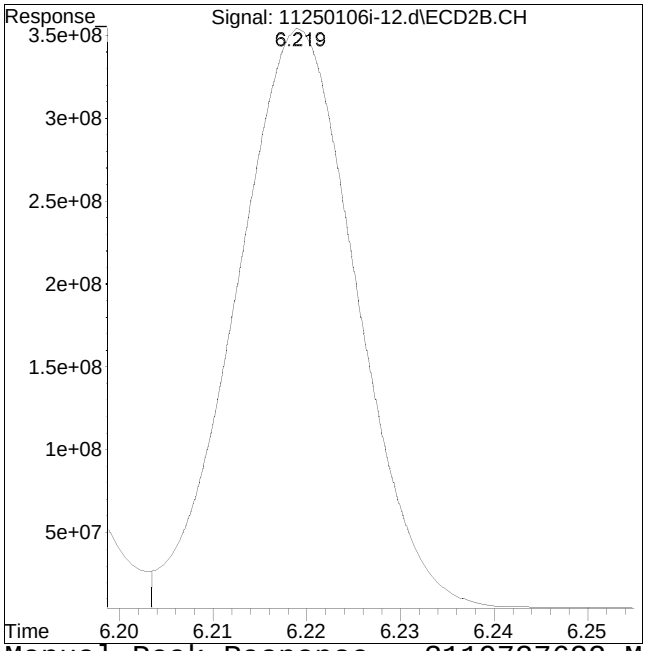
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-12.d
Date Inj'd : 1/6/2025 14:34
Sample : il11pest,42e,,pp 11941 L0.

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 11:54 am

Compound #64: Endrin Ketone #2



Original Peak Response = 3131836013



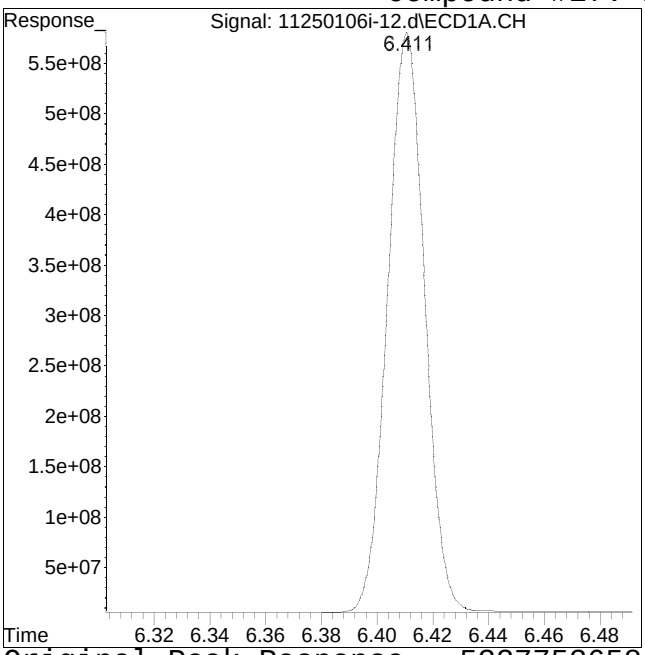
Manual Peak Response = 3119737622 M4

M4 = Poor automated baseline construction.

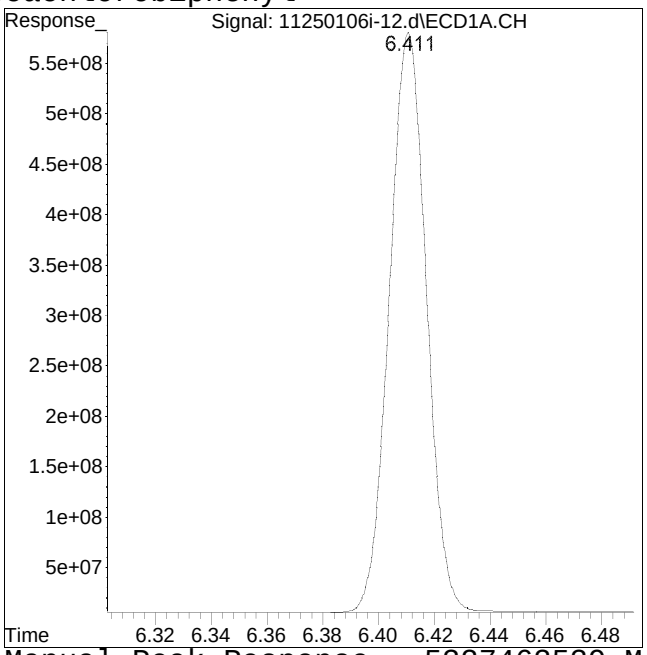
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-12.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:34 Instrument : Pest 11
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:54 am

Compound #27: Decachlorobiphenyl



Original Peak Response = 5337753658

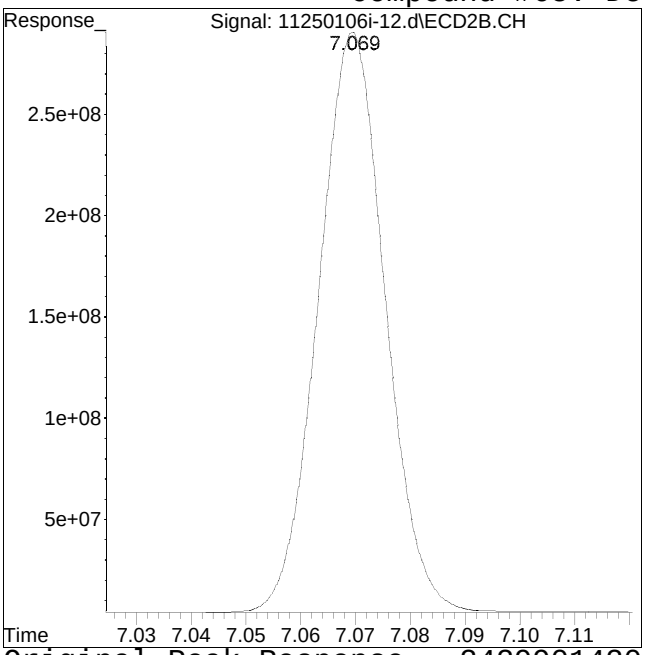


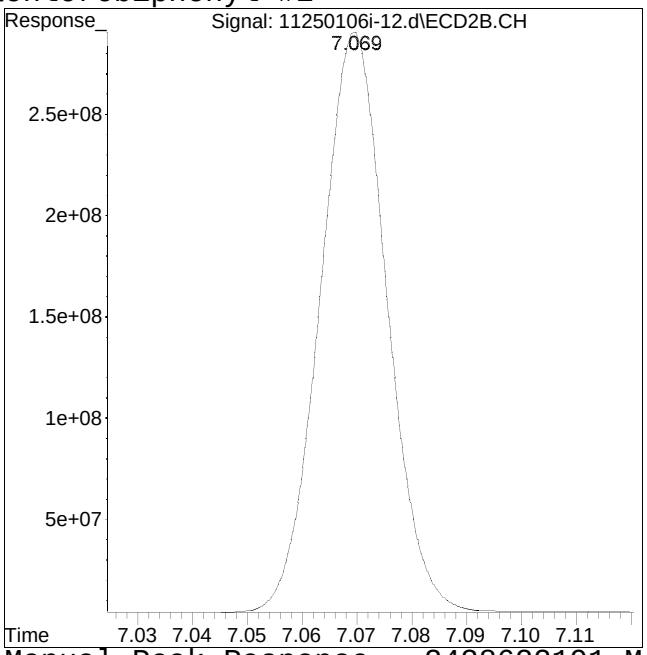
Manual Peak Response = 5327463539 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-12.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:34 Instrument : Pest 11
Sample : il11pest,42e,,pp 11941 L0.Quant Date : 1/7/2025 11:54 am

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 2429901420 Manual Peak Response = 2428622191 M4
M4 = Poor automated baseline construction.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 06 Jan 2025 14:45
Operator : PEST11:akm
Sample   : cicvpest,42e,,pp 11934 L0.05ICV
Misc   : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:42:49 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:42:49 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	110	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.214	1.233	-1.6	111	0.00
3	t	Hexachlorobenzene		1.339	1.322	1.3	112	0.00
4	t	alpha-BHC		1.626	1.804	-10.9	112	0.00
5	t	gamma-BHC (lindane)		1.491	1.572	-5.4	110	0.00
6	t	beta-BHC		0.694	0.660	4.9	110	0.00
7	t	delta-BHC		1.501	1.639	-9.2	112	0.00
8	t	Heptachlor		1.402	1.471	-4.9	112	0.00
9	t	Aldrin		1.400	1.533	-9.5	114	0.00
10	t	Alachlor		0.208	0.197	5.3	109	0.00
11	t	Chlorpyrifos		0.763	0.712	6.7	112	0.00
12	t	Heptachlor Epoxide		1.324	1.379	-4.2	113	0.00
13	t	gamma-Chlordane (trans)		1.279	1.444	-12.9	127	0.00
14	t	alpha-Chlordane (cis)		1.451	1.437	1.0	110	0.00
15	t	4,4'-DDE		1.327	1.431	-7.8	111	0.00
16	t	Endosulfan I		1.270	1.292	-1.7	110	0.00
17	t	Dieldrin		1.316	1.465	-11.3	120	0.00
18	t	Endrin		1.275	1.334	-4.6	110	0.00
19	t	4,4'-DDD		1.003	1.137	-13.4	119	0.00
20	t	Endosulfan II		1.185	1.237	-4.4	114	0.00
21	t	4,4'-DDT		1.089	1.114	-2.3	114	0.00
22	t	Endrin Aldehyde		0.983	0.959	2.4	105	0.00
23	t	Methoxychlor		0.614	0.627	-2.1	116	0.00
24	t	Mirex		1.142	1.063	6.9	112	0.00
25	t	Endosulfan Sulfate		1.182	1.264	-6.9	117	0.00
26	t	Endrin Ketone		1.179	1.317	-11.7	121	0.00
27	s	Decachlorobiphenyl		1.150	1.093	5.0	111	0.00

Signal #2

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 06 Jan 2025 14:45
Operator : PEST11:akm
Sample   : cicvpest,42e,,pp 11934 L0.05ICV
Misc   : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:42:49 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:42:49 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	107	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl		1.044	0.980	6.1	109	0.00
3	t	Hexachlorobenzene		1.181	1.076	8.9	112	0.00
4	t	alpha-BHC		1.456	1.466	-0.7	111	0.00
5	t	gamma-BHC (lindane)		1.401	1.313	6.3	109	0.00
6	t	beta-BHC	*	50.000	47.355	5.3	108	0.00
7	t	delta-BHC		1.381	1.363	1.3	111	0.00
8	t	Heptachlor		1.405	1.317	6.3	110	0.00
9	t	Aldrin		1.255	1.231	1.9	112	0.00
10	t	Alachlor	*	50.000	50.899	-1.8	106	0.00
11	t	Chlorpyrifos		0.788	0.648	17.8	110	0.00
12	t	Heptachlor Epoxide		1.270	1.156	9.0	109	0.00
13	t	gamma-Chlordane (trans)		1.131	1.171	-3.5	125	0.00
14	t	alpha-Chlordane (cis)		1.259	1.151	8.6	110	0.00
15	t	4,4'-DDE		1.178	1.136	3.6	110	0.00
16	t	Endosulfan I		1.169	1.059	9.4	109	0.00
17	t	Dieldrin		1.162	1.186	-2.1	119	0.00
18	t	Endrin		1.169	1.105	5.5	109	0.00
19	t	4,4'-DDD		0.946	0.962	-1.7	117	0.00
20	t	Endosulfan II		1.074	1.010	6.0	112	0.00
21	t	4,4'-DDT		1.077	1.014	5.8	109	0.00
22	t	Endrin Aldehyde	*	50.000	45.402	9.2	104	0.00
23	t	Methoxychlor		0.615	0.563	8.5	113	0.00
24	t	Mirex	*	50.000	48.959	2.1	109	0.00
25	t	Endosulfan Sulfate		1.058	0.998	5.7	115	0.00
26	t	Endrin Ketone		1.110	1.122	-1.1	119	0.00
27	s	Decachlorobiphenyl		0.922	0.823	10.7	111	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 06 Jan 2025 14:45
Operator : PEST11:akm
Sample   : cicvpest,42e,,pp 11934 L0.05ICV
Misc   : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:42:49 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:42:49 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.38#
29	l1	chlordane-1	*	0.050	0.000	100.0#	0#	-2.57#
30	l1	chlordane-3	*	0.065	0.000	100.0#	0#	-3.00#
31	l1	chlordane-4	*	0.228	0.000	100.0#	0#	-3.58#
32	l1	chlordane-5	*	0.350	0.000	100.0#	0#	-3.71#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.38#
34	l2	toxaphene-2		0.066	0.000	100.0#	0#	-4.60#
35	l2	toxaphene-3		0.049	0.000	100.0#	0#	-4.72#
36	l2	toxaphene-4		0.050	0.000	100.0#	0#	-4.94#
37	l2	toxaphene-5		0.045	0.000	100.0#	0#	-5.31#

Signal #2

28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.46#
29	l1	chlordane-1	*	0.048	0.000	100.0#	0#	-2.98#
30	l1	chlordane-3	*	0.059	0.000	100.0#	0#	-3.61#
31	l1	chlordane-4	*	0.182	0.000	100.0#	0#	-4.31#
32	l1	chlordane-5	*	0.144	0.000	100.0#	0#	-4.47#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.46#
34	l2	toxaphene-2	*	0.025	0.000	100.0#	0#	-5.25#
35	l2	toxaphene-3	*	0.037	0.000	100.0#	0#	-5.28#
36	l2	toxaphene-4	*	0.044	0.000	100.0#	0#	-5.59#
37	l2	toxaphene-5	*	0.040	0.000	100.0#	0#	-6.00#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 14:45
Operator : PEST11:akm
Sample : cicvpest,42e,,pp 11934 L0.05ICV
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:42:49 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:42:49 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
		Internal Standards						
1)	i	1-br-2-nb_Pe	1.377	1.458	354.3E6	199.4E6	25.000M4	25.000M4
28)	i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33)	i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
		System Monitoring Compounds						
2)	s	2,4,5,6-Tetr	1.734	1.961	873.7E6	390.7E6	50.796M3	46.919
		Spiked Amount 50.000	Range 30 - 150		Recovery =		101.59%	93.84%
27)	s	Decachlorobi	6.410	7.069	774.4E6	328.3E6	47.513M4	44.670M4
		Spiked Amount 50.000	Range 30 - 150		Recovery =		95.03%	89.34%
		Target Compounds						
3)	t	Hexachlorobe	1.958	2.300	936.8E6	429.2E6	49.378	45.560M4
4)	t	alpha-BHC	2.060	2.400	1278.2E6	584.4E6	55.458M3	50.321M4
5)	t	gamma-BHC (l	2.272	2.701	1113.7E6	523.5E6	52.695M4	46.846M4
6)	t	beta-BHC	2.330	2.768	468.0E6	223.1E6	47.611M4	47.355
7)	t	delta-BHC	2.465	3.049	1161.5E6	543.6E6	54.609M4	49.354
8)	t	Heptachlor	2.635	3.120	1042.6E6	525.2E6	52.468M3	46.866
9)	t	Aldrin	2.888	3.454	1086.1E6	490.9E6	54.755M4	49.043M4
10)	t	Alachlor	3.011	3.328	139.9E6	70490209	47.380M4	50.899M4
11)	t	Chlorpyrifos	3.106	3.697	504.8E6	258.5E6	46.713M4	41.132M4

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 14:45
Operator : PEST11:akm
Sample : cicvpest,42e,,pp 11934 L0.05ICV
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:42:49 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:42:49 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.453	4.094	977.4E6	461.1E6	52.076M3	45.531M4
13)	t	gamma-Chlord	3.581	4.314	1023.3E6	466.9E6	56.440M3	51.785M4
14)	t	alpha-Chlord	3.720	4.474	1018.4E6	458.9E6	49.522M4	45.717M4
15)	t	4,4'-DDE	3.819	4.659	1014.1E6	453.1E6	53.913	48.228M3
16)	t	Endosulfan I	3.862	4.533	915.3E6	422.4E6	50.851M4	45.308M4
17)	t	Dieldrin	4.129	4.813	1038.2E6	473.0E6	55.672M3	51.023M4
18)	t	Endrin	4.380	5.102	945.2E6	440.7E6	52.319M3	47.289M3
19)	t	4,4'-DDD	4.482	5.215	805.5E6	383.7E6	56.640M3	50.888M4
20)	t	Endosulfan I	4.611	5.294	876.6E6	402.7E6	52.207M3	47.019M4
21)	t	4,4'-DDT	4.765	5.487	789.3E6	404.5E6	51.158M4	47.102M4
22)	t	Endrin Aldeh	5.015	5.584	679.6E6	315.6E6	48.800M4	45.402M4
23)	t	Methoxychlor	5.237	6.040	444.1E6	224.3E6	51.021M4	45.733M4
24)	t	Mirex	5.300	6.187	753.4E6	322.0E6	46.572M4	48.959M4
25)	t	Endosulfan S	5.399	5.809	895.9E6	398.0E6	53.463M3	47.189M3
26)	t	Endrin Keton	5.623	6.218	933.1E6	447.4E6	55.837M4	50.538M4
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 14:45
Operator : PEST11:akm
Sample : cicvpest,42e,,pp 11934 L0.05ICV
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:42:49 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:42:49 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

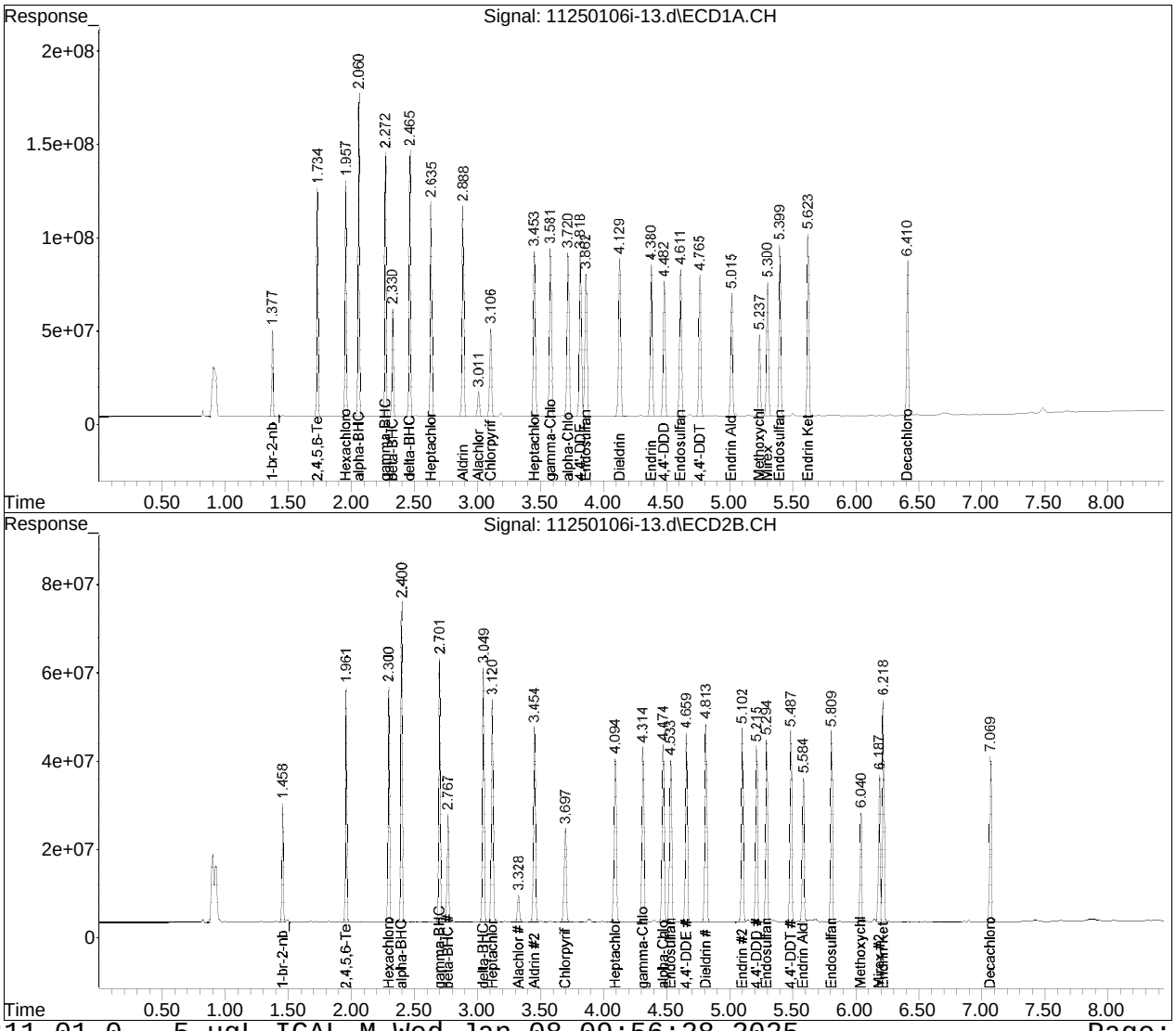
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 14:45
Operator : PEST11:akm
Sample : cicvpest,42e,,pp 11934 L0.05ICV
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:42:49 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:42:49 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

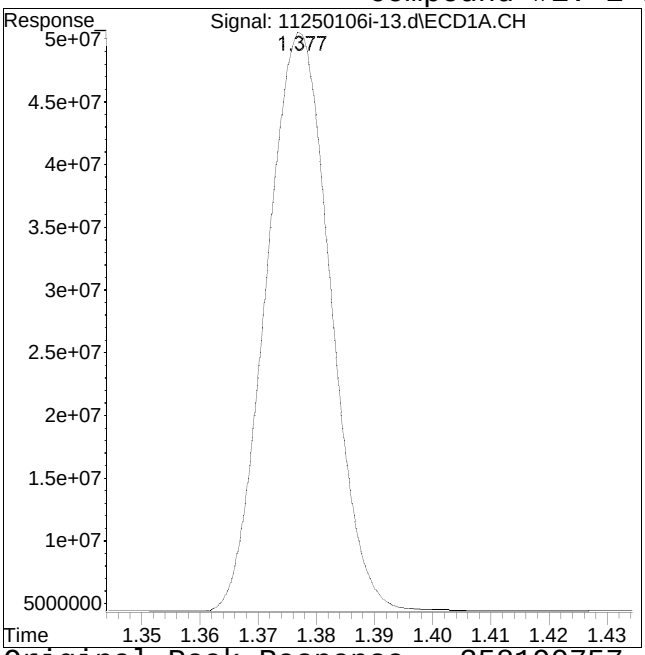


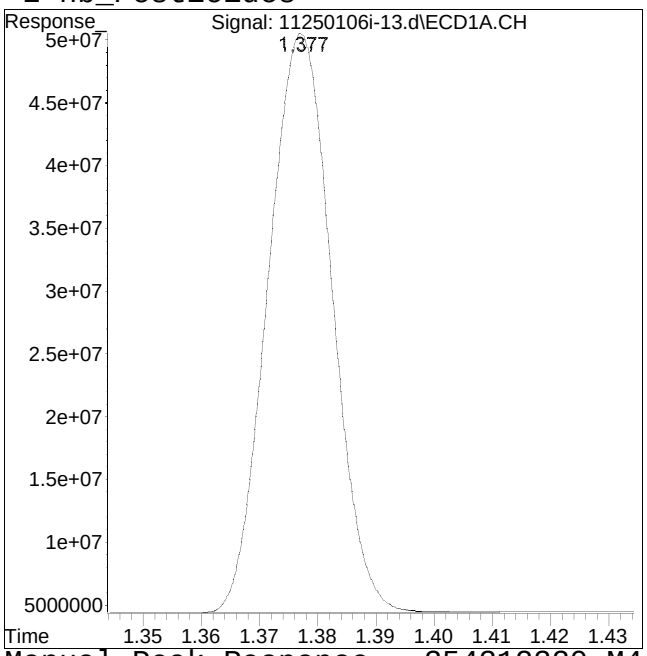
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-13.d
Date Inj'd : 1/6/2025 14:45
Sample : cicvpest,42e,,pp 11934 L0.

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:42 pm

Compound #1: 1-br-2-nb_Pesticides





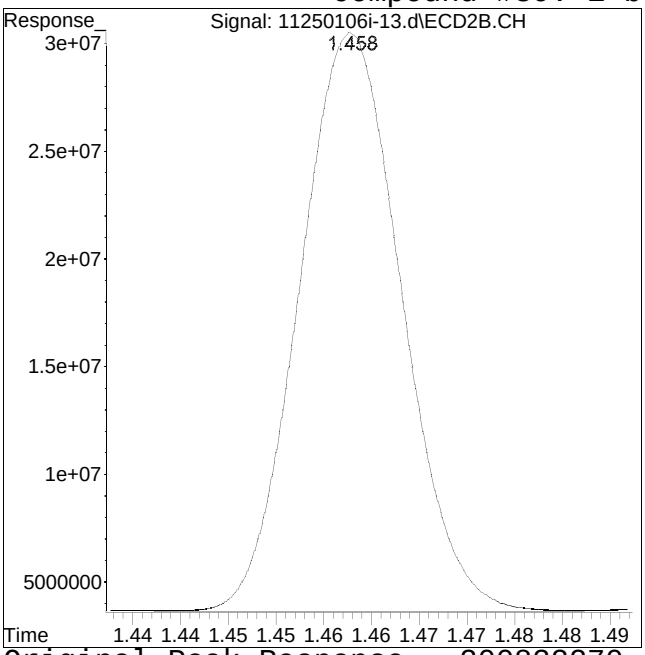
Original Peak Response = 358190757 Manual Peak Response = 354312320 M4
M4 = Poor automated baseline construction.

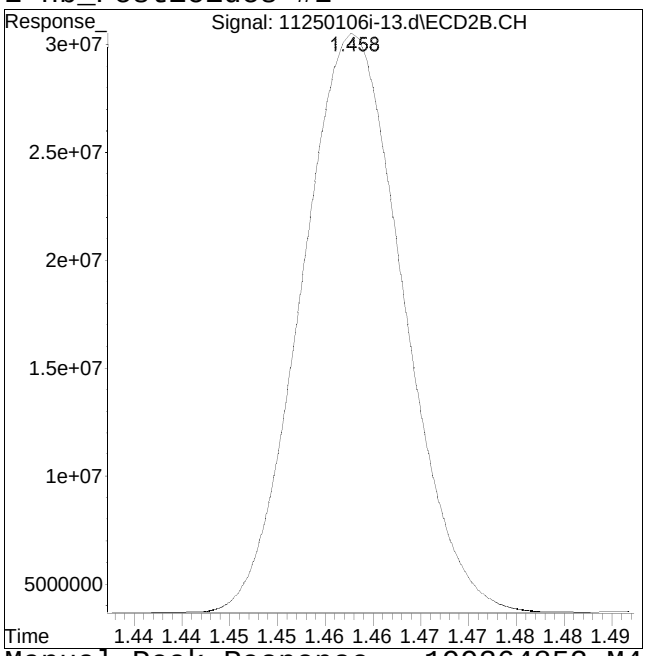
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-13.d
Date Inj'd : 1/6/2025 14:45
Sample : cicvpest,42e,,pp 11934 L0.

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:42 pm

Compound #39: 1-br-2-nb_Pesticides #2



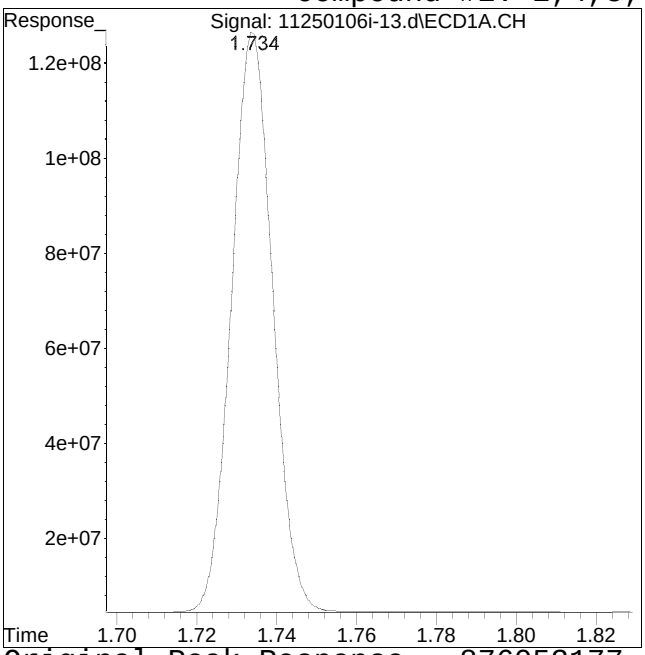


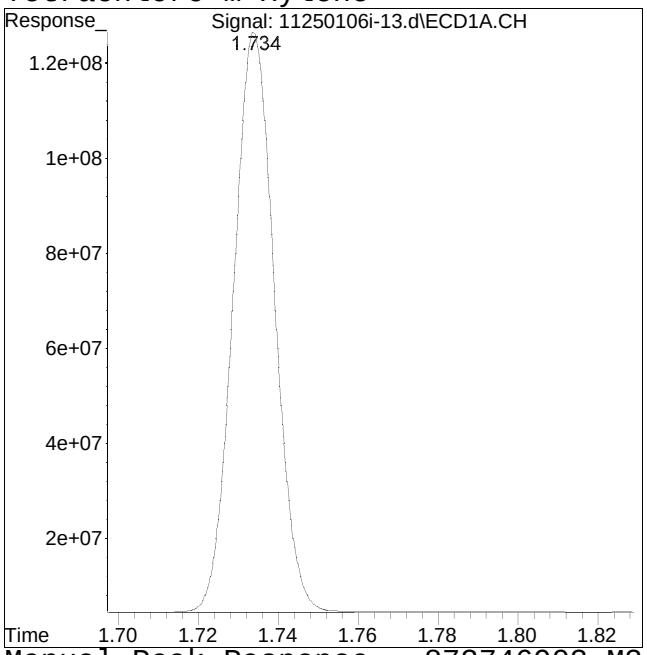
Original Peak Response = 200832270 Manual Peak Response = 199364852 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-13.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:45 Instrument : Pest 11
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/7/2025 12:42 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



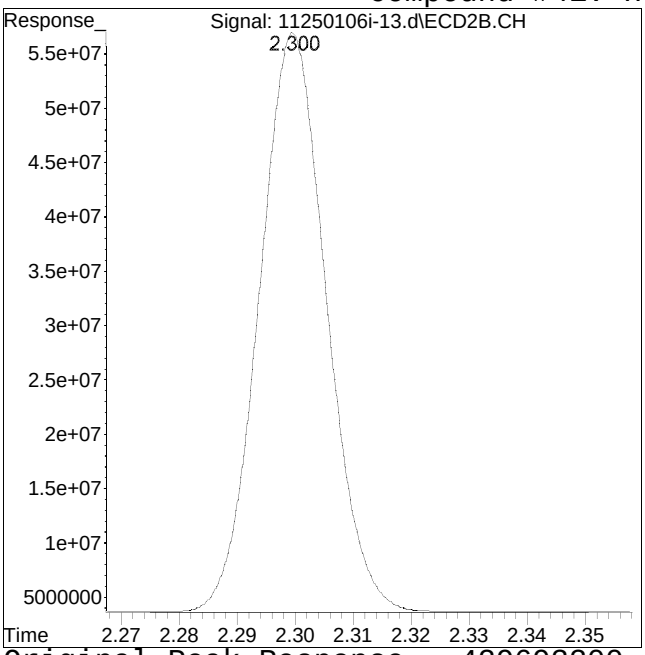


Original Peak Response = 876053177 Manual Peak Response = 873746903 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

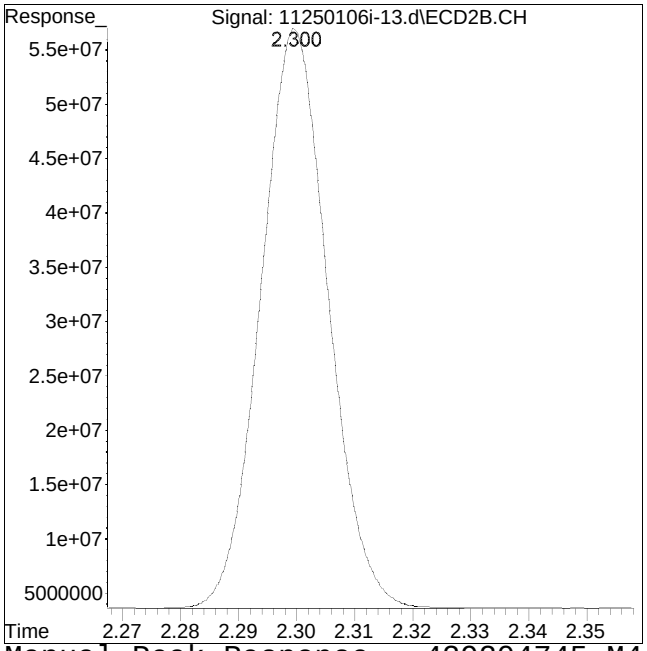
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-13.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:45 Instrument : Pest 11
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/7/2025 12:42 pm

Compound #41: Hexachlorobenzene #2



Original Peak Response = 429693300



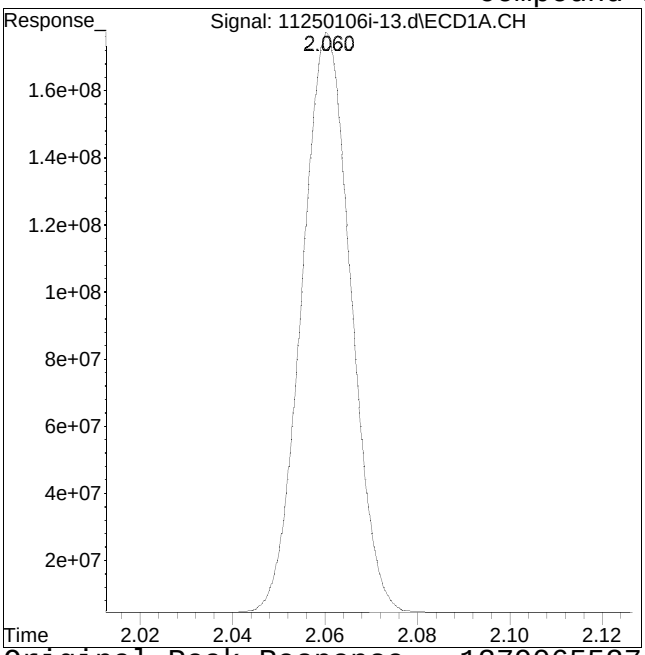
Manual Peak Response = 429204745 M4

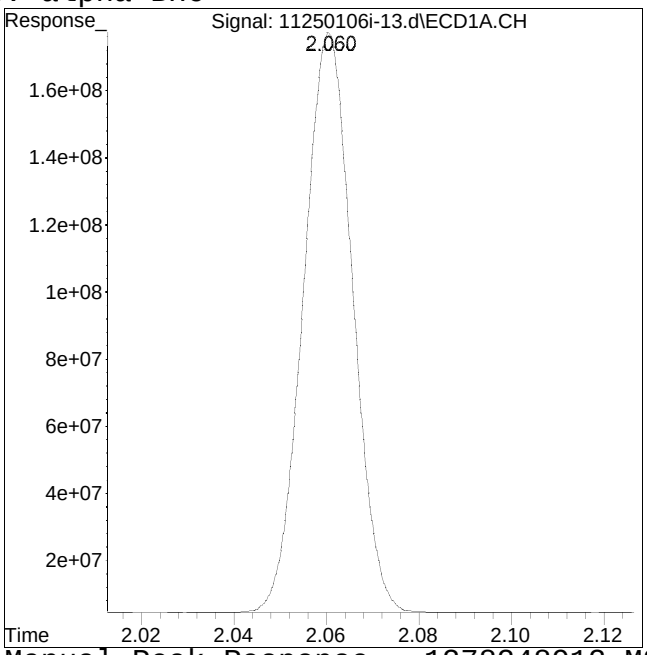
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-13.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:45 Instrument : Pest 11
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/7/2025 12:42 pm

Compound #4: alpha-BHC



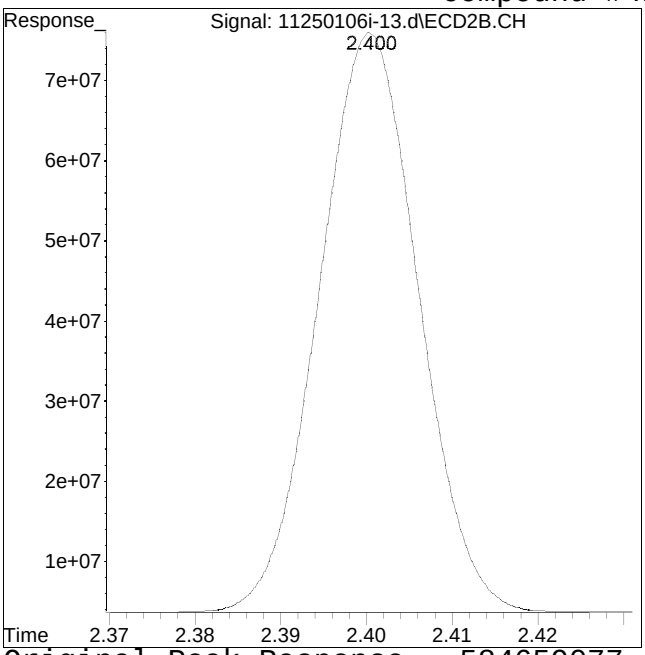


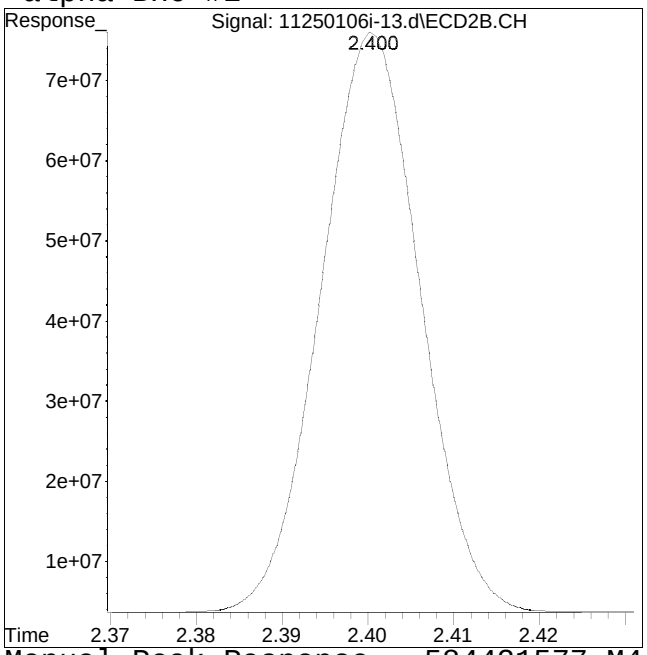
Original Peak Response = 1279065527 Manual Peak Response = 1278248912 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-13.d
Date Inj'd : 1/6/2025 14:45
Sample : cicvpest,42e,,pp 11934 L0.
Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:42 pm

Compound #42: alpha-BHC #2



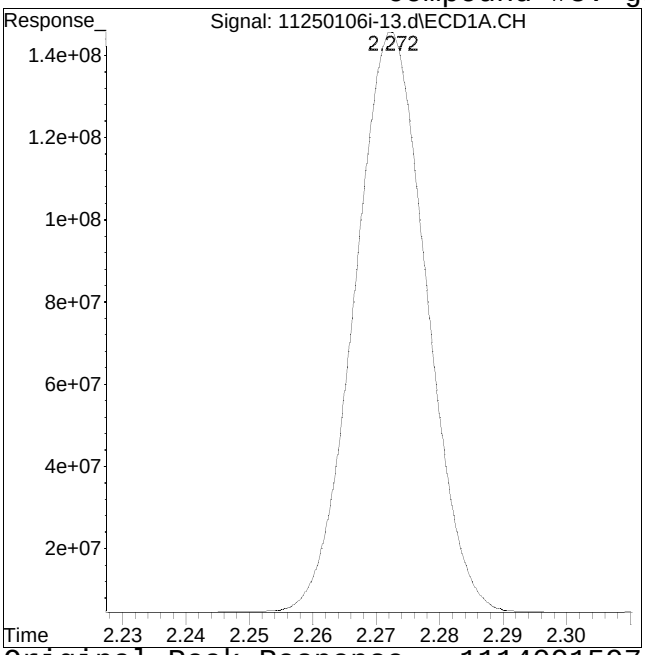


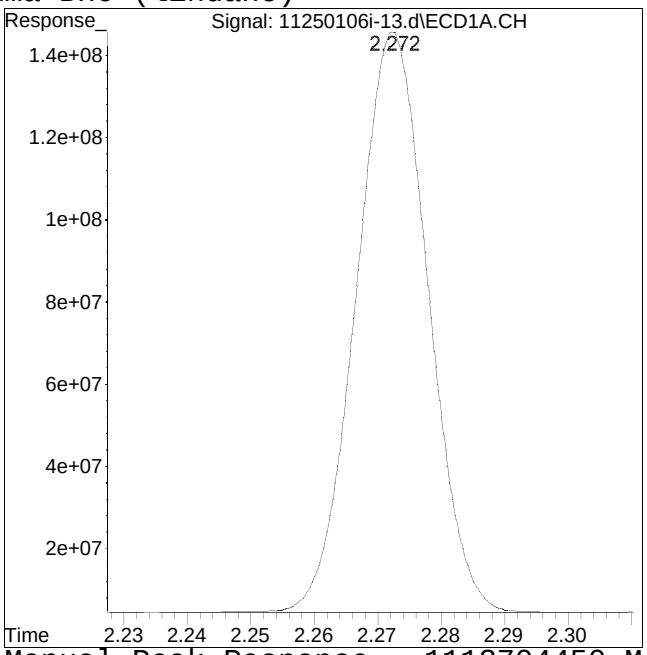
Original Peak Response = 584659077 Manual Peak Response = 584421577 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-13.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:45 Instrument : Pest 11
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/7/2025 12:42 pm

Compound #5: gamma-BHC (lindane)



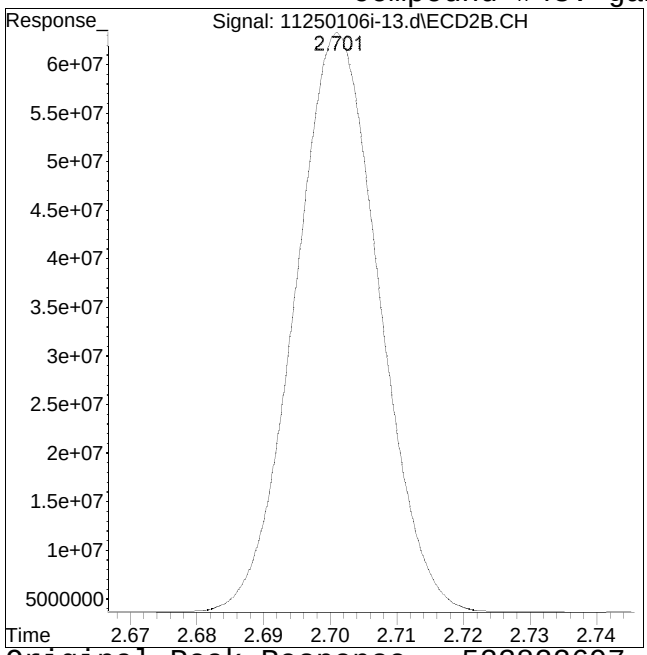


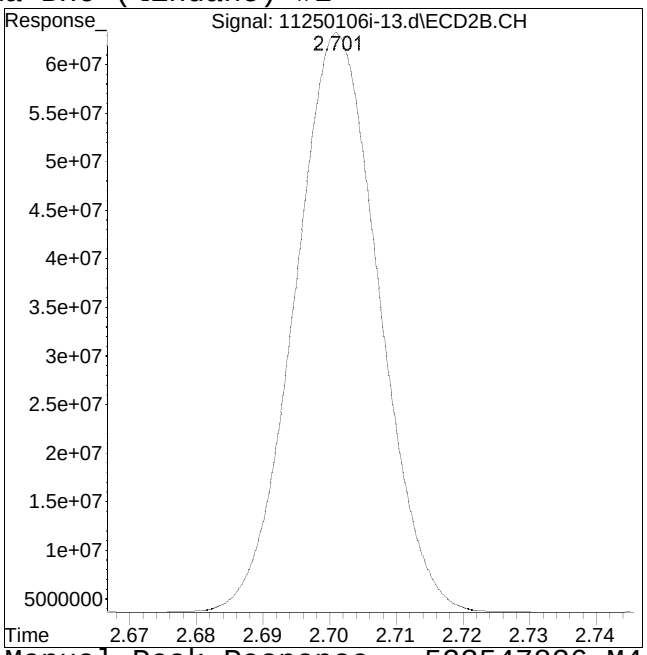
Original Peak Response = 1114091597 Manual Peak Response = 1113704450 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-13.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:45 Instrument : Pest 11
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/7/2025 12:42 pm

Compound #43: gamma-BHC (lindane) #2





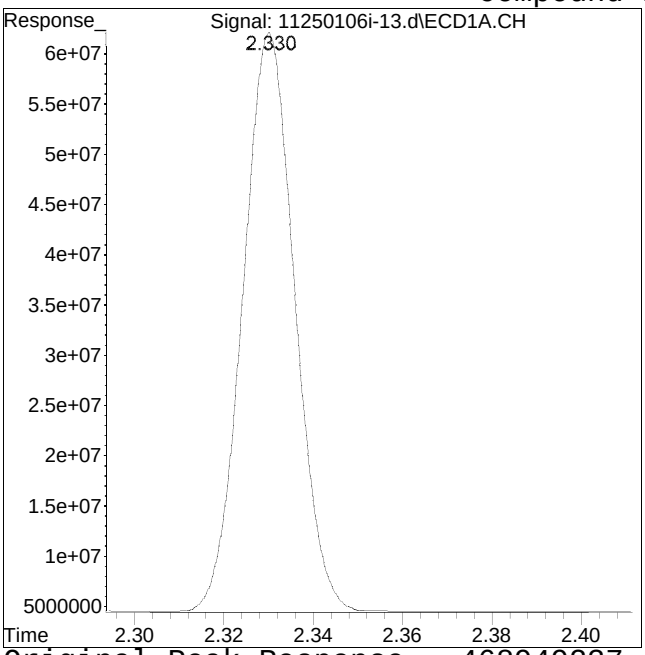
Original Peak Response = 523822697 Manual Peak Response = 523547826 M4
M4 = Poor automated baseline construction.

Manual Integration Report

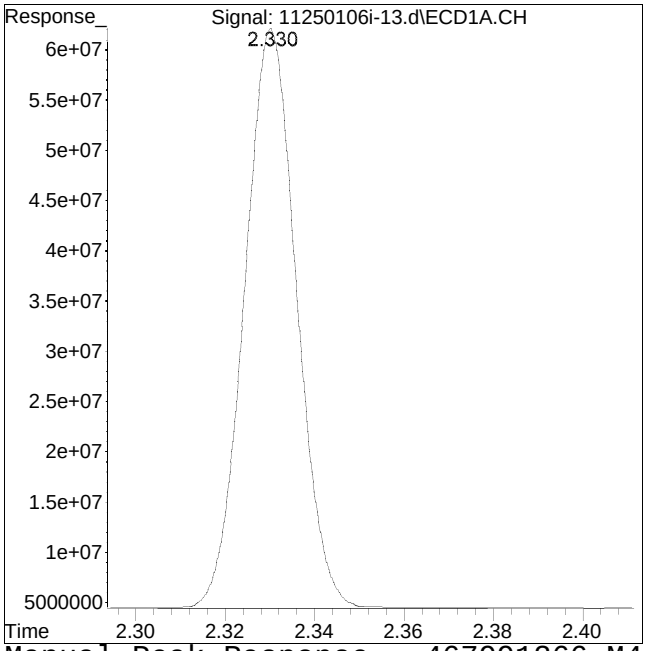
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-13.d
Date Inj'd : 1/6/2025 14:45
Sample : cicvpest,42e,,pp 11934 L0.

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:42 pm

Compound #6: beta-BHC



Original Peak Response = 468949237



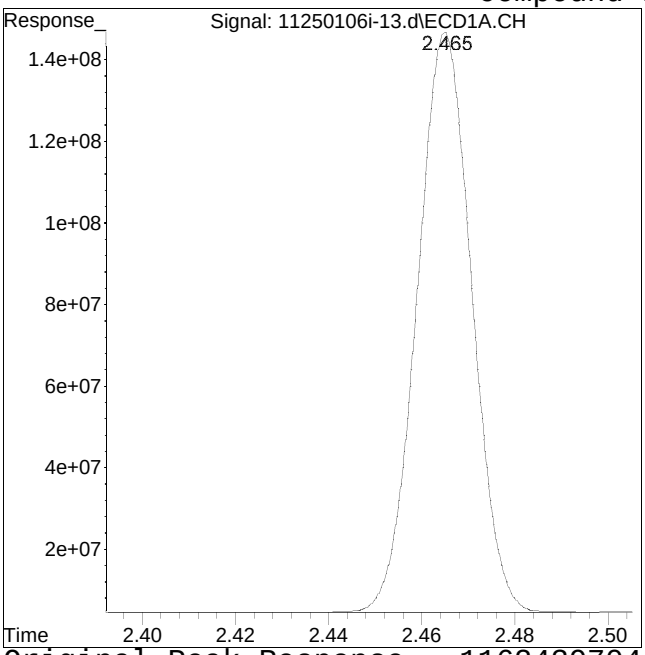
Manual Peak Response = 467991266 M4

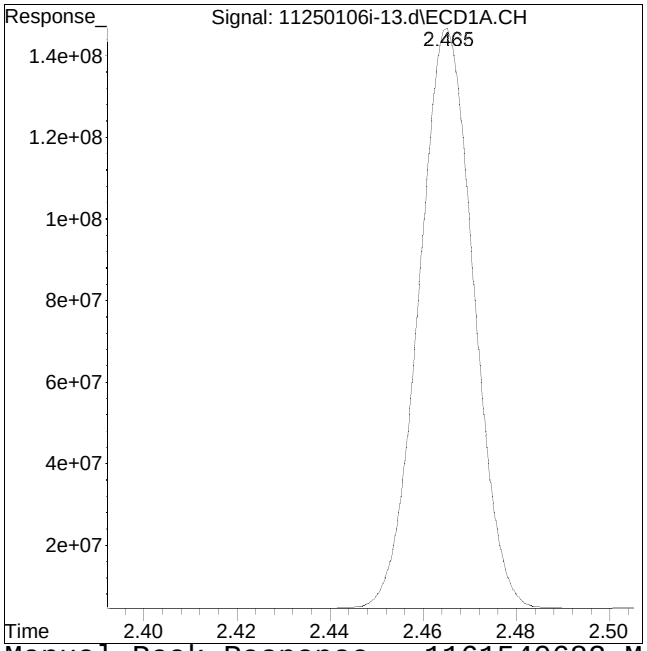
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-13.d
Date Inj'd : 1/6/2025 14:45
Sample : cicvpest,42e,,pp 11934 L0.
Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:42 pm

Compound #7: delta-BHC



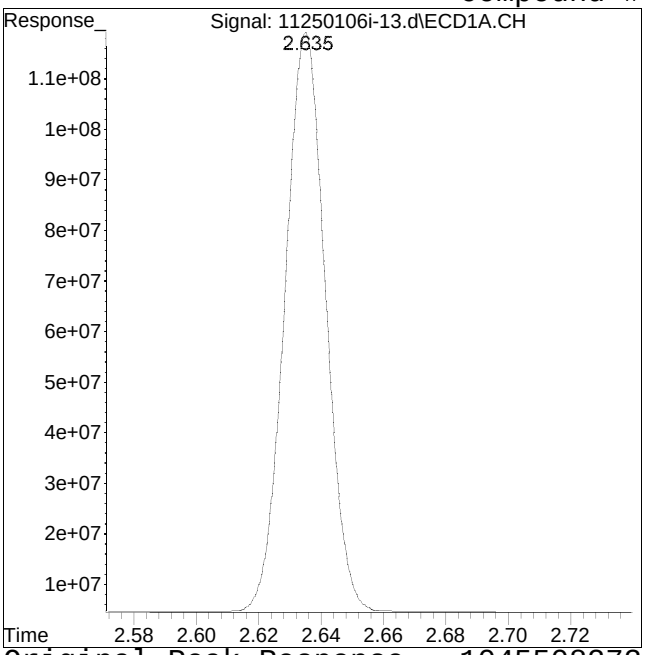


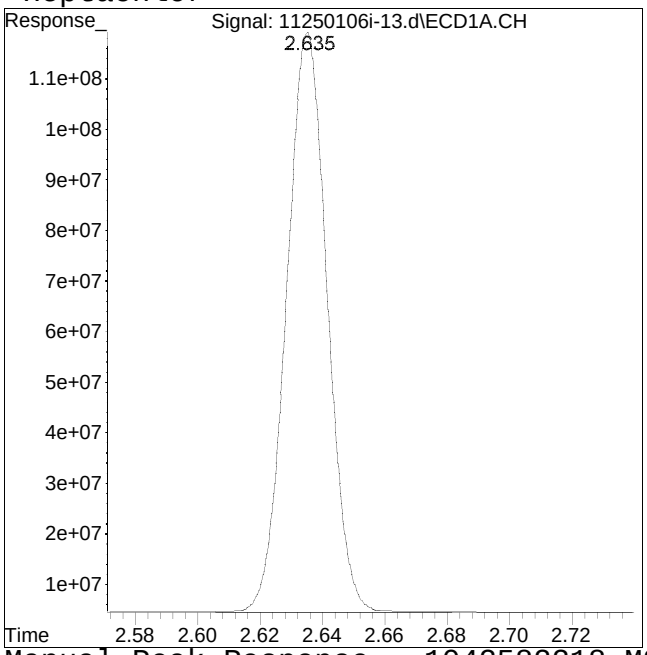
Original Peak Response = 1162439704 Manual Peak Response = 1161540682 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-13.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:45 Instrument : Pest 11
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/7/2025 12:42 pm

Compound #8: Heptachlor



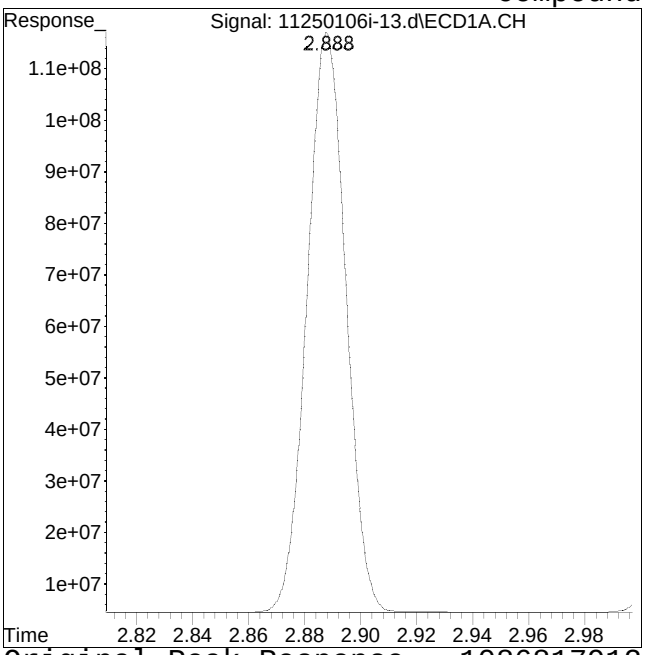


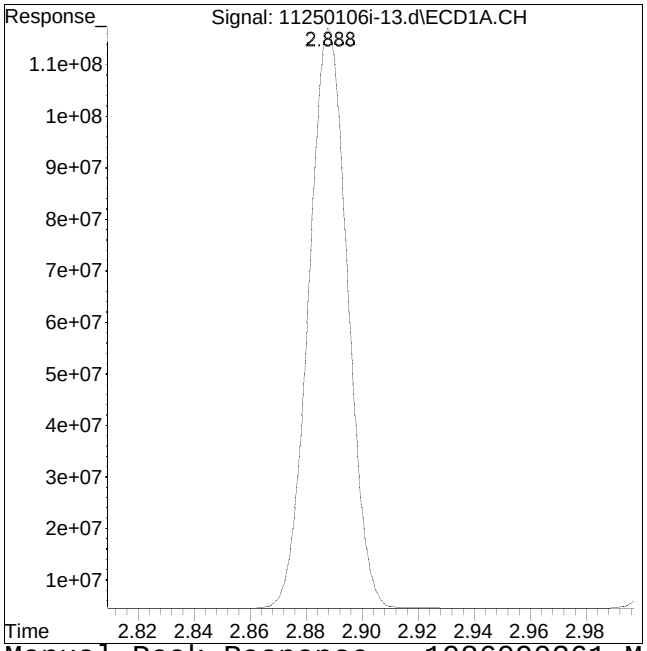
Original Peak Response = 1045508273 Manual Peak Response = 1042582218 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-13.d
Date Inj'd : 1/6/2025 14:45
Sample : cicvpest,42e,,pp 11934 L0.
Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:42 pm

Compound #9: Aldrin



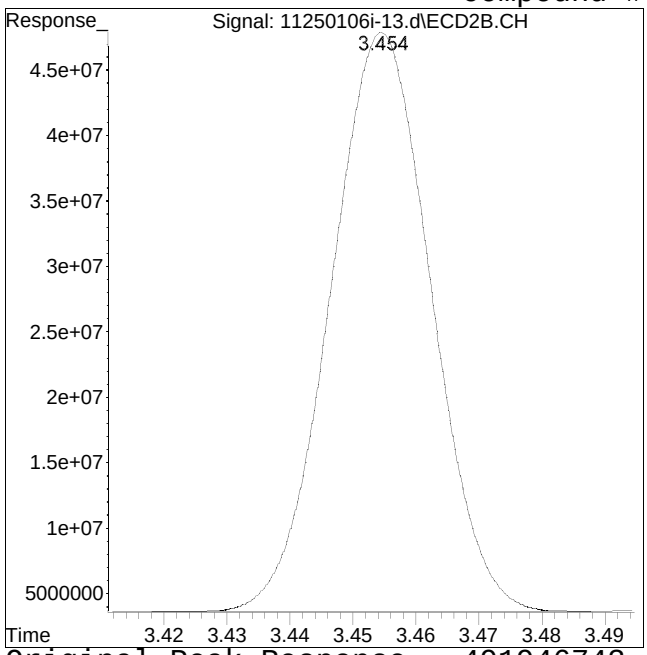


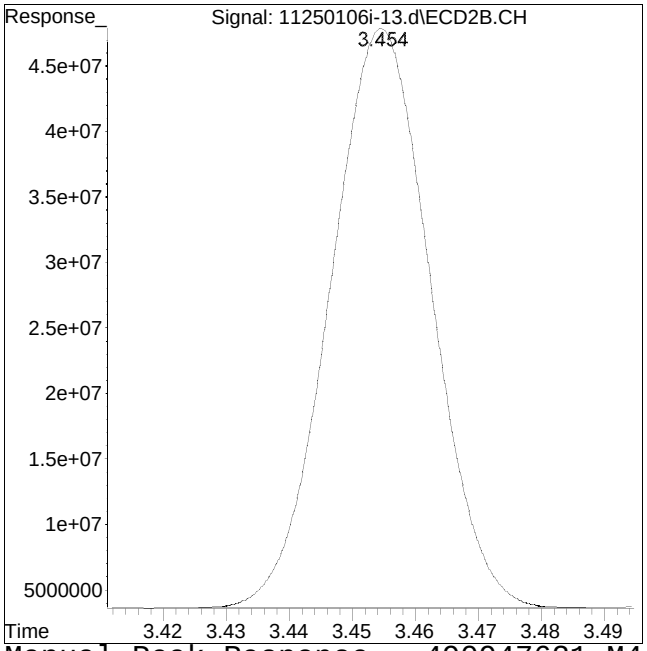
Original Peak Response = 1086817912 Manual Peak Response = 1086090261 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-13.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:45 Instrument : Pest 11
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/7/2025 12:42 pm

Compound #47: Aldrin #2





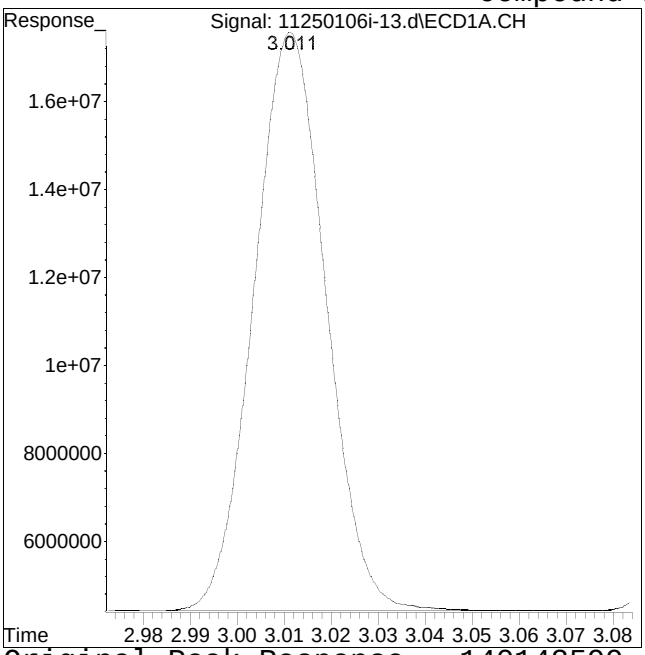
Original Peak Response = 491946743 Manual Peak Response = 490947621 M4
M4 = Poor automated baseline construction.

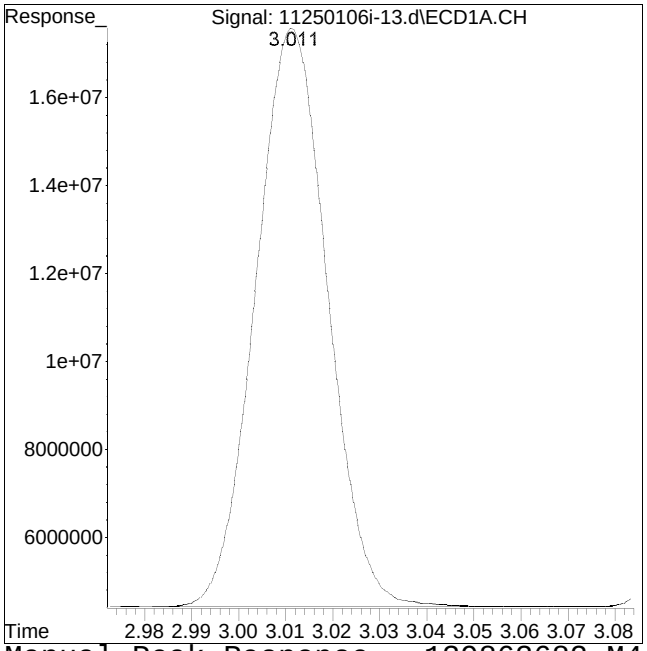
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-13.d
Date Inj'd : 1/6/2025 14:45
Sample : cicvpest,42e,,pp 11934 L0.

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:42 pm

Compound #10: Alachlor



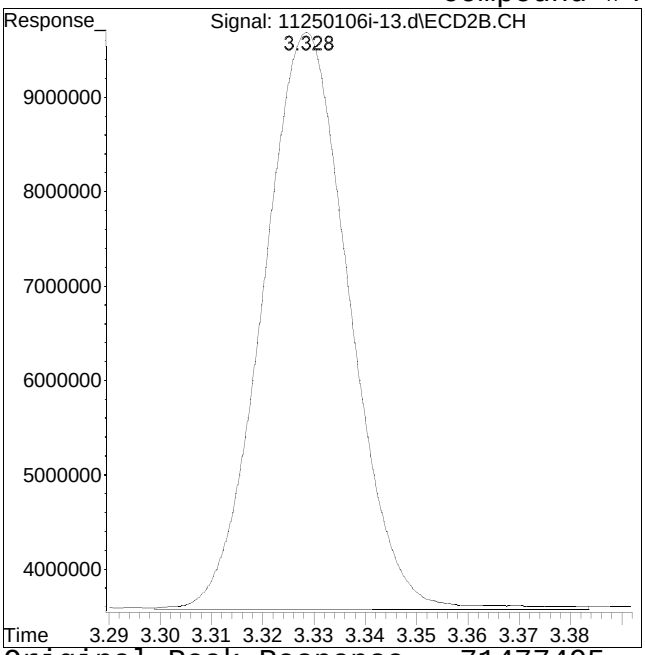


Original Peak Response = 140142599 Manual Peak Response = 139863682 M4
M4 = Poor automated baseline construction.

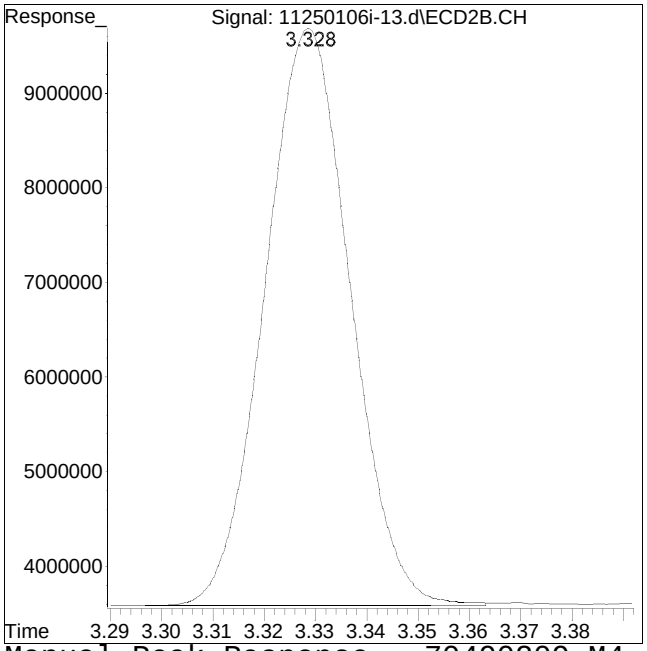
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-13.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:45 Instrument : Pest 11
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/7/2025 12:42 pm

Compound #48: Alachlor #2



Original Peak Response = 71477495



Manual Peak Response = 70490209 M4

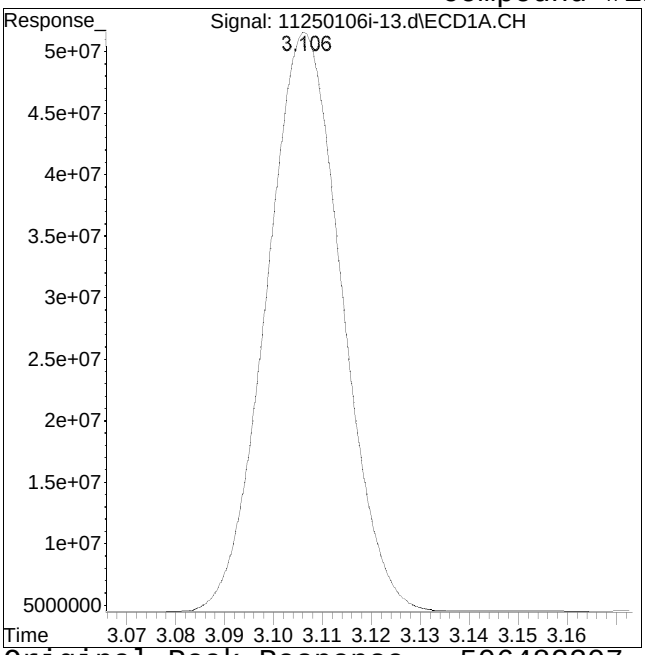
M4 = Poor automated baseline construction.

Manual Integration Report

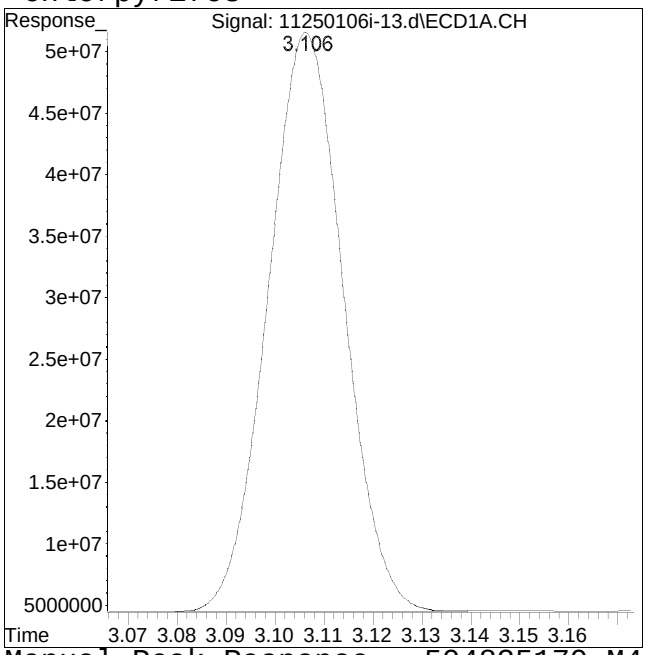
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-13.d
Date Inj'd : 1/6/2025 14:45
Sample : cicvpest,42e,,pp 11934 L0.

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:42 pm

Compound #11: Chlorpyrifos



Original Peak Response = 506482307



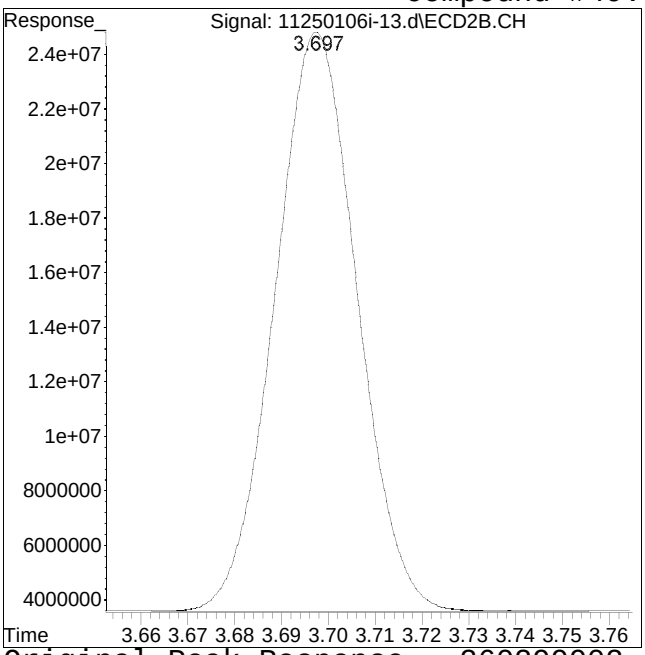
Manual Peak Response = 504835170 M4

M4 = Poor automated baseline construction.

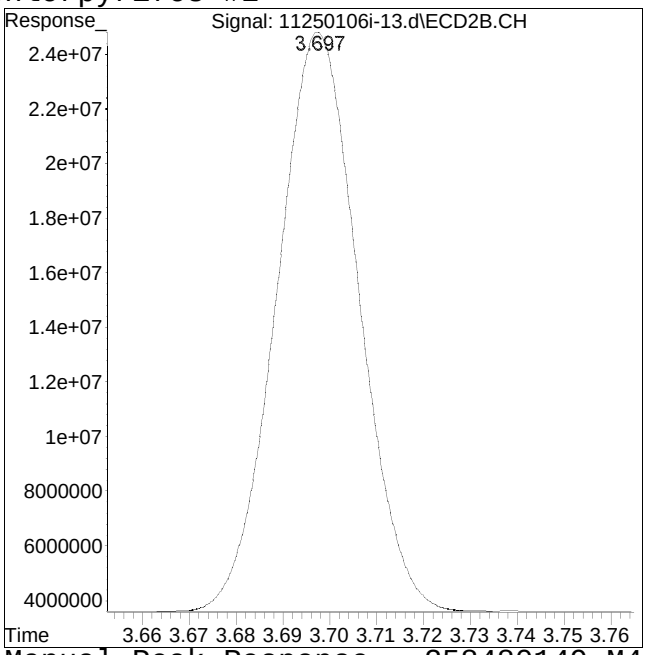
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-13.d
Date Inj'd : 1/6/2025 14:45
Sample : cicvpest,42e,,pp 11934 L0.
Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:42 pm

Compound #49: Chlorpyrifos #2



Original Peak Response = 260299902



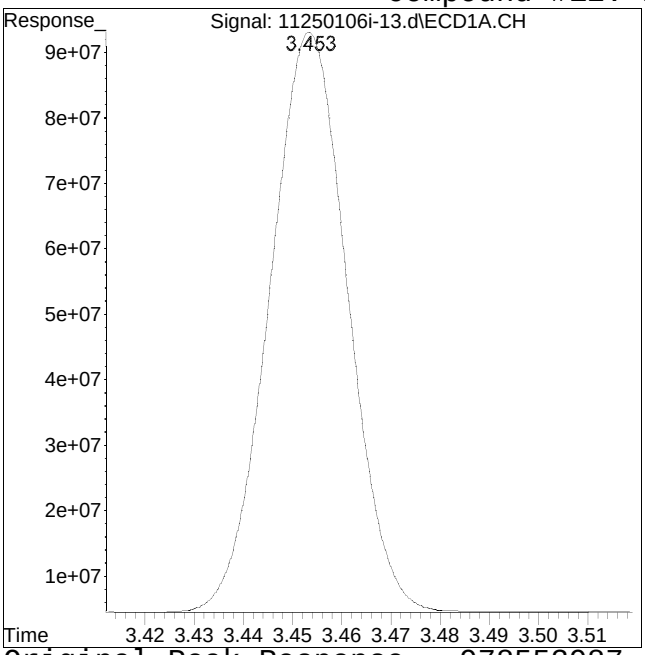
Manual Peak Response = 258480149 M4

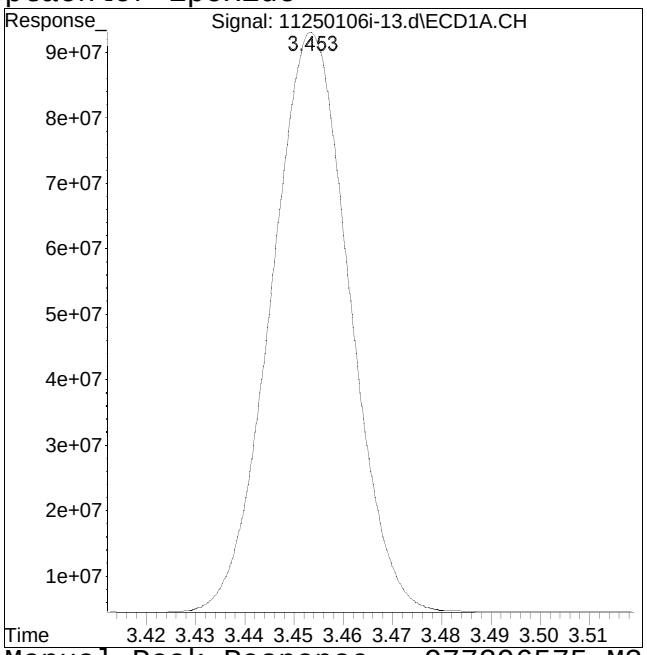
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-13.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:45 Instrument : Pest 11
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/7/2025 12:42 pm

Compound #12: Heptachlor Epoxide



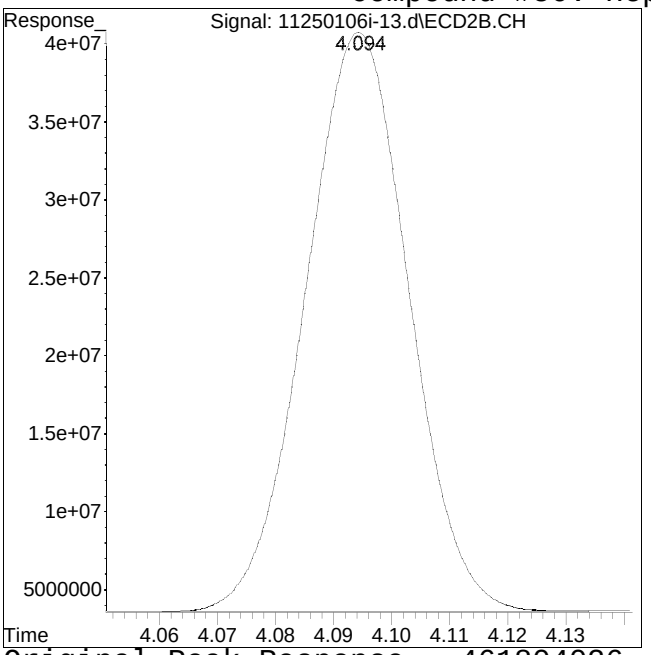


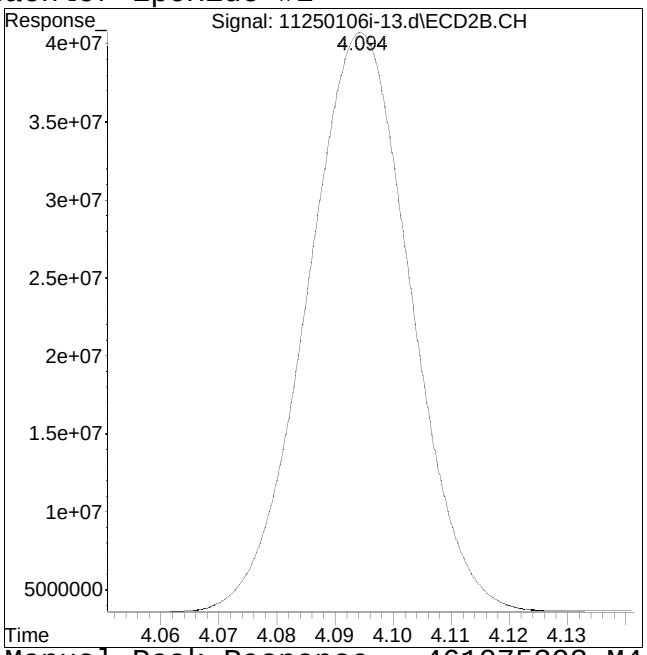
Original Peak Response = 978553987 Manual Peak Response = 977396575 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-13.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:45 Instrument : Pest 11
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/7/2025 12:42 pm

Compound #50: Heptachlor Epoxide #2



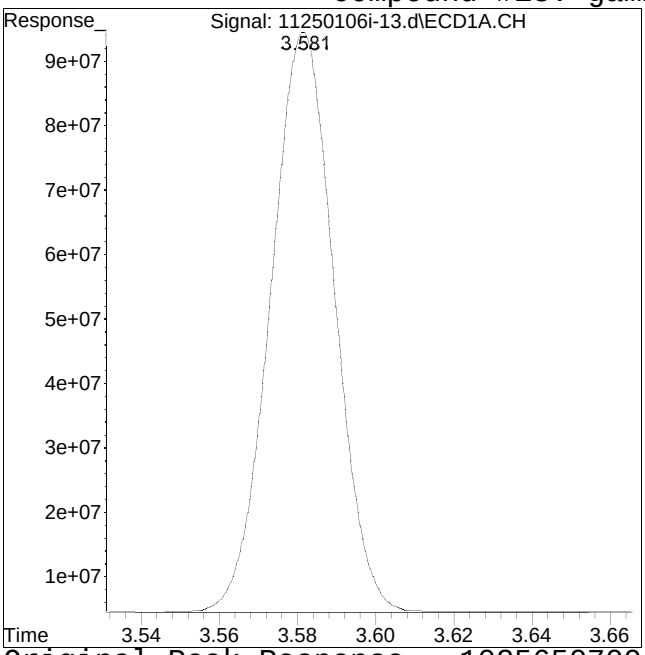


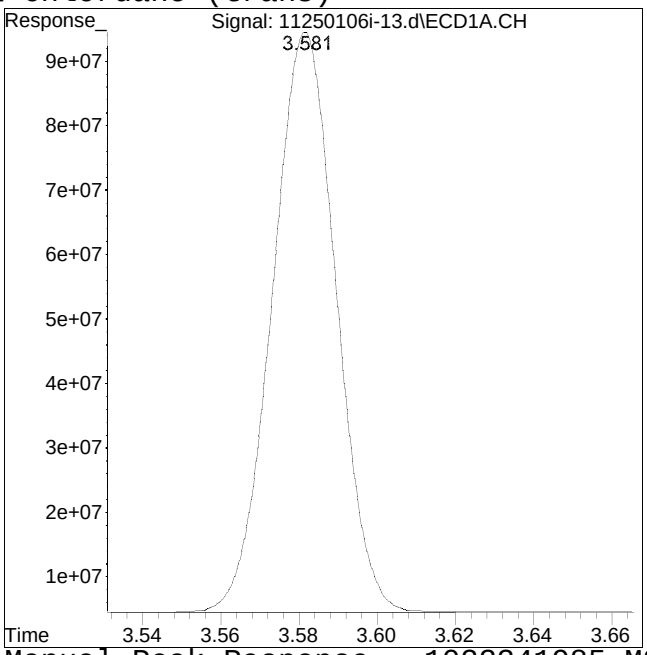
Original Peak Response = 461804026 Manual Peak Response = 461075393 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-13.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:45 Instrument : Pest 11
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/7/2025 12:42 pm

Compound #13: gamma-Chlordane (trans)





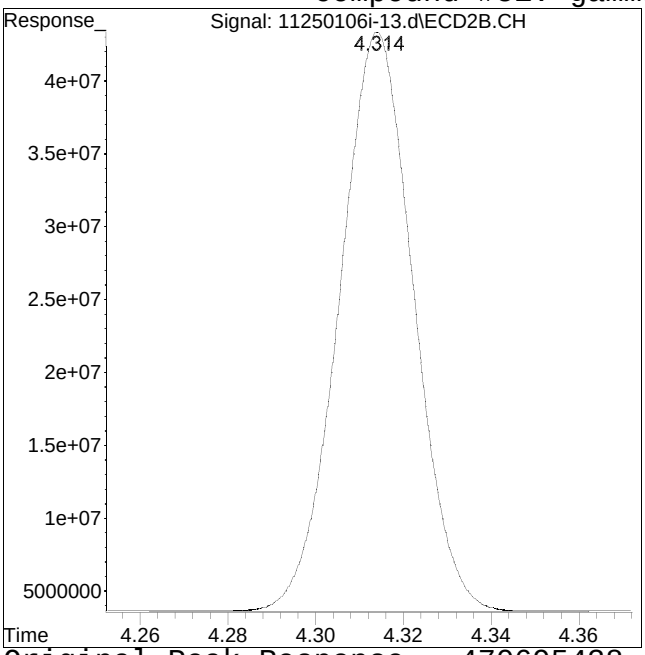
Original Peak Response = 1025650709 Manual Peak Response = 1023341985 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

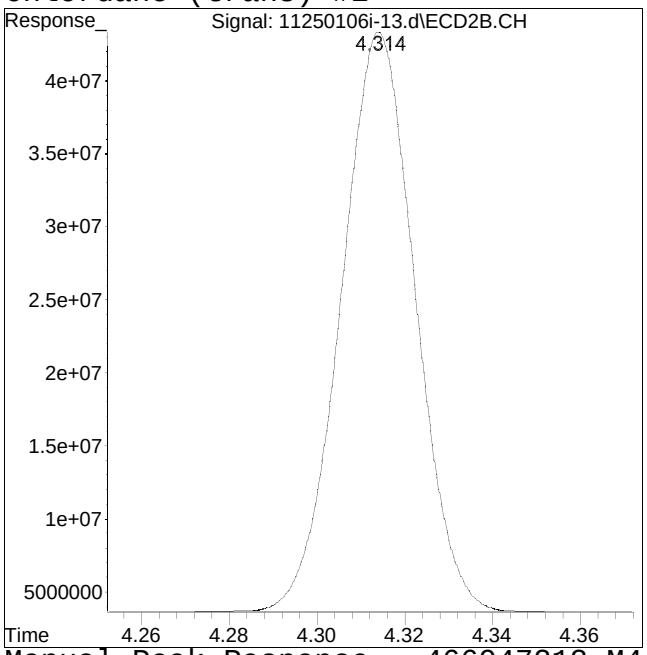
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-13.d
Date Inj'd : 1/6/2025 14:45
Sample : cicvpest,42e,,pp 11934 L0.

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:42 pm

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 470695438



Manual Peak Response = 466947212 M4

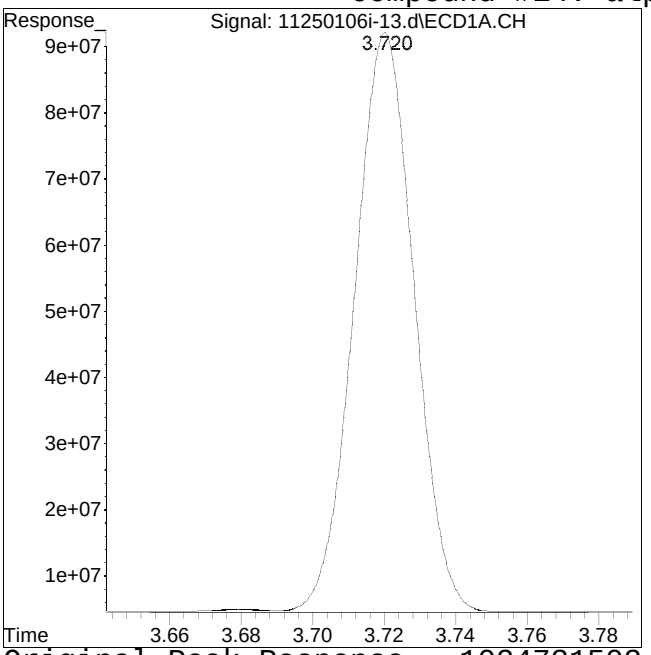
M4 = Poor automated baseline construction.

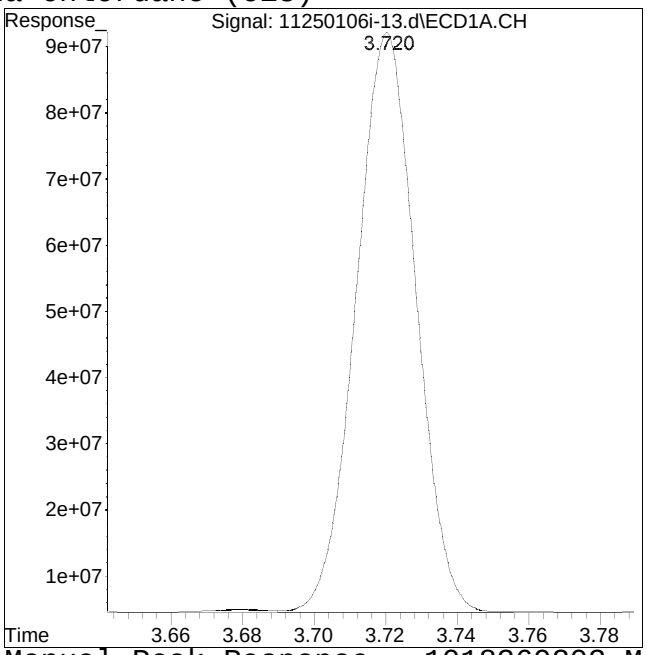
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-13.d
Date Inj'd : 1/6/2025 14:45
Sample : cicvpest,42e,,pp 11934 L0.

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:42 pm

Compound #14: alpha-Chlordane (cis)





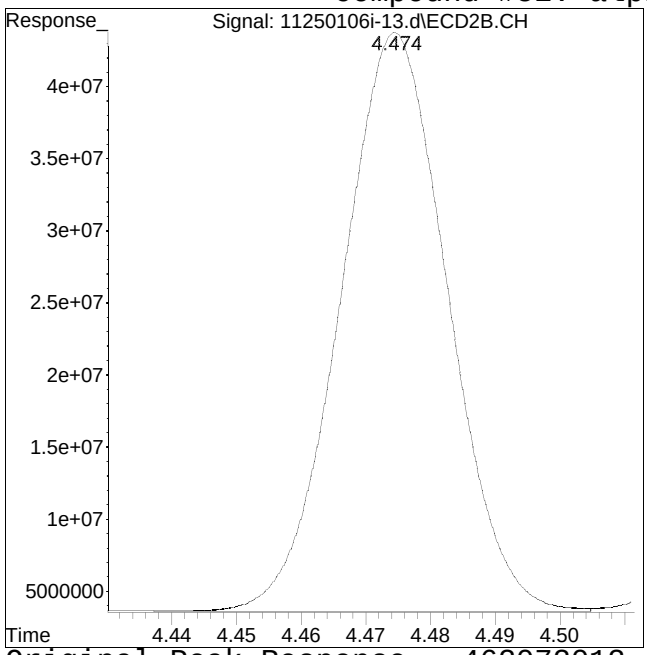
Original Peak Response = 1024731503 Manual Peak Response = 1018369203 M4
M4 = Poor automated baseline construction.

Manual Integration Report

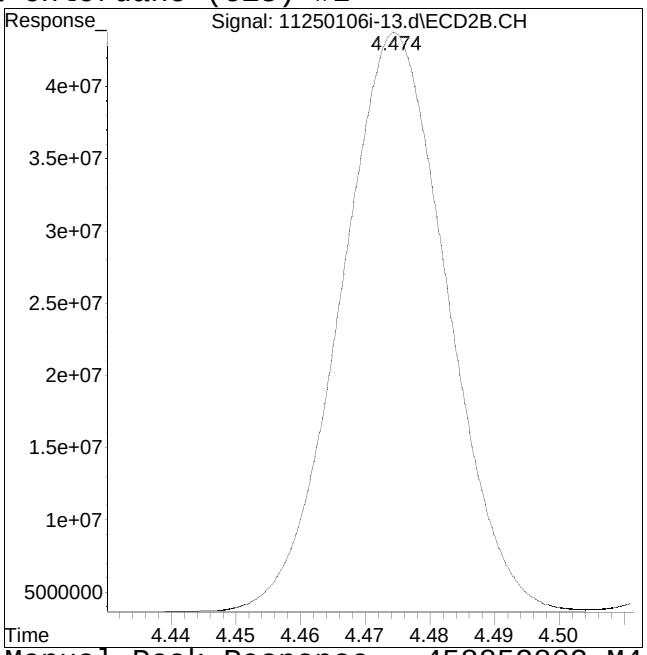
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-13.d
Date Inj'd : 1/6/2025 14:45
Sample : cicvpest,42e,,pp 11934 L0.

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:42 pm

Compound #52: alpha-Chlordane (cis) #2



Original Peak Response = 462072012



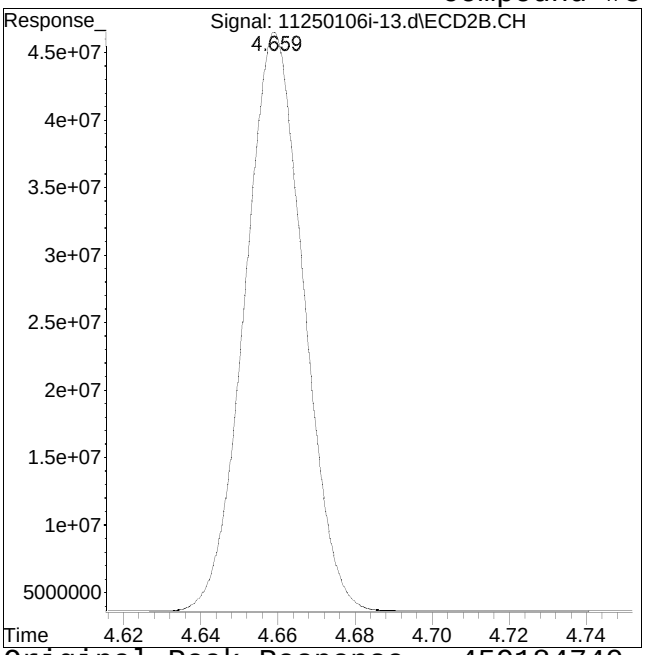
Manual Peak Response = 458852802 M4

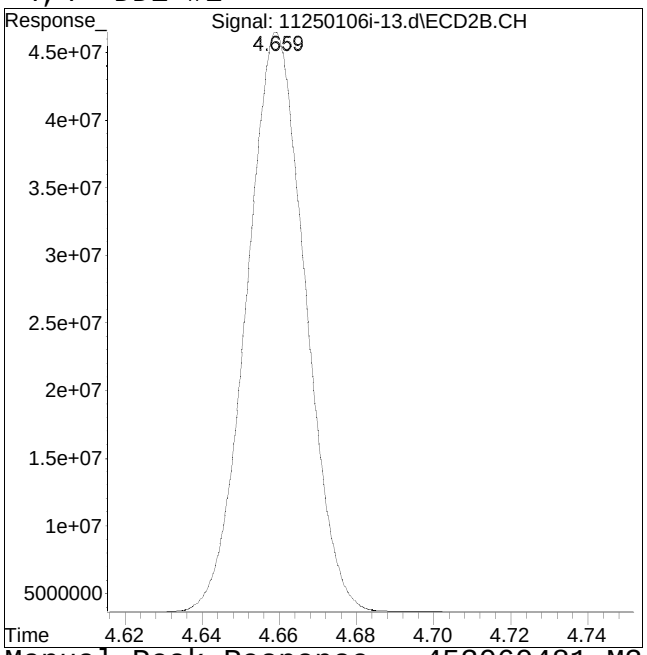
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-13.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:45 Instrument : Pest 11
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/7/2025 12:42 pm

Compound #53: 4,4'-DDE #2



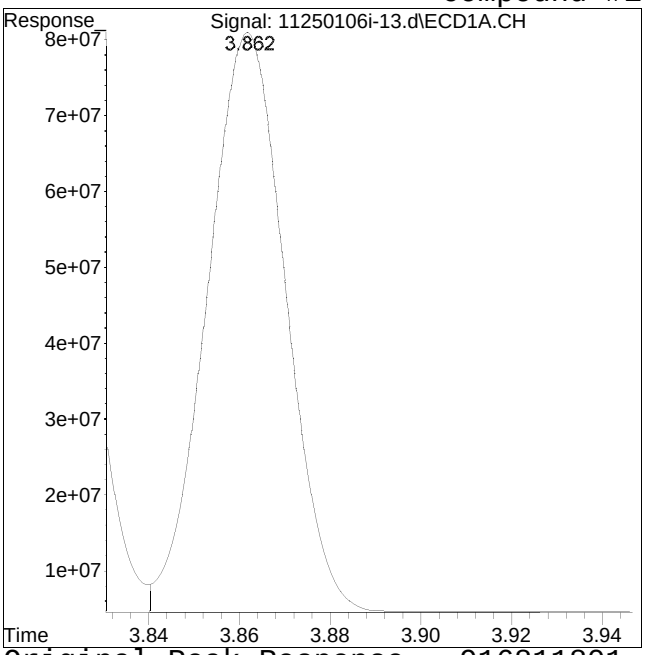


Original Peak Response = 459184740 Manual Peak Response = 453060481 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

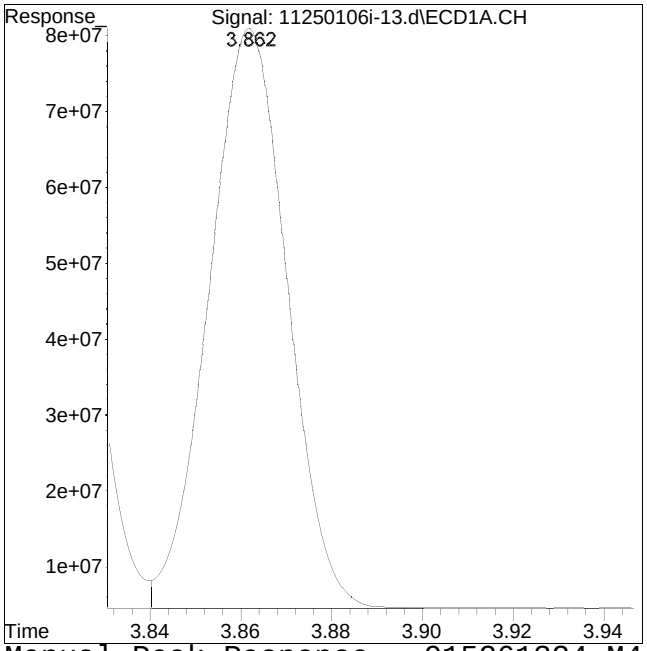
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-13.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:45 Instrument : Pest 11
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/7/2025 12:42 pm

Compound #16: Endosulfan I



Original Peak Response = 916811801

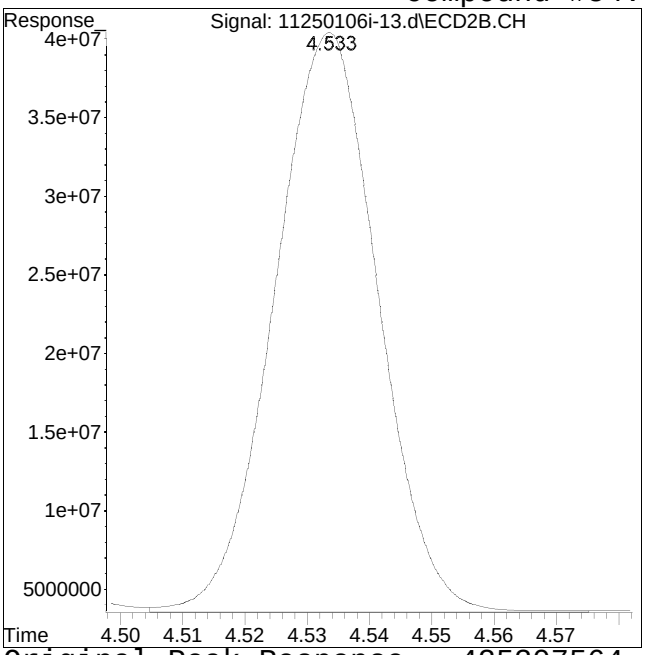


Manual Peak Response = 915261324 M4
M4 = Poor automated baseline construction.

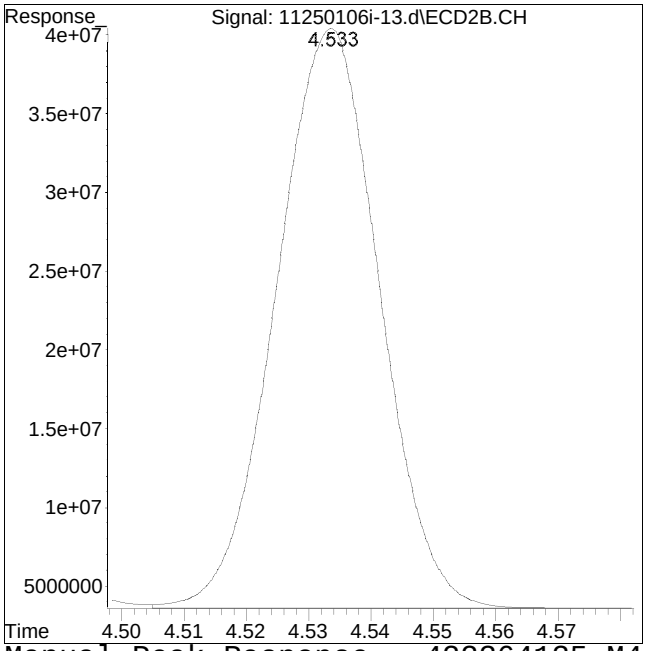
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-13.d
Date Inj'd : 1/6/2025 14:45
Sample : cicvpest,42e,,pp 11934 L0.
Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:42 pm

Compound #54: Endosulfan I #2



Original Peak Response = 425307564



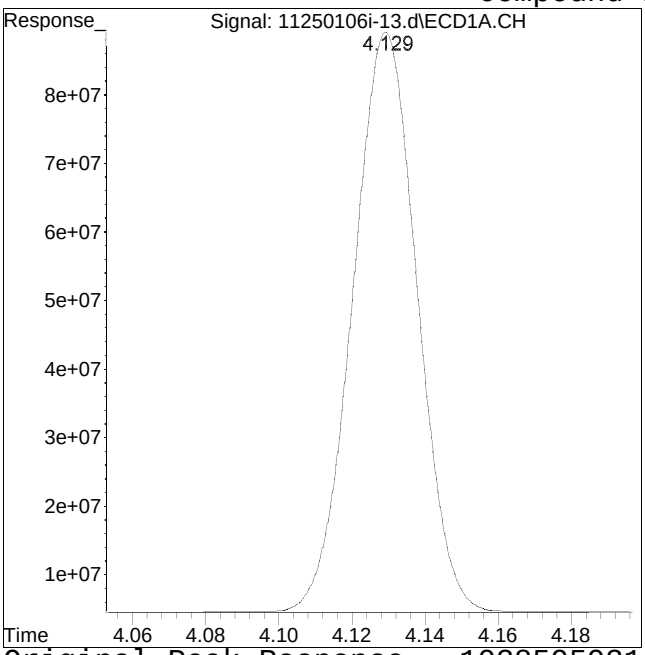
Manual Peak Response = 422364135 M4

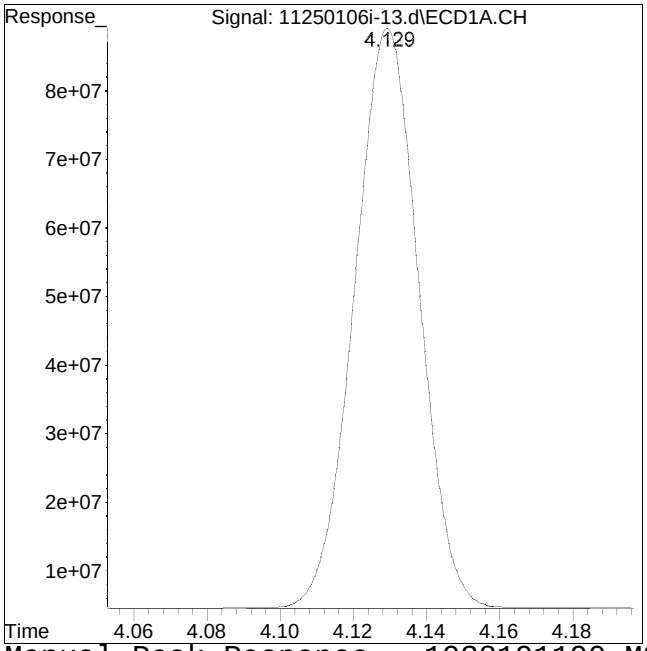
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-13.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:45 Instrument : Pest 11
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/7/2025 12:42 pm

Compound #17: Dieldrin



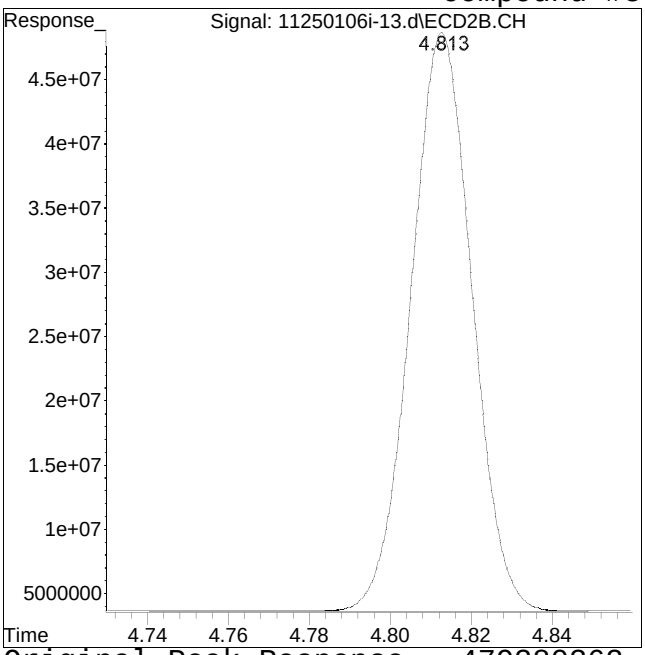


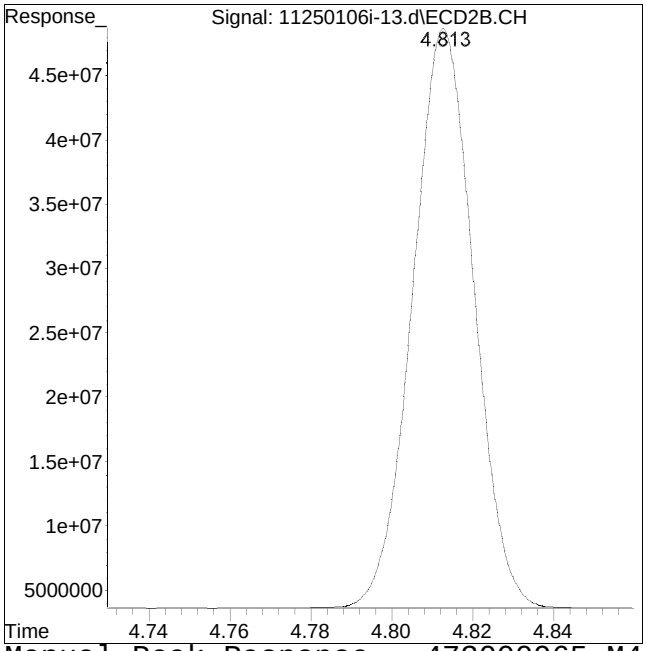
Original Peak Response = 1038595931 Manual Peak Response = 1038191190 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-13.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:45 Instrument : Pest 11
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/7/2025 12:42 pm

Compound #55: Dieldrin #2





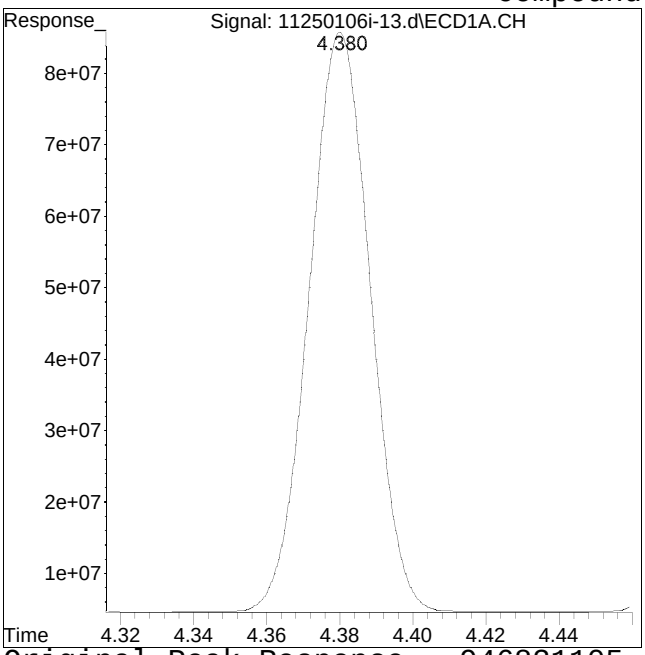
Original Peak Response = 479380362 Manual Peak Response = 473000965 M4
M4 = Poor automated baseline construction.

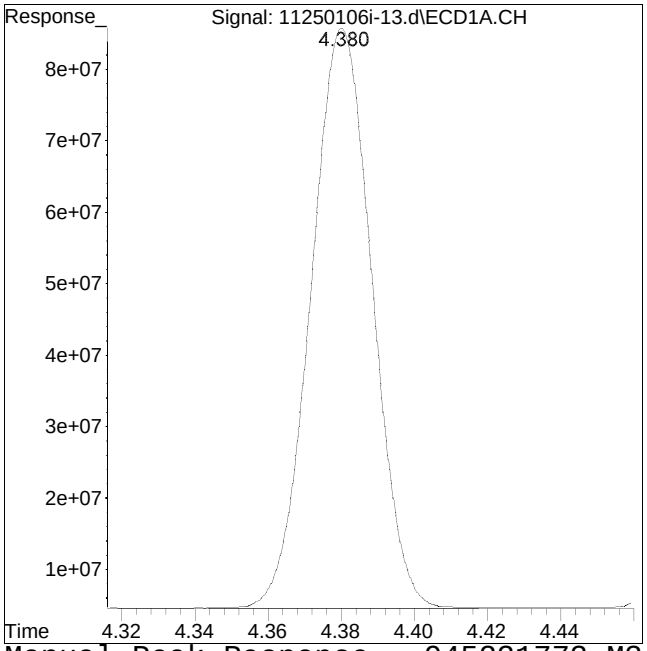
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-13.d
Date Inj'd : 1/6/2025 14:45
Sample : cicvpest,42e,,pp 11934 L0.

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:42 pm

Compound #18: Endrin





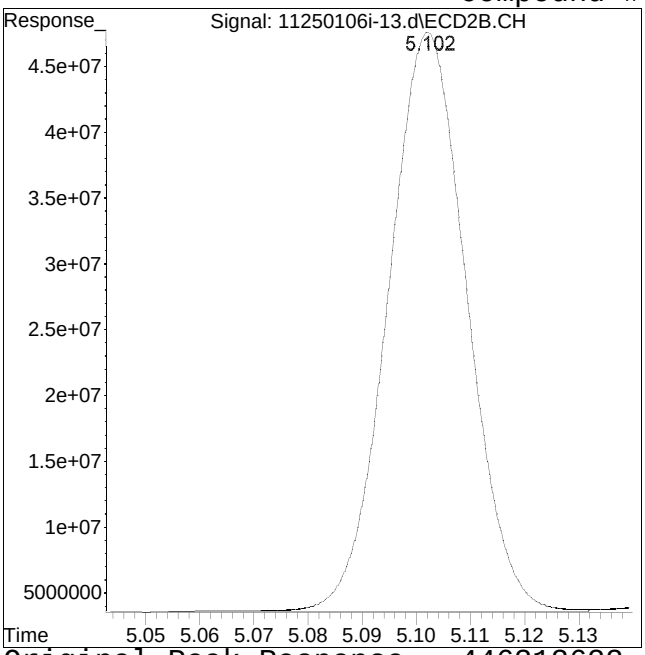
Original Peak Response = 946831105 Manual Peak Response = 945231773 M3

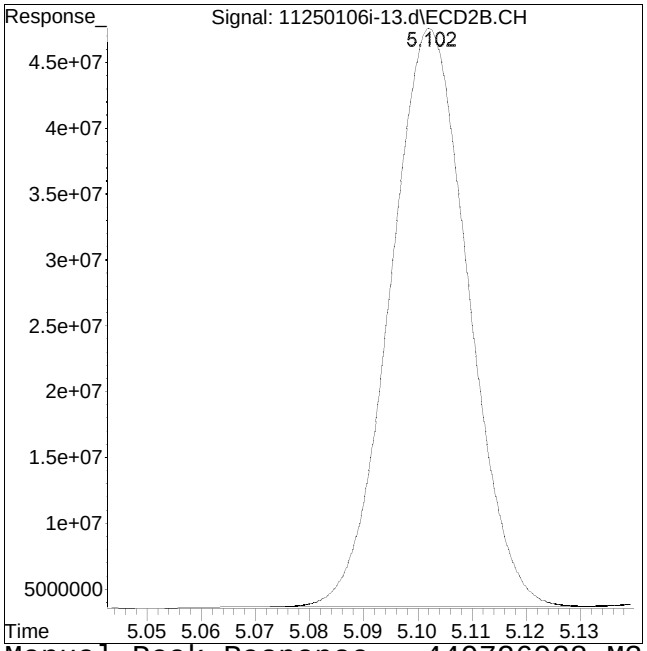
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-13.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:45 Instrument : Pest 11
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/7/2025 12:42 pm

Compound #56: Endrin #2



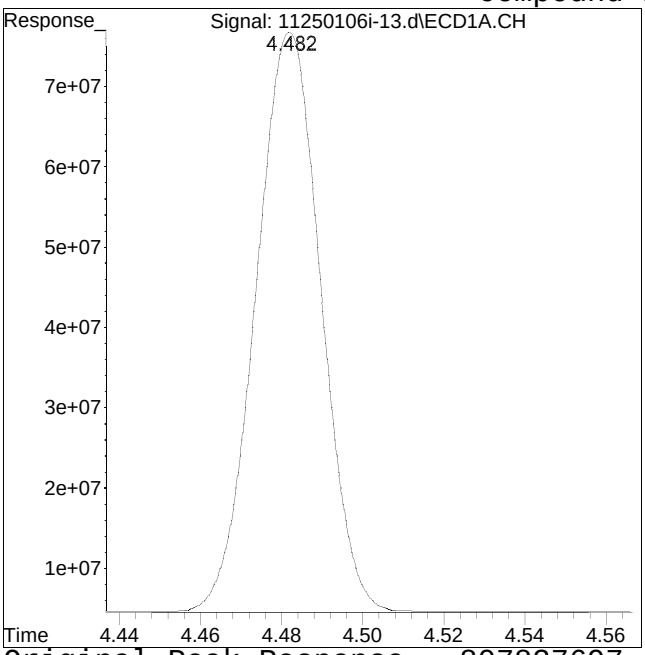


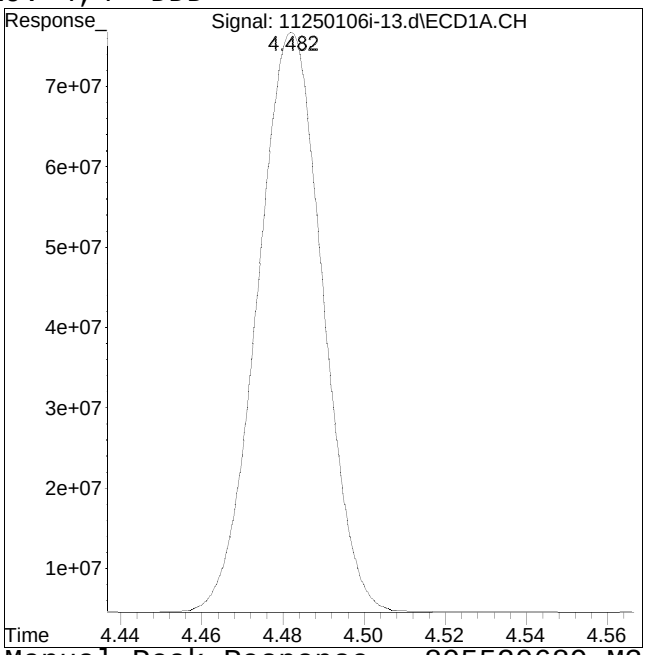
Original Peak Response = 446312622 Manual Peak Response = 440726938 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-13.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:45 Instrument : Pest 11
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/7/2025 12:42 pm

Compound #19: 4,4'-DDD



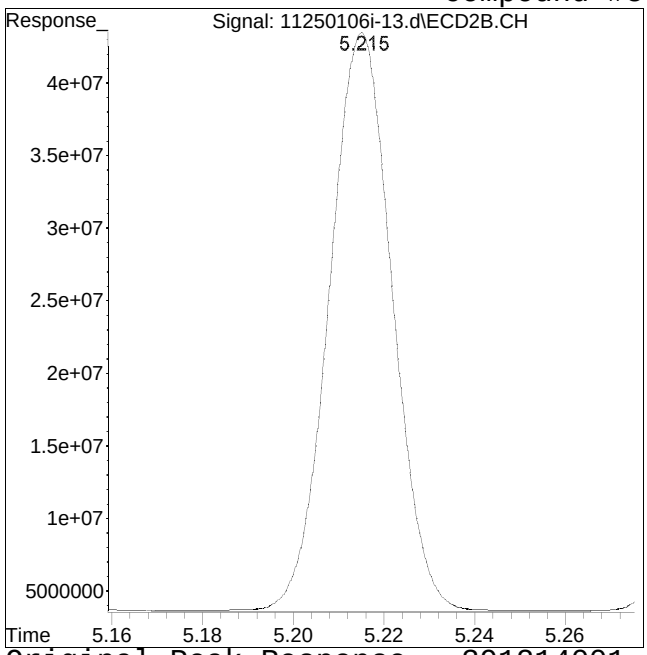


Original Peak Response = 807837697 Manual Peak Response = 805520689 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

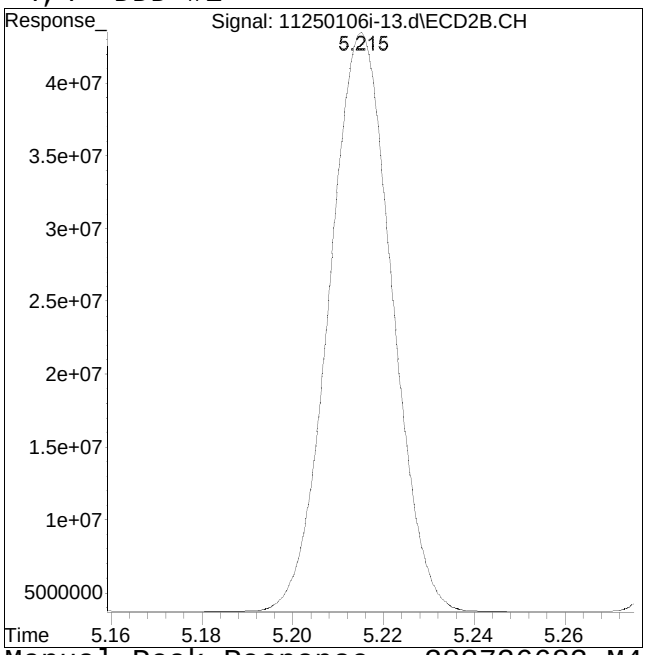
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-13.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:45 Instrument : Pest 11
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/7/2025 12:42 pm

Compound #57: 4,4'-DDD #2



Original Peak Response = 391214001



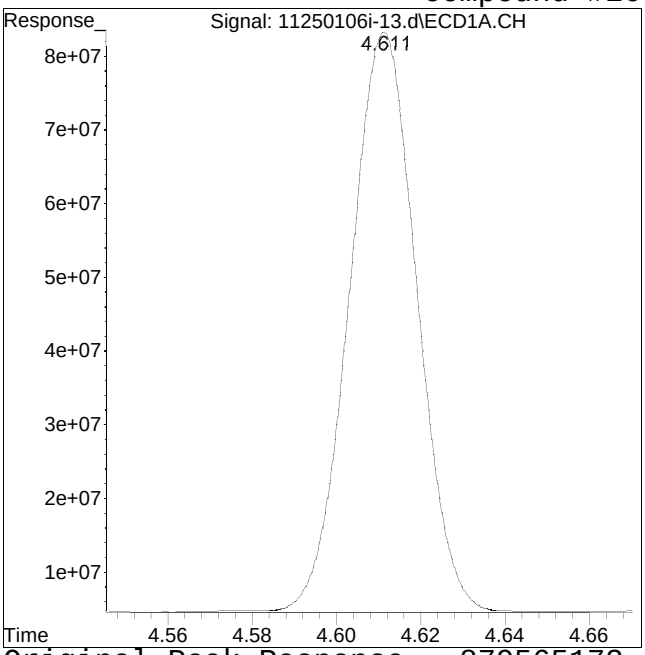
Manual Peak Response = 383736683 M4

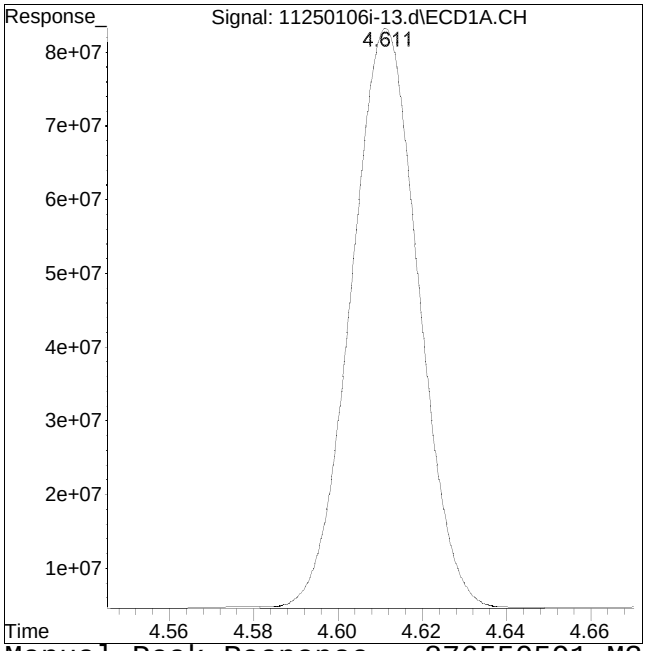
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-13.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:45 Instrument : Pest 11
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/7/2025 12:42 pm

Compound #20: Endosulfan II



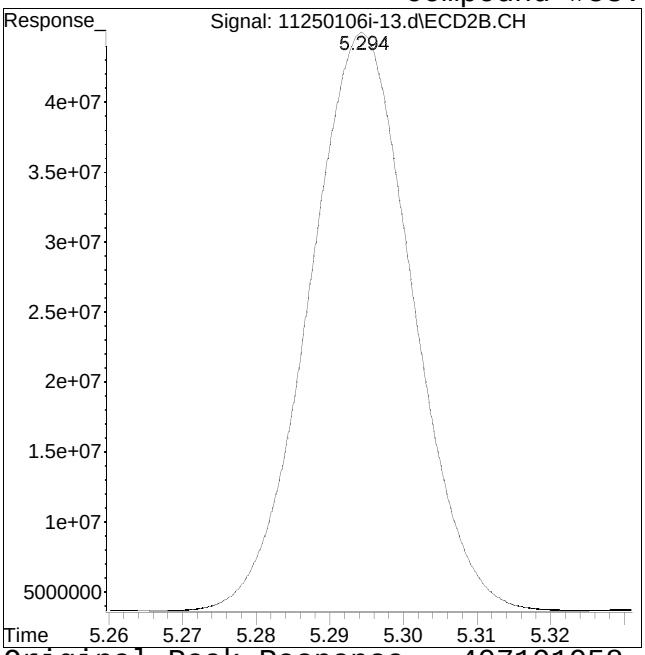


Original Peak Response = 879565173 Manual Peak Response = 876550591 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

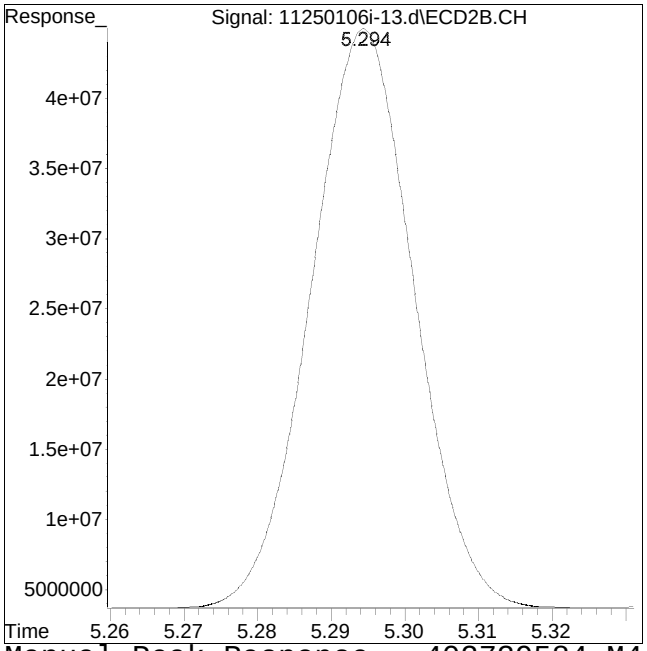
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-13.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:45 Instrument : Pest 11
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/7/2025 12:42 pm

Compound #58: Endosulfan II #2



Original Peak Response = 407191958



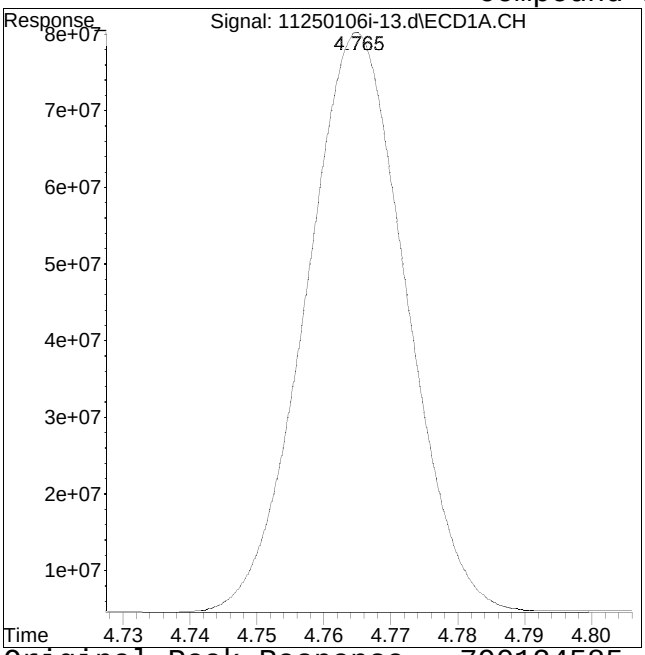
Manual Peak Response = 402739584 M4

M4 = Poor automated baseline construction.

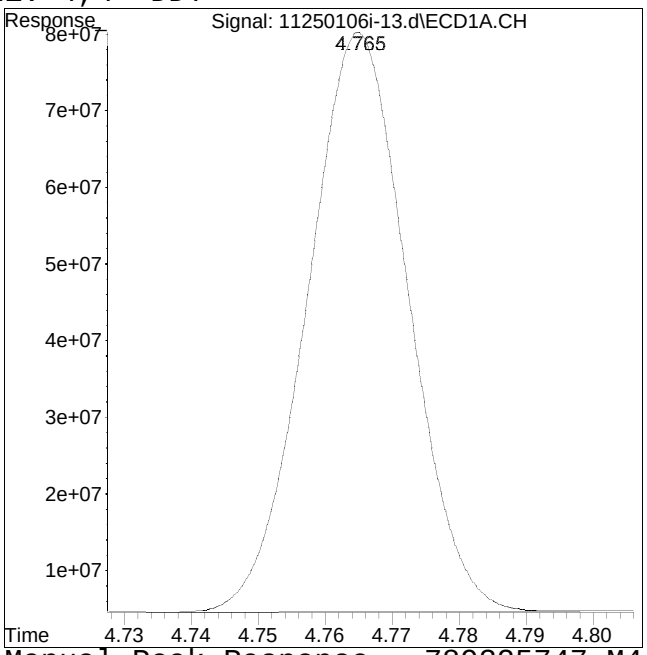
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-13.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:45 Instrument : Pest 11
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/7/2025 12:42 pm

Compound #21: 4,4'-DDT



Original Peak Response = 790124585

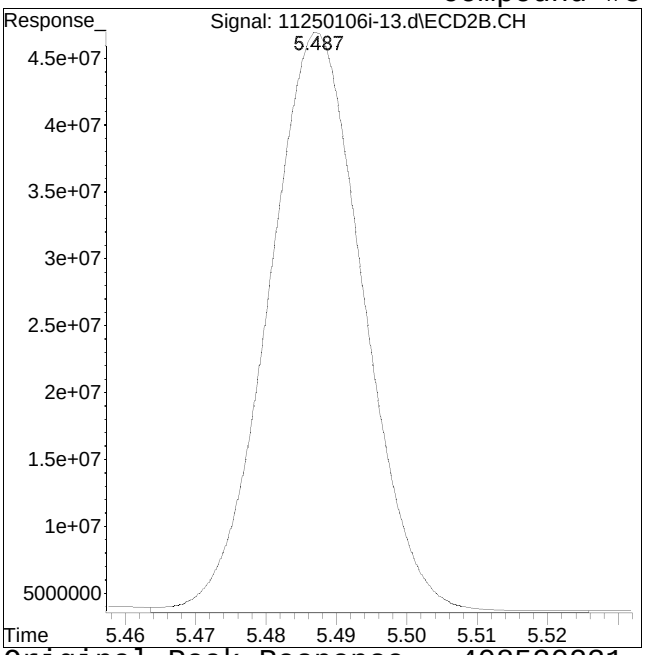


Manual Peak Response = 789325747 M4
M4 = Poor automated baseline construction.

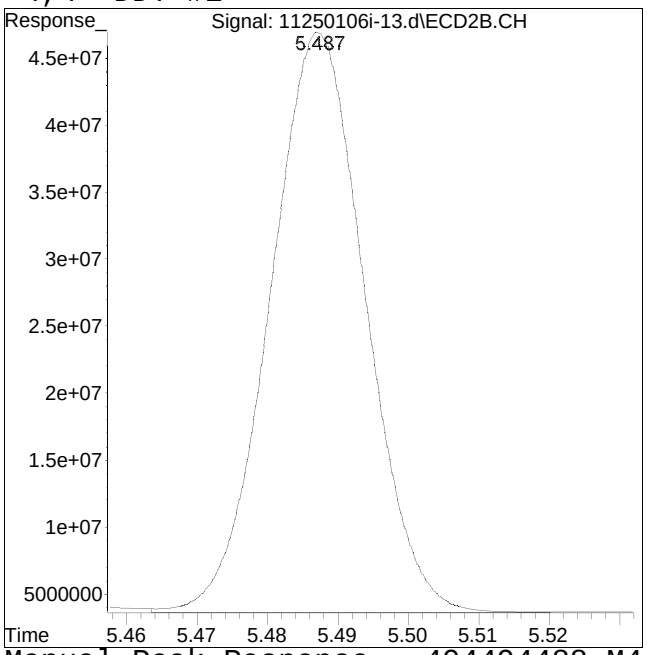
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-13.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:45 Instrument : Pest 11
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/7/2025 12:42 pm

Compound #59: 4,4'-DDT #2



Original Peak Response = 408530231



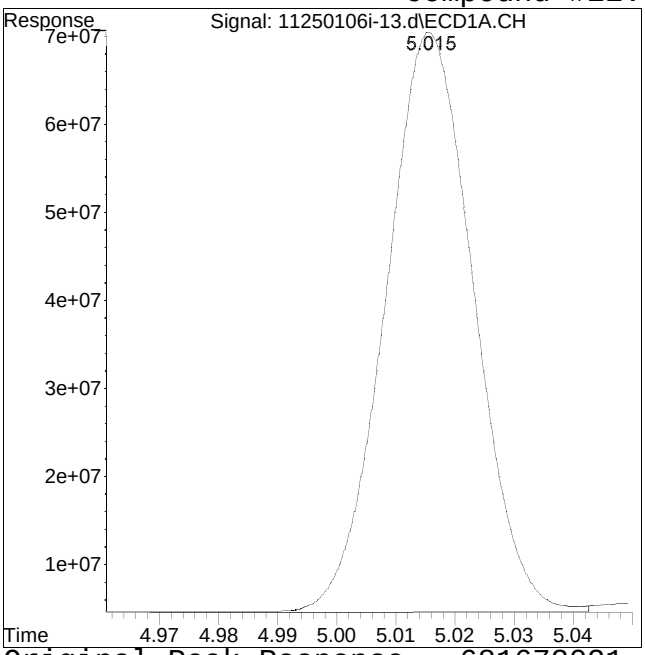
Manual Peak Response = 404494488 M4

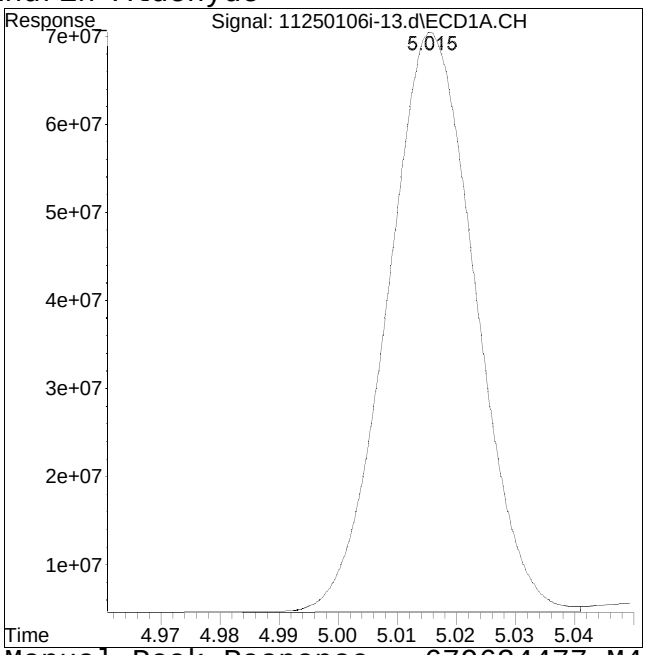
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-13.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:45 Instrument : Pest 11
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/7/2025 12:42 pm

Compound #22: Endrin Aldehyde





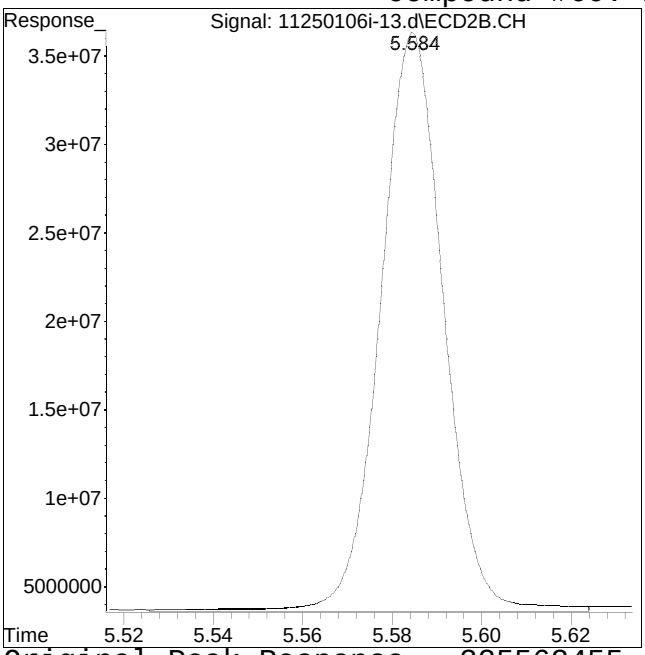
Original Peak Response = 681672021 Manual Peak Response = 679634477 M4
M4 = Poor automated baseline construction.

Manual Integration Report

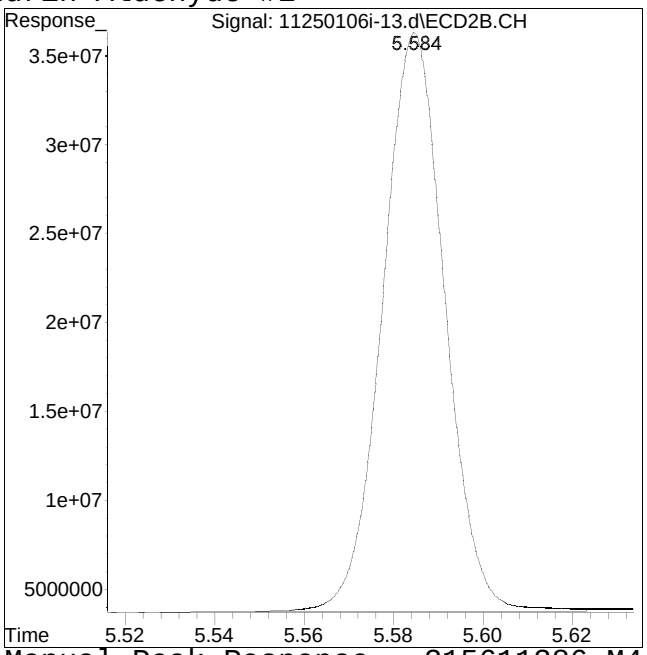
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-13.d
Date Inj'd : 1/6/2025 14:45
Sample : cicvpest,42e,,pp 11934 L0.

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:42 pm

Compound #60: Endrin Aldehyde #2



Original Peak Response = 325562455



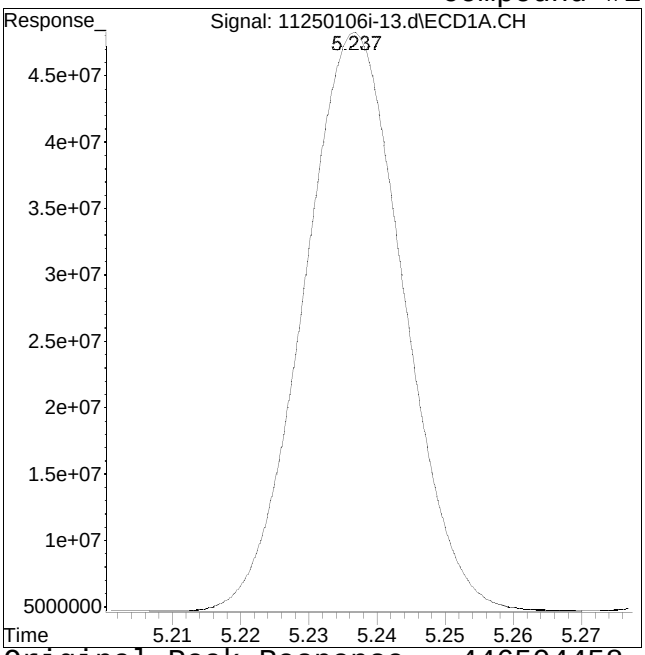
Manual Peak Response = 315611386 M4

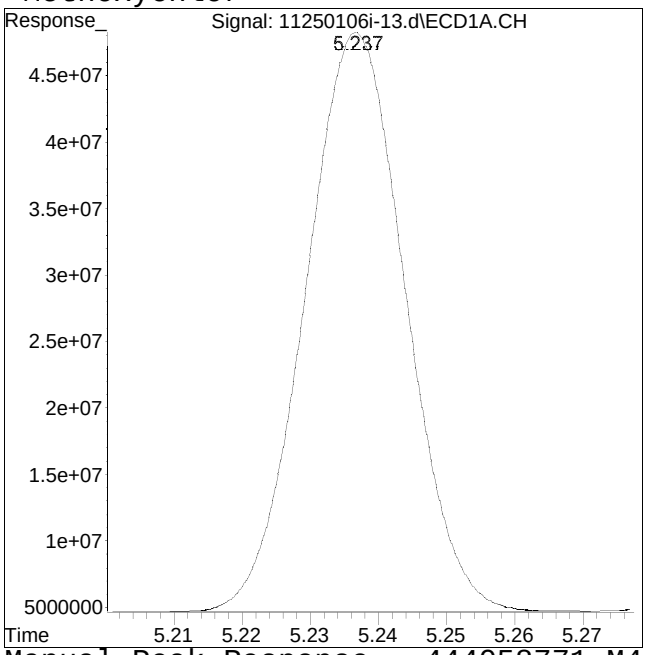
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-13.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:45 Instrument : Pest 11
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/7/2025 12:42 pm

Compound #23: Methoxychlor



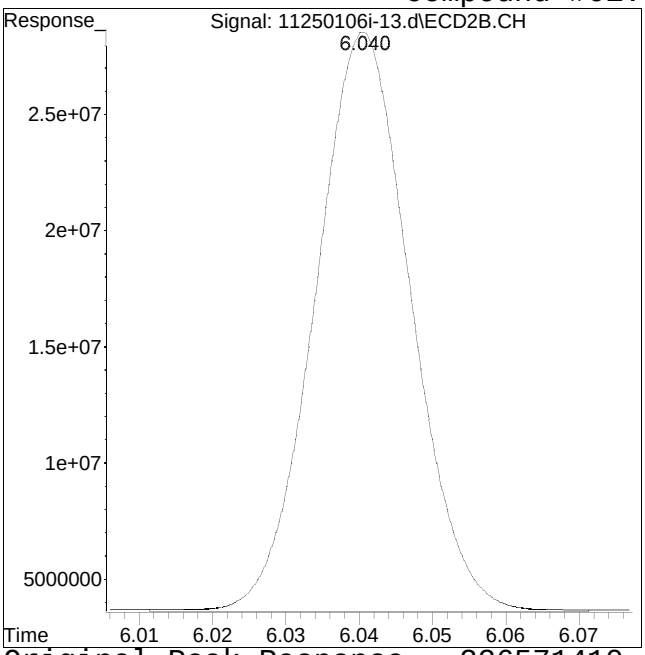


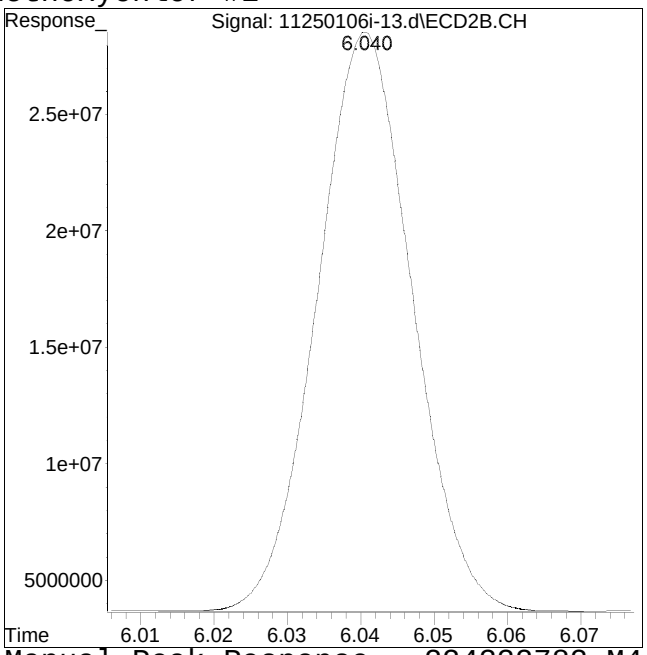
Original Peak Response = 446504458 Manual Peak Response = 444058771 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-13.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:45 Instrument : Pest 11
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/7/2025 12:42 pm

Compound #61: Methoxychlor #2



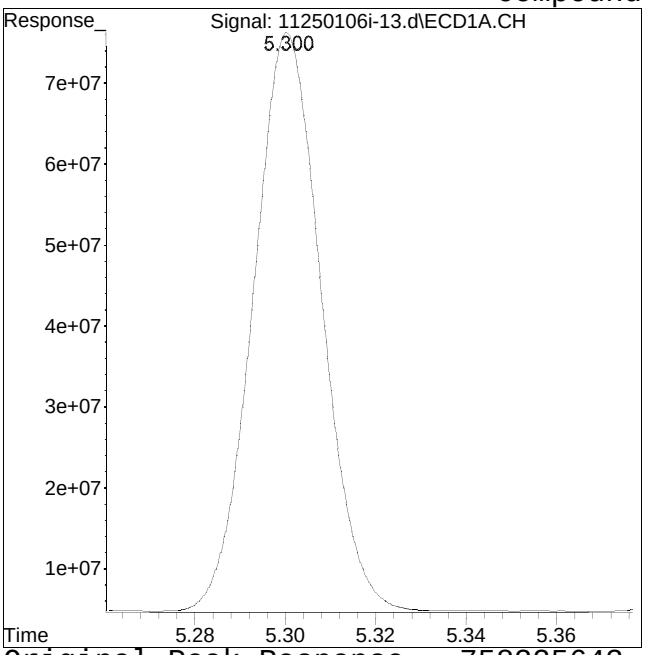


Original Peak Response = 226571410 Manual Peak Response = 224332782 M4
M4 = Poor automated baseline construction.

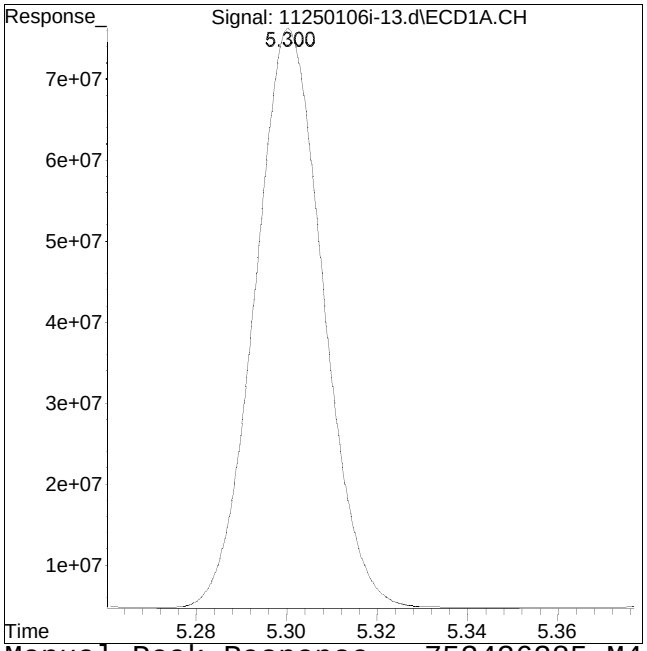
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-13.d
Date Inj'd : 1/6/2025 14:45
Sample : cicvpest,42e,,pp 11934 L0.
Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:42 pm

Compound #24: Mirex



Original Peak Response = 758325643



Manual Peak Response = 753436385 M4

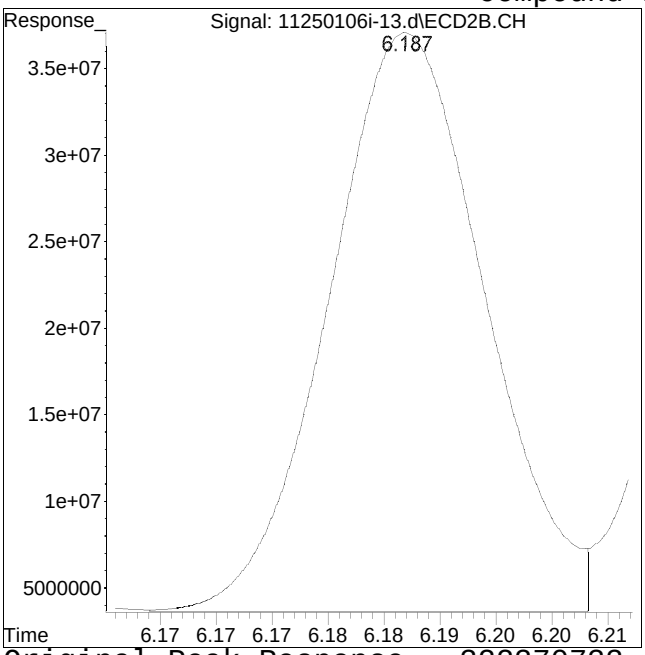
M4 = Poor automated baseline construction.

Manual Integration Report

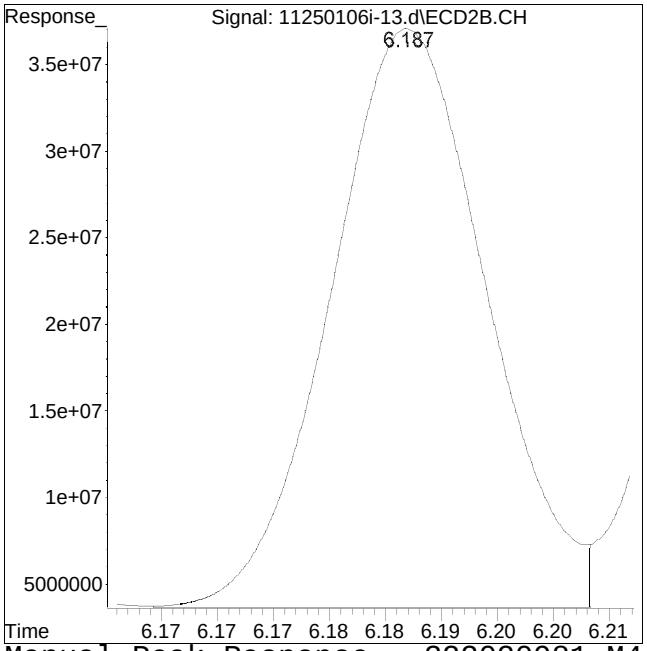
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-13.d
Date Inj'd : 1/6/2025 14:45
Sample : cicvpest,42e,,pp 11934 L0.

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:42 pm

Compound #62: Mirex #2



Original Peak Response = 322370733



Manual Peak Response = 322020981 M4

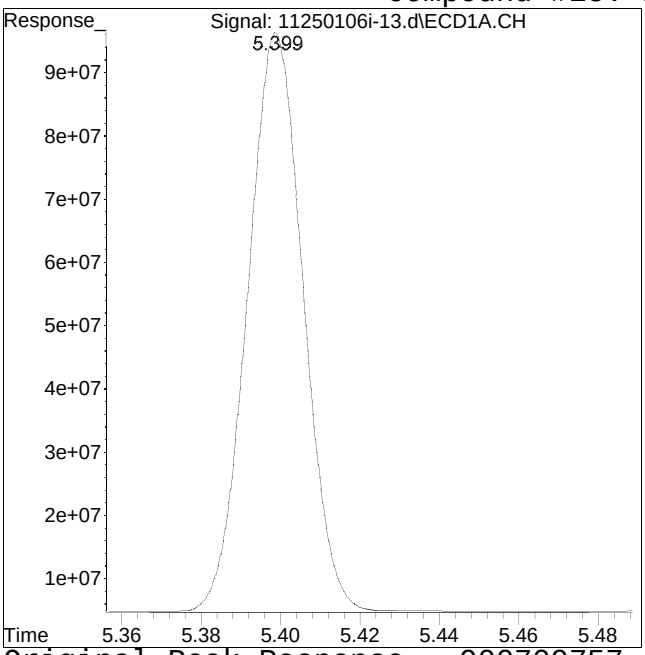
M4 = Poor automated baseline construction.

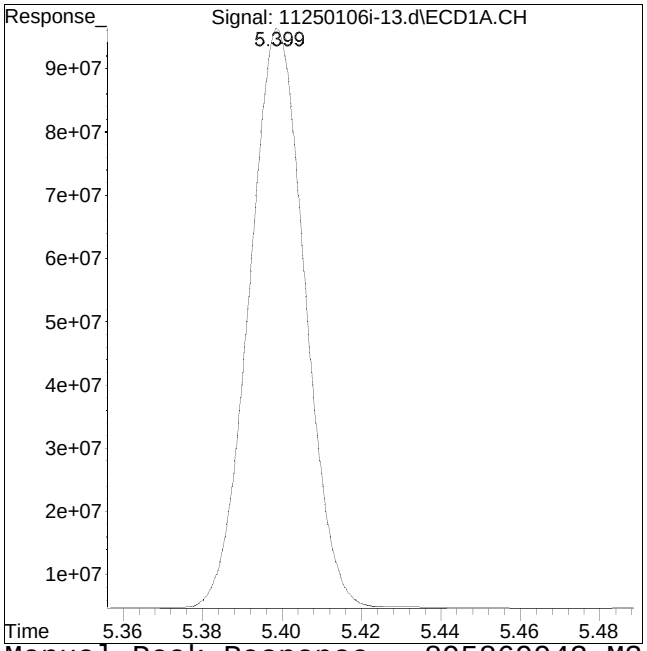
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-13.d
Date Inj'd : 1/6/2025 14:45
Sample : cicvpest,42e,,pp 11934 L0.

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:42 pm

Compound #25: Endosulfan Sulfate





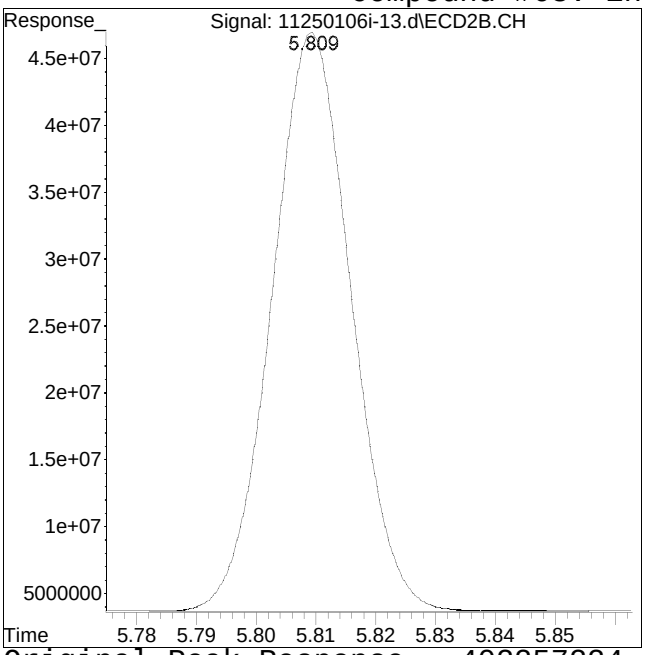
Original Peak Response = 900709757 Manual Peak Response = 895869943 M3

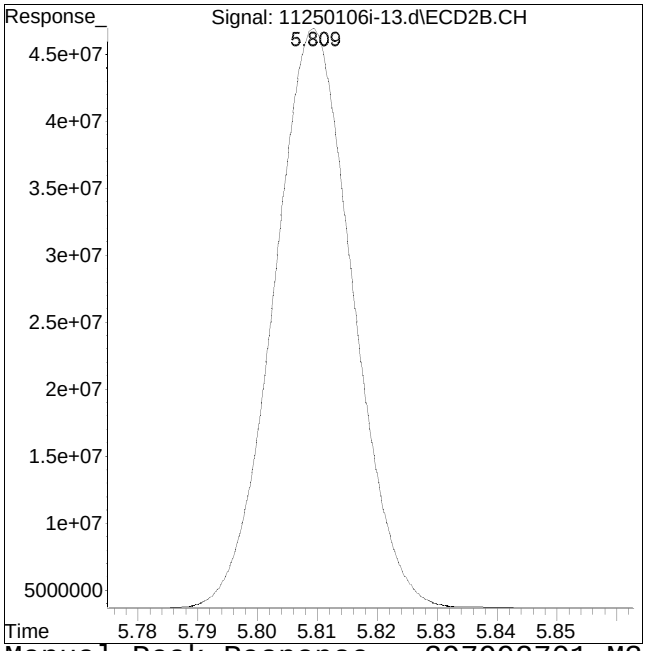
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-13.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:45 Instrument : Pest 11
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/7/2025 12:42 pm

Compound #63: Endosulfan Sulfate #2



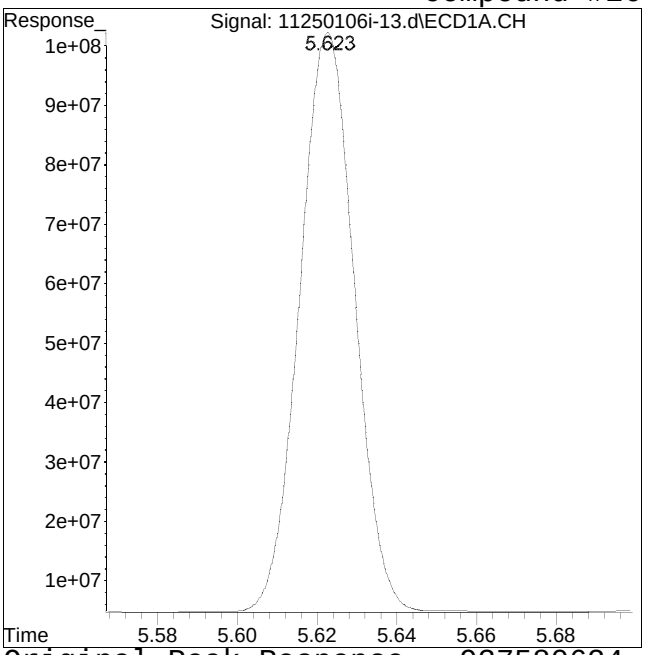


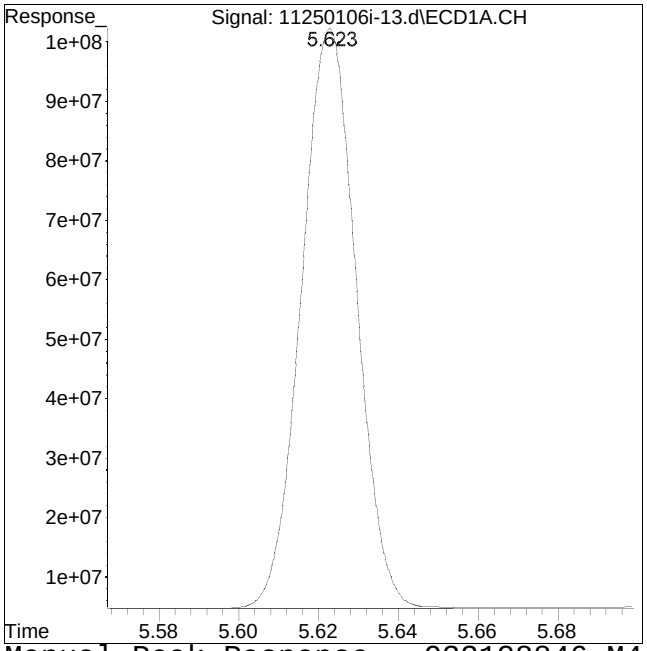
Original Peak Response = 402257224 Manual Peak Response = 397992701 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-13.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:45 Instrument : Pest 11
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/7/2025 12:42 pm

Compound #26: Endrin Ketone



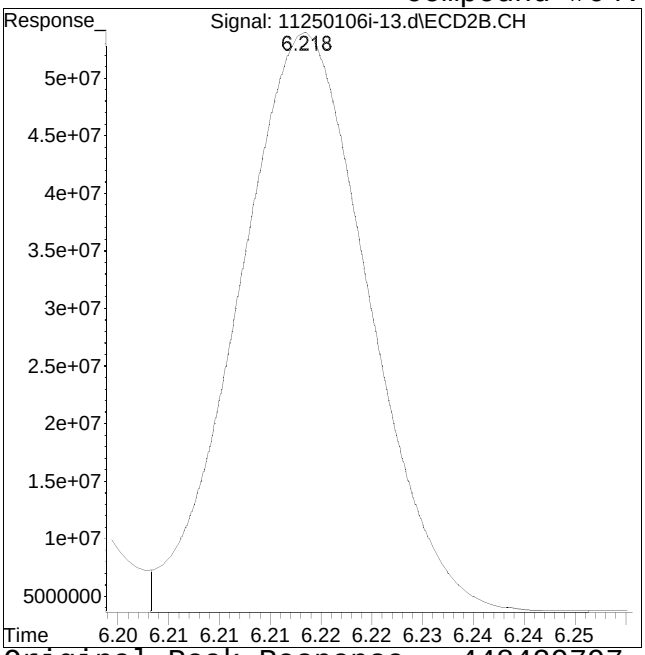


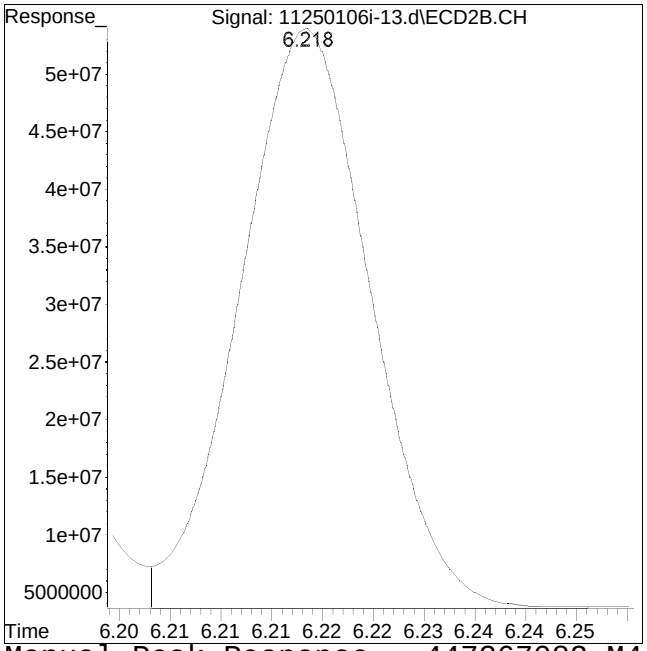
Original Peak Response = 937580624 Manual Peak Response = 933128846 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-13.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:45 Instrument : Pest 11
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/7/2025 12:42 pm

Compound #64: Endrin Ketone #2



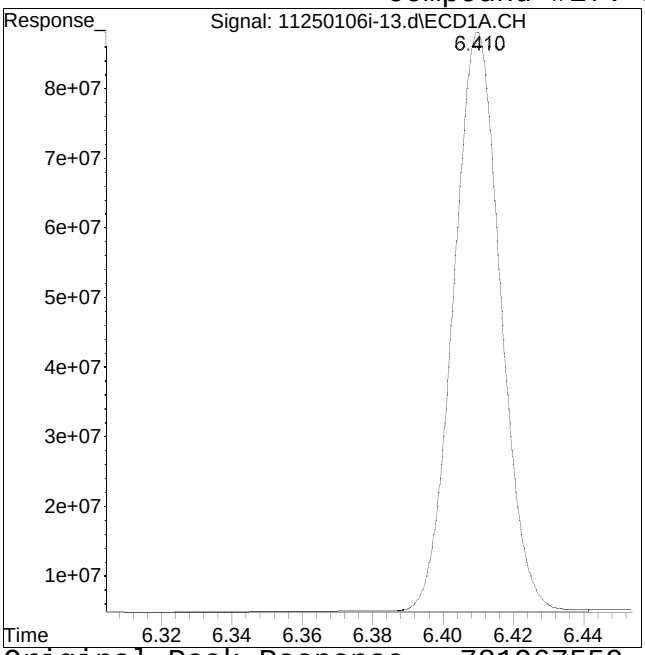


Original Peak Response = 448429797 Manual Peak Response = 447367082 M4
M4 = Poor automated baseline construction.

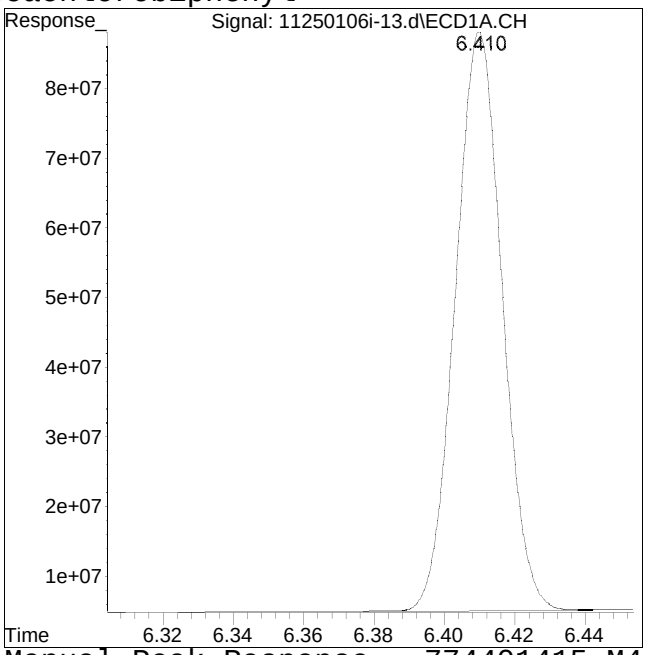
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-13.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:45 Instrument : Pest 11
Sample : cicvpest,42e,,pp 11934 L0.Quant Date : 1/7/2025 12:42 pm

Compound #27: Decachlorobiphenyl



Original Peak Response = 781967559



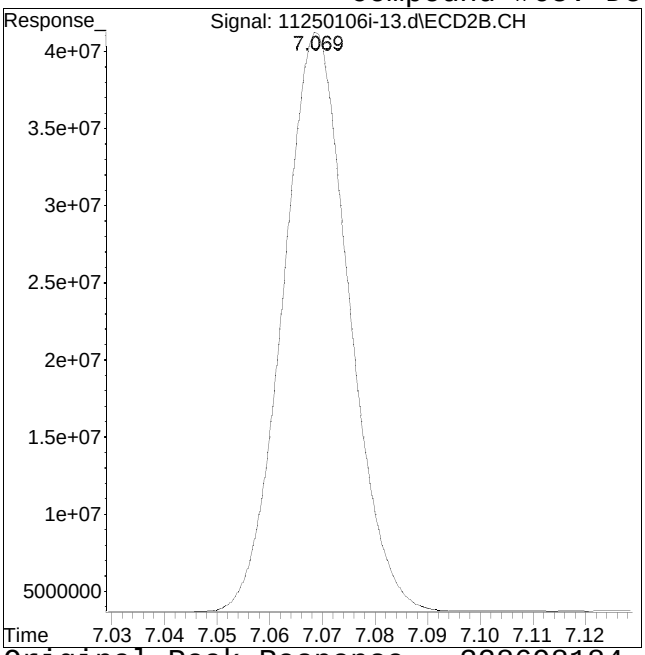
Manual Peak Response = 774401415 M4
M4 = Poor automated baseline construction.

Manual Integration Report

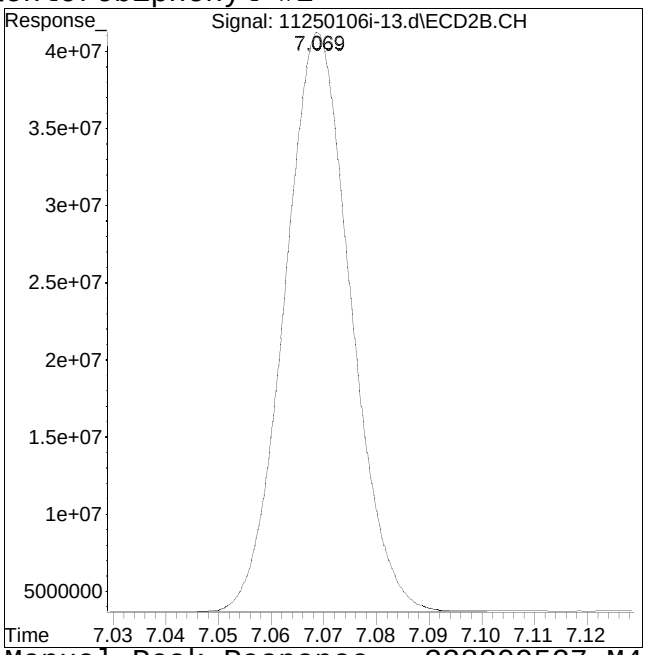
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-13.d
Date Inj'd : 1/6/2025 14:45
Sample : cicvpest,42e,,pp 11934 L0.

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:42 pm

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 328698184



Manual Peak Response = 328309527 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-14.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 14:57
Operator : PEST11:akm
Sample : il2chlor,42e,,pp 11939 L0.01
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:52:42 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:52:36 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.375	1.456	347.0E6	188.1E6	25.000M3	25.000M4
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-14.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 14:57
Operator : PEST11:akm
Sample : il2chlor,42e,,pp 11939 L0.01
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:52:42 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:52:36 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.569	2.977	7799386	5059552	11.428	15.532M4
30) l1	chlordane-3	3.004	3.611	11281295	6359129	13.370	15.923M4
31) l1	chlordane-4	3.580	4.313	41887771	18540650	14.021M4	14.620M4
32) l1	chlordane-5	3.713	4.474	63311524	15257424	13.813	15.327M4
Sum	chlordane-1			124.3E6	45216755	NoCal	NoCal D
Average	chlordane-1					13.158	15.351
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

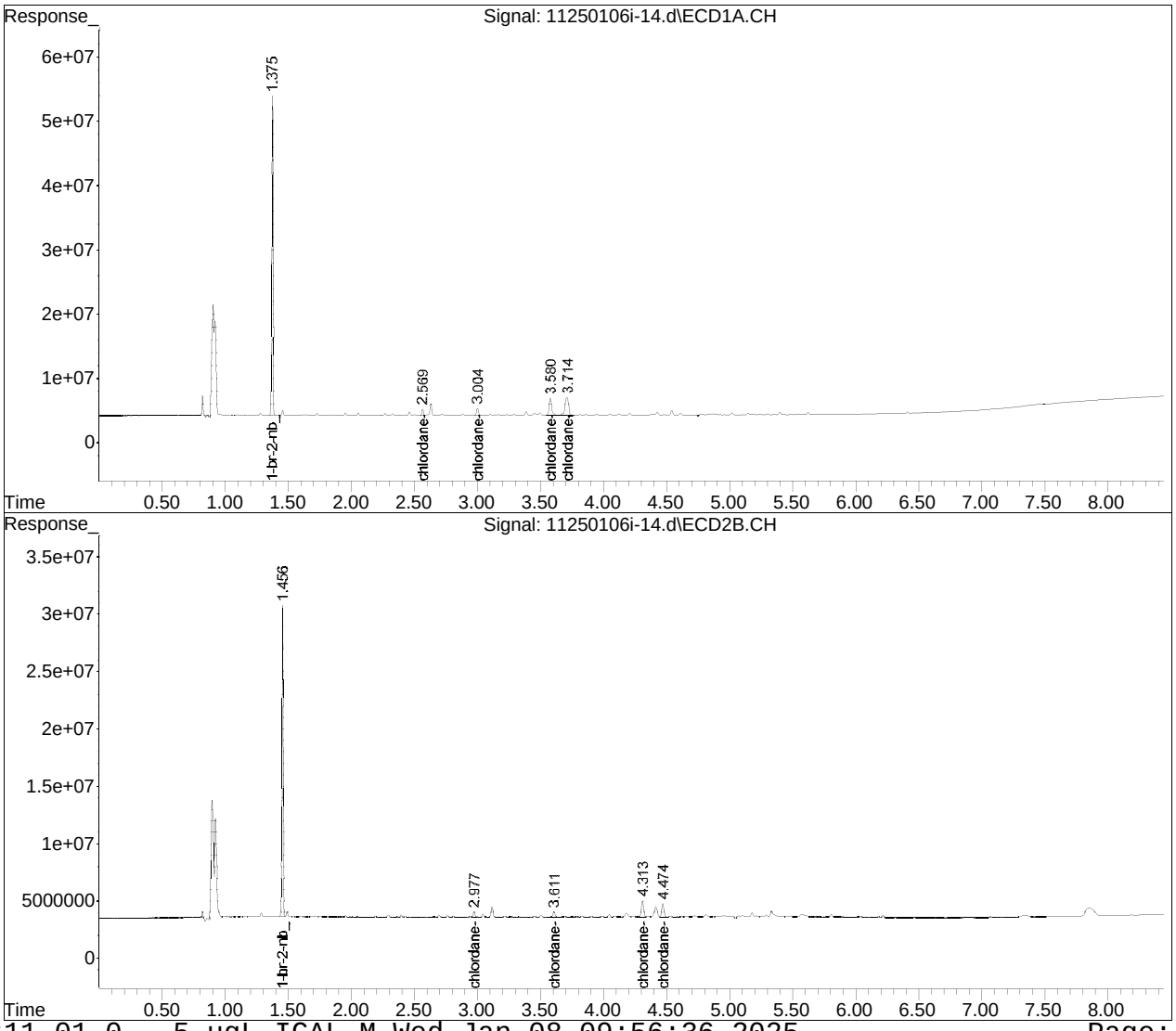
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-14.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 14:57
Operator : PEST11:akm
Sample : il2chlor,42e,,pp 11939 L0.01
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:52:42 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:52:36 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

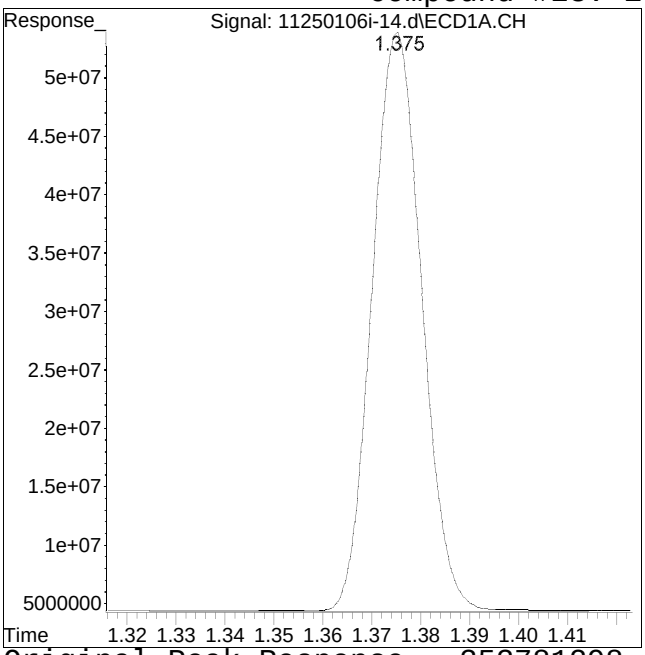
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

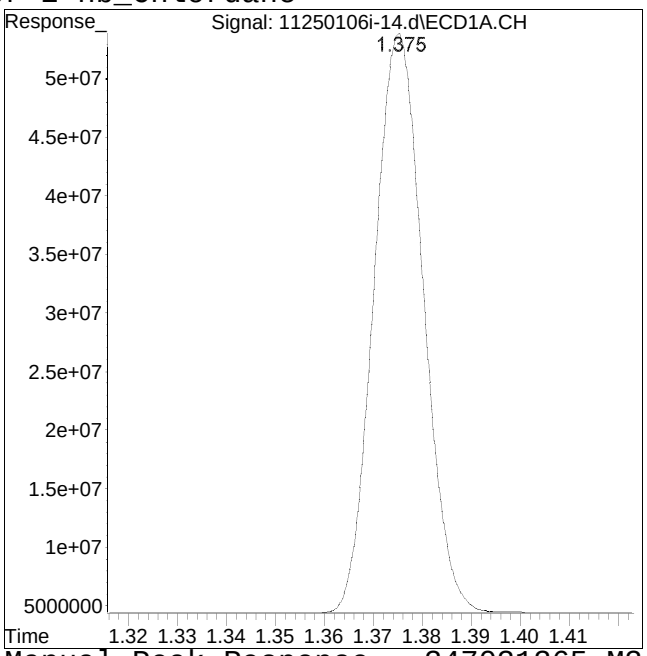


Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-14.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:57 Instrument : Pest 11
Sample : il2chlor,42e,,pp 11939 L0.Quant Date : 1/7/2025 12:52 pm

Compound #28: 1-br-2-nb_Chlordane





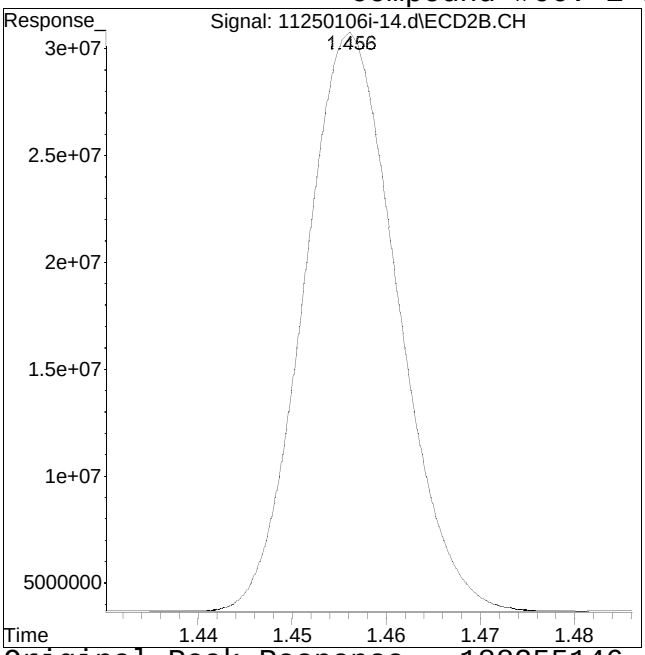
Original Peak Response = 353781298 Manual Peak Response = 347031365 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

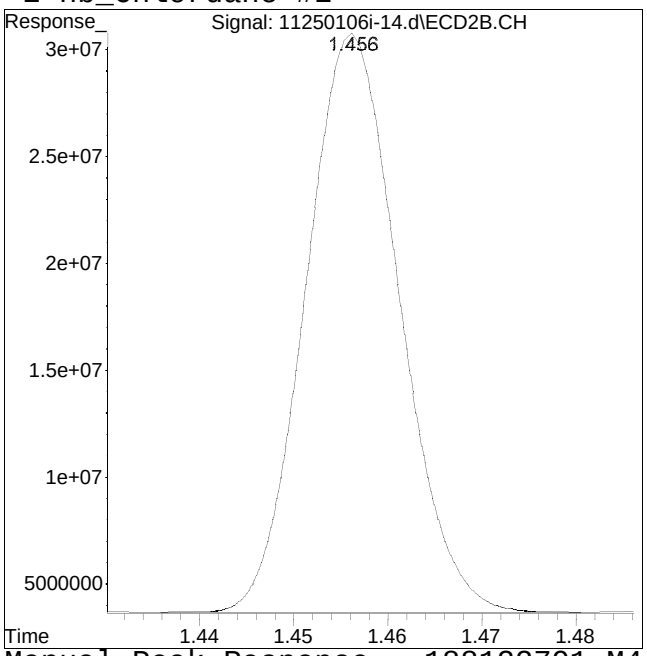
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-14.d
Date Inj'd : 1/6/2025 14:57
Sample : il2chlor,42e,,pp 11939 L0.

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:52 pm

Compound #66: 1-br-2-nb_Chlordane #2



Original Peak Response = 188255146



Manual Peak Response = 188122791 M4

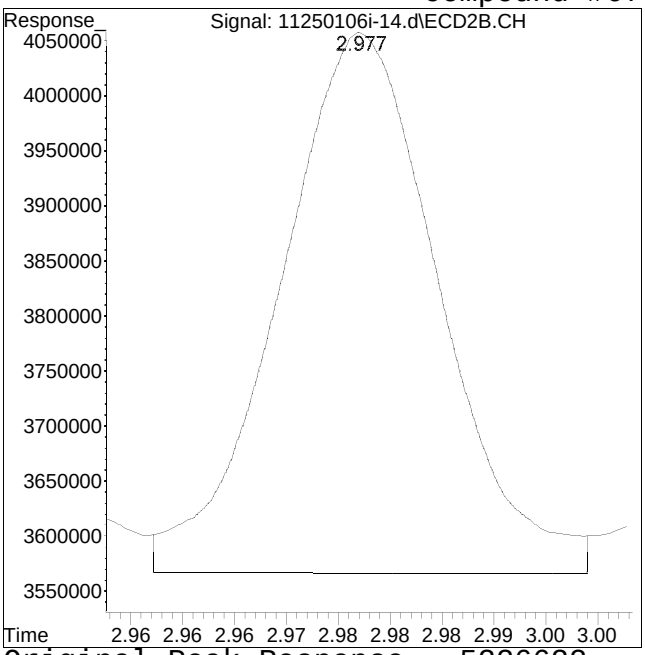
M4 = Poor automated baseline construction.

Manual Integration Report

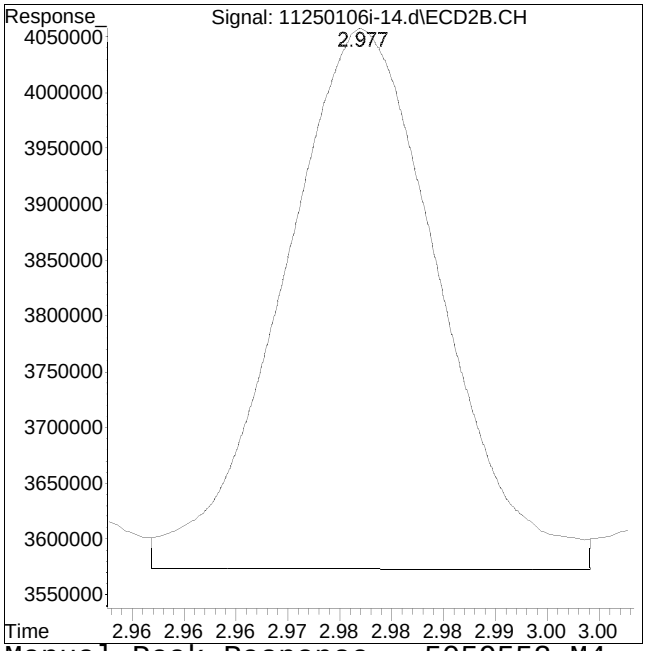
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-14.d
Date Inj'd : 1/6/2025 14:57
Sample : il2chlor,42e,,pp 11939 L0.

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:52 pm

Compound #67: chlordane-1 #2



Original Peak Response = 5226622



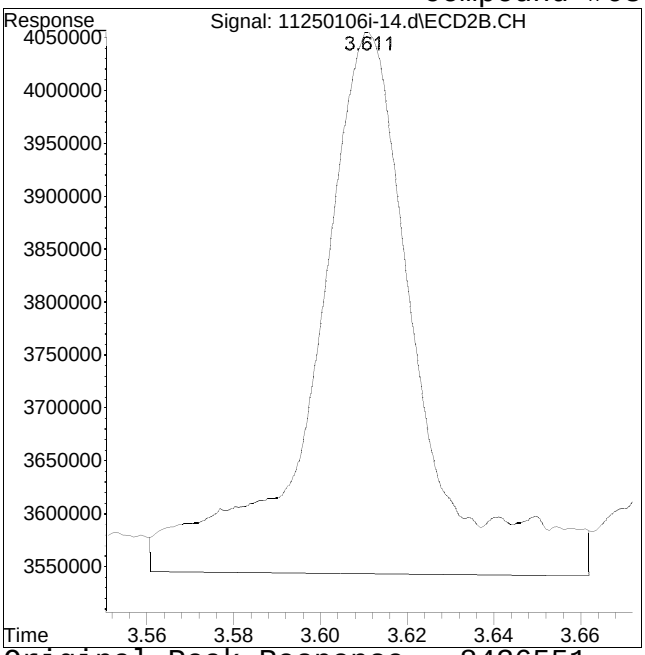
Manual Peak Response = 5059552 M4

M4 = Poor automated baseline construction.

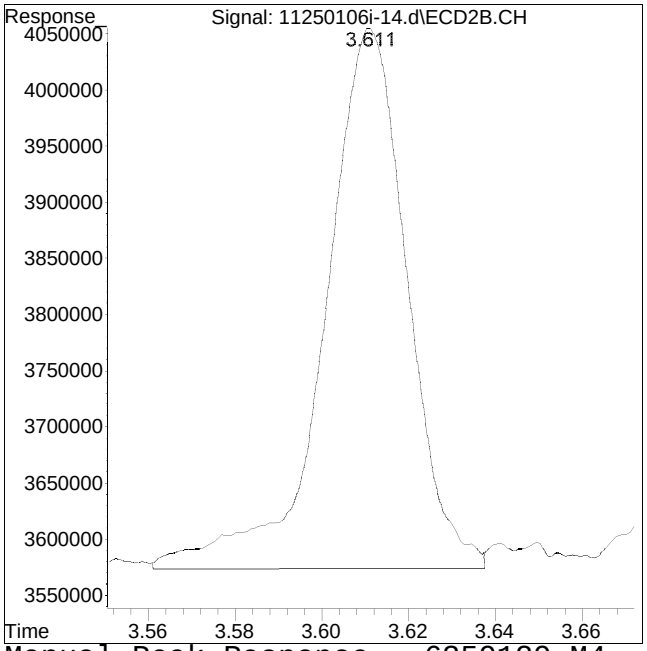
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-14.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:57 Instrument : Pest 11
Sample : il2chlor,42e,,pp 11939 L0.Quant Date : 1/7/2025 12:52 pm

Compound #68: chlordane-3 #2



Original Peak Response = 8436551



Manual Peak Response = 6359129 M4

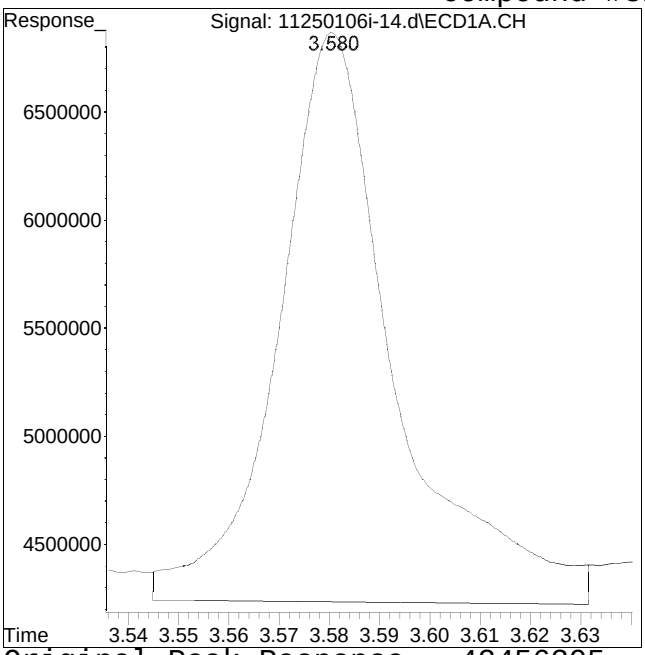
M4 = Poor automated baseline construction.

Manual Integration Report

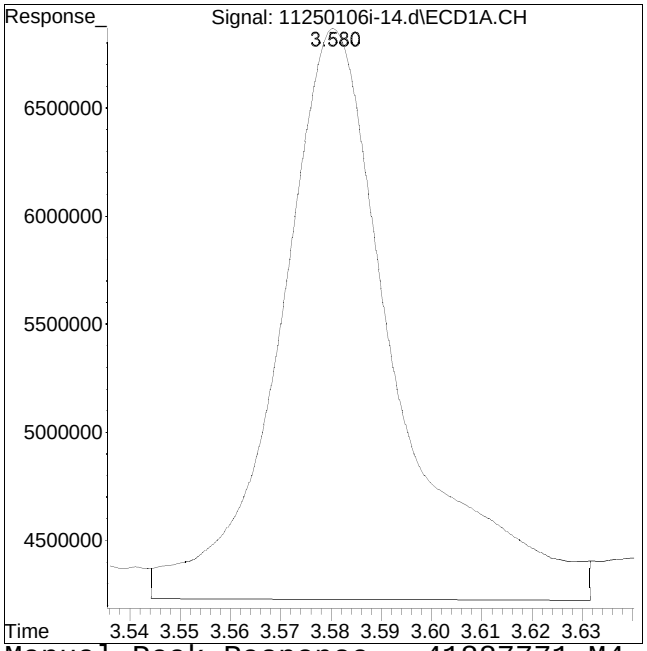
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-14.d
Date Inj'd : 1/6/2025 14:57
Sample : il2chlor,42e,,pp 11939 L0.

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:52 pm

Compound #31: chlordane-4



Original Peak Response = 42456395



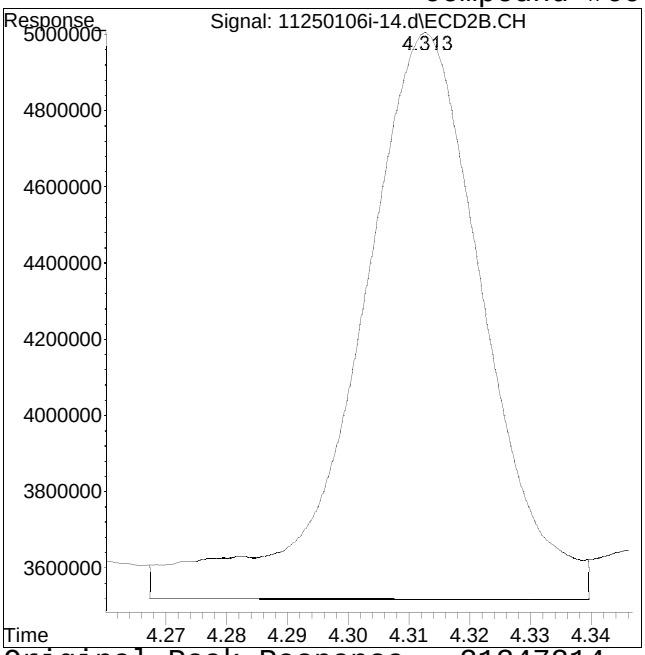
Manual Peak Response = 41887771 M4

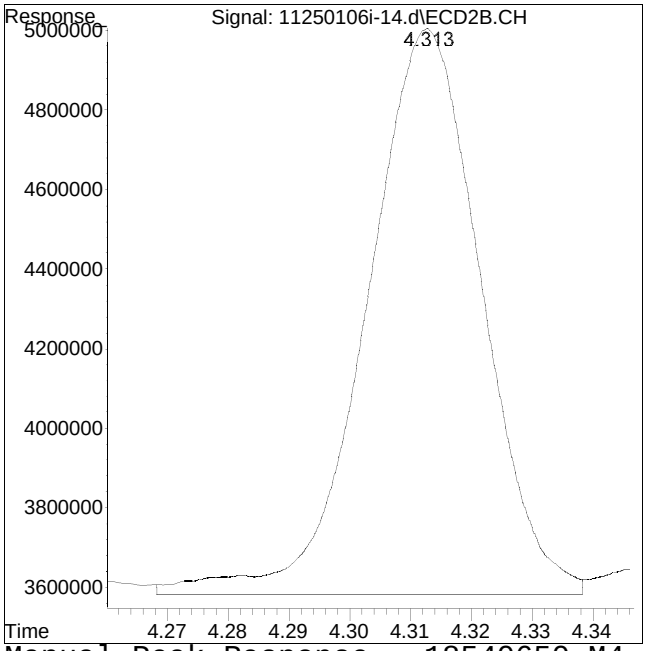
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-14.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:57 Instrument : Pest 11
Sample : il2chlor,42e,,pp 11939 L0.Quant Date : 1/7/2025 12:52 pm

Compound #69: chlordane-4 #2



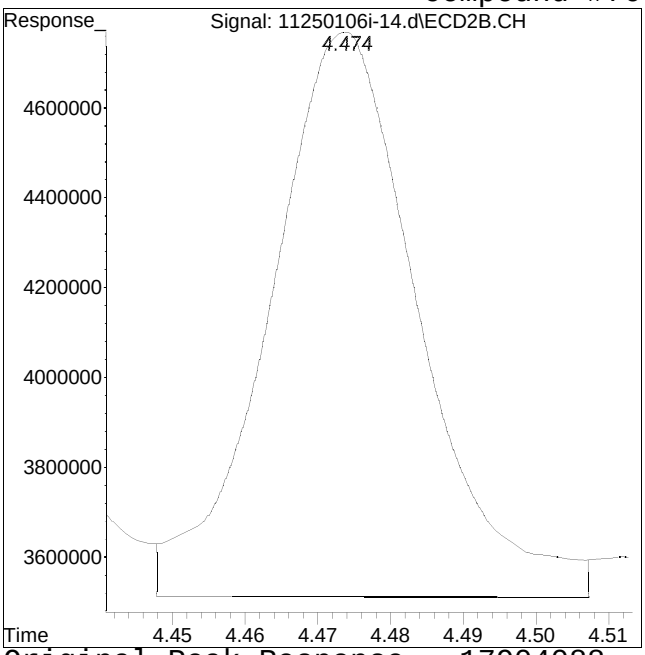


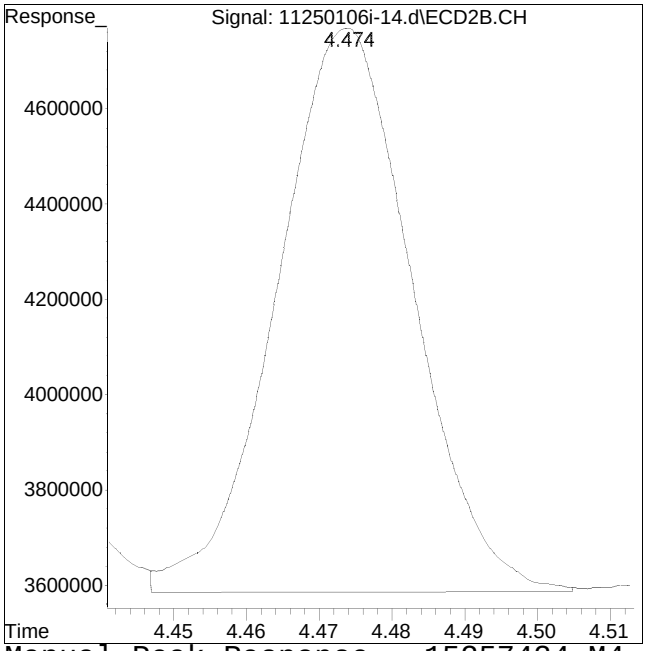
Original Peak Response = 21347214 Manual Peak Response = 18540650 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-14.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 14:57 Instrument : Pest 11
Sample : il2chlor,42e,,pp 11939 L0.Quant Date : 1/7/2025 12:52 pm

Compound #70: chlordane-5 #2





Original Peak Response = 17904088 Manual Peak Response = 15257424 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 15:09
Operator : PEST11:akm
Sample : il3chlor,42e,,pp 11939 L0.02
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:51:00 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:50:54 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.376	1.457	345.9E6	189.4E6	25.000M3	25.000M4
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 15:09
Operator : PEST11:akm
Sample : il3chlor,42e,,pp 11939 L0.02
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:51:00 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:50:54 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.569	2.977	15070661	8584960	22.563	27.607M4
30) l1	chlordane-3	3.004	3.611	20916962	10605397	25.927	27.865M4
31) l1	chlordane-4	3.581	4.313	65690137	30432336	22.450	24.631M4
32) l1	chlordane-5	3.712	4.473	98986851	24625620	21.974	25.553M4
Sum	chlordane-1			200.7E6	74248312	NoCal	NoCal D
Average	chlordane-1					23.229	26.414
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

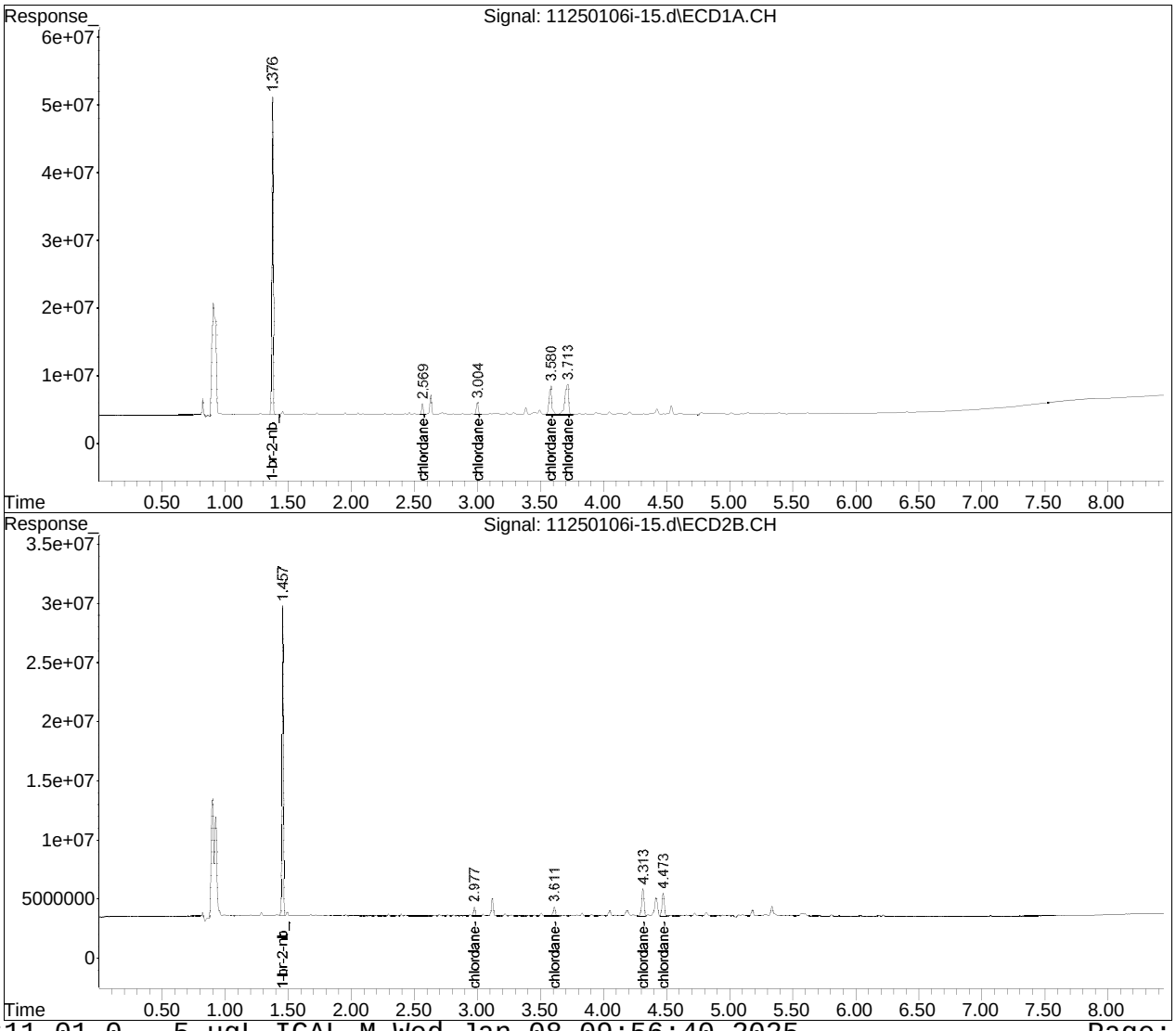
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 15:09
Operator : PEST11:akm
Sample : il3chlor,42e,,pp 11939 L0.02
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:51:00 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:50:54 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

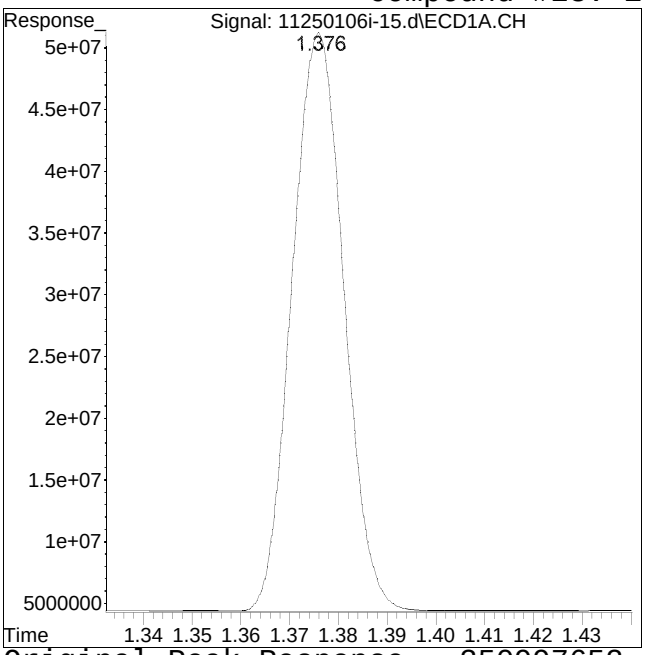


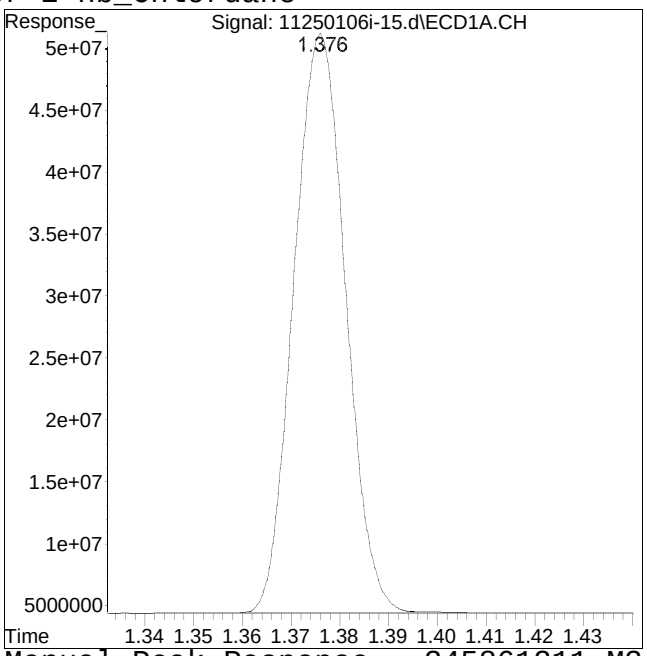
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-15.d
Date Inj'd : 1/6/2025 15:09
Sample : il3chlor,42e,,pp 11939 L0.

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:51 pm

Compound #28: 1-br-2-nb_Chlordane





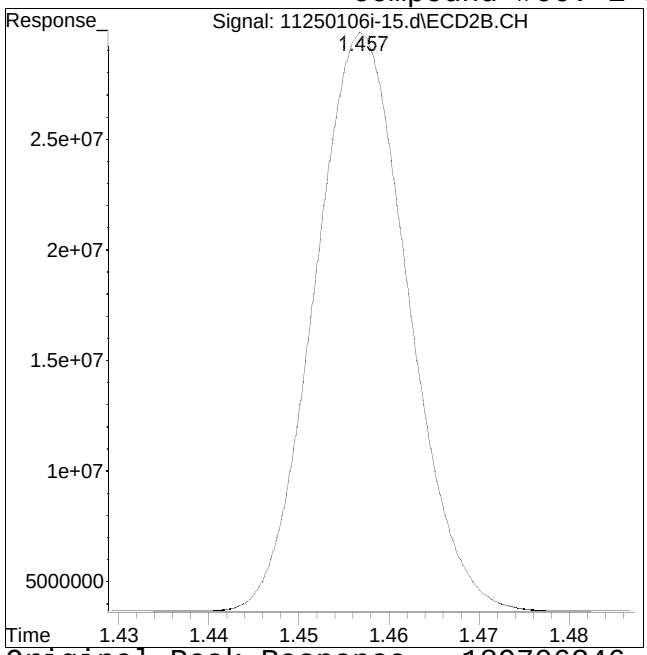
Original Peak Response = 350997652 Manual Peak Response = 345861211 M3

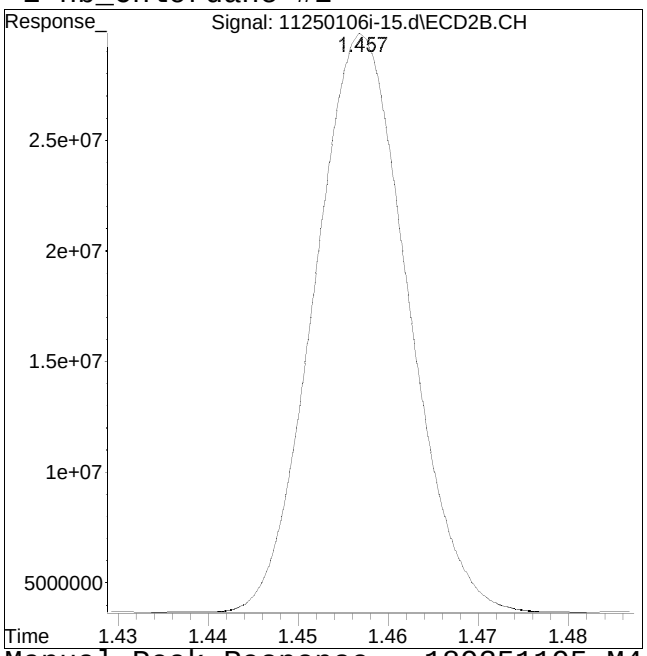
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-15.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 15:09 Instrument : Pest 11
Sample : il3chlor,42e,,pp 11939 L0.Quant Date : 1/7/2025 12:51 pm

Compound #66: 1-br-2-nb_Chlordane #2



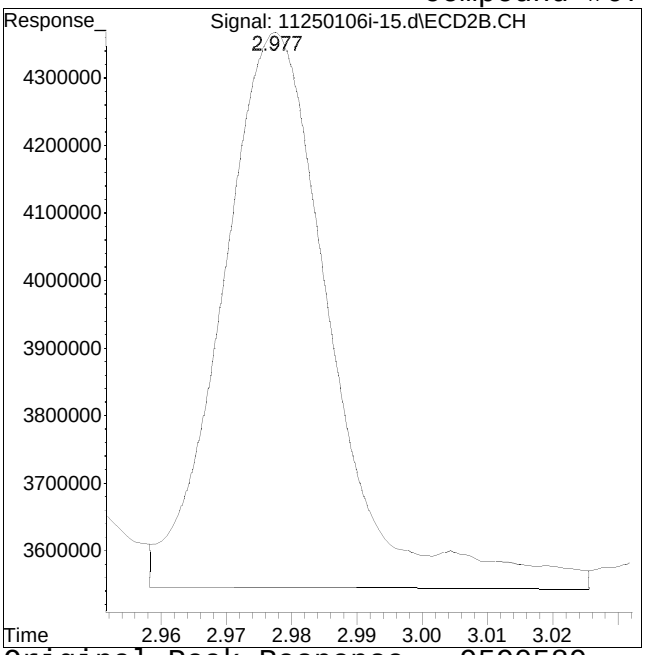


Original Peak Response = 189706246 Manual Peak Response = 189351195 M4
M4 = Poor automated baseline construction.

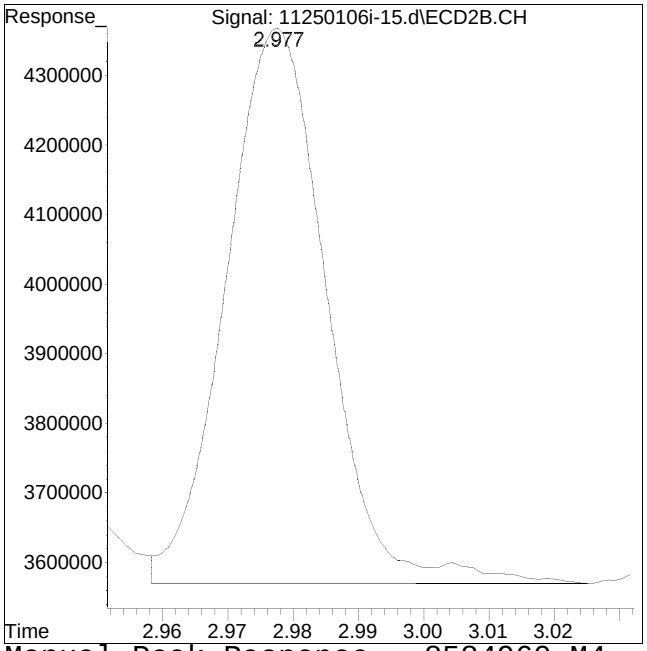
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-15.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 15:09 Instrument : Pest 11
Sample : il3chlor,42e,,pp 11939 L0.Quant Date : 1/7/2025 12:51 pm

Compound #67: chlordane-1 #2



Original Peak Response = 9590589



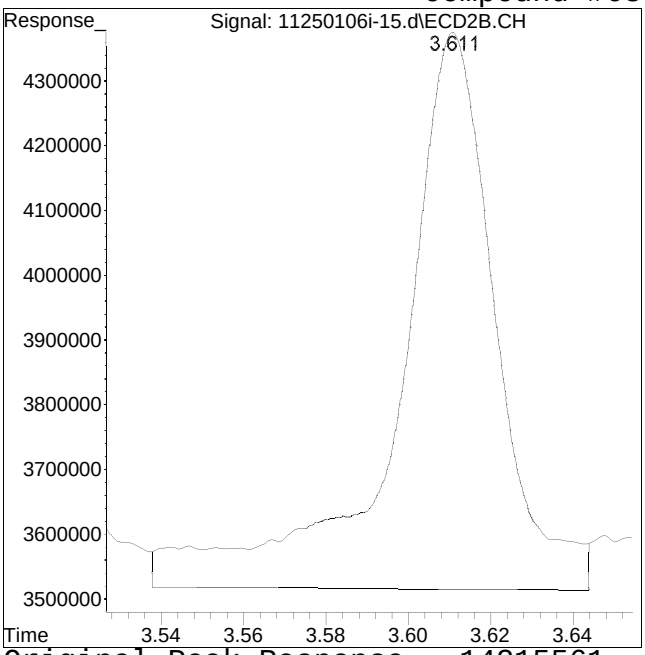
Manual Peak Response = 8584960 M4

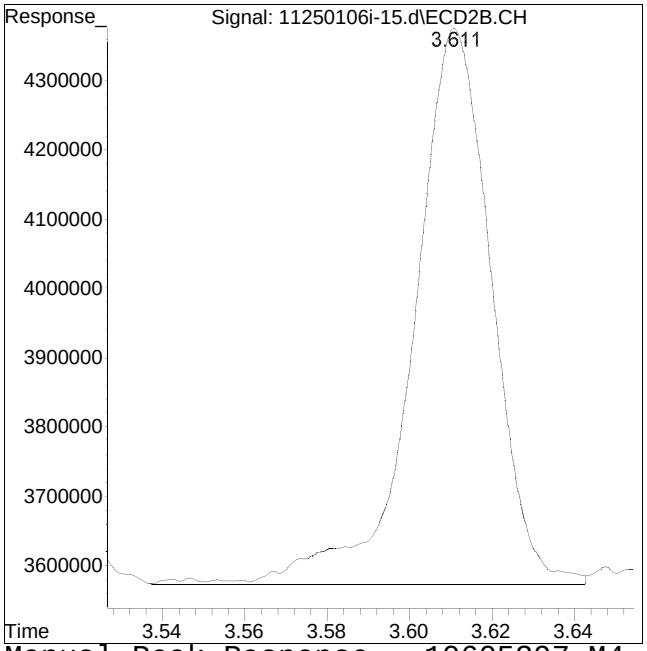
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-15.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 15:09 Instrument : Pest 11
Sample : il3chlor,42e,,pp 11939 L0.Quant Date : 1/7/2025 12:51 pm

Compound #68: chlordane-3 #2



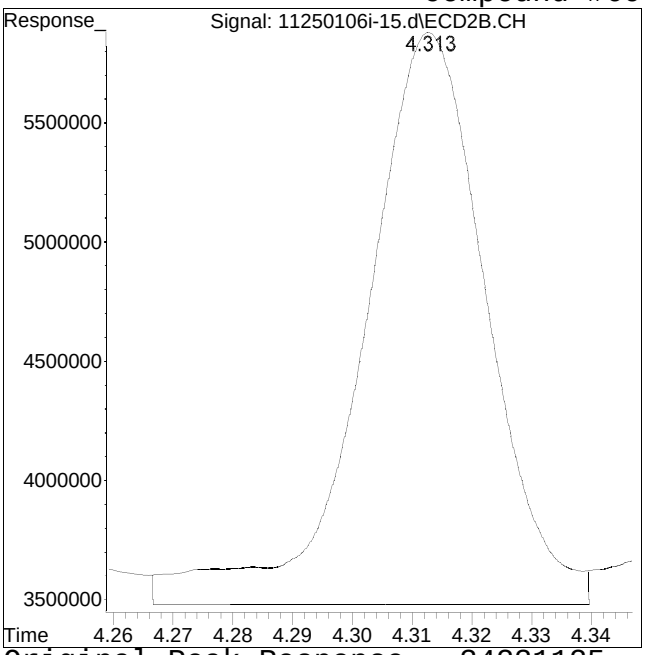


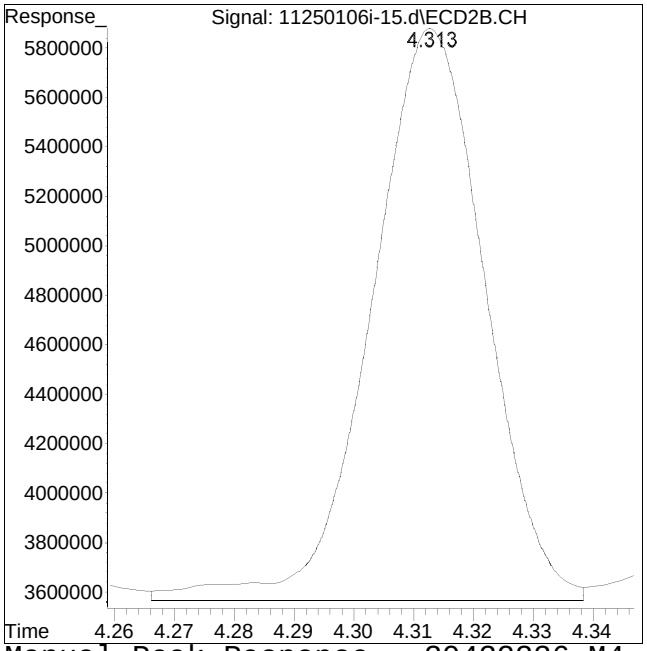
Original Peak Response = 14215561 Manual Peak Response = 10605397 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-15.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 15:09 Instrument : Pest 11
Sample : il3chlor,42e,,pp 11939 L0.Quant Date : 1/7/2025 12:51 pm

Compound #69: chlordane-4 #2



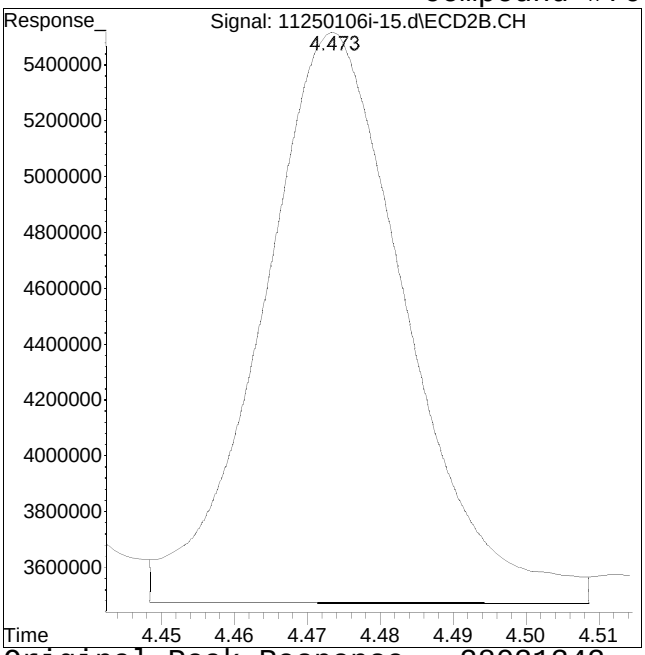


Original Peak Response = 34231125 Manual Peak Response = 30432336 M4
M4 = Poor automated baseline construction.

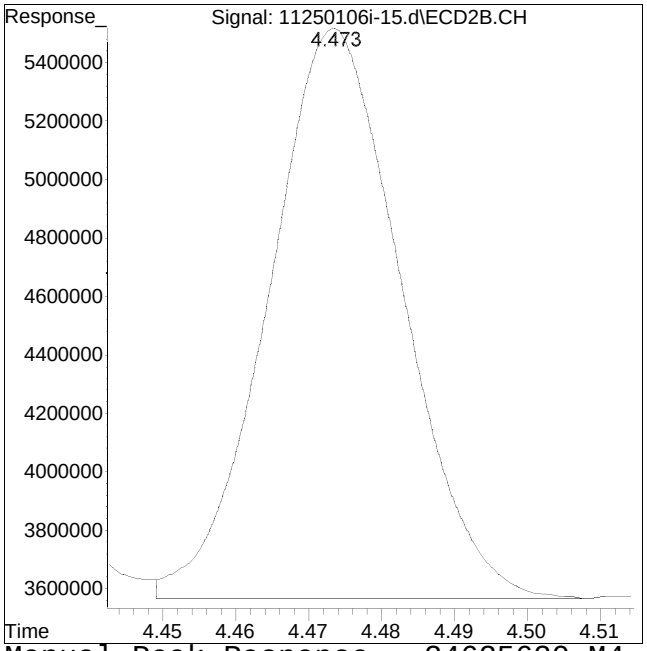
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-15.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 15:09 Instrument : Pest 11
Sample : il3chlor,42e,,pp 11939 L0.Quant Date : 1/7/2025 12:51 pm

Compound #70: chlordane-5 #2



Original Peak Response = 28031342



Manual Peak Response = 24625620 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-16.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 15:21
Operator : PEST11:akm
Sample : il4chlor,42e,,pp 11939 L0.05
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:48:29 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:48:22 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.376	1.457	343.1E6	185.8E6	25.000M3	25.000M4
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-16.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 15:21
Operator : PEST11:akm
Sample : il4chlor,42e,,pp 11939 L0.05
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:48:29 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:48:22 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.570	2.978	32605470	17618439	49.057	59.573M4
30) l1	chlordane-3	3.005	3.611	44196208	22626772	56.404	63.253M4
31) l1	chlordane-4	3.581	4.313	141.4E6	64409597	48.479M4	53.790M4
32) l1	chlordane-5	3.711	4.474	217.6E6	51533931	48.431M4	55.485M4
Sum	chlordane-1			435.8E6	156.2E6	NoCal	NoCal D
Average	chlordane-1					50.593	58.025
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

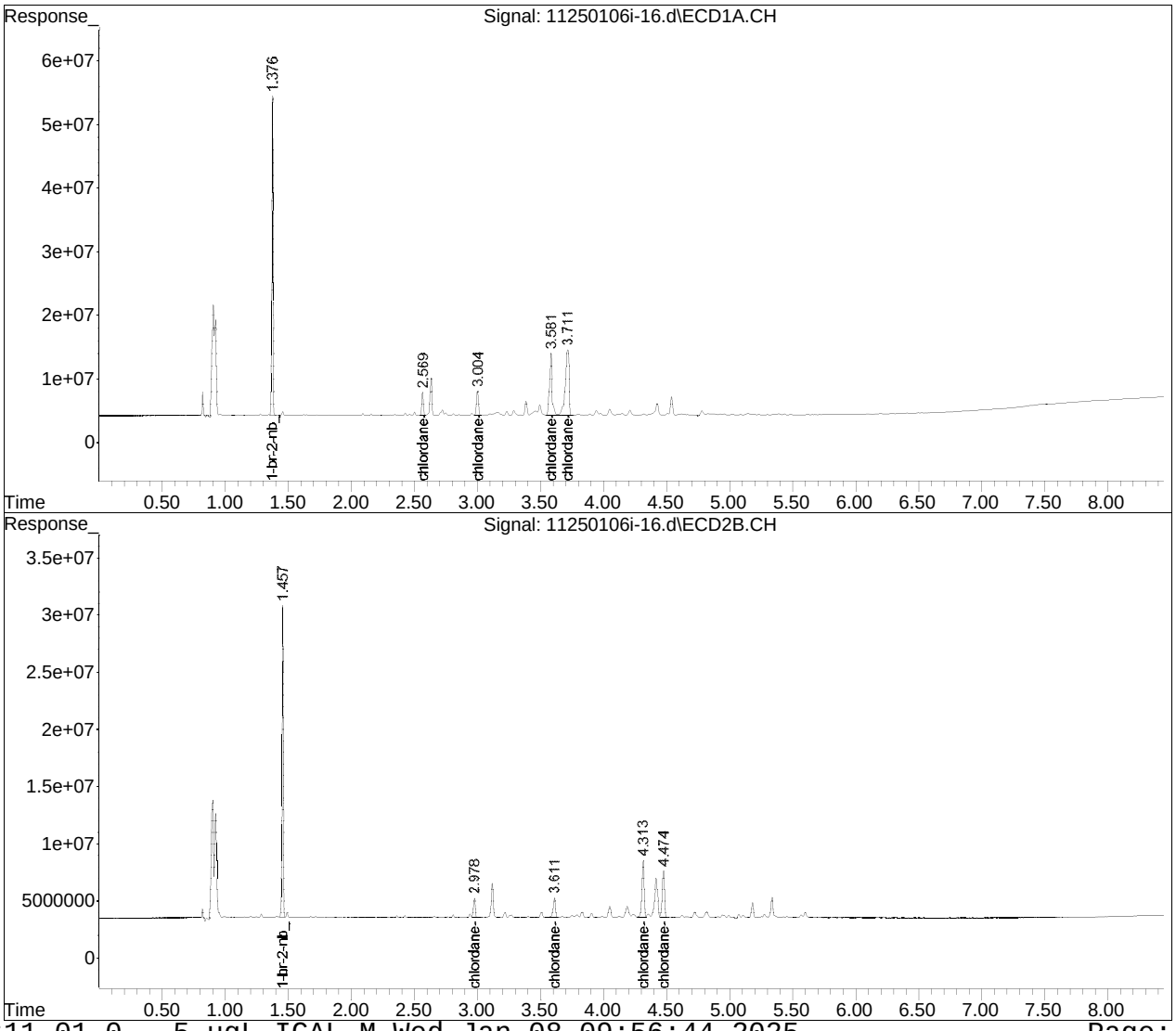
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-16.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 15:21
Operator : PEST11:akm
Sample : il4chlor,42e,,pp 11939 L0.05
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:48:29 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:48:22 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

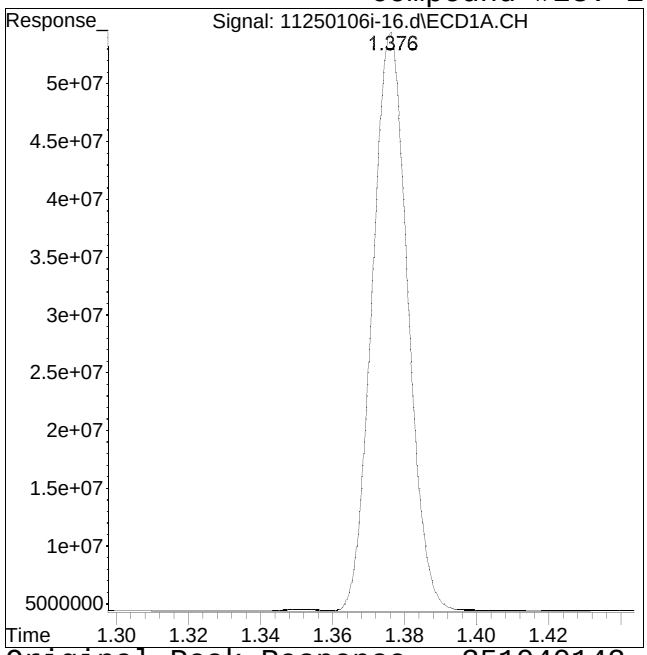
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

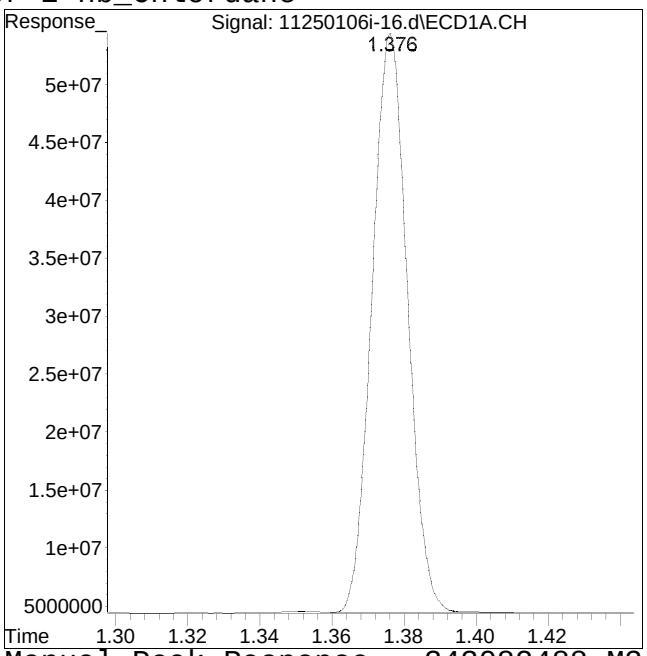


Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-16.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 15:21 Instrument : Pest 11
Sample : il4chlor,42e,,pp 11939 L0.Quant Date : 1/7/2025 12:48 pm

Compound #28: 1-br-2-nb_Chlordane





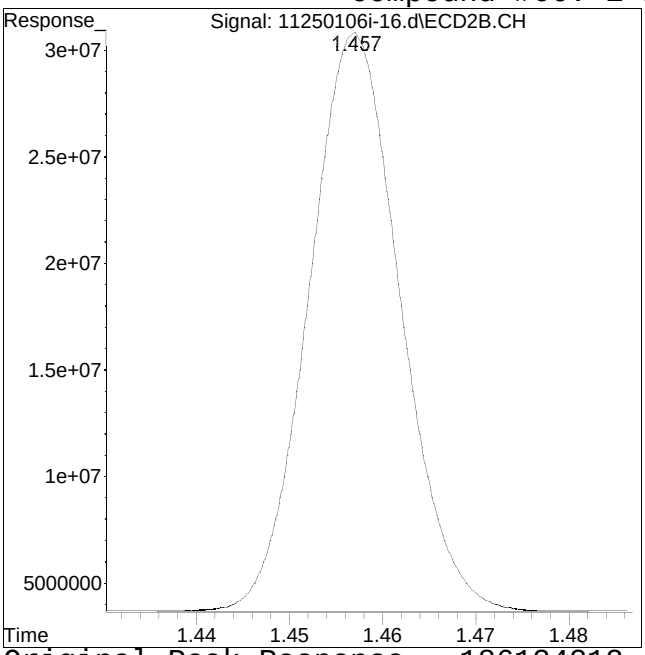
Original Peak Response = 351040142 Manual Peak Response = 343082488 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

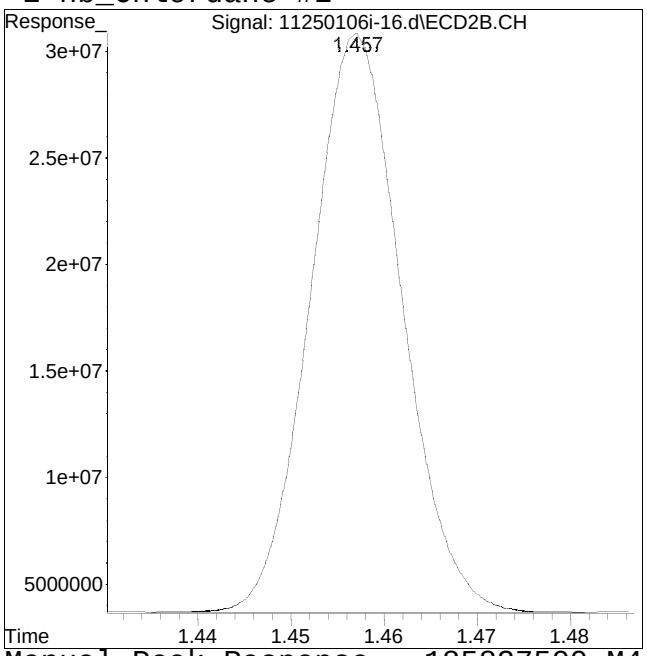
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-16.d
Date Inj'd : 1/6/2025 15:21
Sample : il4chlor,42e,,pp 11939 L0.

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:48 pm

Compound #66: 1-br-2-nb_Chlordane #2



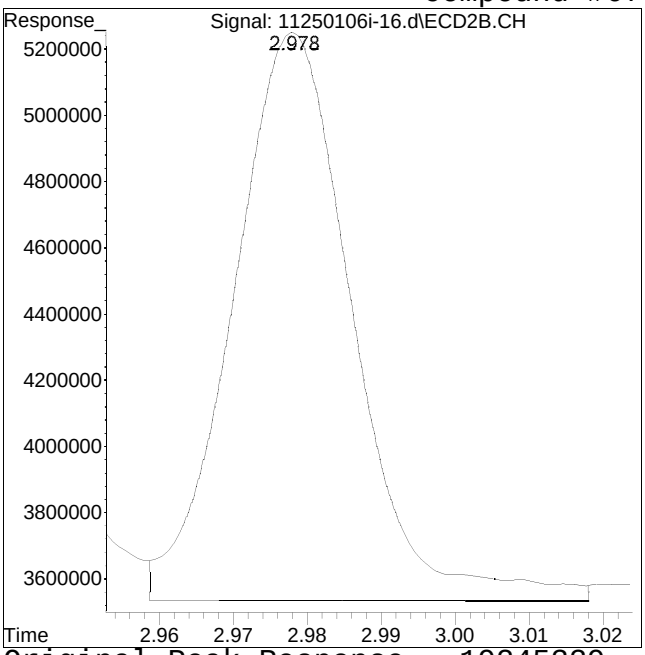


Original Peak Response = 186124212 Manual Peak Response = 185827500 M4
M4 = Poor automated baseline construction.

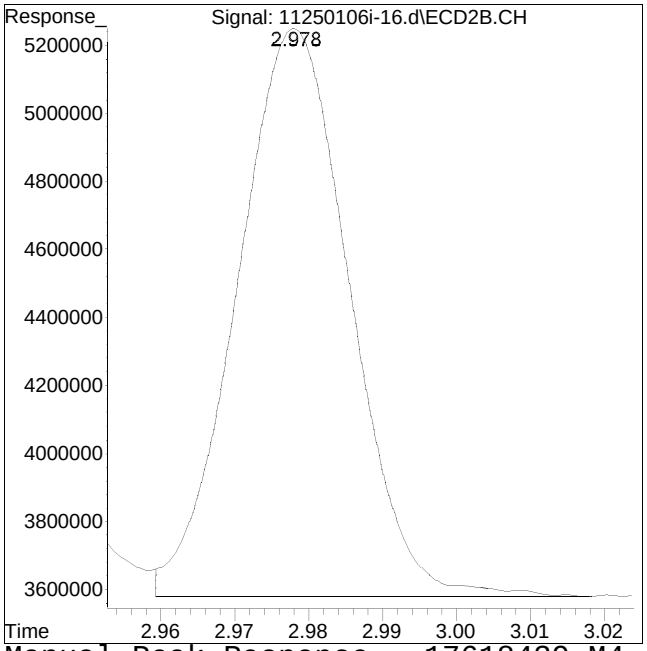
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-16.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 15:21 Instrument : Pest 11
Sample : il4chlor,42e,,pp 11939 L0.Quant Date : 1/7/2025 12:48 pm

Compound #67: chlordane-1 #2



Original Peak Response = 19245339



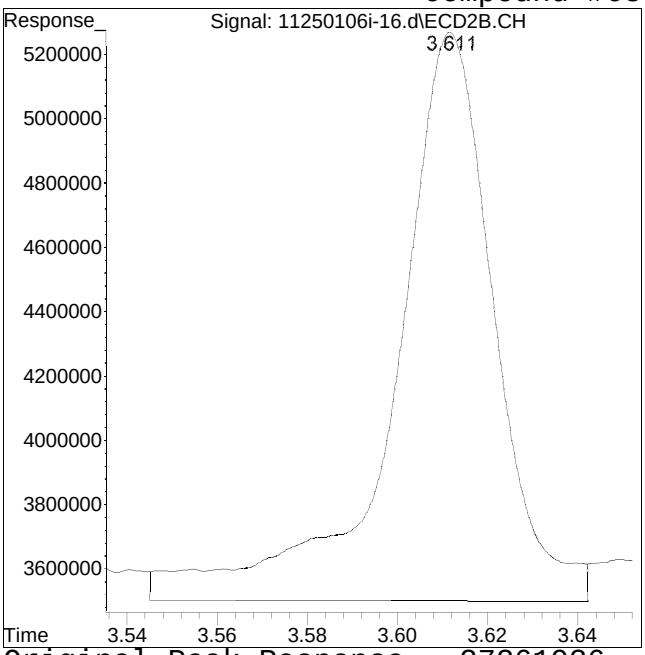
Manual Peak Response = 17618439 M4

M4 = Poor automated baseline construction.

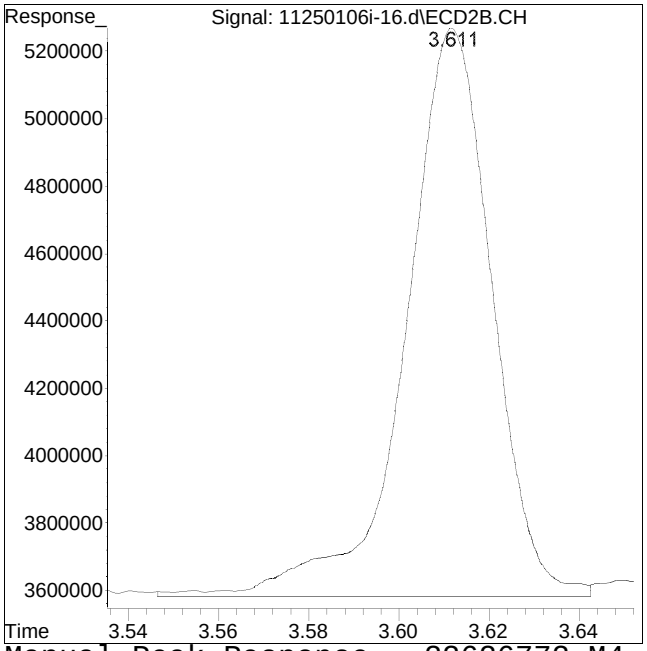
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-16.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 15:21 Instrument : Pest 11
Sample : il4chlor,42e,,pp 11939 L0.Quant Date : 1/7/2025 12:48 pm

Compound #68: chlordane-3 #2



Original Peak Response = 27261936



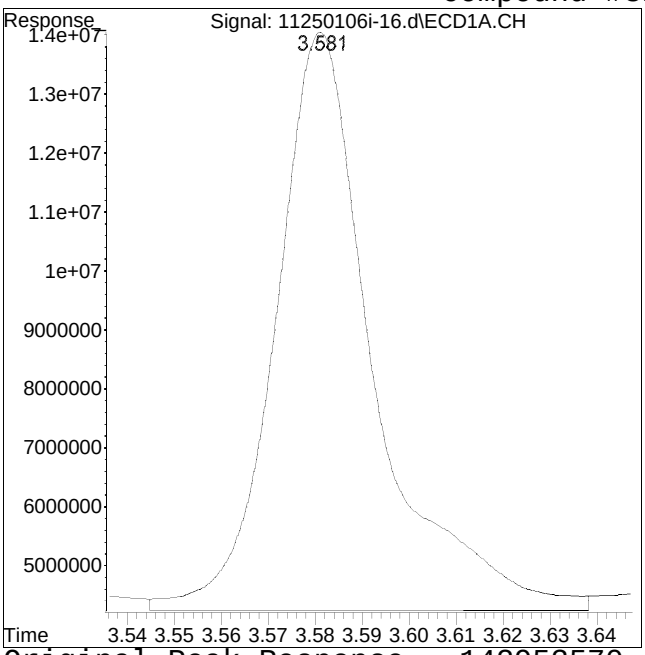
Manual Peak Response = 22626772 M4

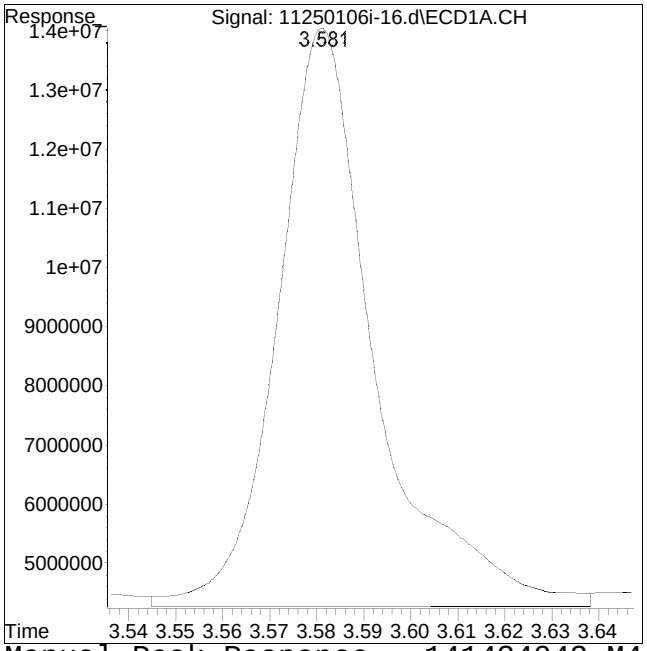
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-16.d
Date Inj'd : 1/6/2025 15:21
Sample : il4chlor,42e,,pp 11939 L0.
Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 12:48 pm

Compound #31: chlordane-4



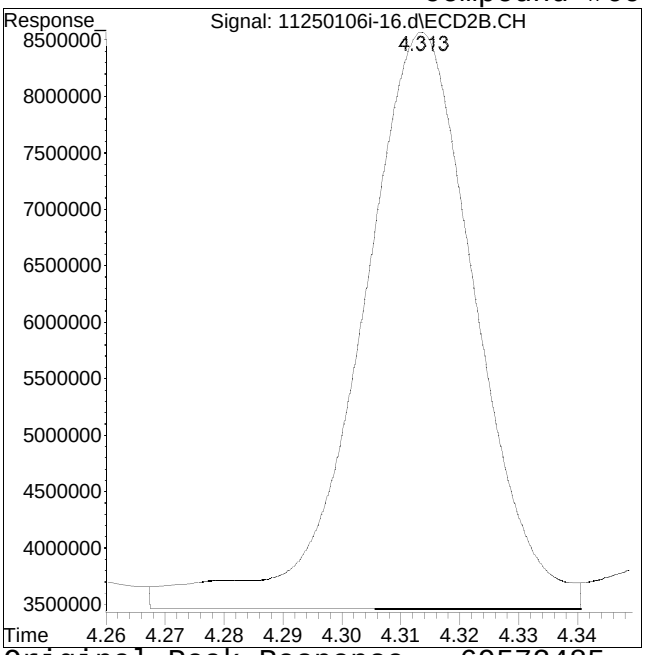


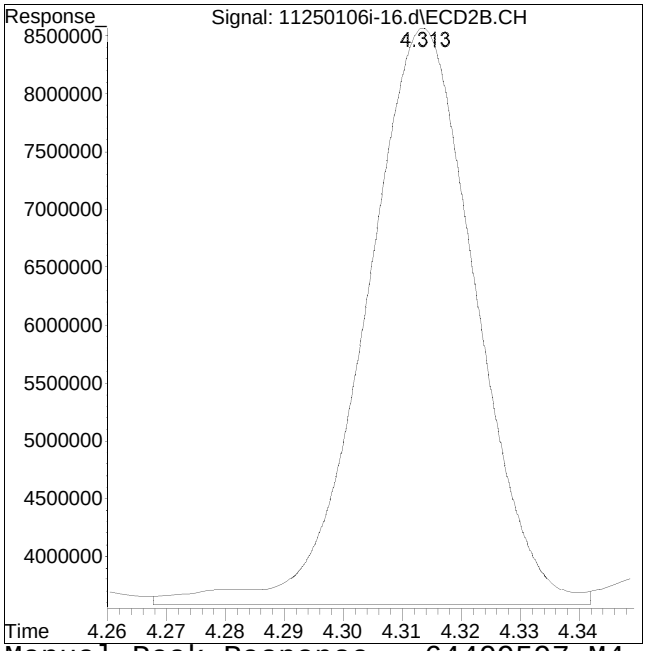
Original Peak Response = 142953570 Manual Peak Response = 141434042 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-16.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 15:21 Instrument : Pest 11
Sample : il4chlor,42e,,pp 11939 L0.Quant Date : 1/7/2025 12:48 pm

Compound #69: chlordane-4 #2



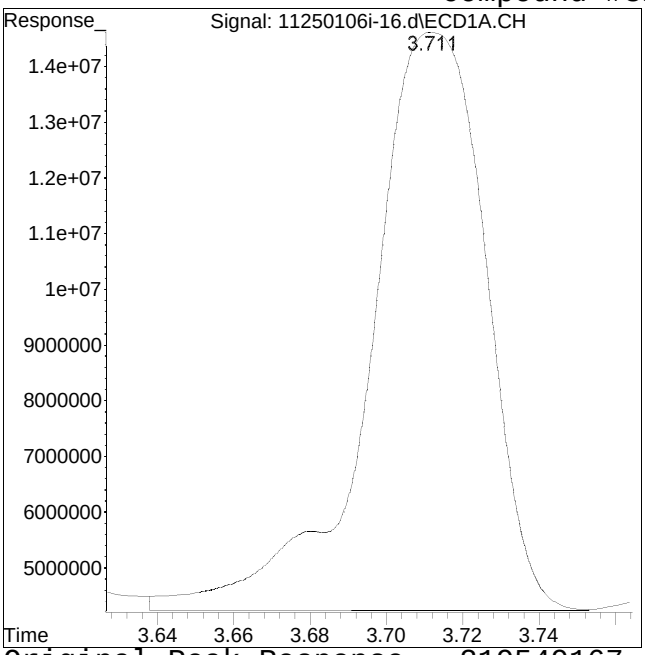


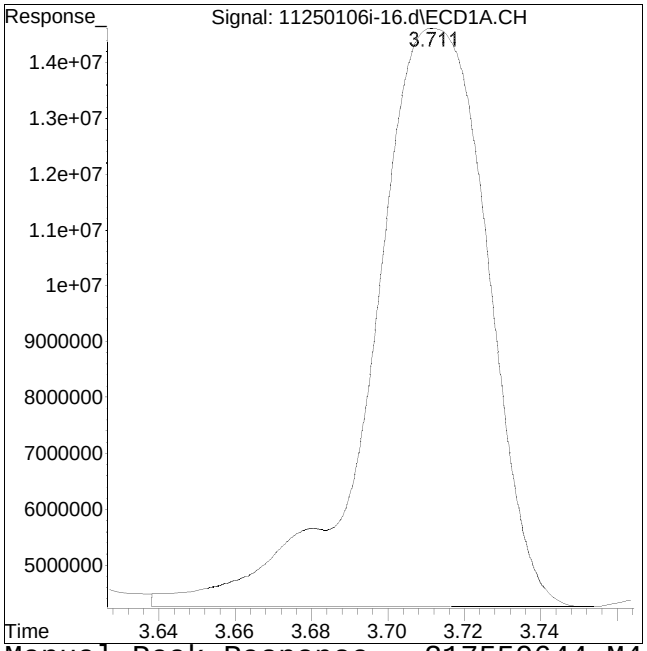
Original Peak Response = 69572485 Manual Peak Response = 64409597 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-16.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 15:21 Instrument : Pest 11
Sample : il4chlor,42e,,pp 11939 L0.Quant Date : 1/7/2025 12:48 pm

Compound #32: chlordane-5



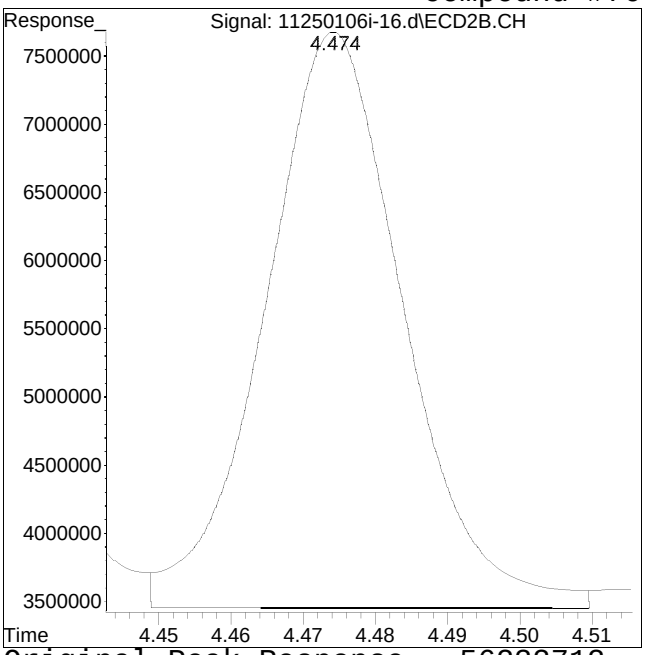


Original Peak Response = 219549167 Manual Peak Response = 217550644 M4
M4 = Poor automated baseline construction.

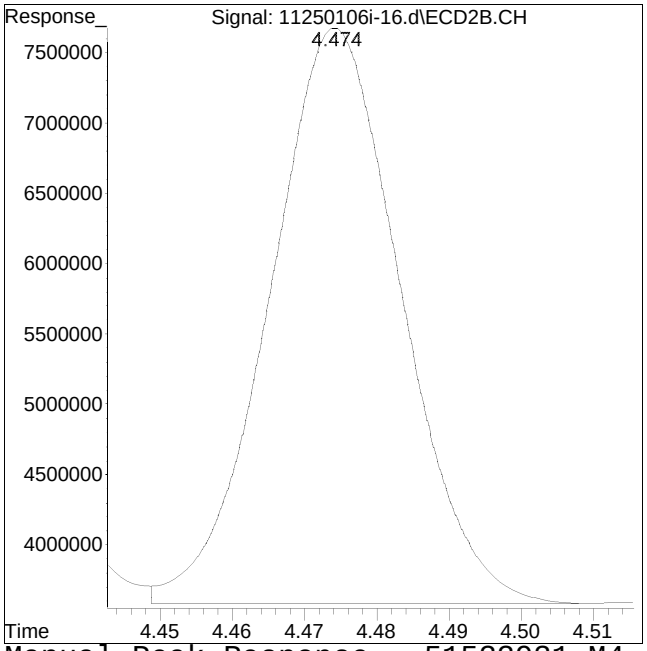
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-16.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 15:21 Instrument : Pest 11
Sample : il4chlor,42e,,pp 11939 L0.Quant Date : 1/7/2025 12:48 pm

Compound #70: chlordane-5 #2



Original Peak Response = 56232712



Manual Peak Response = 51533931 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-17.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 15:33
Operator : PEST11:akm
Sample : il5chlor,42e,,pp 11939 L0.1
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:47:48 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:47:43 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.376	1.457	338.5E6	188.0E6	25.000M3	25.000M4
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-17.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 15:33
Operator : PEST11:akm
Sample : il5chlor,42e,,pp 11939 L0.1
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:47:48 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:47:43 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.570	2.978	64891249	35951420	98.709	126.501
30) l1	chlordane-3	3.005	3.612	86346205	49847888	115.066	152.047
31) l1	chlordane-4	3.582	4.314	289.3E6	133.6E6	100.639	113.118
32) l1	chlordane-5	3.712	4.474	444.5E6	106.7E6	100.380	117.527
Sum	chlordane-1			885.0E6	326.1E6	NoCal	NoCal D
Average	chlordane-1					103.698	127.298
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

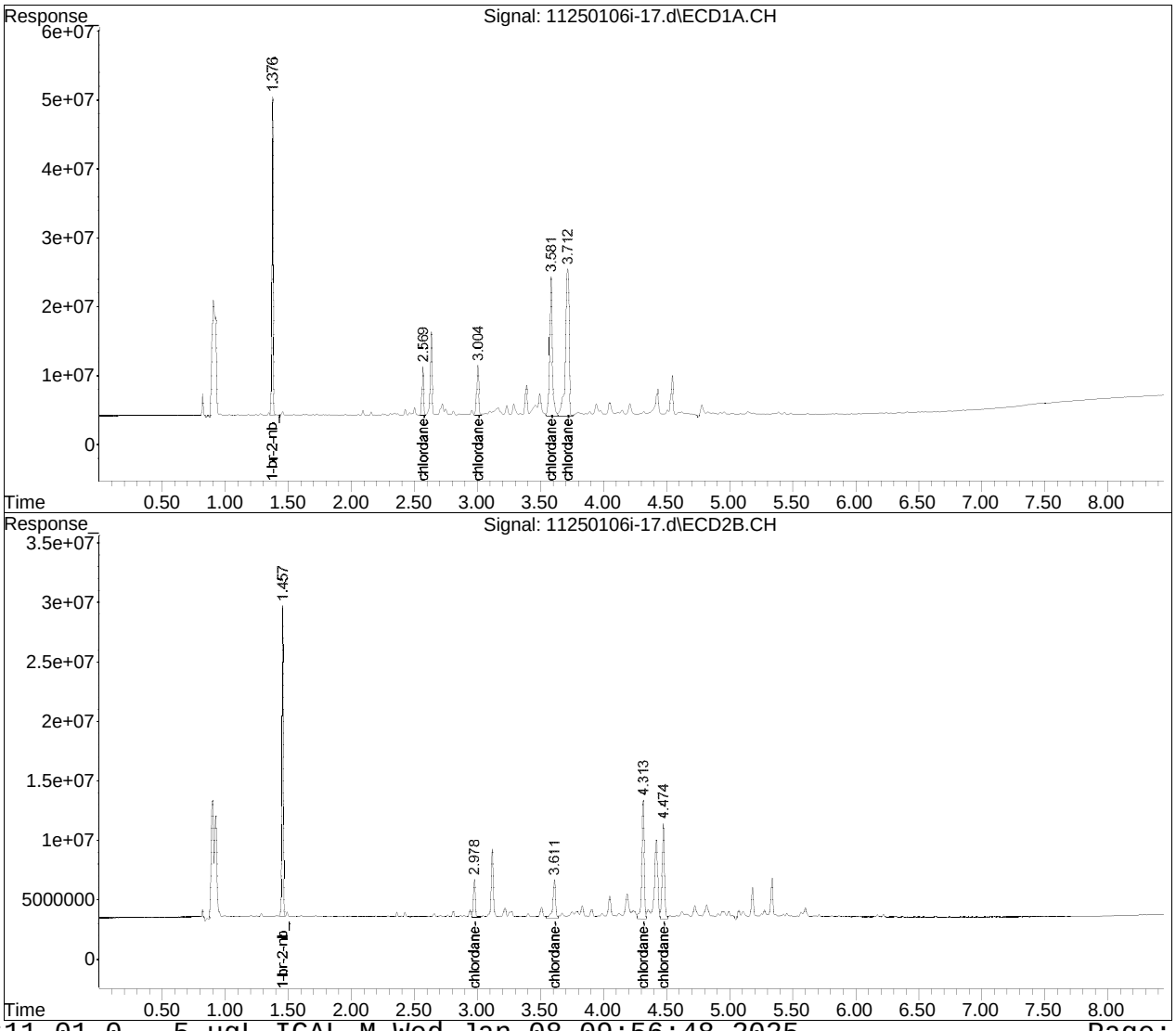
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-17.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 15:33
Operator : PEST11:akm
Sample : il5chlor,42e,,pp 11939 L0.1
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:47:48 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:47:43 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

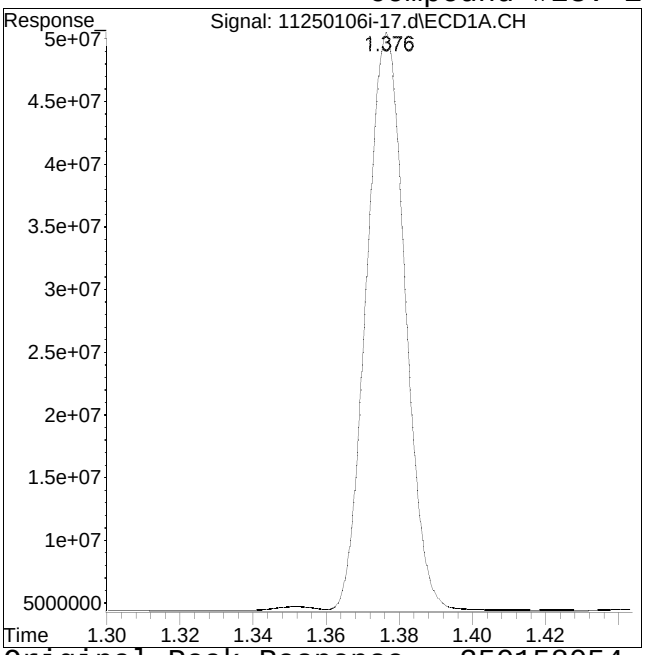
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

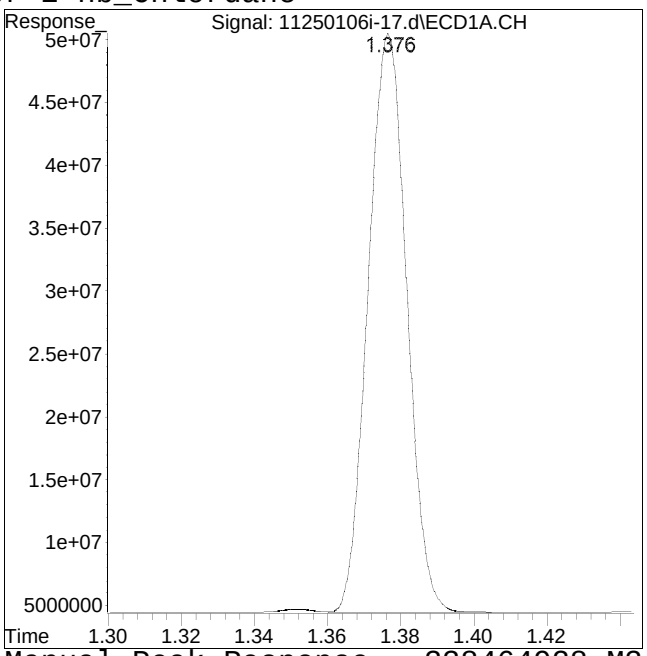


Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-17.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 15:33 Instrument : Pest 11
Sample : il5chlor,42e,,pp 11939 L0.Quant Date : 1/7/2025 12:47 pm

Compound #28: 1-br-2-nb_Chlordane



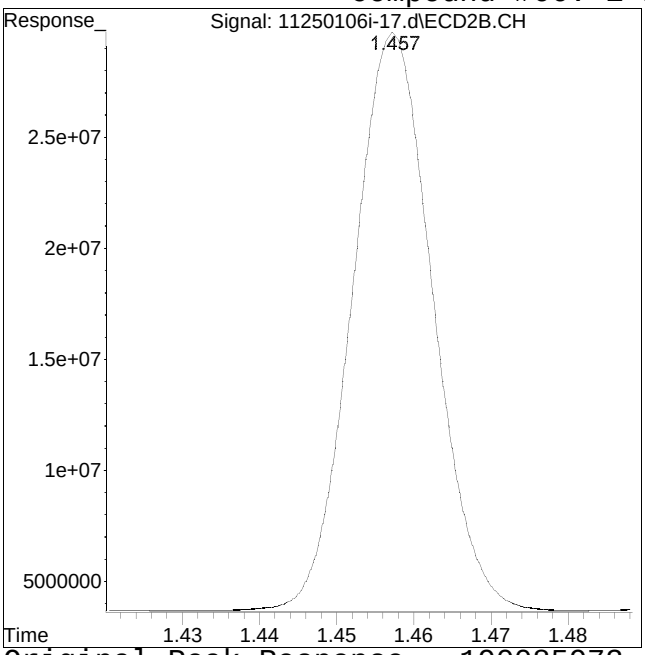


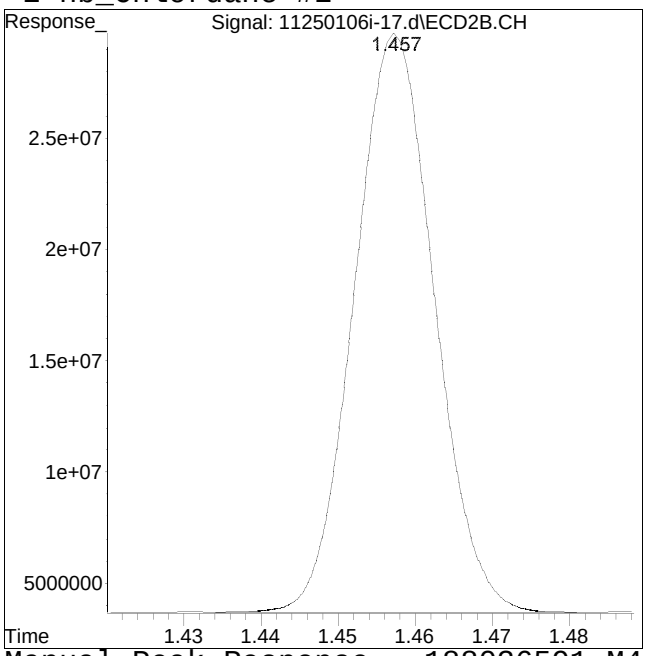
Original Peak Response = 350158054 Manual Peak Response = 338464928 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-17.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 15:33 Instrument : Pest 11
Sample : il5chlor,42e,,pp 11939 L0.Quant Date : 1/7/2025 12:47 pm

Compound #66: 1-br-2-nb_Chlordane #2





Original Peak Response = 190085973 Manual Peak Response = 188036591 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 15:45
Operator : PEST11:akm
Sample : il7chlor,42e,,pp 11939 L0.5
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:46:58 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:46:52 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.376	1.457	339.3E6	190.8E6	25.000M4	25.000M3
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 15:45
Operator : PEST11:akm
Sample : il7chlor,42e,,pp 11939 L0.5
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:46:58 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:46:52 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.570	2.978	319.4E6	146.8E6	479.618	512.124
30) l1	chlordane-3	3.005	3.612	383.2E6	179.7E6	512.575	555.174
31) l1	chlordane-4	3.582	4.314	1416.9E6	603.7E6	488.911	505.282
32) l1	chlordane-5	3.713	4.475	2207.9E6	467.7E6	496.436	510.282
Sum	chlordane-1			4327.4E6	1397.9E6	NoCal	NoCal D
Average	chlordane-1					494.385	520.715
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

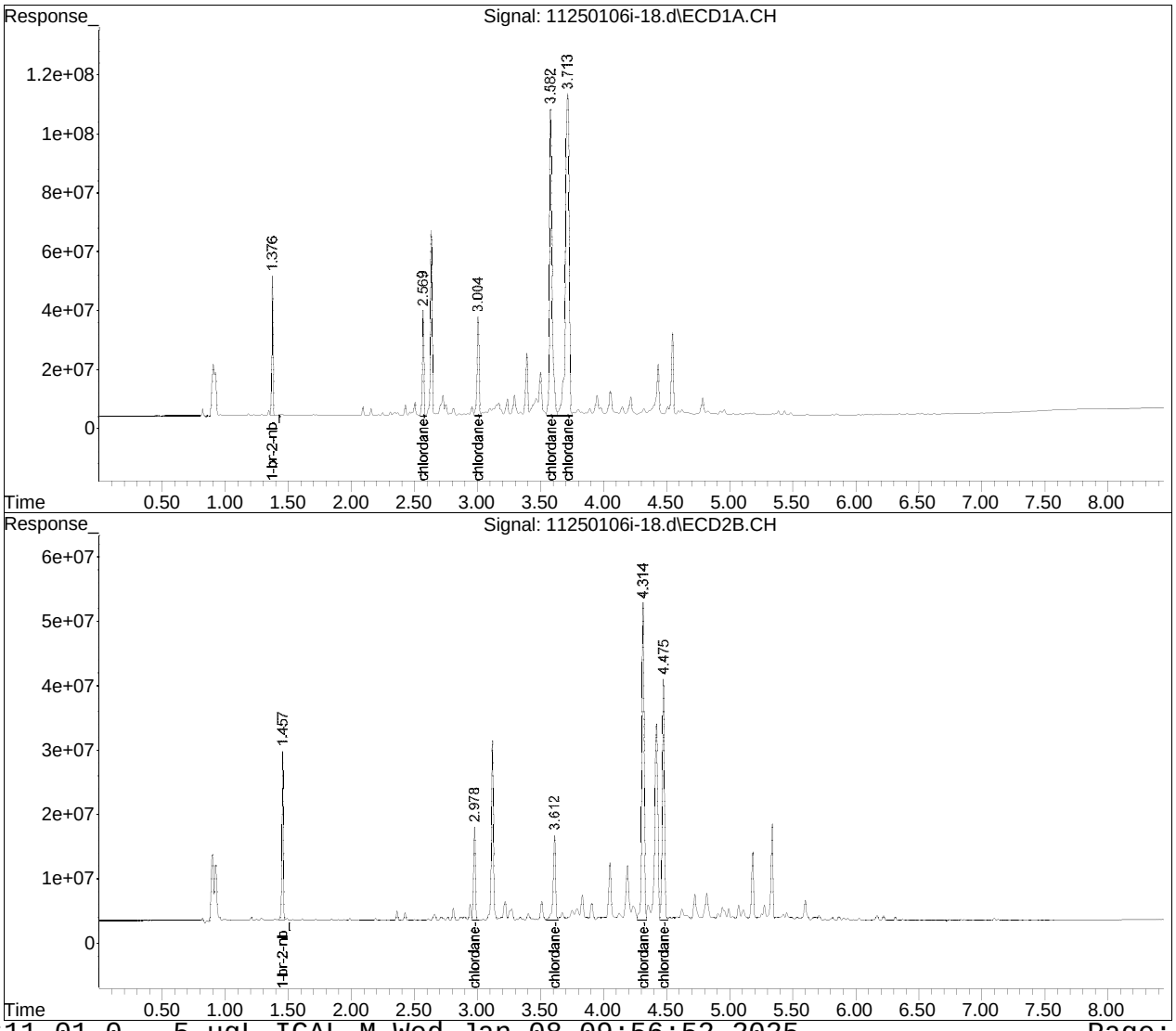
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 15:45
Operator : PEST11:akm
Sample : il7chlor,42e,,pp 11939 L0.5
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:46:58 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:46:52 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

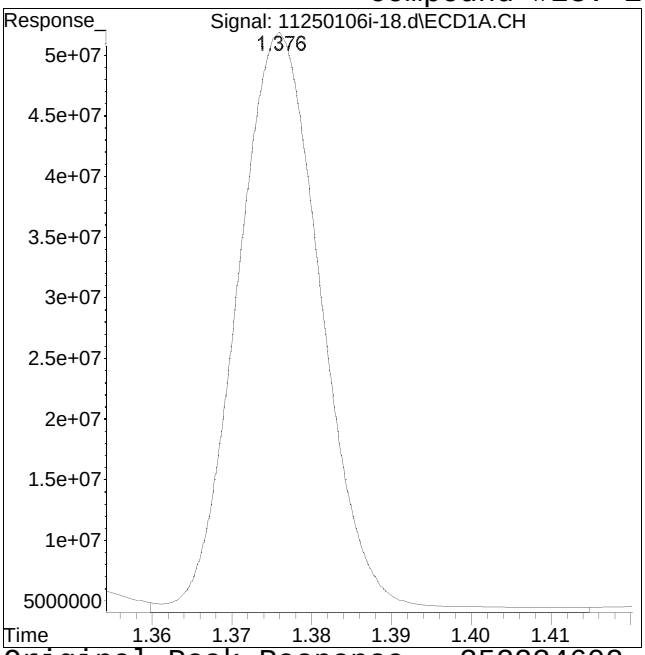
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

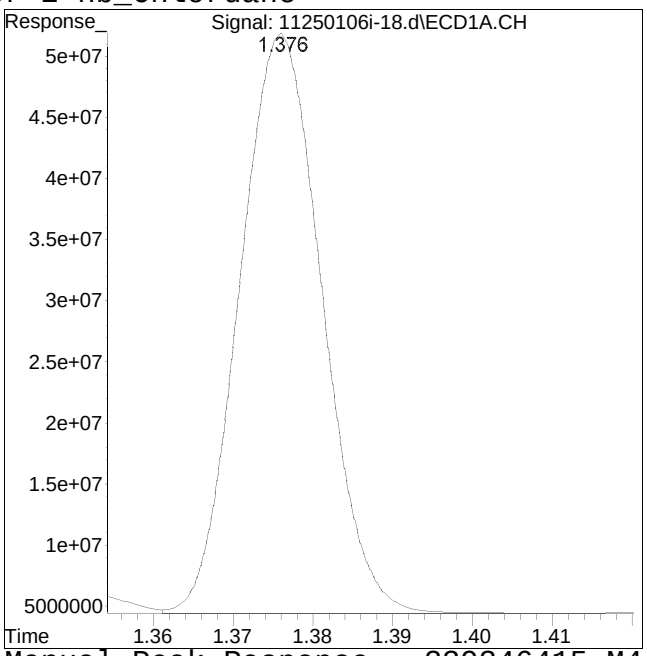


Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-18.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 15:45 Instrument : Pest 11
Sample : il7chlor,42e,,pp 11939 L0.Quant Date : 1/7/2025 12:46 pm

Compound #28: 1-br-2-nb_Chlordane



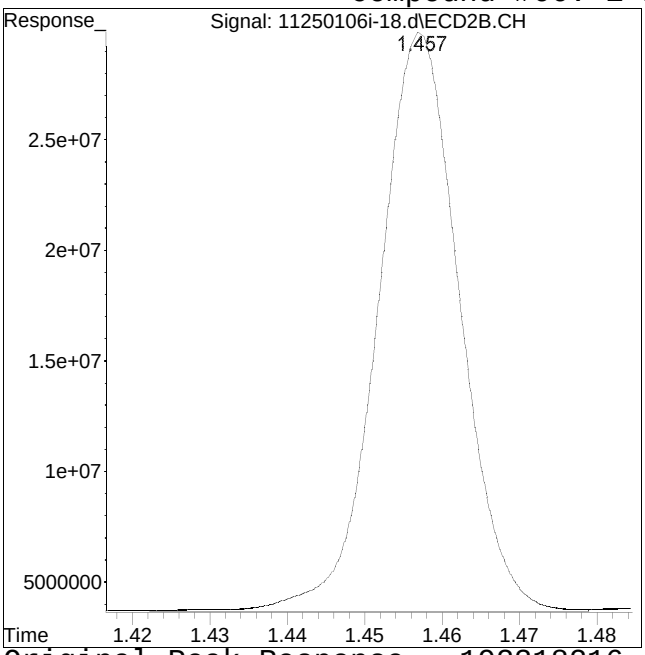


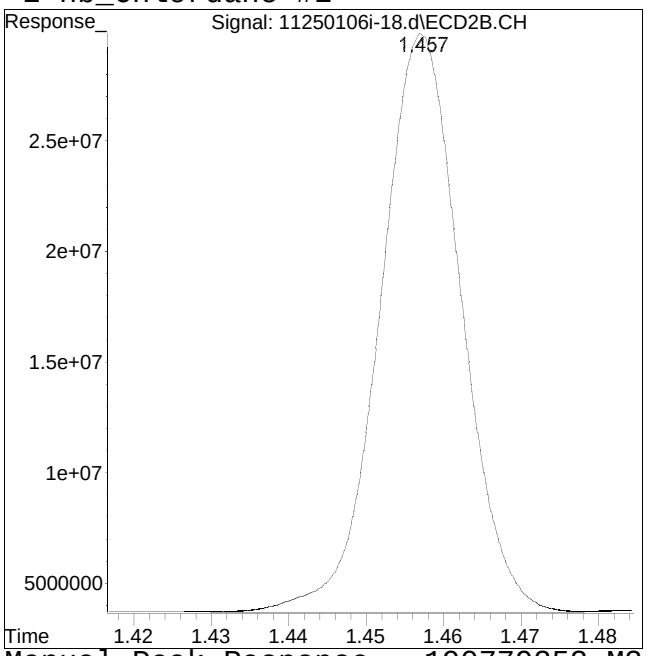
Original Peak Response = 352234602 Manual Peak Response = 339346415 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-18.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 15:45 Instrument : Pest 11
Sample : il7chlor,42e,,pp 11939 L0.Quant Date : 1/7/2025 12:46 pm

Compound #66: 1-br-2-nb_Chlordane #2





Original Peak Response = 192318216 Manual Peak Response = 190779252 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 15:56
Operator : PEST11:akm
Sample : il8chlor,42e,,pp 11939 L1.0
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:43:39 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:42:34 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.375	1.457	331.3E6	191.3E6	25.000M4	25.000M3
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 15:56
Operator : PEST11:akm
Sample : il8chlor,42e,,pp 11939 L1.0
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:43:39 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:42:34 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.569	2.977	639.7E6	287.8E6	NoCal	NoCal
30) l1	chlordane-3	3.004	3.611	746.4E6	339.1E6	NoCal	NoCal
31) l1	chlordane-4	3.581	4.313	2863.5E6	1204.5E6	NoCal	NoCal
32) l1	chlordane-5	3.712	4.474	4440.5E6	925.7E6	NoCal	NoCal
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

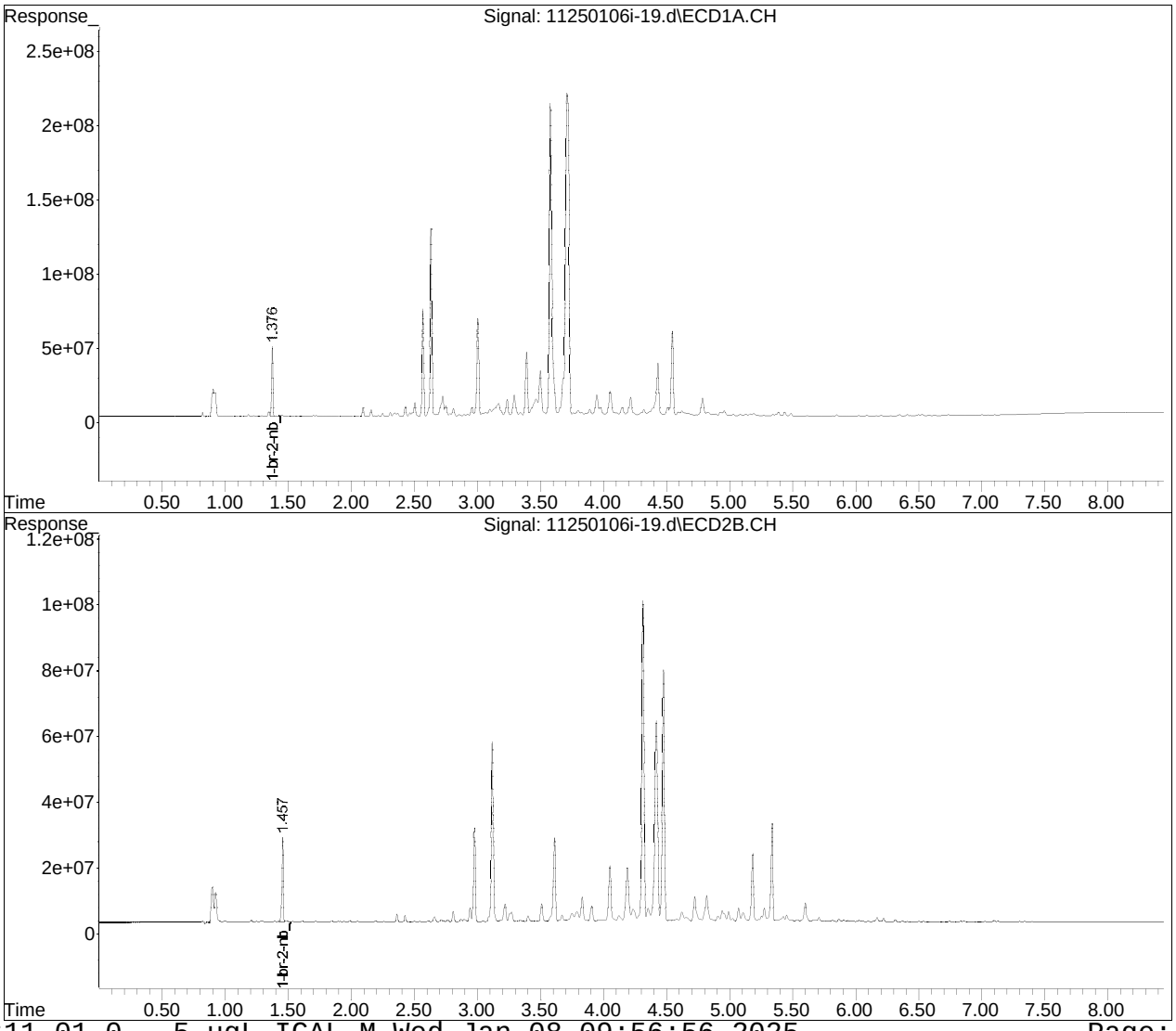
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 15:56
Operator : PEST11:akm
Sample : il8chlor,42e,,pp 11939 L1.0
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:43:39 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:42:34 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

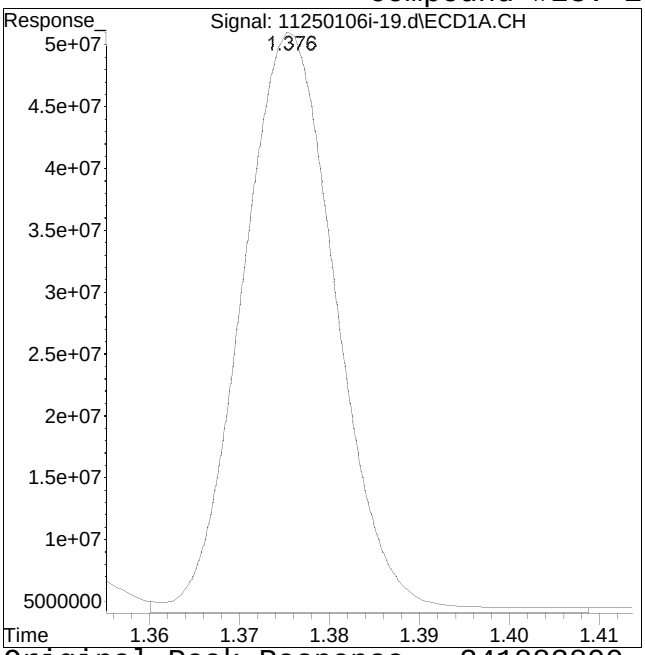
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

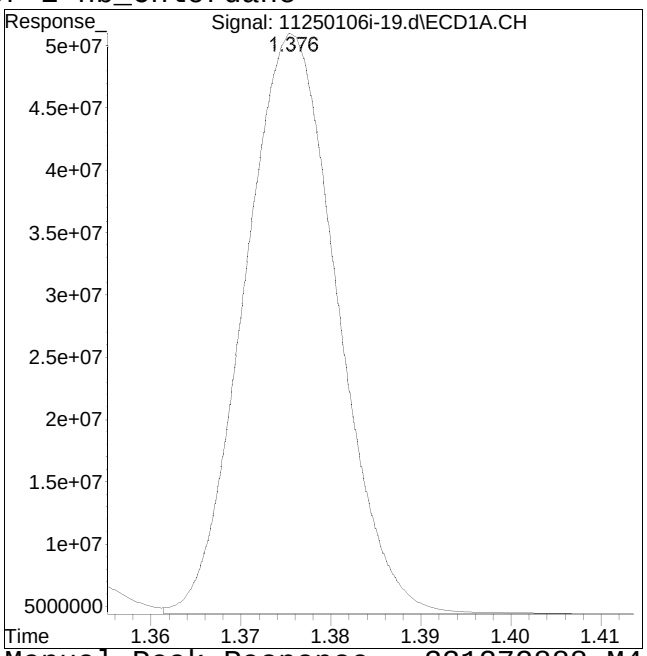


Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-19.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 15:56 Instrument : Pest 11
Sample : il8chlor,42e,,pp 11939 L1.Quant Date : 1/7/2025 12:43 pm

Compound #28: 1-br-2-nb_Chlordane



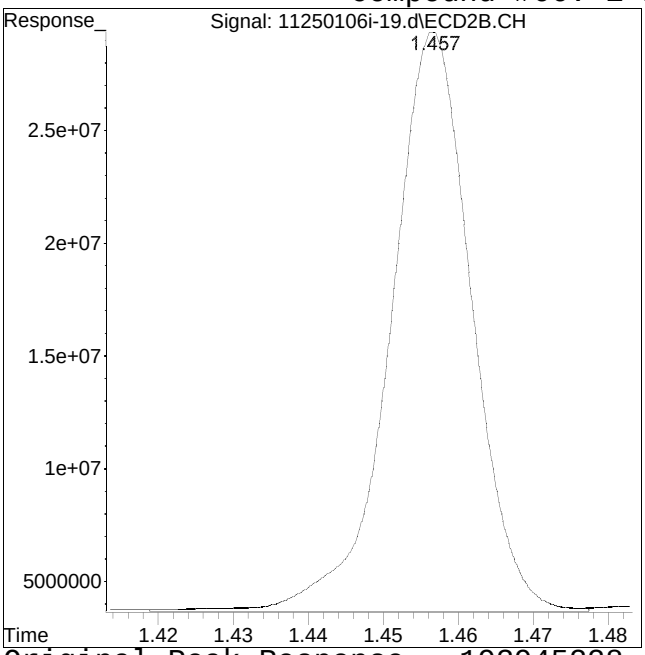


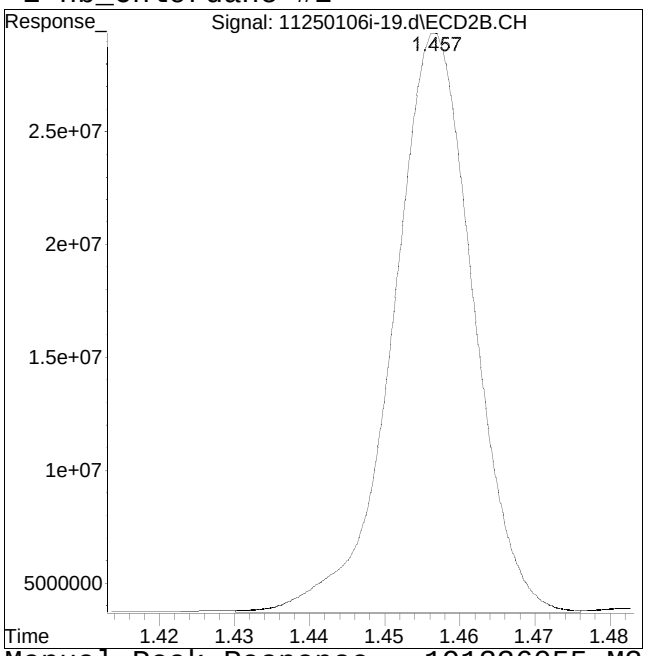
Original Peak Response = 341883800 Manual Peak Response = 331272888 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-19.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 15:56 Instrument : Pest 11
Sample : il8chlor,42e,,pp 11939 L1.Quant Date : 1/7/2025 12:43 pm

Compound #66: 1-br-2-nb_Chlordane #2





Original Peak Response = 193945228 Manual Peak Response = 191336055 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 16:08
Operator : PEST11:akm
Sample : il9chlor,42e,,pp 11939 L2.0
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:44:40 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:44:31 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.375	1.456	328.7E6	188.4E6	25.000M4	25.000M3
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 16:08
Operator : PEST11:akm
Sample : il9chlor,42e,,pp 11939 L2.0
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:44:40 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:44:31 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.569	2.978	1286.9E6	571.0E6	2027.622	2014.321
30) l1	chlordane-3	3.003	3.611	1447.3E6	645.8E6	1954.482M3	1933.838
31) l1	chlordane-4	3.581	4.314	5641.5E6	2388.4E6	1985.807	2013.478
32) l1	chlordane-5	3.712	4.474	8666.0E6	1831.0E6	1967.113	2008.426
Sum	chlordane-1			17041.6E6	5436.1E6	NoCal	NoCal D
Average	chlordane-1					1983.756	1992.516
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

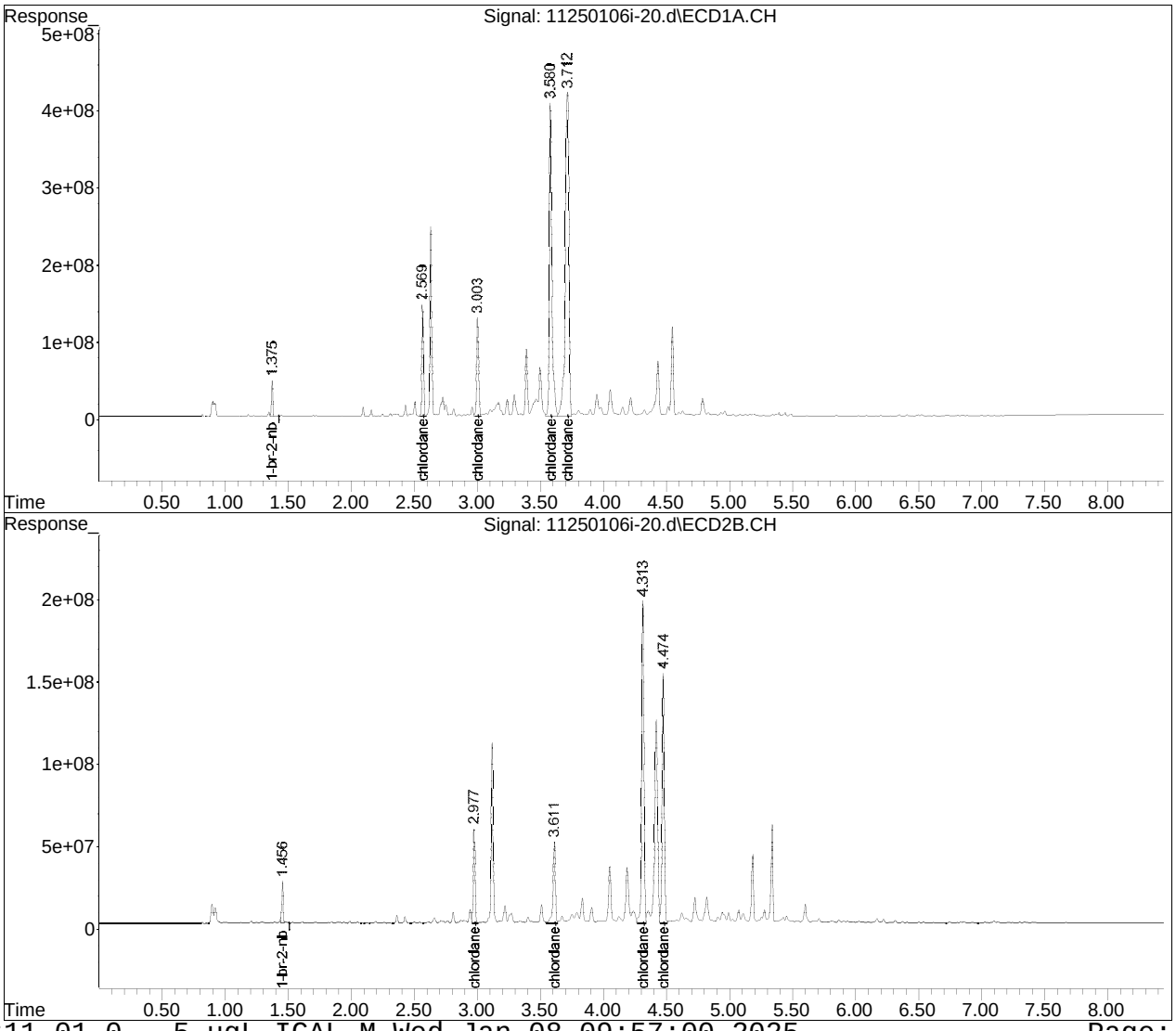
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 16:08
Operator : PEST11:akm
Sample : il9chlor,42e,,pp 11939 L2.0
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:44:40 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:44:31 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

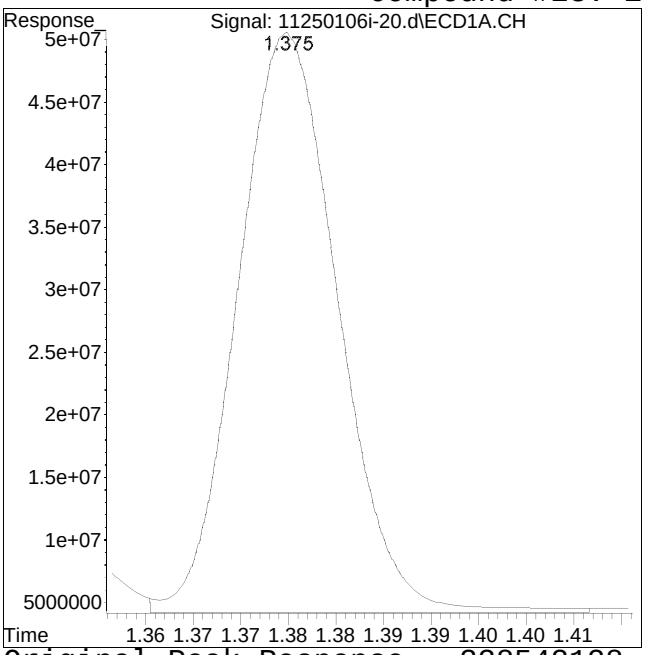
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

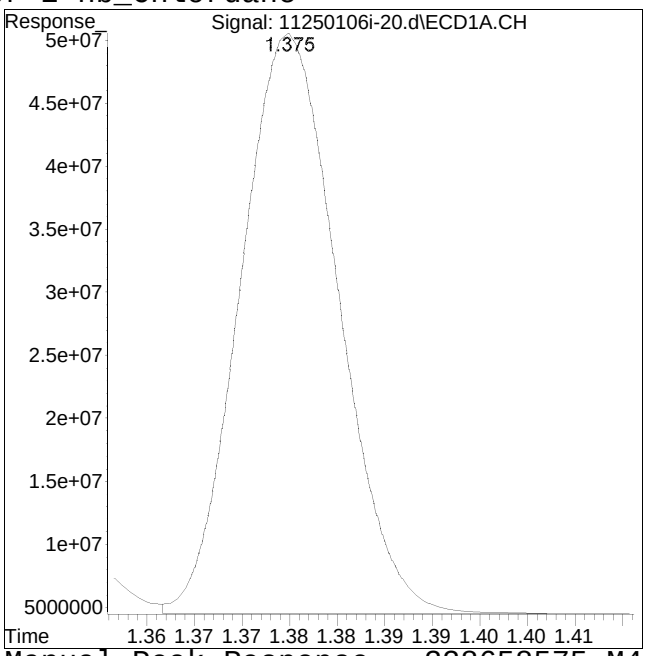


Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-20.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 16:08 Instrument : Pest 11
Sample : il9chlor,42e,,pp 11939 L2.Quant Date : 1/7/2025 12:44 pm

Compound #28: 1-br-2-nb_Chlordane



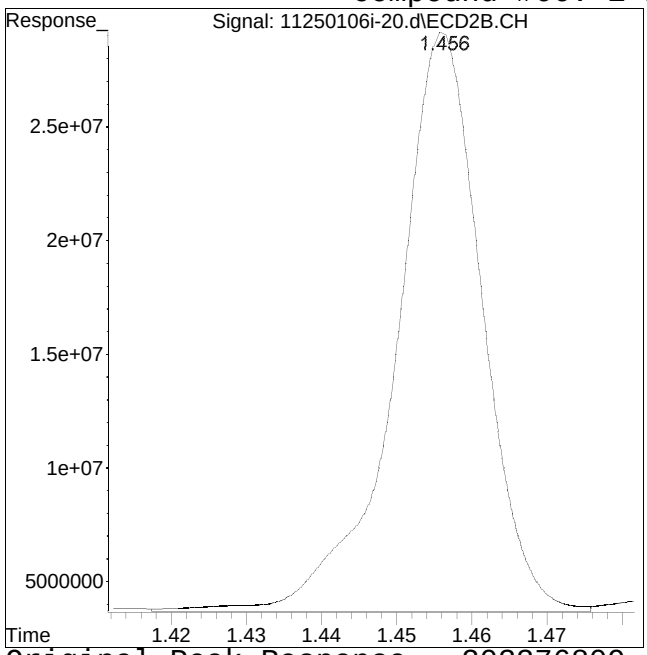


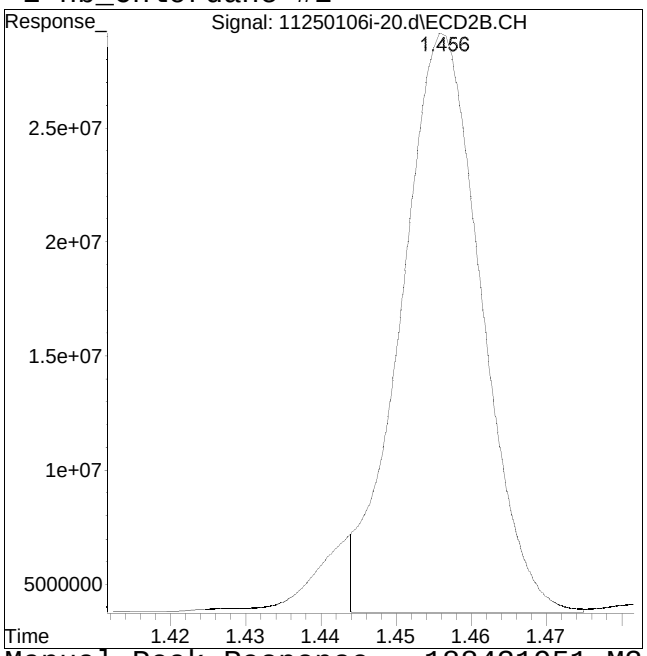
Original Peak Response = 338542128 Manual Peak Response = 328658575 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-20.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 16:08 Instrument : Pest 11
Sample : il9chlor,42e,,pp 11939 L2.Quant Date : 1/7/2025 12:44 pm

Compound #66: 1-br-2-nb_Chlordane #2



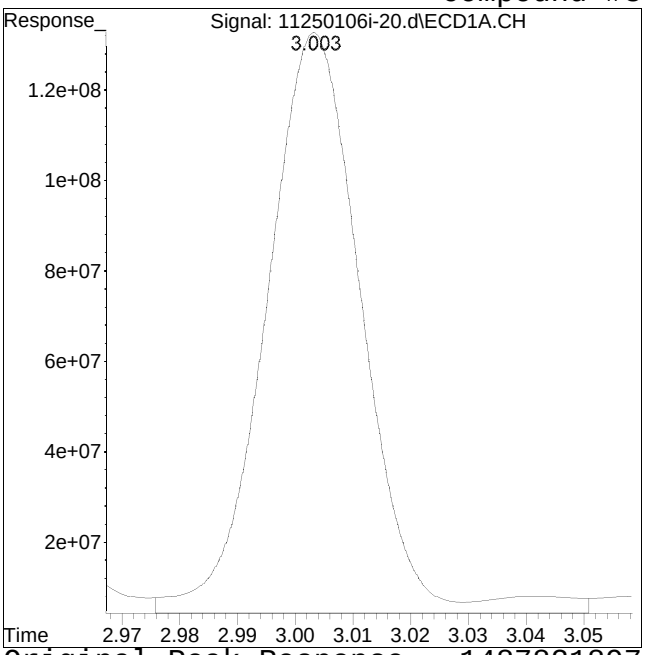


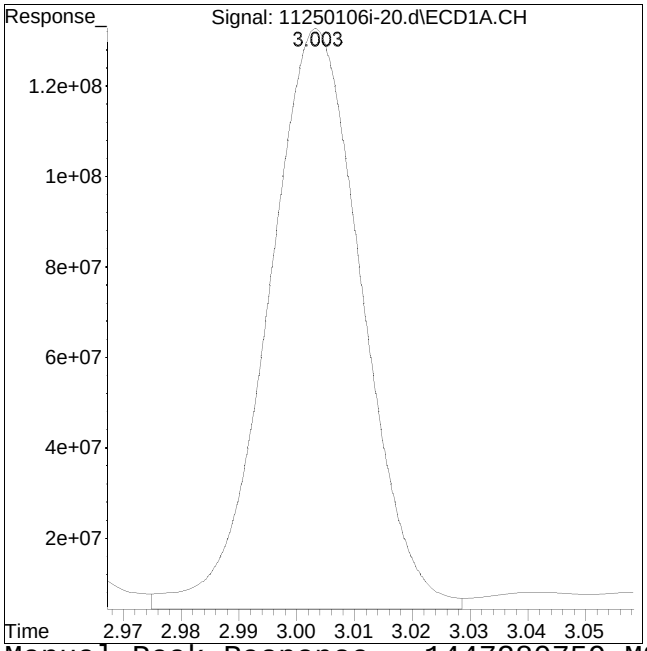
Original Peak Response = 203376809 Manual Peak Response = 188431951 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-20.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 16:08 Instrument : Pest 11
Sample : il9chlor,42e,,pp 11939 L2.Quant Date : 1/7/2025 12:44 pm

Compound #30: chlordane-3





Original Peak Response = 1487821897 Manual Peak Response = 1447280759 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 16:20
Operator : PEST11:akm
Sample : il10chlor,42e,,pp 11939 L5.0
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:45:52 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:45:42 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.377	1.457	332.5E6	200.2E6	25.000M4	25.000M3
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 16:20
Operator : PEST11:akm
Sample : il10chlor,42e,,pp 11939 L5.0
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:45:52 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:45:42 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d	
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d	
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d	
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d	
29) l1	chlordane-1	2.570	2.979	3321.7E6	1489.1E6	5137.675	4926.257	
30) l1	chlordane-3	3.005	3.612	3582.5E6	1606.1E6	4837.039	4602.347	
31) l1	chlordane-4	3.582	4.314	13954.5E6	6161.7E6	4872.471	4872.327	
32) l1	chlordane-5	3.713	4.475	21165.4E6	4721.1E6	4788.177	4863.514	
Sum	chlordane-1			42024.1E6	13978.0E6	NoCal	NoCal	D
Average	chlordane-1					4908.840	4816.111	
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d	
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d	
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d	
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d	
Sum	toxaphene-2			0	0	N.D.	N.D.	
Average	toxaphene-2					0.000	0.000	

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.	
Average	toxaphene-2					0.000	0.000	

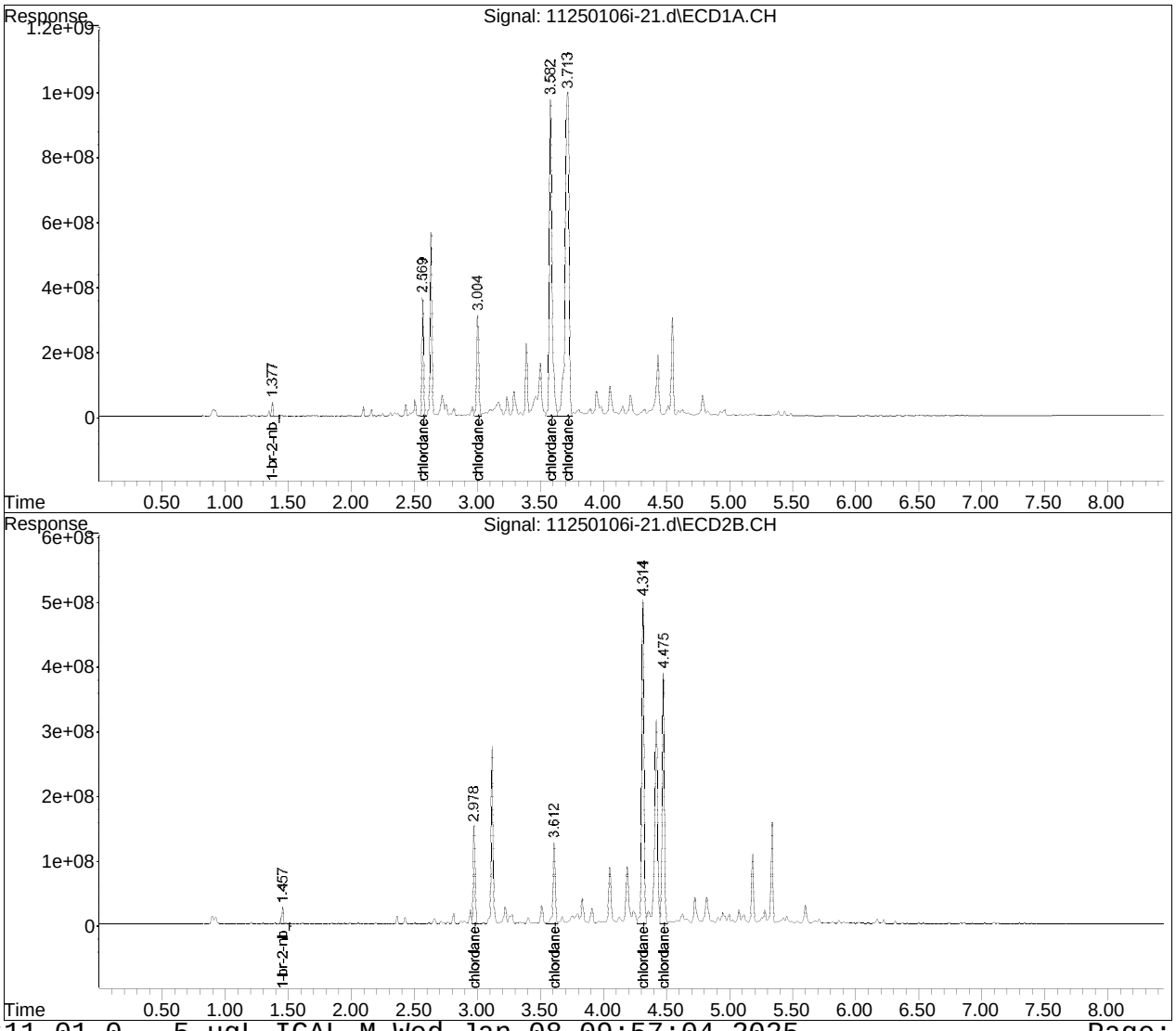
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 16:20
Operator : PEST11:akm
Sample : il10chlor,42e,,pp 11939 L5.0
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:45:52 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:45:42 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

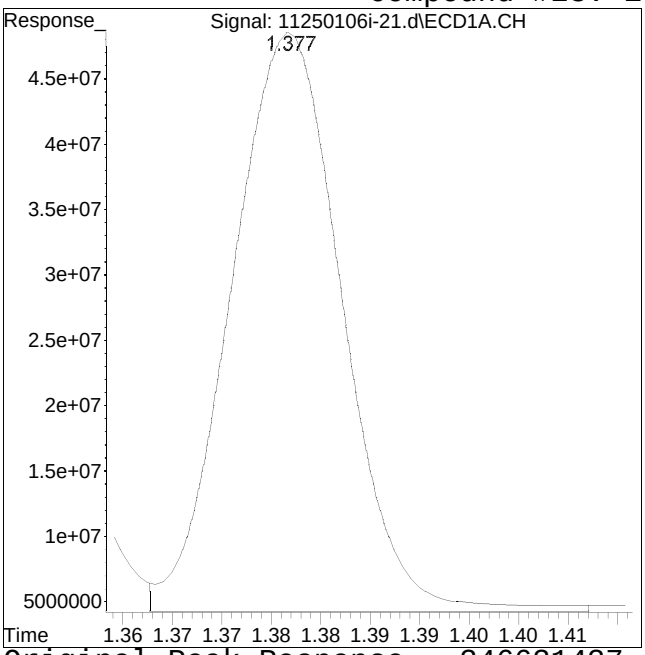
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

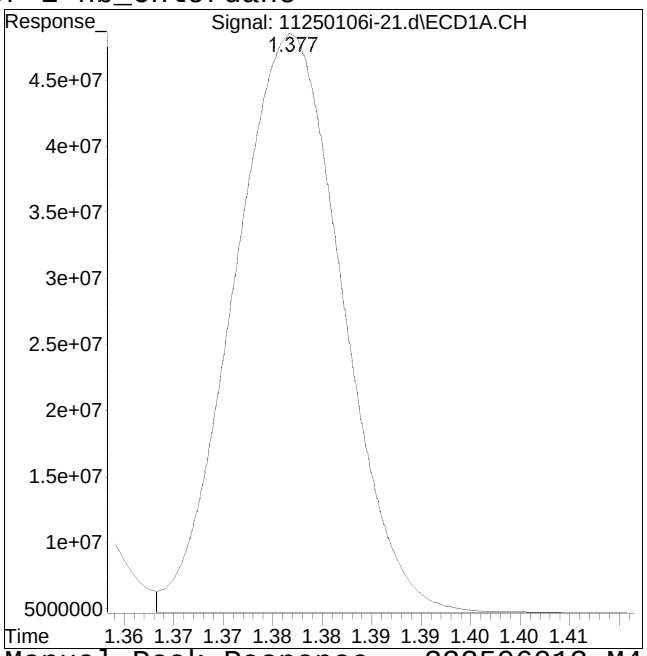


Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-21.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 16:20 Instrument : Pest 11
Sample : il10chlor,42e,,pp 11939 L5Quant Date : 1/7/2025 12:45 pm

Compound #28: 1-br-2-nb_Chlordane



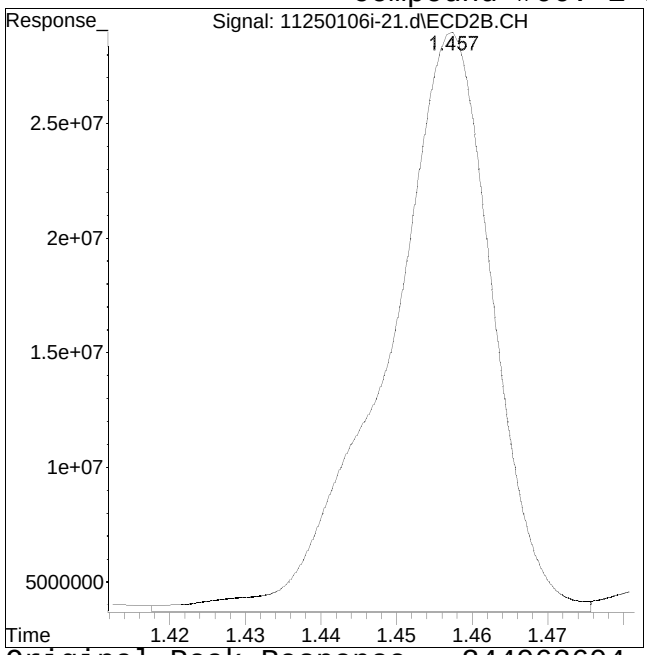


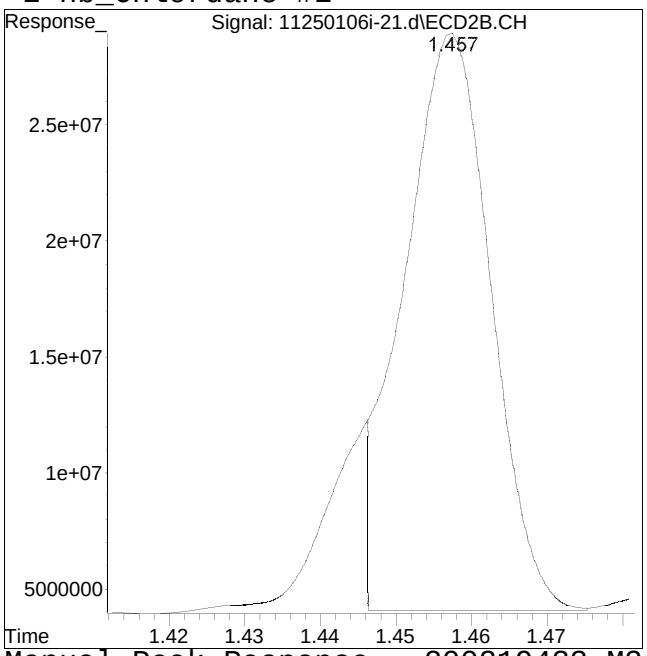
Original Peak Response = 346631437 Manual Peak Response = 332506013 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-21.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 16:20 Instrument : Pest 11
Sample : il10chlor,42e,,pp 11939 L5Quant Date : 1/7/2025 12:45 pm

Compound #66: 1-br-2-nb_Chlordane #2





Original Peak Response = 244062604 Manual Peak Response = 200219433 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-22.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 06 Jan 2025 16:32
Operator : PEST11:akm
Sample   : cicvchlor,42e,,pp 11924 L1.0ICV
Misc   : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:55:38 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:55:24 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Min. RRF   : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	103	0.00
29	l1	chlordane-1		*1000.000	808.841	19.1	86	0.00
30	l1	chlordane-3		*1000.000	804.863	19.5	85	0.00
31	l1	chlordane-4		*1000.000	794.474	20.6#	83	0.00
32	l1	chlordane-5		*1000.000	889.774	11.0	93	0.00

Signal #2

28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	99	0.00
29	l1	chlordane-1		*1000.000	879.747	12.0	87	0.00
30	l1	chlordane-3		*1000.000	864.492	13.6	85	0.00
31	l1	chlordane-4		*1000.000	834.748	16.5	82	0.00
32	l1	chlordane-5		*1000.000	818.912	18.1	81	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.38#
2	s	2,4,5,6-Tetrachloro-m-xylen		1.214	0.000	100.0#	0#	-1.73#
3	t	Hexachlorobenzene		1.339	0.000	100.0#	0#	-1.96#
4	t	alpha-BHC		1.626	0.000	100.0#	0#	-2.06#
5	t	gamma-BHC (lindane)		1.491	0.000	100.0#	0#	-2.27#
6	t	beta-BHC		0.694	0.000	100.0#	0#	-2.33#
7	t	delta-BHC		1.501	0.000	100.0#	0#	-2.46#
8	t	Heptachlor		1.402	0.000	100.0#	0#	-2.63#
9	t	Aldrin		1.400	0.000	100.0#	0#	-2.89#
10	t	Alachlor		0.208	0.000	100.0#	0#	-3.01#
11	t	Chlorpyrifos		0.763	0.000	100.0#	0#	-3.11#
12	t	Heptachlor Epoxide		1.324	0.000	100.0#	0#	-3.45#
13	t	gamma-Chlordane (trans)		1.279	0.000	100.0#	0#	-3.58#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-22.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 06 Jan 2025 16:32
Operator : PEST11:akm
Sample   : cicvchlor,42e,,pp 11924 L1.0ICV
Misc   : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:55:38 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:55:24 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
14	t	alpha-Chlordane (cis)		1.451	0.000	100.0#	0#	-3.72#
15	t	4,4'-DDE		1.327	0.000	100.0#	0#	-3.82#
16	t	Endosulfan I		1.270	0.000	100.0#	0#	-3.86#
17	t	Dieldrin		1.316	0.000	100.0#	0#	-4.13#
18	t	Endrin		1.275	0.000	100.0#	0#	-4.38#
19	t	4,4'-DDD		1.003	0.000	100.0#	0#	-4.48#
20	t	Endosulfan II		1.185	0.000	100.0#	0#	-4.61#
21	t	4,4'-DDT		1.089	0.000	100.0#	0#	-4.76#
22	t	Endrin Aldehyde		0.983	0.000	100.0#	0#	-5.02#
23	t	Methoxychlor		0.614	0.000	100.0#	0#	-5.24#
24	t	Mirex		1.142	0.000	100.0#	0#	-5.30#
25	t	Endosulfan Sulfate		1.182	0.000	100.0#	0#	-5.40#
26	t	Endrin Ketone		1.179	0.000	100.0#	0#	-5.62#
27	s	Decachlorobiphenyl		1.150	0.000	100.0#	0#	-6.41#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.38#
34	l2	toxaphene-2		0.066	0.000	100.0#	0#	-4.60#
35	l2	toxaphene-3		0.049	0.000	100.0#	0#	-4.72#
36	l2	toxaphene-4		0.050	0.000	100.0#	0#	-4.94#
37	l2	toxaphene-5		0.045	0.000	100.0#	0#	-5.31#

Signal #2

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.46#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.044	0.000	100.0#	0#	-1.96#
3	t	Hexachlorobenzene		1.181	0.000	100.0#	0#	-2.30#
4	t	alpha-BHC		1.456	0.000	100.0#	0#	-2.40#
5	t	gamma-BHC (lindane)		1.401	0.000	100.0#	0#	-2.70#
6	t	beta-BHC	*	50.000	0.000	100.0#	0	-2.77#
7	t	delta-BHC		1.381	0.000	100.0#	0#	-3.05#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-22.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 06 Jan 2025 16:32
Operator : PEST11:akm
Sample   : cicvchlor,42e,,pp 11924 L1.0ICV
Misc   : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:55:38 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:55:24 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
8	t	Heptachlor		1.405	0.000	100.0#	0#	-3.12#
9	t	Aldrin		1.255	0.000	100.0#	0#	-3.46#
10	t	Alachlor	*	50.000	0.000	100.0#	0	-3.33#
11	t	Chlorpyrifos		0.788	0.000	100.0#	0#	-3.70#
12	t	Heptachlor Epoxide		1.270	0.000	100.0#	0#	-4.09#
13	t	gamma-Chlordane (trans)		1.131	0.000	100.0#	0#	-4.31#
14	t	alpha-Chlordane (cis)		1.259	0.000	100.0#	0#	-4.47#
15	t	4,4'-DDE		1.178	0.000	100.0#	0#	-4.66#
16	t	Endosulfan I		1.169	0.000	100.0#	0#	-4.53#
17	t	Dieldrin		1.162	0.000	100.0#	0#	-4.81#
18	t	Endrin		1.169	0.000	100.0#	0#	-5.10#
19	t	4,4'-DDD		0.946	0.000	100.0#	0#	-5.21#
20	t	Endosulfan II		1.074	0.000	100.0#	0#	-5.29#
21	t	4,4'-DDT		1.077	0.000	100.0#	0#	-5.49#
22	t	Endrin Aldehyde	*	50.000	0.000	100.0#	0	-5.58#
23	t	Methoxychlor		0.615	0.000	100.0#	0#	-6.04#
24	t	Mirex	*	50.000	0.000	100.0#	0	-6.19#
25	t	Endosulfan Sulfate		1.058	0.000	100.0#	0#	-5.81#
26	t	Endrin Ketone		1.110	0.000	100.0#	0#	-6.22#
27	s	Decachlorobiphenyl		0.922	0.000	100.0#	0#	-7.07#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.46#
34	l2	toxaphene-2	*	0.025	0.000	100.0#	0#	-5.25#
35	l2	toxaphene-3	*	0.037	0.000	100.0#	0#	-5.28#
36	l2	toxaphene-4	*	0.044	0.000	100.0#	0#	-5.59#
37	l2	toxaphene-5	*	0.040	0.000	100.0#	0#	-6.00#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-22.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 16:32
Operator : PEST11:akm
Sample : cicvchlor,42e,,pp 11924 L1.0ICV
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:55:38 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:55:24 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.376	1.457	350.8E6	186.4E6	25.000M3	25.000M3
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-22.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 16:32
Operator : PEST11:akm
Sample : cicvchlor,42e,,pp 11924 L1.0ICV
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:55:38 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:55:24 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.570	2.978	550.2E6	250.5E6	808.841	879.747
30) l1	chlordane-3	3.004	3.612	631.4E6	287.0E6	804.863	864.492
31) l1	chlordane-4	3.582	4.314	2386.5E6	987.7E6	794.474	834.748
32) l1	chlordane-5	3.709	4.474	4123.1E6	745.6E6	889.774	818.912
Sum	chlordane-1			7691.2E6	2270.8E6	NoCal	NoCal D
Average	chlordane-1					824.488	849.475
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

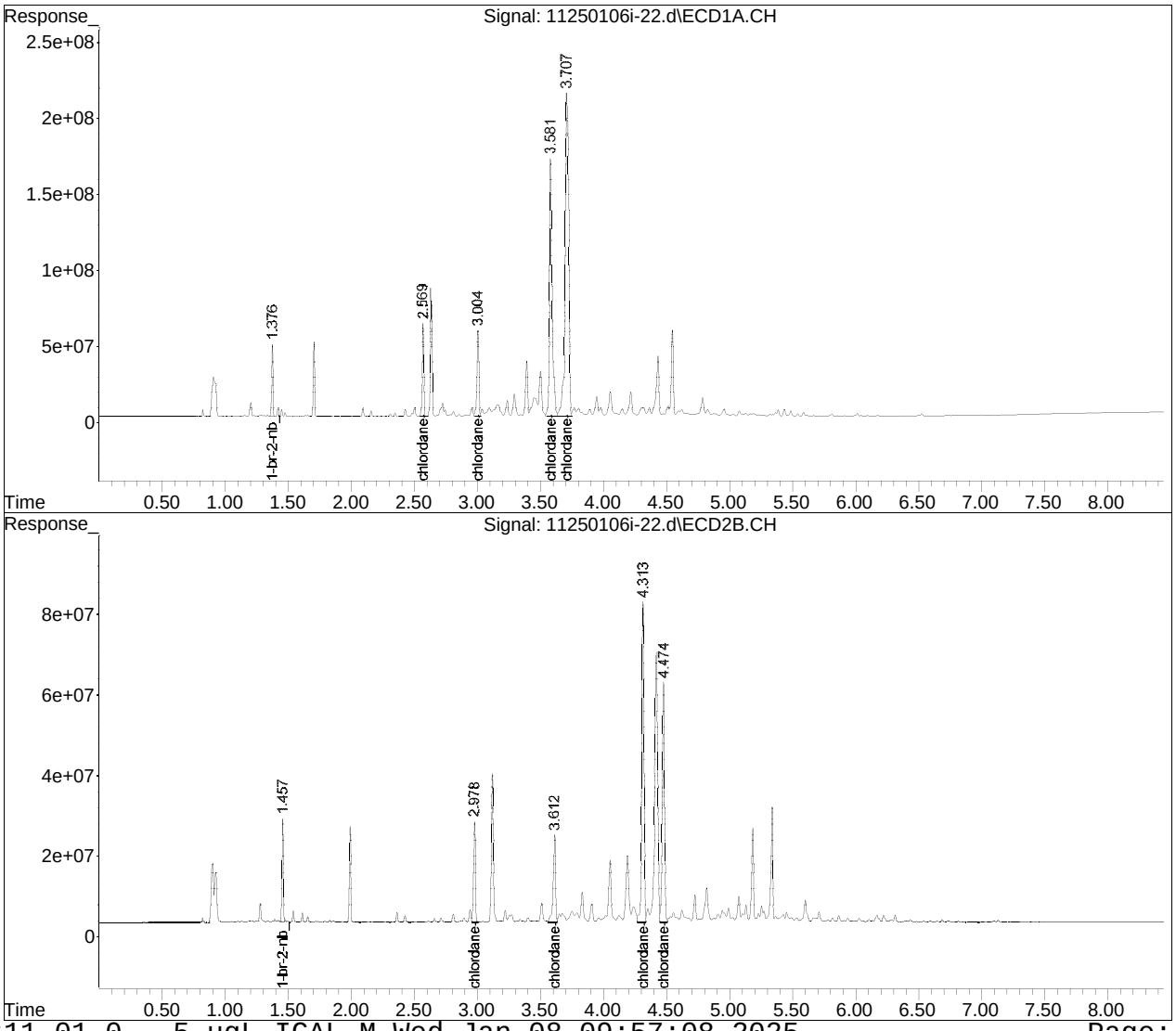
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-22.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 16:32
Operator : PEST11:akm
Sample : cicvchlor,42e,,pp 11924 L1.0ICV
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:55:38 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:55:24 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

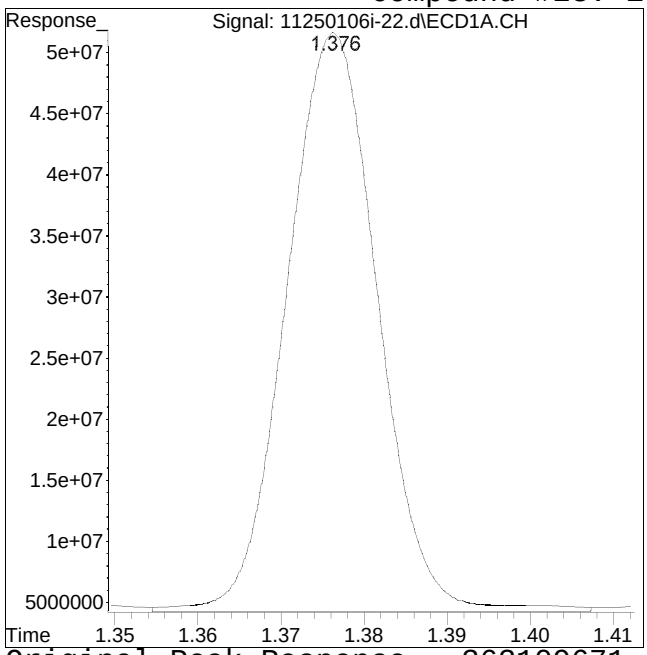
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

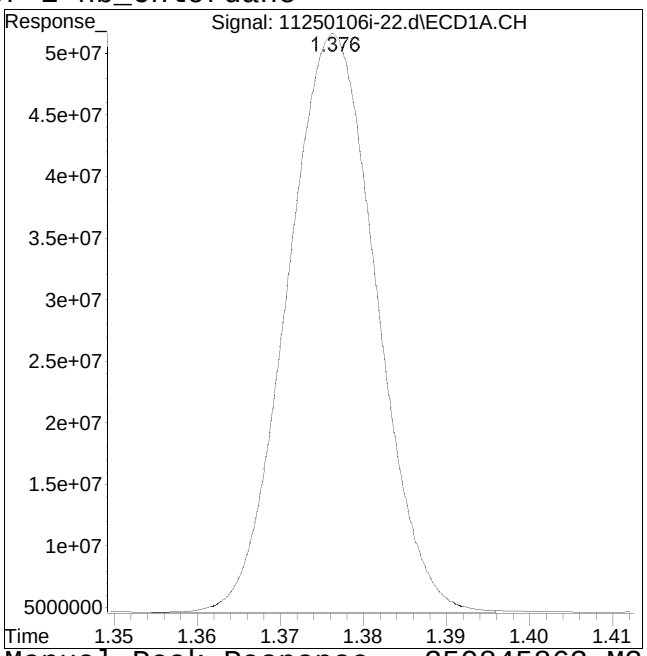


Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-22.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 16:32 Instrument : Pest 11
Sample : cicvchlor,42e,,pp 11924 L1Quant Date : 1/7/2025 12:55 pm

Compound #28: 1-br-2-nb_Chlordane



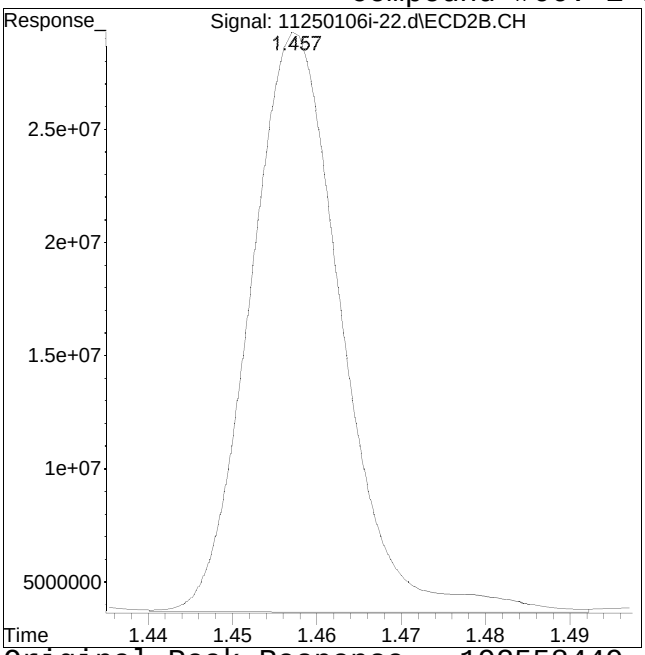


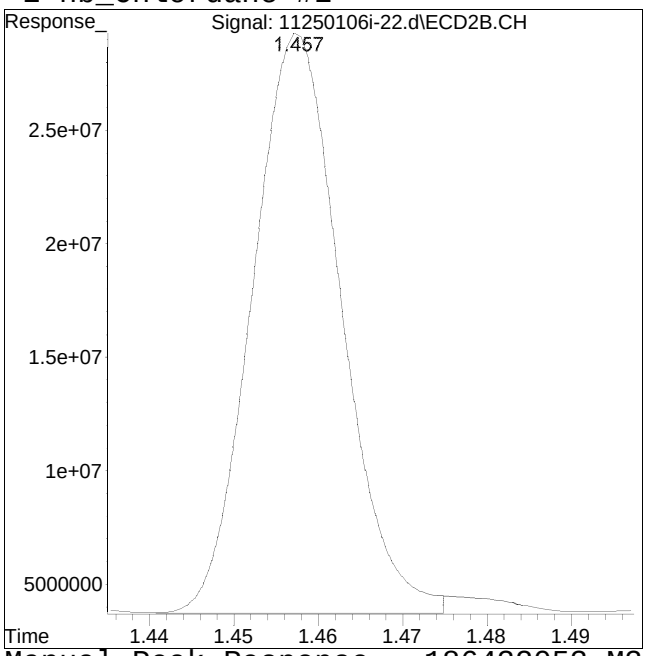
Original Peak Response = 363109671 Manual Peak Response = 350845863 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-22.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 16:32 Instrument : Pest 11
Sample : cicvchlor,42e,,pp 11924 L1Quant Date : 1/7/2025 12:55 pm

Compound #66: 1-br-2-nb_Chlordane #2





Original Peak Response = 192558449 Manual Peak Response = 186432053 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-23.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 16:44
Operator : PEST11:akm
Sample : il3tox,42e,,pp 11948 L0.02
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 13:01:11 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 13:01:05 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.377	1.458	337.6E6	188.1E6	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D.	N.D.
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D.	N.D.
6) t	beta-BHC	0.000	0.000	0	0	N.D.	N.D.
7) t	delta-BHC	0.000	0.000	0	0	N.D.	N.D.
8) t	Heptachlor	0.000	0.000	0	0	N.D.	N.D.
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D.	N.D.
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D.	N.D.
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-23.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 16:44
Operator : PEST11:akm
Sample : il3tox,42e,,pp 11948 L0.02
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 13:01:11 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 13:01:05 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D.	N.D.
30) l1	chlordane-3	0.000	0.000	0	0	N.D.	N.D.
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	4.603	5.253	18408252	4261566	20.643	23.565
35) l2	toxaphene-3	4.722	5.282	11985436	6854408	17.920	26.027
36) l2	toxaphene-4	4.939	5.592	13896009	8073678	20.534	25.540
37) l2	toxaphene-5	5.309	5.997	12677422	7483125	20.992	26.570
Sum	toxaphene-2			56967119	26672778	80.089	101.701
Average	toxaphene-2					20.022	25.425

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			56967119	26672778	80.089	101.701
Average	toxaphene-2					20.022	25.425

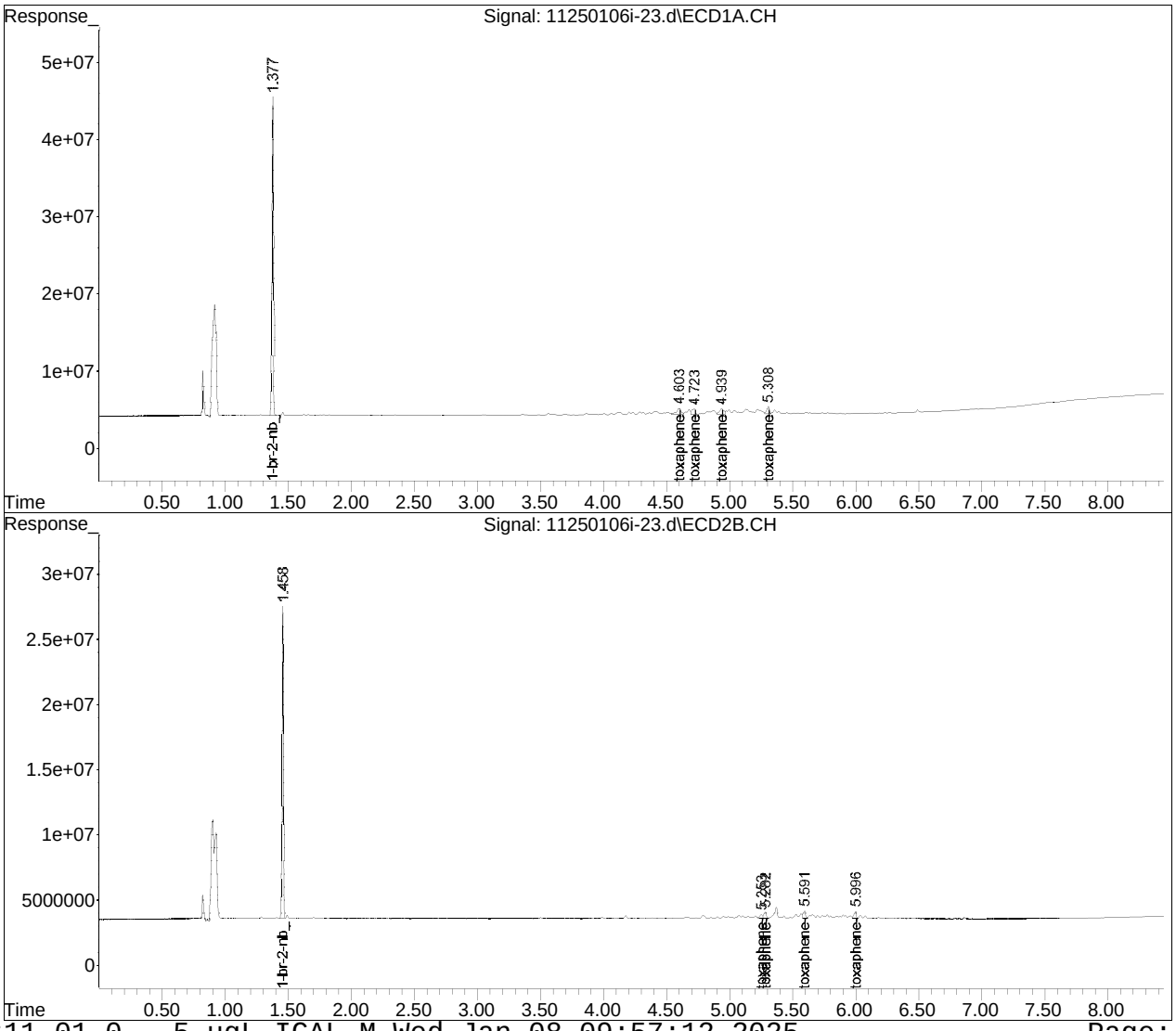
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-23.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 16:44
Operator : PEST11:akm
Sample : il3tox,42e,,pp 11948 L0.02
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 13:01:11 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 13:01:05 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

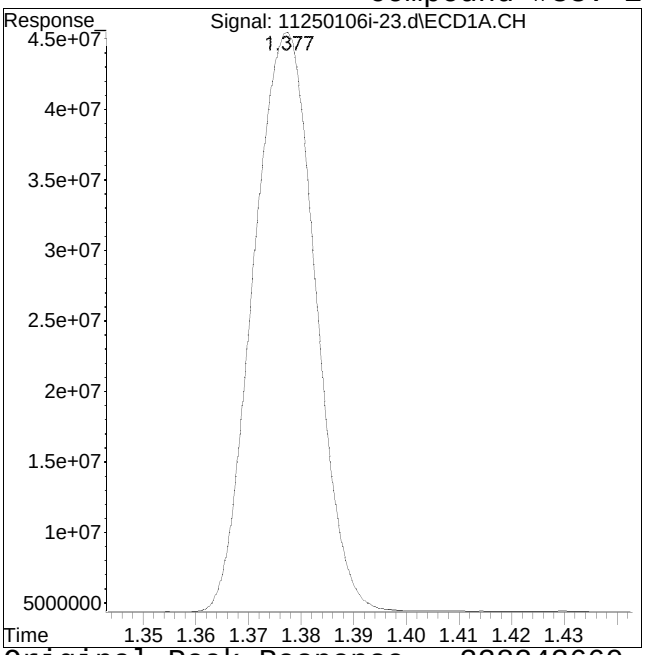


Manual Integration Report

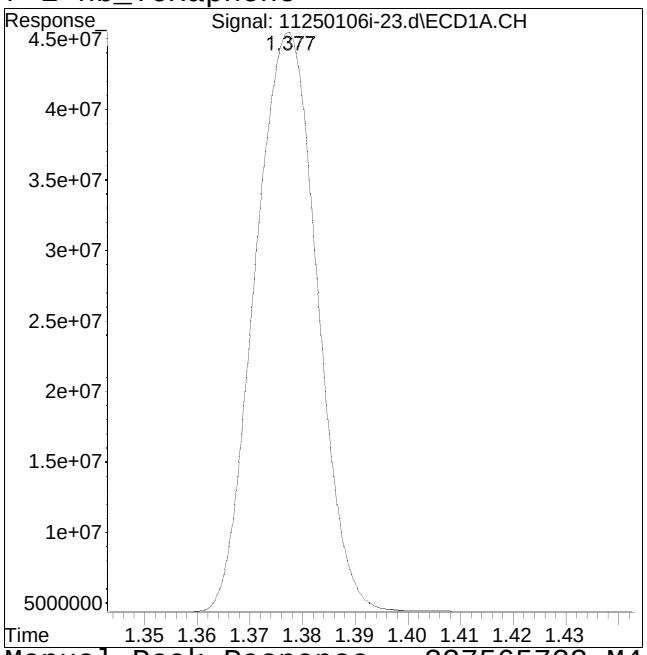
Data Path : I:\PEST\Pest11\2025\250106Q
Data File : 11250106i-23.d
Date Inj'd : 1/6/2025 16:44
Sample : il3tox,42e,,pp 11948 L0.02

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 1/7/2025 1:01 pm

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 338243660



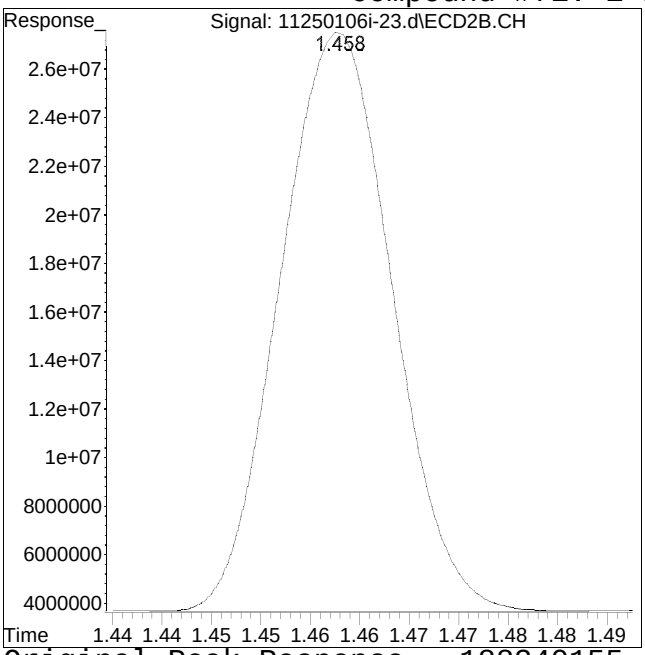
Manual Peak Response = 337565723 M4

M4 = Poor automated baseline construction.

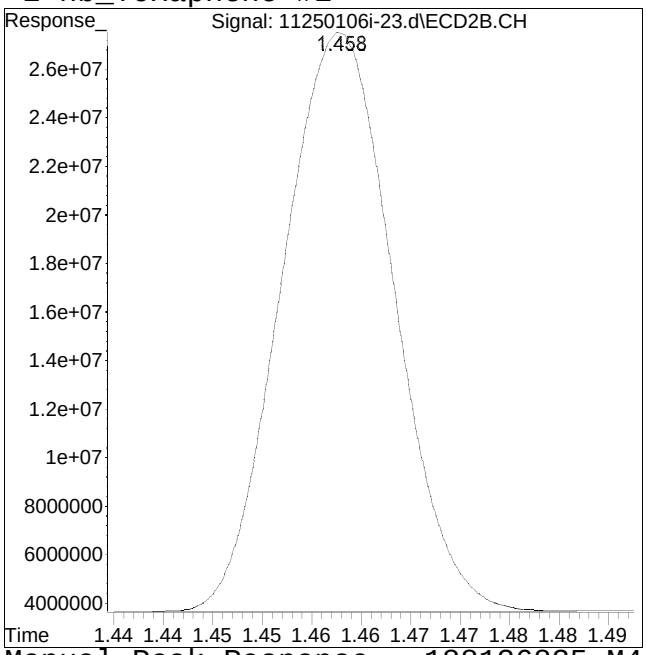
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-23.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 16:44 Instrument : Pest 11
Sample : il3tox,42e,,pp 11948 L0.02Quant Date : 1/7/2025 1:01 pm

Compound #71: 1-br-2-nb_Toxaphene #2



Original Peak Response = 188340155



Manual Peak Response = 188136835 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-24.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 16:56
Operator : PEST11:akm
Sample : il4tox,42e,,pp 11948 L0.1
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:59:56 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:59:50 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.377	1.458	356.9E6	196.7E6	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4) t	alpha-BHC	0.000	0.000	0	0	N.D.	N.D.
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D.	N.D.
6) t	beta-BHC	0.000	0.000	0	0	N.D.	N.D.
7) t	delta-BHC	0.000	0.000	0	0	N.D.	N.D.
8) t	Heptachlor	0.000	0.000	0	0	N.D.	N.D.
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D.	N.D.
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-24.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 16:56
Operator : PEST11:akm
Sample : il4tox,42e,,pp 11948 L0.1
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:59:56 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:59:50 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D.	N.D.
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	4.602	5.254	91953085	21649811	96.728	120.344
35) l2	toxaphene-3	4.723	5.283	65329708	30617631	90.092M3	115.530
36) l2	toxaphene-4	4.939	5.592	67967541	37868569	93.430M3	120.449
37) l2	toxaphene-5	5.308	5.996	61562554	32155184	95.269	112.677
Sum	toxaphene-2			286.8E6	122.3E6	375.520	468.999
Average	toxaphene-2					93.880	117.250

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			286.8E6	122.3E6	375.520	468.999
Average	toxaphene-2					93.880	117.250

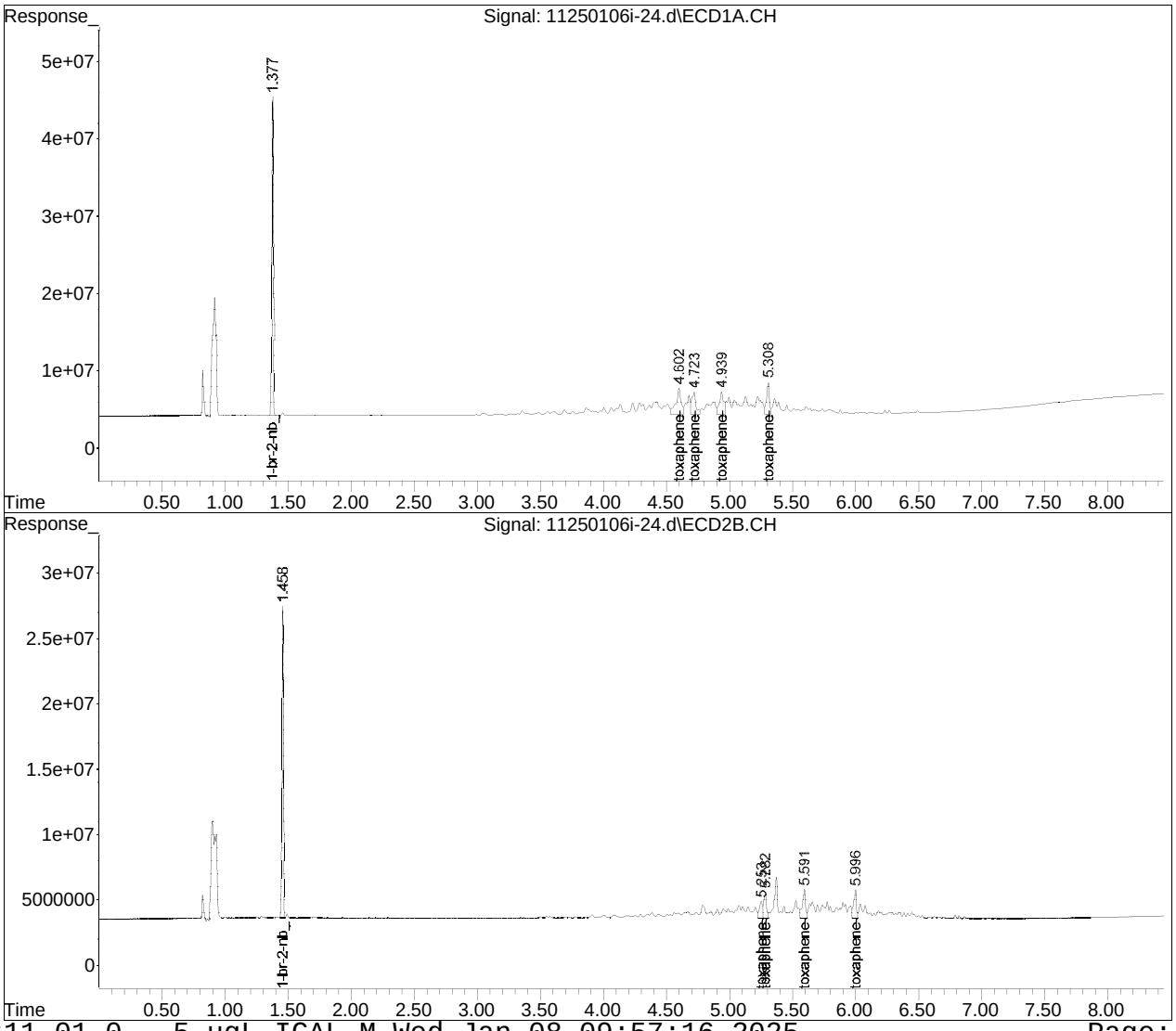
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-24.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 16:56
Operator : PEST11:akm
Sample : il4tox,42e,,pp 11948 L0.1
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:59:56 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:59:50 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

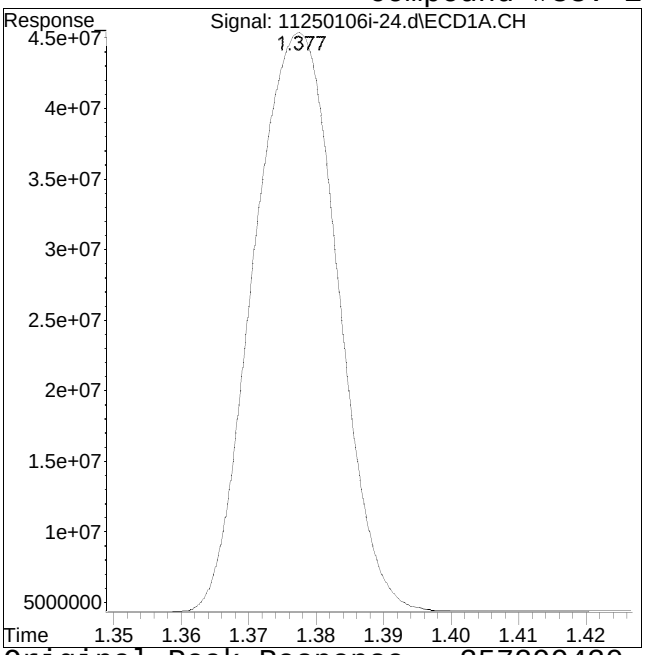
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

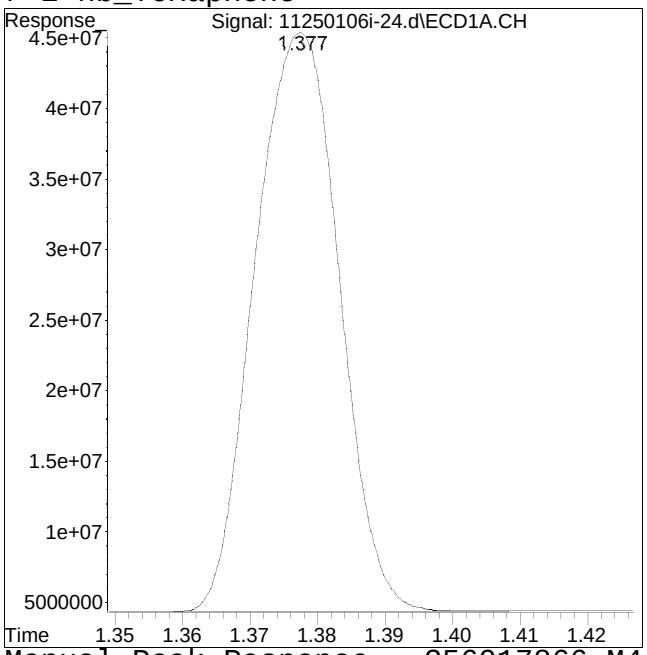


Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-24.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 16:56 Instrument : Pest 11
Sample : il4tox,42e,,pp 11948 L0.1 Quant Date : 1/7/2025 12:59 pm

Compound #33: 1-br-2-nb_Toxaphene



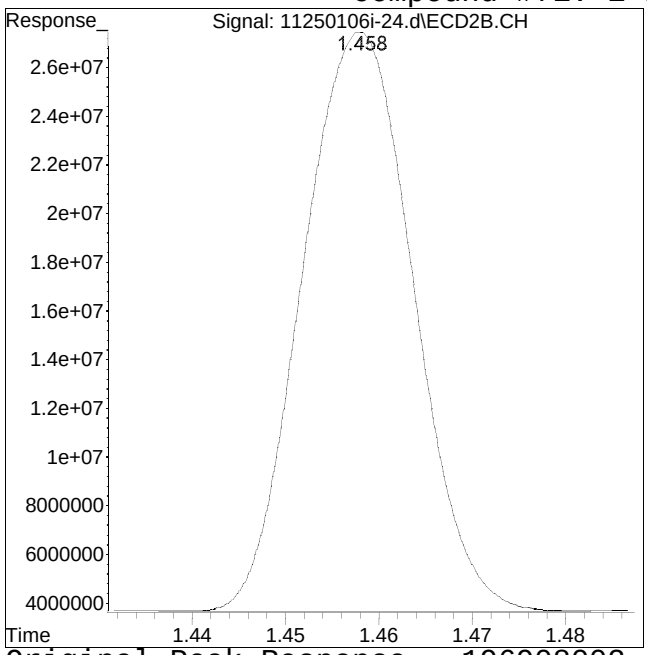


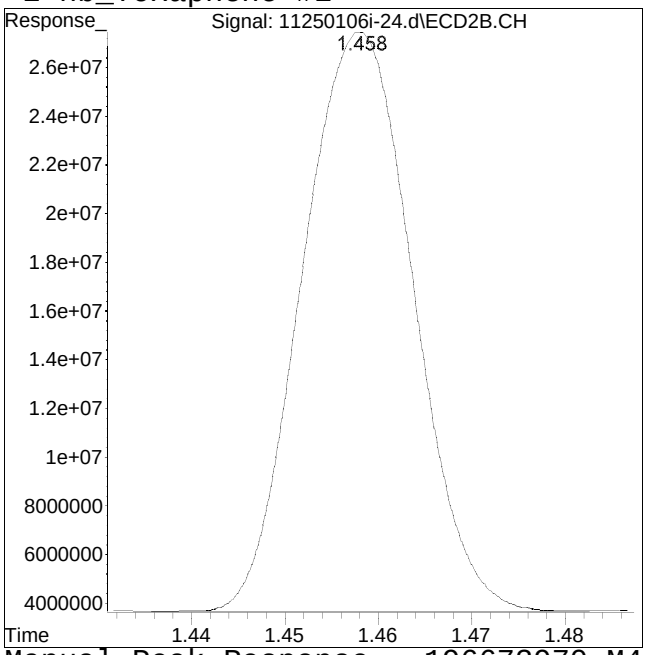
Original Peak Response = 357299430 Manual Peak Response = 356917866 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-24.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 16:56 Instrument : Pest 11
Sample : il4tox,42e,,pp 11948 L0.1 Quant Date : 1/7/2025 12:59 pm

Compound #71: 1-br-2-nb_Toxaphene #2



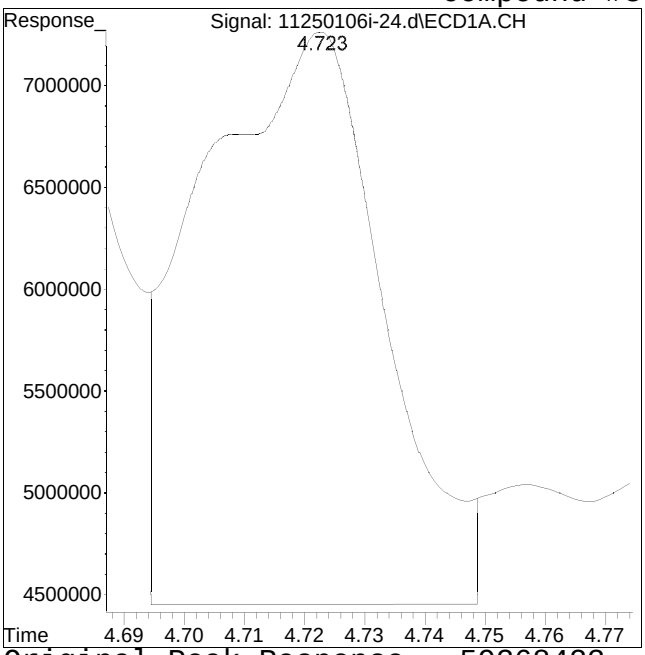


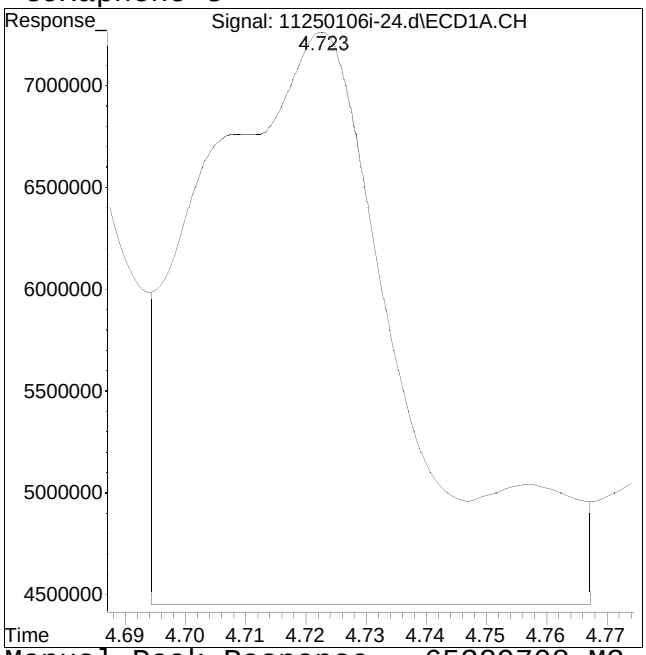
Original Peak Response = 196908002 Manual Peak Response = 196673970 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-24.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 16:56 Instrument : Pest 11
Sample : il4tox,42e,,pp 11948 L0.1 Quant Date : 1/7/2025 12:59 pm

Compound #35: toxaphene-3



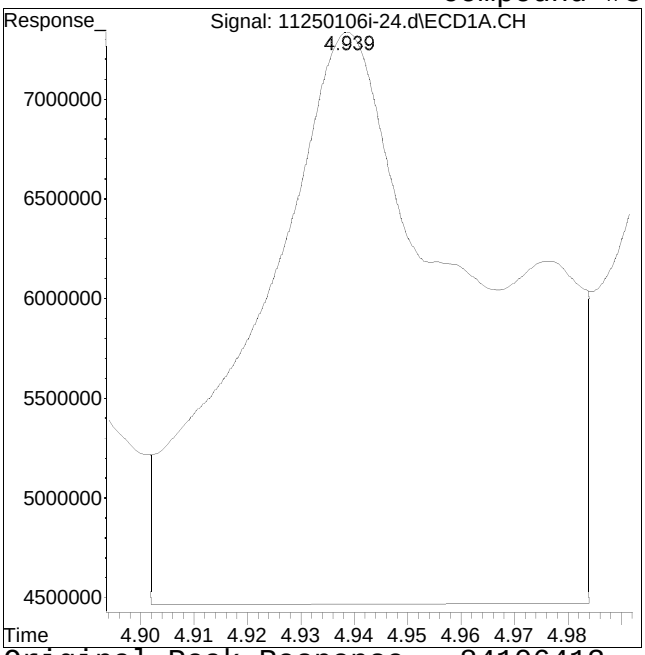


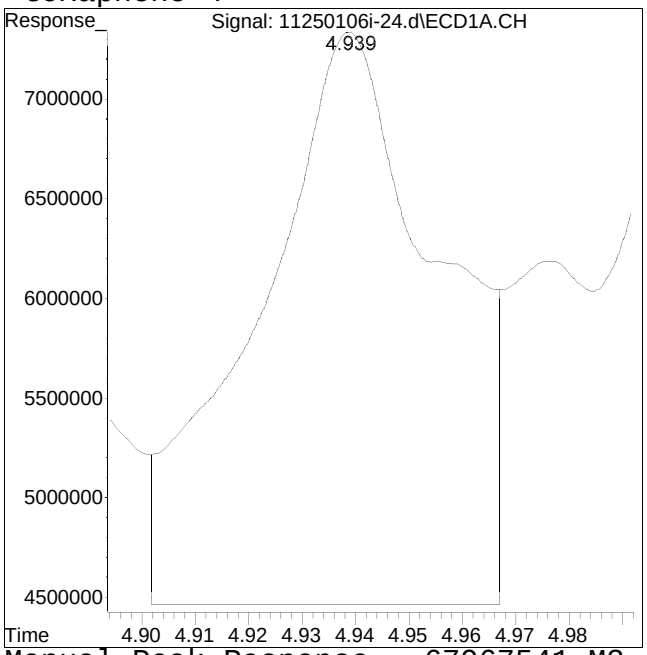
Original Peak Response = 59368423 Manual Peak Response = 65329708 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-24.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 16:56 Instrument : Pest 11
Sample : il4tox,42e,,pp 11948 L0.1 Quant Date : 1/7/2025 12:59 pm

Compound #36: toxaphene-4





Original Peak Response = 84106413 Manual Peak Response = 67967541 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-25.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 17:07
Operator : PEST11:akm
Sample : il7tox,42e,,pp 11948 L1.0
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:58:44 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:58:37 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.378	1.459	343.7E6	187.5E6	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-25.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 17:07
Operator : PEST11:akm
Sample : il7tox,42e,,pp 11948 L1.0
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:58:44 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:58:37 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	4.601	5.253	919.4E6	175.7E6	1006.589	1036.915
35) l2	toxaphene-3	4.721	5.282	694.2E6	257.5E6	991.434	1029.224
36) l2	toxaphene-4	4.938	5.591	699.0E6	306.8E6	996.868M3	1036.058
37) l2	toxaphene-5	5.307	5.996	627.2E6	277.0E6	1012.074	1027.528
Sum	toxaphene-2			2939.9E6	1017.0E6	4006.965	4129.726
Average	toxaphene-2					1001.741	1032.431

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			2939.9E6	1017.0E6	4006.965	4129.726
Average	toxaphene-2					1001.741	1032.431

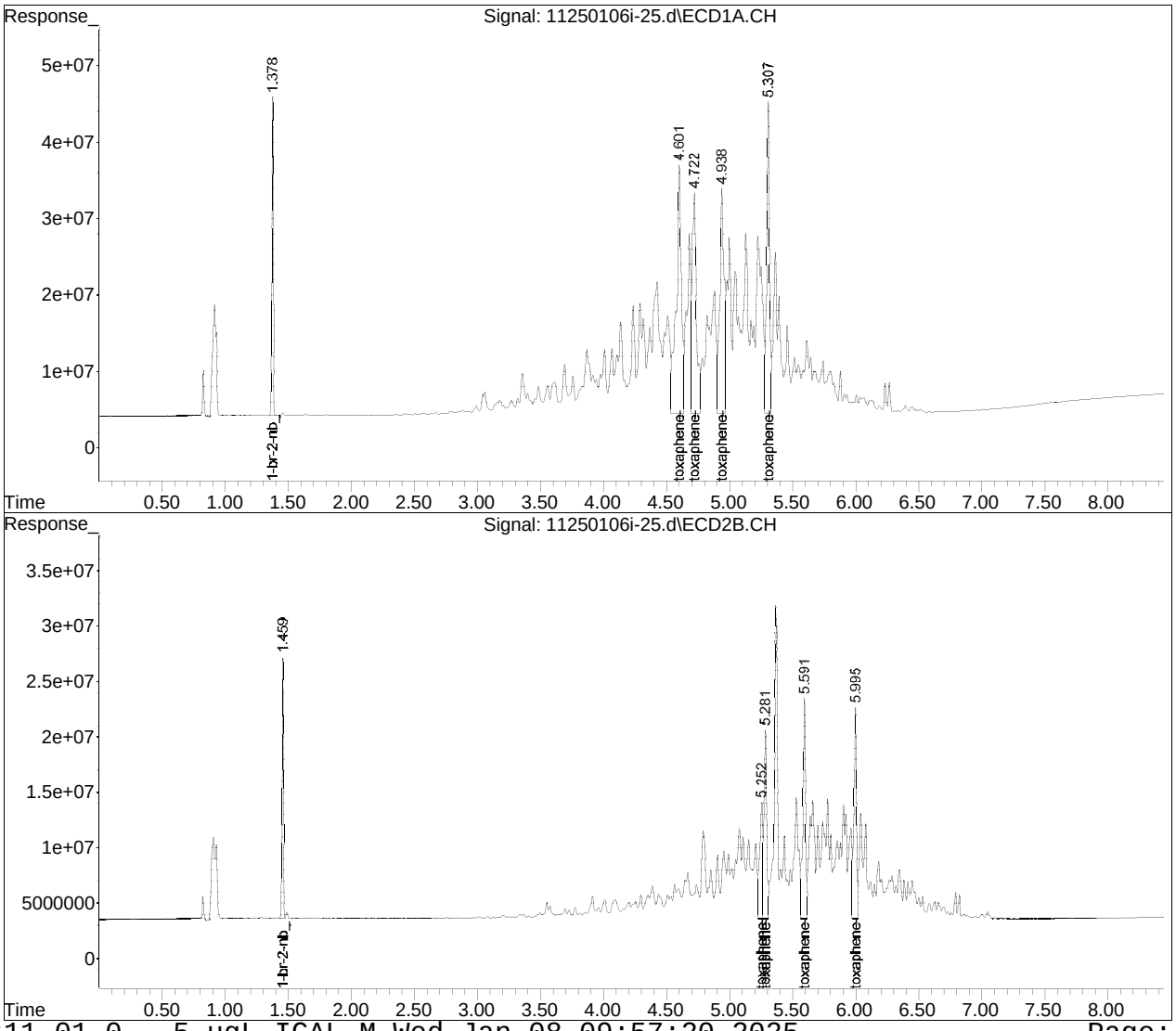
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-25.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 17:07
Operator : PEST11:akm
Sample : il7tox,42e,,pp 11948 L1.0
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:58:44 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:58:37 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

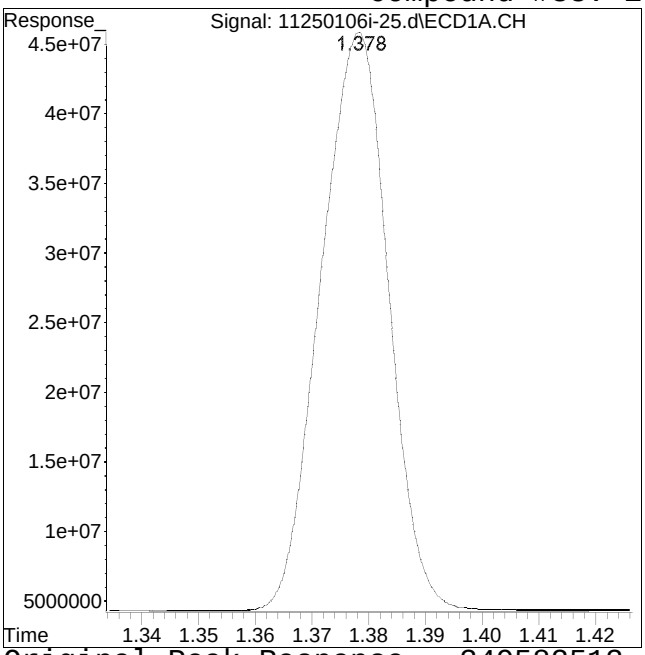
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

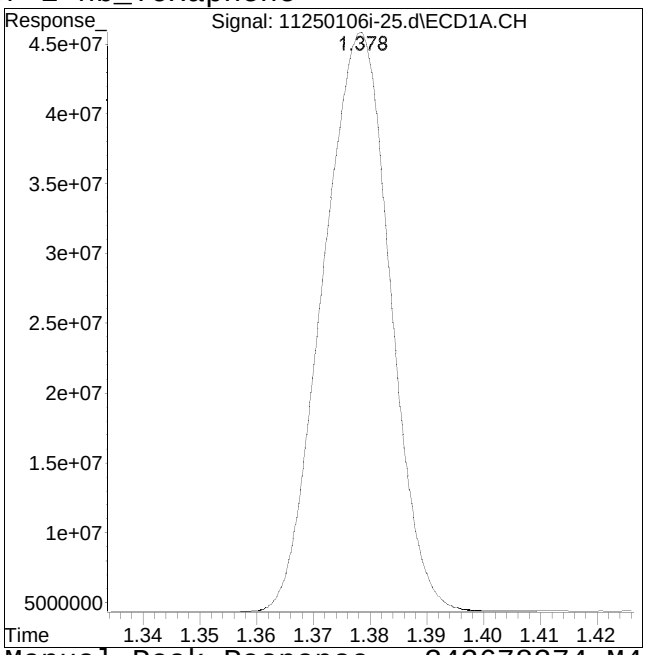


Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-25.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 17:07 Instrument : Pest 11
Sample : il7tox,42e,,pp 11948 L1.0 Quant Date : 1/7/2025 12:58 pm

Compound #33: 1-br-2-nb_Toxaphene



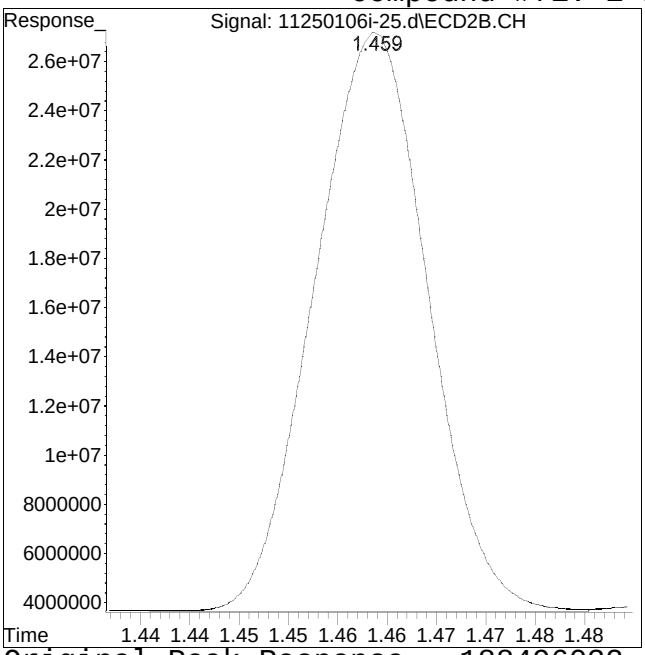


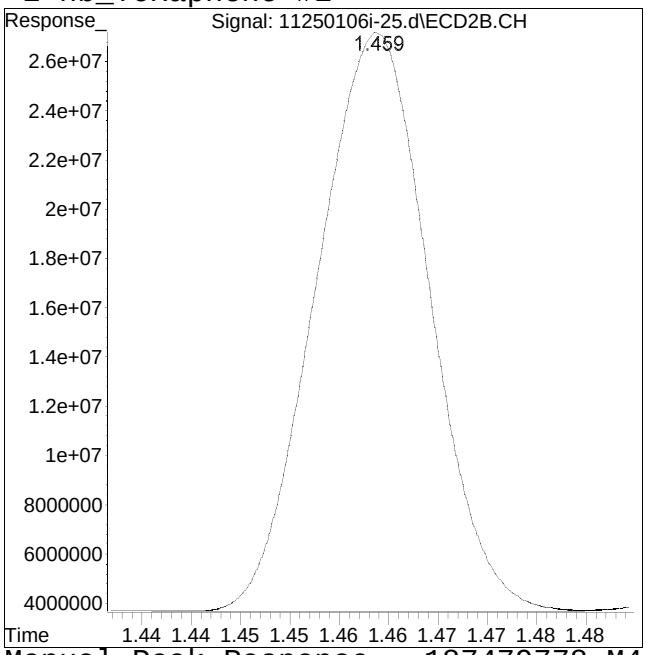
Original Peak Response = 349582513 Manual Peak Response = 343678374 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-25.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 17:07 Instrument : Pest 11
Sample : il7tox,42e,,pp 11948 L1.0 Quant Date : 1/7/2025 12:58 pm

Compound #71: 1-br-2-nb_Toxaphene #2



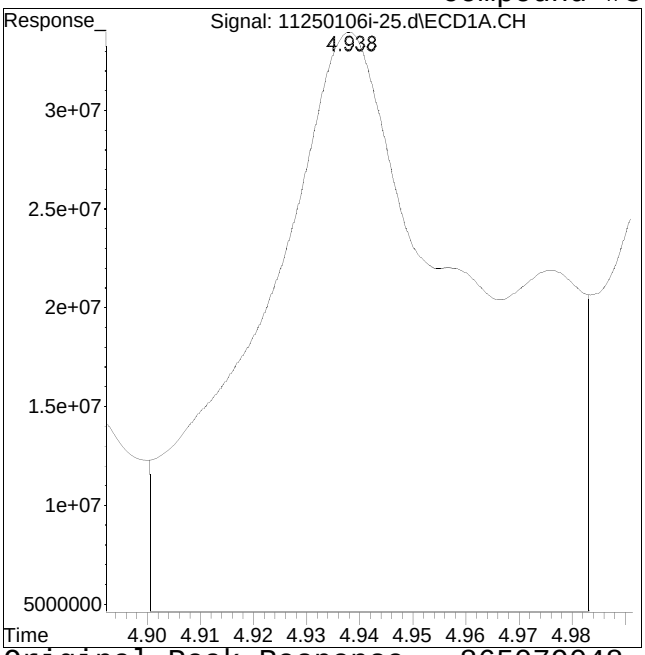


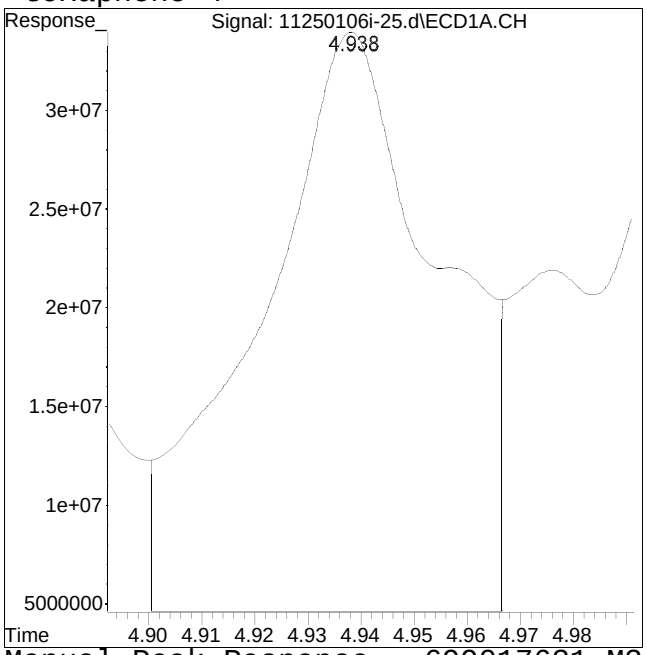
Original Peak Response = 188496032 Manual Peak Response = 187479778 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-25.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 17:07 Instrument : Pest 11
Sample : il7tox,42e,,pp 11948 L1.0 Quant Date : 1/7/2025 12:58 pm

Compound #36: toxaphene-4





Original Peak Response = 865079048 Manual Peak Response = 699017631 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-26.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 17:19
Operator : PEST11:akm
Sample : il8tox,42e,,pp 11948 L2.0
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:56:49 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:55:24 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
		Internal Standards						
1)	i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28)	i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33)	i	1-br-2-nb_To	1.377	1.457	355.8E6	195.4E6	25.000M4	25.000M4
		System Monitoring Compounds						
2)	s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
		Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27)	s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
		Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
		Target Compounds						
3)	t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-26.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 17:19
Operator : PEST11:akm
Sample : il8tox,42e,,pp 11948 L2.0
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:56:49 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:55:24 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	4.601	5.253	1956.1E6	357.8E6	NoCal	NoCal
35) l2	toxaphene-3	4.721	5.282	1498.7E6	526.3E6	NoCal	NoCal
36) l2	toxaphene-4	4.938	5.591	1483.4E6	618.3E6	NoCal M3	NoCal
37) l2	toxaphene-5	5.308	5.996	1327.3E6	566.0E6	NoCal	NoCal
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

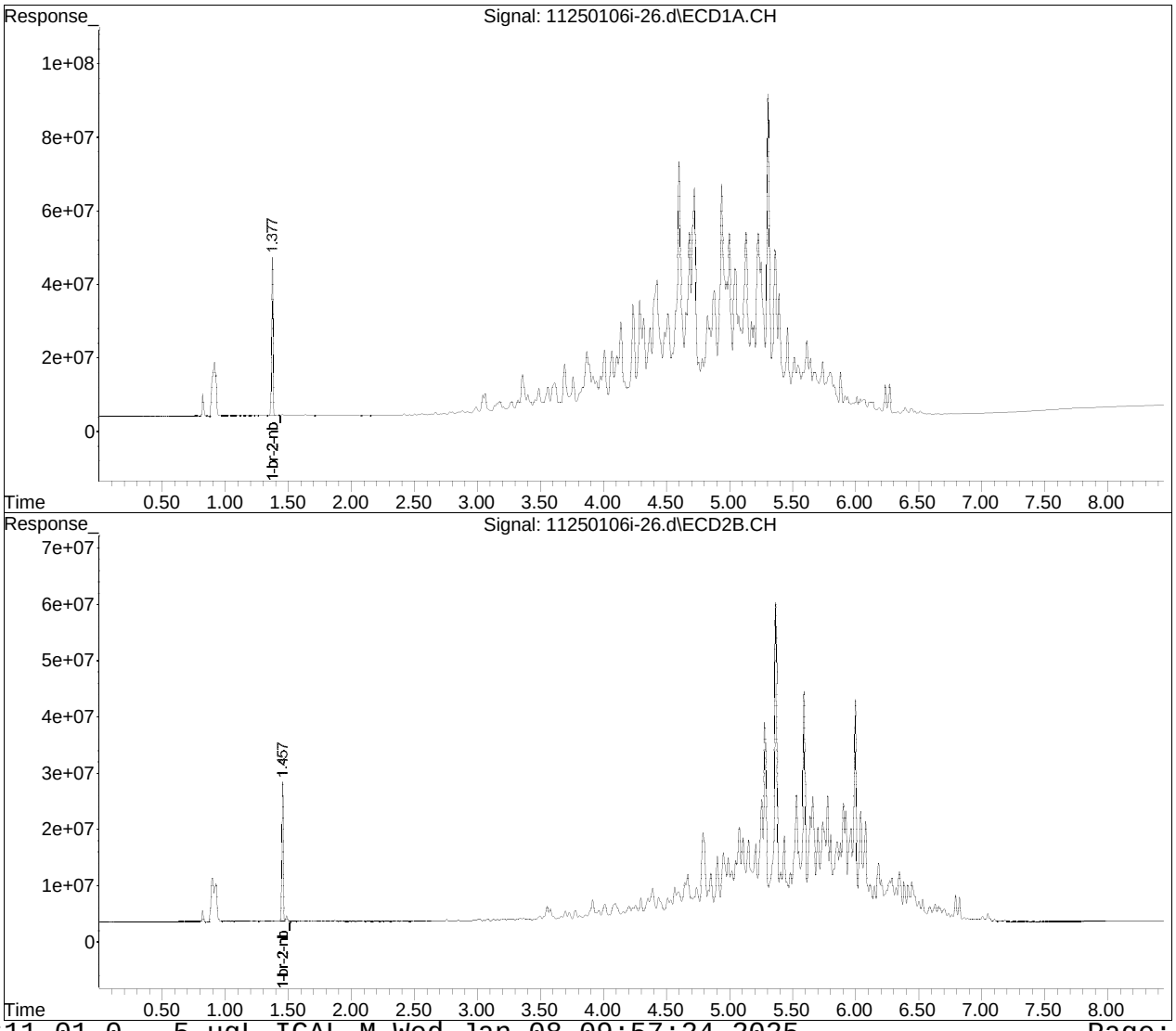
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-26.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 17:19
Operator : PEST11:akm
Sample : il8tox,42e,,pp 11948 L2.0
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:56:49 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:55:24 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

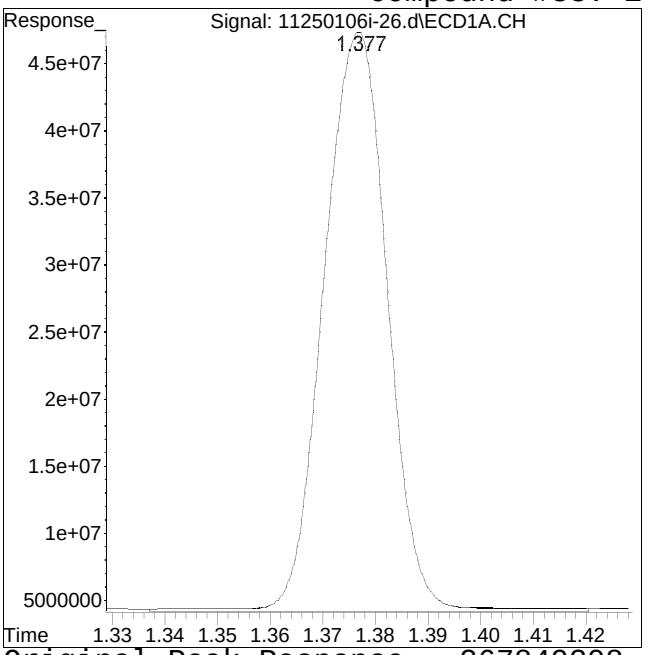
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

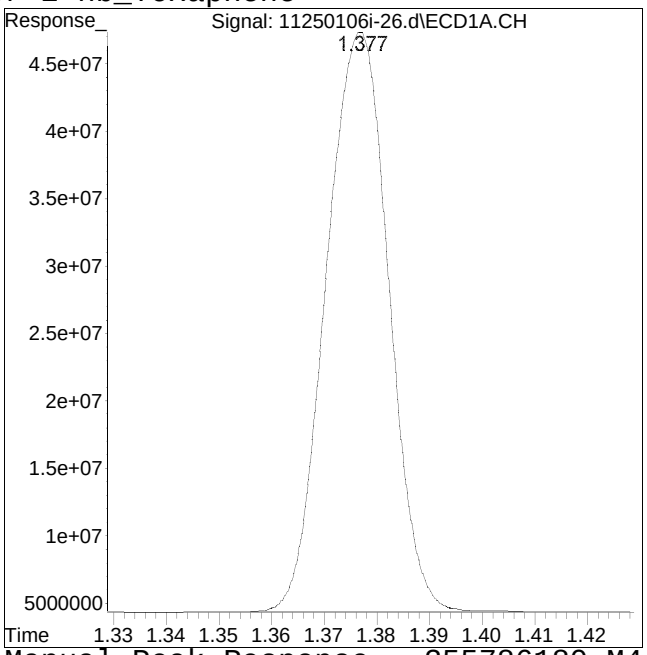


Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-26.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 17:19 Instrument : Pest 11
Sample : il8tox,42e,,pp 11948 L2.0 Quant Date : 1/7/2025 12:56 pm

Compound #33: 1-br-2-nb_Toxaphene



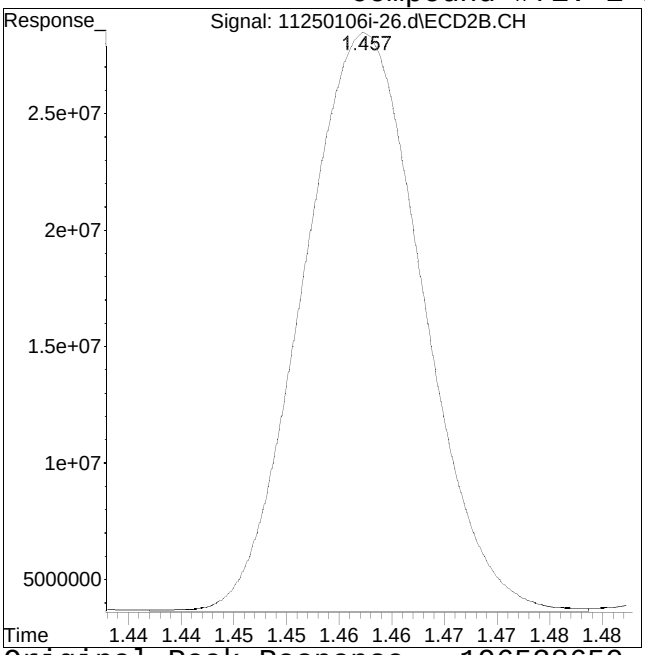


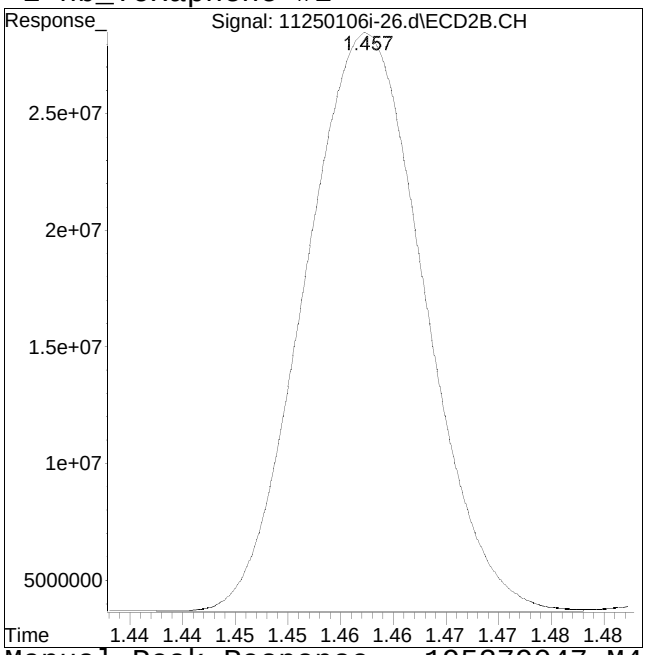
Original Peak Response = 367849308 Manual Peak Response = 355786180 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-26.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 17:19 Instrument : Pest 11
Sample : il8tox,42e,,pp 11948 L2.0 Quant Date : 1/7/2025 12:56 pm

Compound #71: 1-br-2-nb_Toxaphene #2



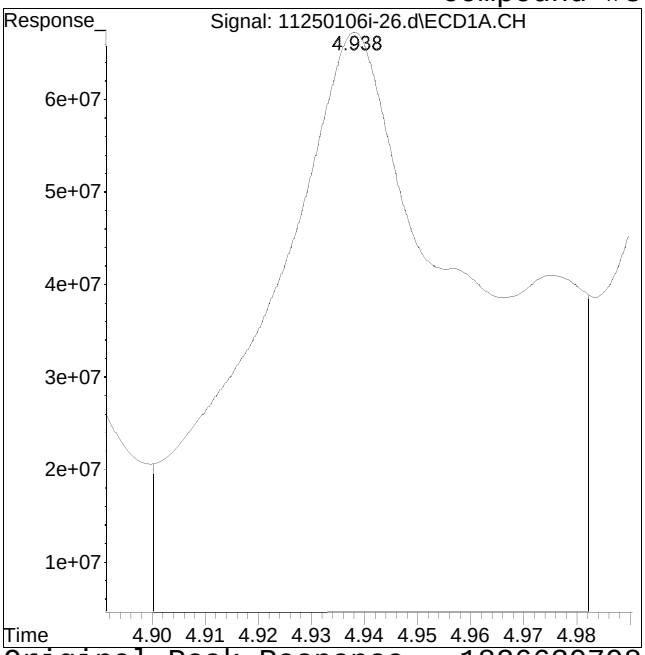


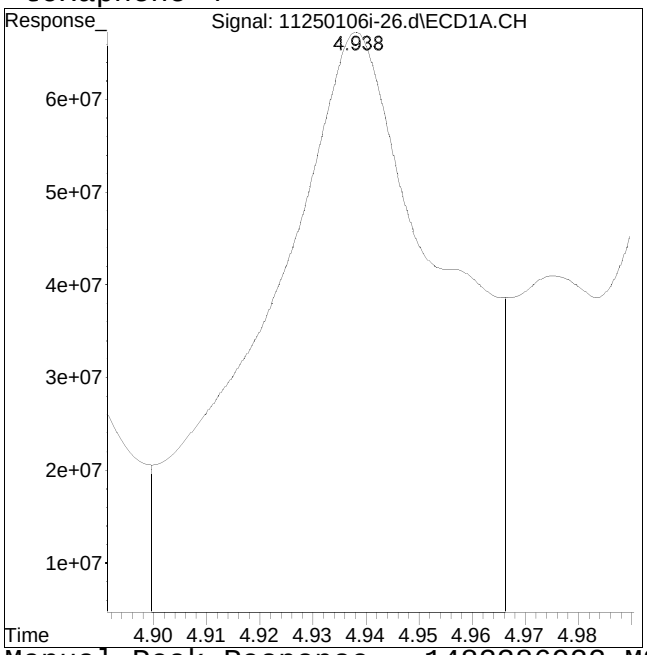
Original Peak Response = 196538650 Manual Peak Response = 195379047 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-26.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 17:19 Instrument : Pest 11
Sample : il8tox,42e,,pp 11948 L2.0 Quant Date : 1/7/2025 12:56 pm

Compound #36: toxaphene-4





Original Peak Response = 1826639798 Manual Peak Response = 1483386922 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-27.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 17:31
Operator : PEST11:akm
Sample : il9tox,42e,,pp 11948 L5.0
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:58:02 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:57:55 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.372	1.453	364.3E6	186.2E6	25.000M3	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-27.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 17:31
Operator : PEST11:akm
Sample : il9tox,42e,,pp 11948 L5.0
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:58:02 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:57:55 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	4.600	5.251	4675.2E6	830.1E6	4667.887	4868.264
35) l2	toxaphene-3	4.720	5.281	3586.6E6	1231.0E6	4673.753	4907.447
36) l2	toxaphene-4	4.937	5.591	3636.2E6	1468.3E6	4787.299	4983.081
37) l2	toxaphene-5	5.307	5.995	3171.9E6	1329.0E6	4667.061	4926.974
Sum	toxaphene-2			15069.8E6	4858.4E6	18795.999	19685.766
Average	toxaphene-2					4699.000	4921.441

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			15069.8E6	4858.4E6	18795.999	19685.766
Average	toxaphene-2					4699.000	4921.441

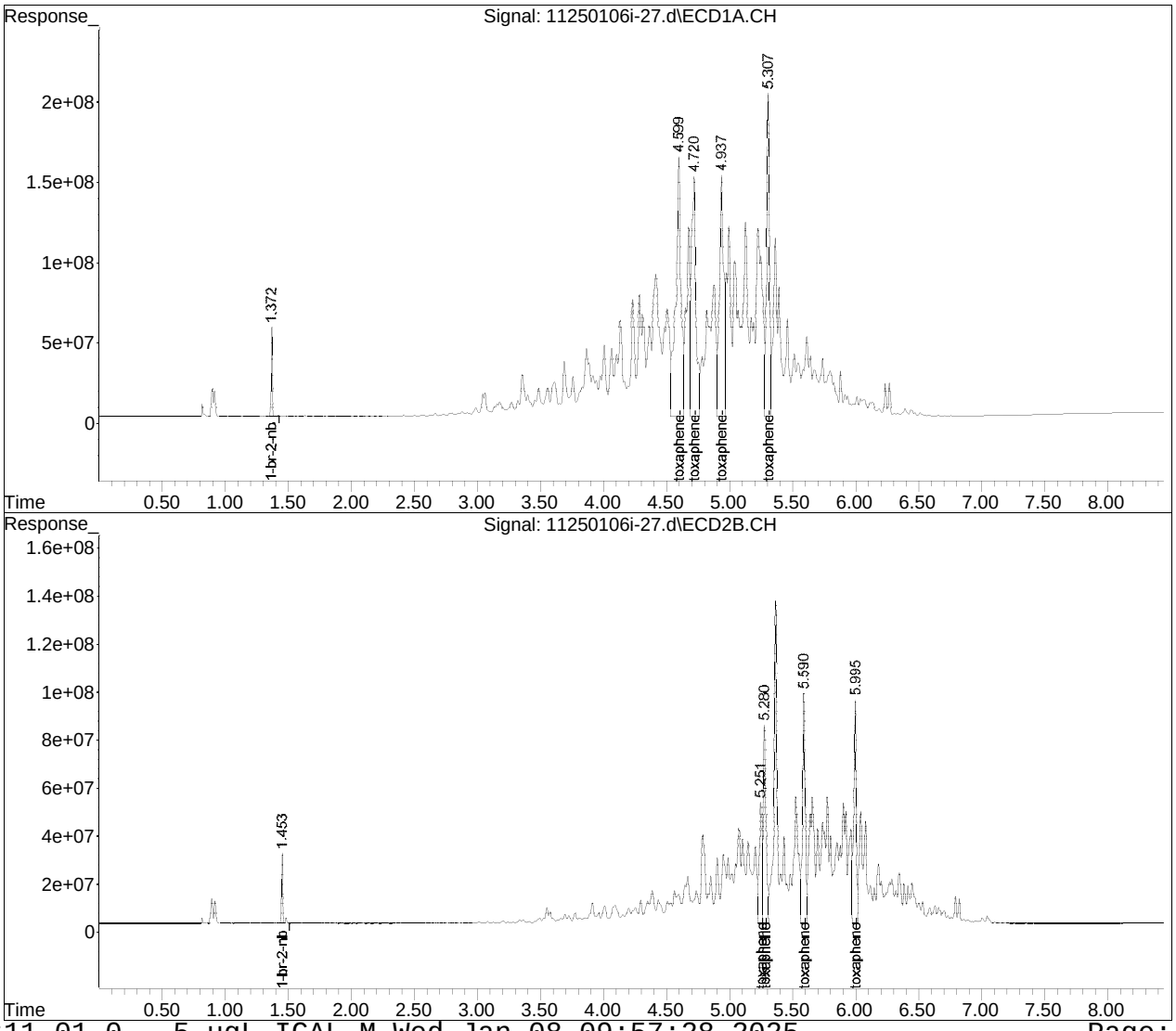
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-27.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 17:31
Operator : PEST11:akm
Sample : il9tox,42e,,pp 11948 L5.0
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 12:58:02 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 12:57:55 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

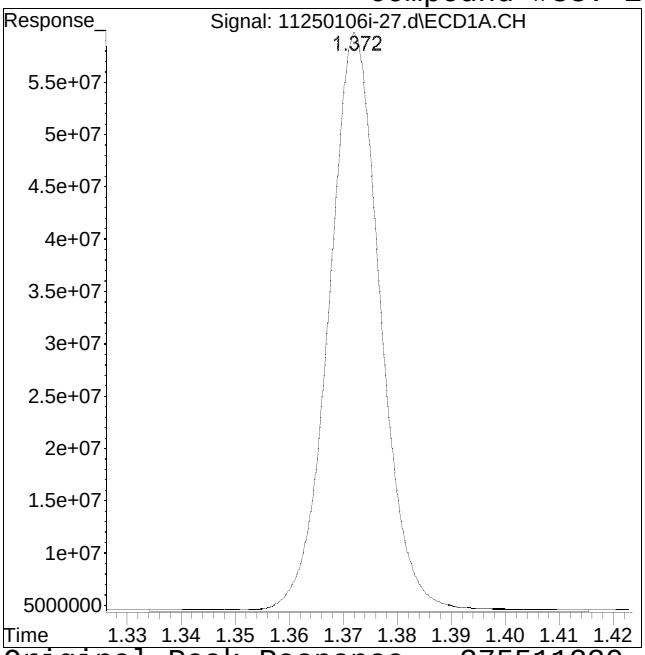
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

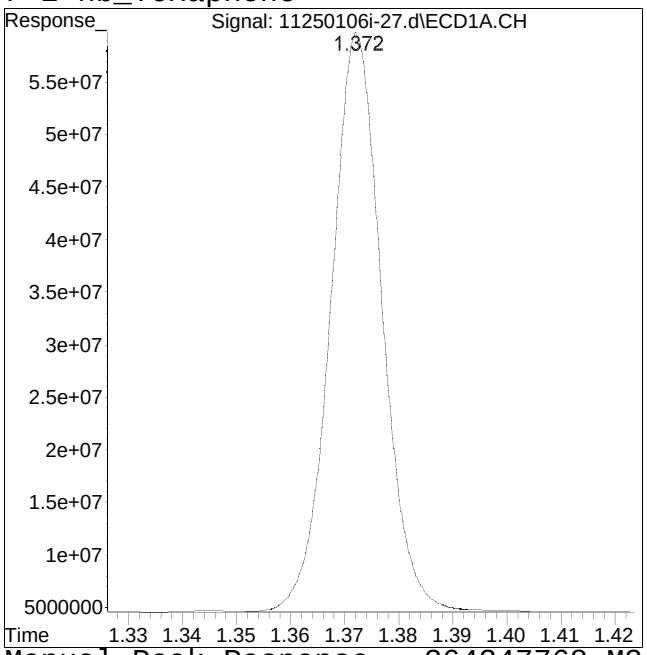


Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-27.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 17:31 Instrument : Pest 11
Sample : il9tox,42e,,pp 11948 L5.0 Quant Date : 1/7/2025 12:58 pm

Compound #33: 1-br-2-nb_Toxaphene



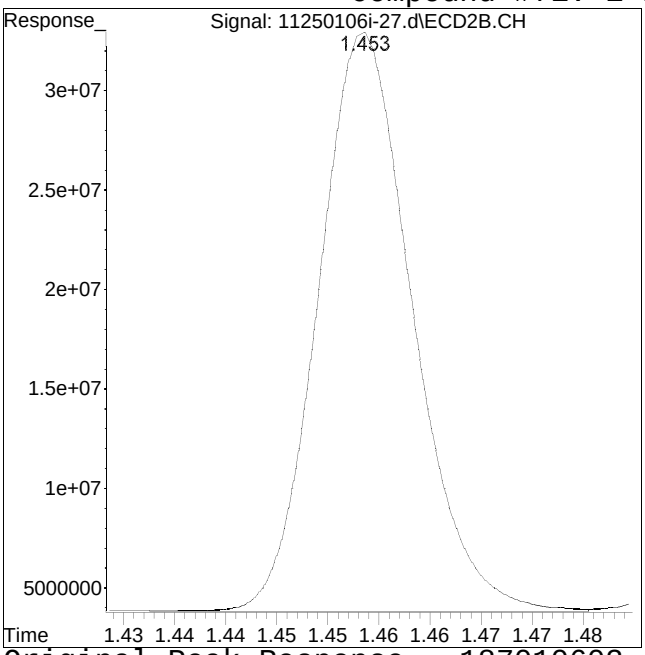


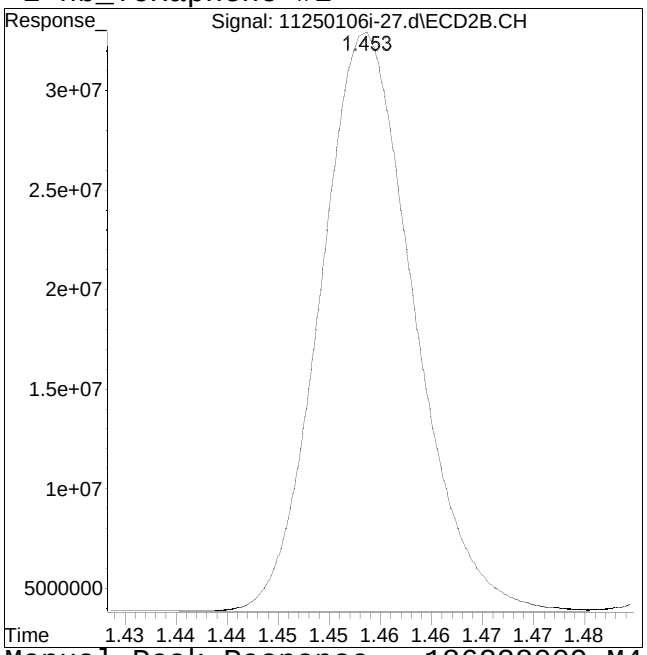
Original Peak Response = 375511230 Manual Peak Response = 364347768 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-27.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 17:31 Instrument : Pest 11
Sample : il9tox,42e,,pp 11948 L5.0 Quant Date : 1/7/2025 12:58 pm

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 187010603 Manual Peak Response = 186228009 M4
M4 = Poor automated baseline construction.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-28.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 06 Jan 2025 17:43
Operator : PEST11:akm
Sample   : cicvtox,42e,,pp 11899 L2.0ICV
Misc   : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 28 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 13:05:09 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 13:05:09 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	99	0.00
34	l2	toxaphene-2		0.066	0.066	0.0	94	0.00
35	l2	toxaphene-3		0.049	0.048	2.0	89	0.00
36	l2	toxaphene-4		0.050	0.048	4.0	89	0.00
37	l2	toxaphene-5		0.045	0.043	4.4	90	0.00

Signal #2

33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	98	0.00
34	l2	toxaphene-2		*2000.000	2000.776	-0.0	94	0.00
35	l2	toxaphene-3		*2000.000	1966.558	1.7	93	0.00
36	l2	toxaphene-4		*2000.000	1818.730	9.1	87	0.00
37	l2	toxaphene-5		*2000.000	1956.715	2.2	93	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.38#
2	s	2,4,5,6-Tetrachloro-m-xylen		1.214	0.000	100.0#	0#	-1.73#
3	t	Hexachlorobenzene		1.339	0.000	100.0#	0#	-1.96#
4	t	alpha-BHC		1.626	0.000	100.0#	0#	-2.06#
5	t	gamma-BHC (lindane)		1.491	0.000	100.0#	0#	-2.27#
6	t	beta-BHC		0.694	0.000	100.0#	0#	-2.33#
7	t	delta-BHC		1.501	0.000	100.0#	0#	-2.46#
8	t	Heptachlor		1.402	0.000	100.0#	0#	-2.63#
9	t	Aldrin		1.400	0.000	100.0#	0#	-2.89#
10	t	Alachlor		0.208	0.000	100.0#	0#	-3.01#
11	t	Chlorpyrifos		0.763	0.000	100.0#	0#	-3.11#
12	t	Heptachlor Epoxide		1.324	0.000	100.0#	0#	-3.45#
13	t	gamma-Chlordane (trans)		1.279	0.000	100.0#	0#	-3.58#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-28.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 06 Jan 2025 17:43
Operator : PEST11:akm
Sample   : cicvtox,42e,,pp 11899 L2.0ICV
Misc   : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 28 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 13:05:09 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 13:05:09 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
14	t	alpha-Chlordane (cis)		1.451	0.000	100.0#	0#	-3.72#
15	t	4,4'-DDE		1.327	0.000	100.0#	0#	-3.82#
16	t	Endosulfan I		1.270	0.000	100.0#	0#	-3.86#
17	t	Dieldrin		1.316	0.000	100.0#	0#	-4.13#
18	t	Endrin		1.275	0.000	100.0#	0#	-4.38#
19	t	4,4'-DDD		1.003	0.000	100.0#	0#	-4.48#
20	t	Endosulfan II		1.185	0.000	100.0#	0#	-4.61#
21	t	4,4'-DDT		1.089	0.000	100.0#	0#	-4.76#
22	t	Endrin Aldehyde		0.983	0.000	100.0#	0#	-5.02#
23	t	Methoxychlor		0.614	0.000	100.0#	0#	-5.24#
24	t	Mirex		1.142	0.000	100.0#	0#	-5.30#
25	t	Endosulfan Sulfate		1.182	0.000	100.0#	0#	-5.40#
26	t	Endrin Ketone		1.179	0.000	100.0#	0#	-5.62#
27	s	Decachlorobiphenyl		1.150	0.000	100.0#	0#	-6.41#
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.38#
29	l1	chlordane-1		*1000.000	0.000	100.0#	0	-2.57#
30	l1	chlordane-3		*1000.000	0.000	100.0#	0	-3.00#
31	l1	chlordane-4		*1000.000	0.000	100.0#	0	-3.58#
32	l1	chlordane-5		*1000.000	0.000	100.0#	0	-3.71#

Signal #2

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.46#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.044	0.000	100.0#	0#	-1.96#
3	t	Hexachlorobenzene		1.181	0.000	100.0#	0#	-2.30#
4	t	alpha-BHC		1.456	0.000	100.0#	0#	-2.40#
5	t	gamma-BHC (lindane)		1.401	0.000	100.0#	0#	-2.70#
6	t	beta-BHC		* 50.000	0.000	100.0#	0	-2.77#
7	t	delta-BHC		1.381	0.000	100.0#	0#	-3.05#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-28.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 06 Jan 2025 17:43
Operator : PEST11:akm
Sample   : cicvtox,42e,,pp 11899 L2.0ICV
Misc   : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 28 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 13:05:09 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 13:05:09 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
8	t	Heptachlor		1.405	0.000	100.0#	0#	-3.12#
9	t	Aldrin		1.255	0.000	100.0#	0#	-3.46#
10	t	Alachlor	*	50.000	0.000	100.0#	0	-3.33#
11	t	Chlorpyrifos		0.788	0.000	100.0#	0#	-3.70#
12	t	Heptachlor Epoxide		1.270	0.000	100.0#	0#	-4.09#
13	t	gamma-Chlordane (trans)		1.131	0.000	100.0#	0#	-4.31#
14	t	alpha-Chlordane (cis)		1.259	0.000	100.0#	0#	-4.47#
15	t	4,4'-DDE		1.178	0.000	100.0#	0#	-4.66#
16	t	Endosulfan I		1.169	0.000	100.0#	0#	-4.53#
17	t	Dieldrin		1.162	0.000	100.0#	0#	-4.81#
18	t	Endrin		1.169	0.000	100.0#	0#	-5.10#
19	t	4,4'-DDD		0.946	0.000	100.0#	0#	-5.21#
20	t	Endosulfan II		1.074	0.000	100.0#	0#	-5.29#
21	t	4,4'-DDT		1.077	0.000	100.0#	0#	-5.49#
22	t	Endrin Aldehyde	*	50.000	0.000	100.0#	0	-5.58#
23	t	Methoxychlor		0.615	0.000	100.0#	0#	-6.04#
24	t	Mirex	*	50.000	0.000	100.0#	0	-6.19#
25	t	Endosulfan Sulfate		1.058	0.000	100.0#	0#	-5.81#
26	t	Endrin Ketone		1.110	0.000	100.0#	0#	-6.22#
27	s	Decachlorobiphenyl		0.922	0.000	100.0#	0#	-7.07#
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.46#
29	l1	chlordane-1	*	1000.000	0.000	100.0#	0	-2.98#
30	l1	chlordane-3	*	1000.000	0.000	100.0#	0	-3.61#
31	l1	chlordane-4	*	1000.000	0.000	100.0#	0	-4.31#
32	l1	chlordane-5	*	1000.000	0.000	100.0#	0	-4.47#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-28.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 17:43
Operator : PEST11:akm
Sample : cicvtox,42e,,pp 11899 L2.0ICV
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 13:05:09 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 13:05:09 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.373	1.454	347.5E6	186.5E6	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-28.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 17:43
Operator : PEST11:akm
Sample : cicvtox,42e,,pp 11899 L2.0ICV
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 13:05:09 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 13:05:09 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	4.600	5.251	1847.8E6	337.8E6	2000.158	2000.776
35) l2	toxaphene-3	4.721	5.281	1328.3E6	490.4E6	1970.358	1966.558
36) l2	toxaphene-4	4.938	5.590	1324.4E6	539.3E6	1891.155	1818.730
37) l2	toxaphene-5	5.306	5.995	1191.8E6	525.8E6	1898.270	1956.715
Sum	toxaphene-2			5692.3E6	1893.3E6	7759.940	7742.778
Average	toxaphene-2					1939.985	1935.695

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			5692.3E6	1893.3E6	7759.940	7742.778
Average	toxaphene-2					1939.985	1935.695

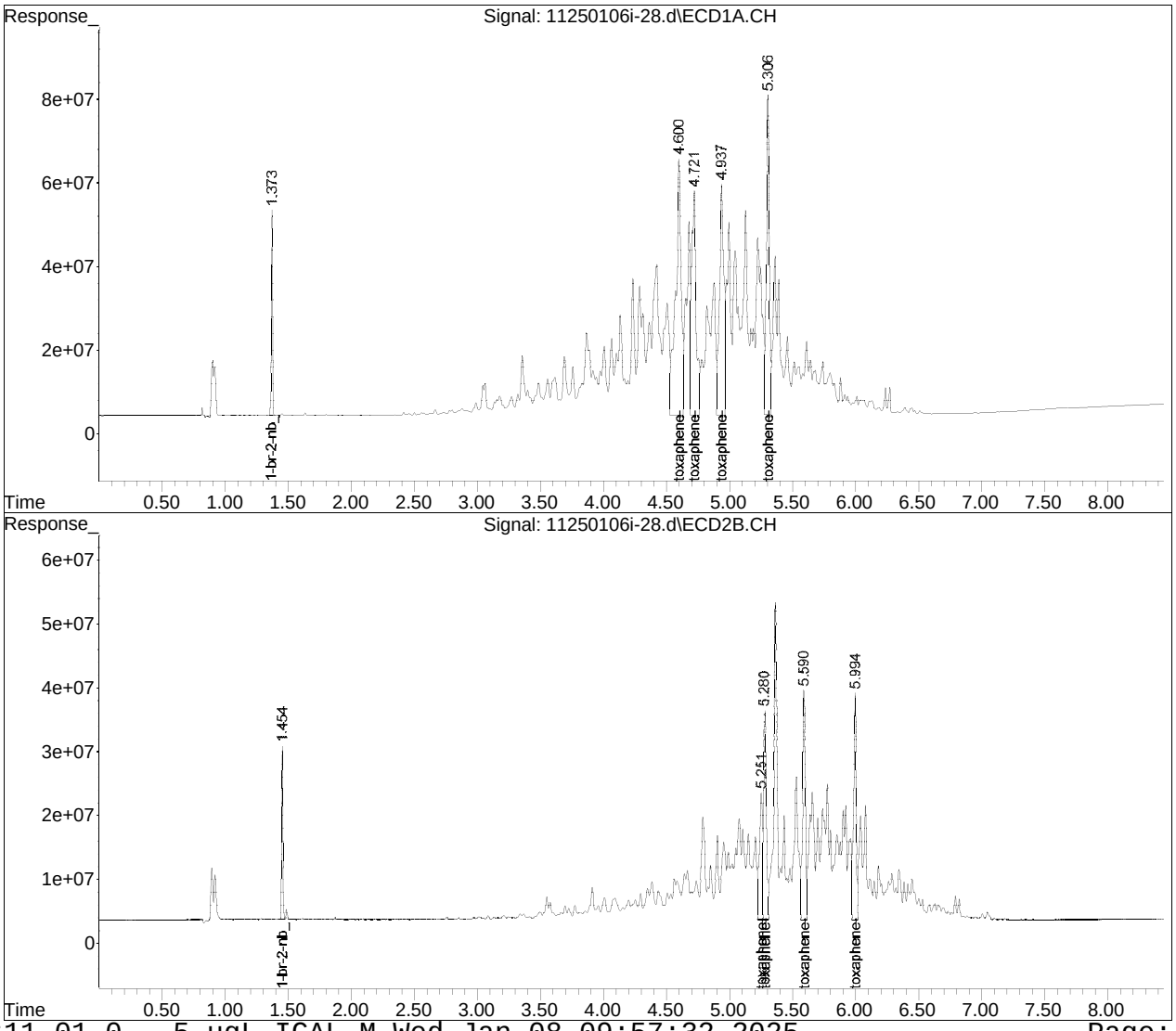
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2025\250106ICAL\
Data File : 11250106i-28.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06 Jan 2025 17:43
Operator : PEST11:akm
Sample : cicvtox,42e,,pp 11899 L2.0ICV
Misc : WG2017687,,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 07 13:05:09 2025
Quant Method : I:\PEST\Pest11\2025\250106ICAL\pest11_01_06_25_ugL_ICAL.M
Quant Title : pest
QLast Update : Tue Jan 07 13:05:09 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

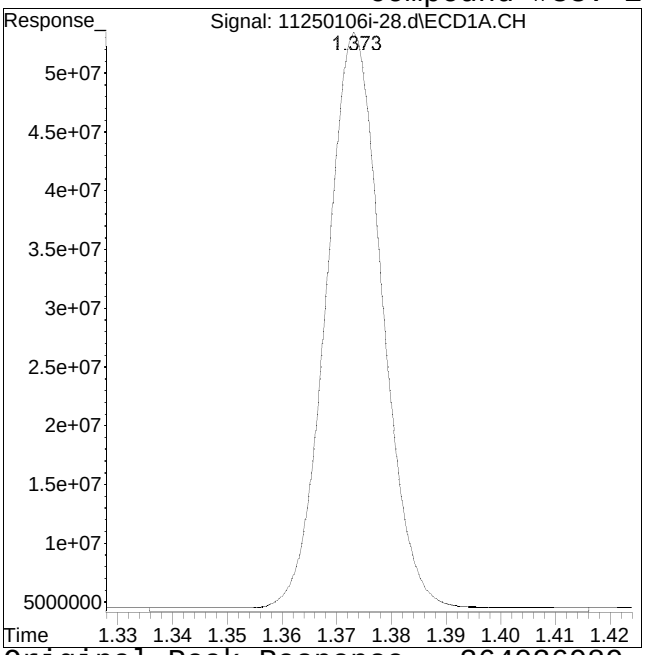
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

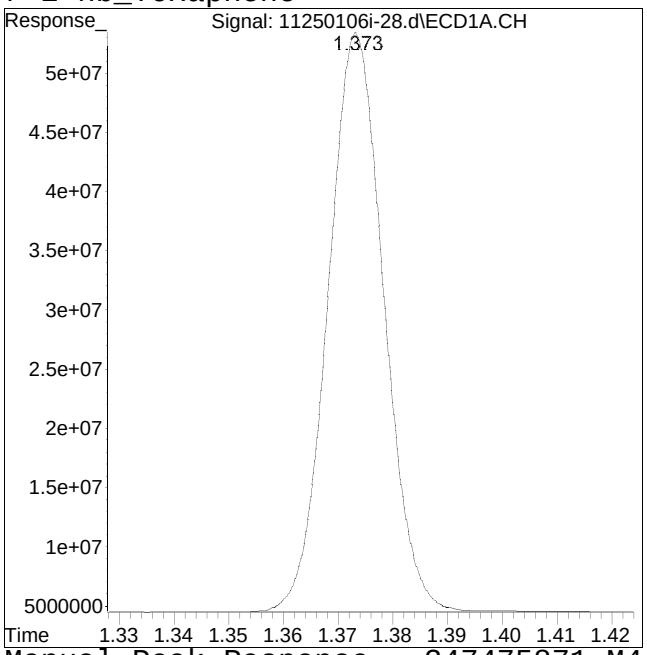


Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-28.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 17:43 Instrument : Pest 11
Sample : cicvtox,42e,,pp 11899 L2.0Quant Date : 1/7/2025 1:05 pm

Compound #33: 1-br-2-nb_Toxaphene



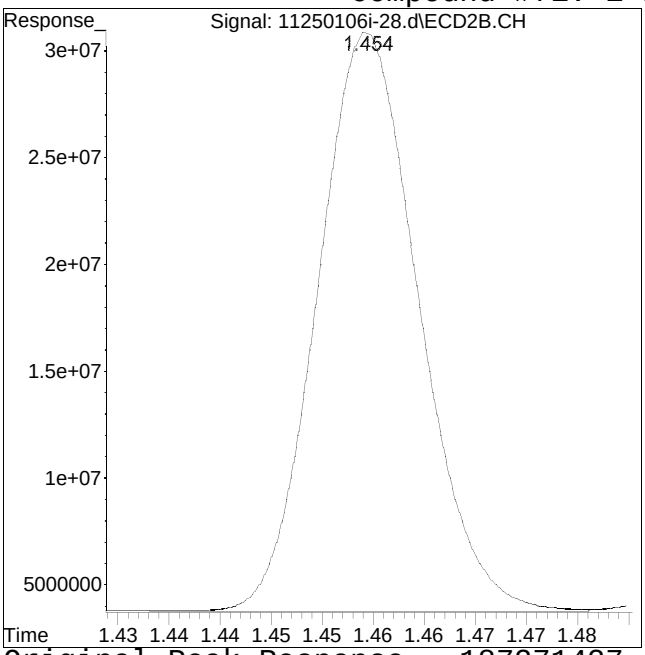


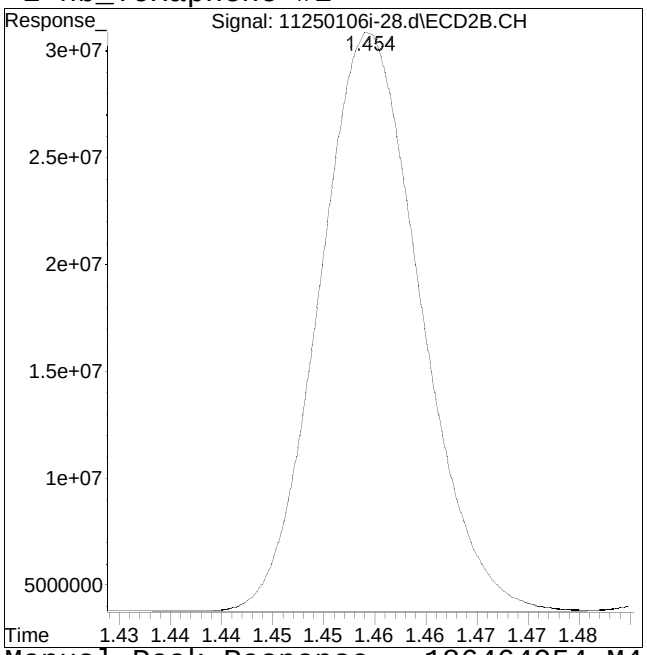
Original Peak Response = 364036989 Manual Peak Response = 347475871 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250106QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250106i-28.d Operator : PEST11:akm
Date Inj'd : 1/6/2025 17:43 Instrument : Pest 11
Sample : cicvtox,42e,,pp 11899 L2.0Quant Date : 1/7/2025 1:05 pm

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 187271427 Manual Peak Response = 186464954 M4
M4 = Poor automated baseline construction.

Evaluate Relative Error Report Pest 11

Method Path : I:\PEST\Pest11\2025\250106ICAL\
Method File : pest11_01_06_25_ugL_ICAL.M
Title : pest
Last Update : Tue Jan 07 13:04:52 2025

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
29	L1 chlordane-1	L	ug/l	1000.0	996.391	-0.4	10.00	10.298	3.0
30	L1 chlordane-3	L	ug/l	1000.0	1009.210	0.9	10.00	8.301	-17.0
31	L1 chlordane-4	L	ug/l	1000.0	1010.309	1.0	10.00	11.460	14.6
32	L1 chlordane-5	L	ug/l	1000.0	1015.215	1.5	10.00	11.466	14.7
44	T beta-BHC #2	L	ug/l	50.0	48.478	-3.0	1.00	0.907	-9.3
48	T Alachlor #2	L	ug/l	50.0	53.099	6.2	2.00	1.442	-27.9
60	T Endrin Aldehyde #2	L	ug/l	50.0	48.228	-3.5	1.00	0.970	-3.0
62	T Mirex #2	L	ug/l	50.0	49.416	-1.2	1.00	0.740	-26.0
67	L1 chlordane-1 #2	L	ug/l	1000.0	986.251	-1.4	10.00	7.879	-21.2
68	L1 chlordane-3 #2	L	ug/l	1000.0	997.318	-0.3	10.00	5.714	-42.9
69	L1 chlordane-4 #2	L	ug/l	1000.0	993.008	-0.7	10.00	9.782	-2.2
70	L1 chlordane-5 #2	L	ug/l	1000.0	992.151	-0.8	10.00	9.380	-6.2
72	L2 toxaphene-2 #2	L	ug/l	2000.0	2022.849	1.1	20.00	16.680	-16.6
73	L2 toxaphene-3 #2	L	ug/l	2000.0	2014.680	0.7	20.00	18.046	-9.8
74	L2 toxaphene-4 #2	L	ug/l	2000.0	1990.891	-0.5	20.00	17.311	-13.4
75	L2 toxaphene-5 #2	L	ug/l	2000.0	2010.225	0.5	20.00	18.643	-6.8

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
29	L1 chlordane-1	Linear	0.999727	0.000000	0.0483889	0.0025419
30	L1 chlordane-3	Linear	0.999571	0.000000	0.0554638	0.014092
31	L1 chlordane-4	Linear	0.999657	0.000000	0.213325	0.0229141
32	L1 chlordane-5	Linear	0.999694	0.000000	0.329311	0.0314041
44	T beta-BHC #2	Linear	0.999786	0.000000	0.585355	0.0105076
48	T Alachlor #2	Linear	0.996790	0.000000	0.169084	0.00932404
60	T Endrin Aldehyde #2	Linear	0.999839	0.000000	0.862601	0.0165298
62	T Mirex #2	Linear	0.999649	0.000000	0.811917	0.0252018
67	L1 chlordane-1 #2	Linear	0.998949	0.000000	0.0377524	0.0149976
68	L1 chlordane-3 #2	Linear	0.994265	0.000000	0.0438286	0.023786
69	L1 chlordane-4 #2	Linear	0.999828	0.000000	0.157555	0.0369056
70	L1 chlordane-5 #2	Linear	0.999681	0.000000	0.12101	0.0357029
72	L2 toxaphene-2 #2	Linear	0.999424	0.000000	0.0225387	0.00761364
73	L2 toxaphene-3 #2	Linear	0.999772	0.000000	0.0332748	0.0124144
74	L2 toxaphene-4 #2	Linear	0.999668	0.000000	0.0395423	0.0155328
75	L2 toxaphene-5 #2	Linear	0.999863	0.000000	0.0358636	0.0130309

Continuing Calibration

Calibration Verification Summary
Form 7
Pesticides

Client	: P. W. Grosser	**Lab Number**	: L2512368		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: PEST11	**Calibration Date**	: 03/08/25 05:58		
Lab File ID	: 11250308a-03	**Init. Calib. Date(s)**	: 01/06/25	01/06/25	
Sample No	: WG2038031-1	**Init. Calib. Times**	: 12:47	17:31	
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Pesticides	1	1	-	0	20	117	0
2,4,5,6-Tetrachloro-m-xylen	1.214	1.37	-	-12.9	20	132	0
Hexachlorobenzene	1.339	1.467	-	-9.6	20	133	0
alpha-BHC	1.626	2.036	-	-25.2*	20	135	0
gamma-BHC (lindane)	1.491	1.8	-	-20.7*	20	135	0
beta-BHC	0.694	0.754	-	-8.6	20	134	0
delta-BHC	1.501	1.841	-	-22.7*	20	135	0
Heptachlor	1.402	1.767	-	-26*	20	144	0
Aldrin	1.4	1.754	-	-25.3*	20	139	0
Alachlor	0.208	0.231	-	-11.1	20	136	0
Chlorpyrifos	0.763	0.834	-	-9.3	20	140	0
Heptachlor Epoxide	1.324	1.602	-	-21*	20	140	0
gamma-Chlordane (trans)	1.279	1.68	-	-31.4*	20	158	0
alpha-Chlordane (cis)	1.451	1.66	-	-14.4	20	136	0
4,4'-DDE	1.327	1.666	-	-25.5*	20	138	0
Endosulfan I	1.27	1.51	-	-18.9	20	138	0
Dieldrin	1.316	1.71	-	-29.9*	20	150	0
Endrin	1.275	1.596	-	-25.2*	20	141	0
4,4'-DDD	1.003	1.366	-	-36.2*	20	153	0
Endosulfan II	1.185	1.447	-	-22.1*	20	142	0
4,4'-DDT	1.089	1.362	-	-25.1*	20	148	0
Endrin Aldehyde	0.983	1.115	-	-13.4	20	130	0
Methoxychlor	0.614	0.791	-	-28.8*	20	157	0
Mirex	1.142	1.258	-	-10.2	20	141	0
Endosulfan Sulfate	1.182	1.486	-	-25.7*	20	147	0
Endrin Ketone	1.179	1.614	-	-36.9*	20	158	0
Decachlorobiphenyl	1.15	1.211	-	-5.3	20	132	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: P. W. Grosser	**Lab Number**	: L2512368		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: PEST11	**Calibration Date**	: 03/08/25 05:58		
Lab File ID	: 11250308a-03	**Init. Calib. Date(s)**	: 01/06/25	01/06/25	
Sample No	: WG2038031-1	**Init. Calib. Times**	: 12:47	17:31	
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Pesticides	1	1	-	0	20	118	0
2,4,5,6-Tetrachloro-m-xyl	1.044	1.1	-	-5.4	20	136	0
Hexachlorobenzene	1.181	1.183	-	-0.2	20	136	0
alpha-BHC	1.456	1.65	-	-13.3	20	138	0
gamma-BHC (lindane)	1.401	1.475	-	-5.3	20	135	0
beta-BHC	50	52.053	-	-4.1	20	131	0
delta-BHC	1.381	1.519	-	-10	20	137	0
Heptachlor	1.405	1.464	-	-4.2	20	136	0
Aldrin	1.255	1.369	-	-9.1	20	138	0
Alachlor	50	60.072	-	-20.1*	20	138	0
Chlorpyrifos	0.788	0.724	-	8.1	20	136	0
Heptachlor Epoxide	1.27	1.279	-	-0.7	20	134	0
gamma-Chlordane (trans)	1.131	1.295	-	-14.5	20	153	0
alpha-Chlordane (cis)	1.259	1.267	-	-0.6	20	134	0
4,4'-DDE	1.178	1.253	-	-6.4	20	134	0
Endosulfan I	1.169	1.178	-	-0.8	20	134	0
Dieldrin	1.162	1.317	-	-13.3	20	146	0
Endrin	1.169	1.264	-	-8.1	20	137	0
4,4'-DDD	0.946	1.064	-	-12.5	20	143	0
Endosulfan II	1.074	1.115	-	-3.8	20	137	0
4,4'-DDT	1.077	1.136	-	-5.5	20	136	0
Endrin Aldehyde	50	48.896	-	2.2	20	124	0
Methoxychlor	0.615	0.63	-	-2.4	20	140	0
Mirex	50	53.424	-	-6.8	20	132	0
Endosulfan Sulfate	1.058	1.105	-	-4.4	20	141	0
Endrin Ketone	1.11	1.234	-	-11.2	20	145	0
Decachlorobiphenyl	0.922	0.756	-	18	20	113	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: P. W. Grosser		**Lab Number**	: L2512368	
Project Name	: ROANOKE SAND AND GRAVEL		**Project Number**	: BSD1504	
Instrument ID	: PEST11		**Calibration Date**	: 03/08/25 06:10	
Lab File ID	: 11250308a-04		**Init. Calib. Date(s)**	: 01/06/25	01/06/25
Sample No	: WG2038031-2		**Init. Calib. Times**	: 12:47	17:31
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Chlordane	1	1	-	0	20	114	0
chlordane-1	1000	872.434	-	12.8	20	102	0
chlordane-3	1000	895.753	-	10.4	20	103	0
chlordane-4	1000	893.709	-	10.6	20	103	0
chlordane-5	1000	906.9	-	9.3	20	104	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: P. W. Grosser		**Lab Number**	: L2512368	
Project Name	: ROANOKE SAND AND GRAVEL		**Project Number**	: BSD1504	
Instrument ID	: PEST11		**Calibration Date**	: 03/08/25 06:10	
Lab File ID	: 11250308a-04		**Init. Calib. Date(s)**	: 01/06/25	01/06/25
Sample No	: WG2038031-2		**Init. Calib. Times**	: 12:47	17:31
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Chlordane	1	1	-	0	20	120	0
chlordane-1	1000	854.902	-	14.5	20	103	0
chlordane-3	1000	860.913	-	13.9	20	102	0
chlordane-4	1000	855.403	-	14.5	20	102	0
chlordane-5	1000	851.082	-	14.9	20	101	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: P. W. Grosser	**Lab Number**	: L2512368		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: PEST11	**Calibration Date**	: 03/08/25 06:22		
Lab File ID	: 11250308a-05	**Init. Calib. Date(s)**	: 01/06/25	01/06/25	
Sample No	: WG2038031-3	**Init. Calib. Times**	: 12:47	17:31	
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Toxaphene	1	1	-	0	20	100	0
toxaphene-2	0.066	0.086	-	-30.3*	20	125	0
toxaphene-3	0.049	0.06	-	-22.4*	20	113	0
toxaphene-4	0.05	0.061	-	-22*	20	117	0
toxaphene-5	0.045	0.056	-	-24.4*	20	120	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: P. W. Grosser	**Lab Number**	: L2512368		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: PEST11	**Calibration Date**	: 03/08/25 06:22		
Lab File ID	: 11250308a-05	**Init. Calib. Date(s)**	: 01/06/25	01/06/25	
Sample No	: WG2038031-3	**Init. Calib. Times**	: 12:47	17:31	
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Toxaphene	1	1	-	0	20	109	0
toxaphene-2	2000	1978.996	-	1.1	20	104	0
toxaphene-3	2000	1981.187	-	0.9	20	105	0
toxaphene-4	2000	1870.392	-	6.5	20	100	0
toxaphene-5	2000	1976.74	-	1.2	20	105	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: P. W. Grosser	**Lab Number**	: L2512368		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: PEST20	**Calibration Date**	: 03/09/25 11:21		
Lab File ID	: 20250308a-03	**Init. Calib. Date(s)**	: 01/03/25	01/03/25	
Sample No	: WG2038287-1	**Init. Calib. Times**	: 12:04	17:02	
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Pesticides	1	1	-	0	20	122	0
2,4,5,6-Tetrachloro-m-xylen	1.173	1.235	-	-5.3	20	134	0
Hexachlorobenzene	1.275	1.291	-	-1.3	20	136	0
alpha-BHC	1.456	1.603	-	-10.1	20	134	0
gamma-BHC (lindane)	1.399	1.424	-	-1.8	20	131	0
beta-BHC	0.673	0.65	-	3.4	20	131	0
delta-BHC	1.367	1.446	-	-5.8	20	132	0
Heptachlor	1.361	1.262	-	7.3	20	120	0
Aldrin	1.29	1.348	-	-4.5	20	132	0
Alachlor	0.231	0.239	-	-3.5	20	138	0
Chlorpyrifos	50	56.823	-	-13.6	20	128	0
Heptachlor Epoxide	1.249	1.24	-	0.7	20	129	0
gamma-Chlordane (trans)	1.14	1.237	-	-8.5	20	141	0
alpha-Chlordane (cis)	1.3	1.229	-	5.5	20	123	0
4,4'-DDE	1.256	1.212	-	3.5	20	120	0
Endosulfan I	1.202	1.14	-	5.2	20	123	0
Dieldrin	1.238	1.284	-	-3.7	20	132	0
Endrin	1.27	1.219	-	4	20	122	0
4,4'-DDD	1.01	1.002	-	0.8	20	124	0
Endosulfan II	1.112	1.054	-	5.2	20	122	0
4,4'-DDT	1.094	0.835	-	23.7*	20	96	0
Endrin Aldehyde	50	46.868	-	6.3	20	109	0
Methoxychlor	0.632	0.461	-	27.1*	20	94	0
Mirex	50	51.183	-	-2.4	20	116	0
Endosulfan Sulfate	1.066	0.994	-	6.8	20	123	0
Endrin Ketone	1.216	1.109	-	8.8	20	118	0
Decachlorobiphenyl	50	52.097	-	-4.2	20	118	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: P. W. Grosser	**Lab Number**	: L2512368		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: PEST20	**Calibration Date**	: 03/09/25 11:21		
Lab File ID	: 20250308a-03	**Init. Calib. Date(s)**	: 01/03/25	01/03/25	
Sample No	: WG2038287-1	**Init. Calib. Times**	: 12:04	17:02	
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Pesticides	1	1	-	0	20	97	0
2,4,5,6-Tetrachloro-m-xyl	1.114	1.185	-	-6.4	20	106	0
Hexachlorobenzene	1.189	1.242	-	-4.5	20	109	0
alpha-BHC	1.411	1.594	-	-13	20	106	0
gamma-BHC (lindane)	1.343	1.426	-	-6.2	20	104	0
beta-BHC	0.637	0.645	-	-1.3	20	104	0
delta-BHC	1.307	1.441	-	-10.3	20	105	0
Heptachlor	1.281	1.273	-	0.6	20	99	0
Aldrin	1.197	1.321	-	-10.4	20	106	0
Alachlor	0.192	0.196	-	-2.1	20	101	0
Chlorpyrifos	0.634	0.611	-	3.6	20	102	0
Heptachlor Epoxide	1.164	1.237	-	-6.3	20	105	0
gamma-Chlordane (trans)	1.06	1.214	-	-14.5	20	113	0
alpha-Chlordane (cis)	1.191	1.193	-	-0.2	20	100	0
4,4'-DDE	1.107	1.14	-	-3	20	97	0
Endosulfan I	1.116	1.128	-	-1.1	20	100	0
Dieldrin	1.141	1.25	-	-9.6	20	106	0
Endrin	1.205	1.178	-	2.2	20	97	0
4,4'-DDD	0.878	0.947	-	-7.9	20	102	0
Endosulfan II	1.033	1.063	-	-2.9	20	101	0
4,4'-DDT	1.032	0.848	-	17.8	20	79	0
Endrin Aldehyde	0.816	0.752	-	7.8	20	86	0
Methoxychlor	0.555	0.446	-	19.6	20	79	0
Mirex	0.915	0.84	-	8.2	20	95	0
Endosulfan Sulfate	0.983	0.982	-	0.1	20	100	0
Endrin Ketone	1.125	1.135	-	-0.9	20	99	0
Decachlorobiphenyl	0.927	0.913	-	1.5	20	101	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: P. W. Grosser	**Lab Number**	: L2512368		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: PEST20	**Calibration Date**	: 03/09/25 11:45		
Lab File ID	: 20250308a-05	**Init. Calib. Date(s)**	: 01/03/25	01/03/25	
Sample No	: WG2038287-3	**Init. Calib. Times**	: 12:04	17:02	
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Toxaphene	1	1	-	0	20	122	0
toxaphene-1	0.065	0.061	-	6.2	20	116	0
toxaphene-2	0.038	0.032	-	15.8	20	103	0
toxaphene-4	0.055	0.039	-	29.1*	20	90	0
toxaphene-5	0.046	0.036	-	21.7*	20	99	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: P. W. Grosser	**Lab Number**	: L2512368		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: PEST20	**Calibration Date**	: 03/09/25 11:45		
Lab File ID	: 20250308a-05	**Init. Calib. Date(s)**	: 01/03/25	01/03/25	
Sample No	: WG2038287-3	**Init. Calib. Times**	: 12:04	17:02	
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Toxaphene	1	1	-	0	20	95	0
toxaphene-1	0.024	0.024	-	0	20	95	0
toxaphene-2	0.036	0.034	-	5.6	20	93	0
toxaphene-4	0.042	0.036	-	14.3	20	83	0
toxaphene-5	0.04	0.034	-	15	20	84	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: P. W. Grosser	**Lab Number**	: L2512368		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: PEST20	**Calibration Date**	: 03/09/25 12:22		
Lab File ID	: 20250308a-07	**Init. Calib. Date(s)**	: 01/03/25	01/03/25	
Sample No	: WG2038287-2	**Init. Calib. Times**	: 12:04	17:02	
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Chlordane	1	1	-	0	20	122	0
chlordane-1	1000	891.955	-	10.8	20	110	0
chlordane-3	1000	891.036	-	10.9	20	108	0
chlordane-4	1000	855.015	-	14.5	20	104	0
chlordane-5	1000	844.316	-	15.6	20	103	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: P. W. Grosser	**Lab Number**	: L2512368		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: PEST20	**Calibration Date**	: 03/09/25 12:22		
Lab File ID	: 20250308a-07	**Init. Calib. Date(s)**	: 01/03/25	01/03/25	
Sample No	: WG2038287-2	**Init. Calib. Times**	: 12:04	17:02	
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Chlordane	1	1	-	0	20	99	0
chlordane-1	1000	906.068	-	9.4	20	87	0
chlordane-3	1000	927.629	-	7.2	20	88	0
chlordane-4	1000	872.021	-	12.8	20	83	0
chlordane-5	1000	880.456	-	12	20	83	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: P. W. Grosser	**Lab Number**	: L2512368		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: PEST10	**Calibration Date**	: 03/10/25 06:00		
Lab File ID	: 10250310a-03	**Init. Calib. Date(s)**	: 12/12/24	12/13/24	
Sample No	: WG2038433-1	**Init. Calib. Times**	: 19:45	00:10	
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Pesticides	1	1	-	0	20	101	0
2,4,5,6-Tetrachloro-m-xylen	1.885	1.424	-	24.5*	20	81	0
Hexachlorobenzene	1.913	1.521	-	20.5*	20	84	0
alpha-BHC	1.862	1.771	-	4.9	20	98	0
gamma-BHC (lindane)	1.826	1.54	-	15.7	20	98	0
beta-BHC	50	54.247	-	-8.5	20	99	0
delta-BHC	1.752	1.62	-	7.5	20	98	0
Heptachlor	1.573	1.295	-	17.7	20	92	0
Aldrin	1.839	1.646	-	10.5	20	94	0
Alachlor	0.232	0.204	-	12.1	20	90	0
Chlorpyrifos	0.768	0.62	-	19.3	20	92	0
Heptachlor Epoxide	1.68	1.431	-	14.8	20	95	0
gamma-Chlordane (trans)	1.573	1.517	-	3.6	20	105	0
alpha-Chlordane (cis)	50	50.301	-	-0.6	20	90	0
4,4'-DDE	1.911	1.569	-	17.9	20	86	0
Endosulfan I	1.681	1.384	-	17.7	20	92	0
Dieldrin	1.705	1.566	-	8.2	20	98	0
Endrin	1.592	1.394	-	12.4	20	94	0
4,4'-DDD	1.191	1.105	-	7.2	20	100	0
Endosulfan II	1.465	1.302	-	11.1	20	94	0
4,4'-DDT	1.13	0.948	-	16.1	20	87	0
Endrin Aldehyde	1.264	0.969	-	23.3*	20	82	0
Methoxychlor	50	45.437	-	9.1	20	86	0
Mirex	50	49.382	-	1.2	20	92	0
Endosulfan Sulfate	1.465	1.212	-	17.3	20	94	0
Endrin Ketone	1.441	1.339	-	7.1	20	102	0
Decachlorobiphenyl	50	45.44	-	9.1	20	84	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: P. W. Grosser	**Lab Number**	: L2512368		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: PEST10	**Calibration Date**	: 03/10/25 06:00		
Lab File ID	: 10250310a-03	**Init. Calib. Date(s)**	: 12/12/24	12/13/24	
Sample No	: WG2038433-1	**Init. Calib. Times**	: 19:45	00:10	
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Pesticides	1	1	-	0	20	113	0
2,4,5,6-Tetrachloro-m-xyl	1.353	1.238	-	8.5	20	106	0
Hexachlorobenzene	1.474	1.347	-	8.6	20	107	0
alpha-BHC	1.765	1.744	-	1.2	20	107	0
gamma-BHC (lindane)	1.651	1.548	-	6.2	20	106	0
beta-BHC	0.753	0.686	-	8.9	20	109	0
delta-BHC	1.657	1.634	-	1.4	20	109	0
Heptachlor	1.607	1.415	-	11.9	20	101	0
Aldrin	1.709	1.591	-	6.9	20	103	0
Alachlor	0.223	0.212	-	4.9	20	110	0
Chlorpyrifos	0.831	0.684	-	17.7	20	102	0
Heptachlor Epoxide	1.611	1.438	-	10.7	20	103	0
gamma-Chlordane (trans)	1.492	1.504	-	-0.8	20	116	0
alpha-Chlordane (cis)	1.69	1.5	-	11.2	20	101	0
4,4'-DDE	1.69	1.514	-	10.4	20	98	0
Endosulfan I	1.548	1.372	-	11.4	20	101	0
Dieldrin	1.593	1.568	-	1.6	20	110	0
Endrin	1.571	1.449	-	7.8	20	102	0
4,4'-DDD	1.24	1.212	-	2.3	20	109	0
Endosulfan II	1.422	1.324	-	6.9	20	105	0
4,4'-DDT	1.339	1.119	-	16.4	20	94	0
Endrin Aldehyde	1.202	0.973	-	19.1	20	92	0
Methoxychlor	0.741	0.622	-	16.1	20	99	0
Mirex	1.292	1.087	-	15.9	20	102	0
Endosulfan Sulfate	1.36	1.227	-	9.8	20	107	0
Endrin Ketone	1.515	1.469	-	3	20	111	0
Decachlorobiphenyl	50	46.304	-	7.4	20	100	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: P. W. Grosser	**Lab Number**	: L2512368		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: PEST10	**Calibration Date**	: 03/10/25 06:22		
Lab File ID	: 10250310a-05	**Init. Calib. Date(s)**	: 12/12/24	12/13/24	
Sample No	: WG2038433-3	**Init. Calib. Times**	: 19:45	00:10	
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Toxaphene	1	1	-	0	20	91	0
toxaphene-1	2000	2153.039	-	-7.7	20	91	0
toxaphene-2	2000	1968.946	-	1.6	20	83	0
toxaphene-4	2000	1980.969	-	1	20	84	0
toxaphene-5	2000	2002.159	-	-0.1	20	84	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: P. W. Grosser	**Lab Number**	: L2512368		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: PEST10	**Calibration Date**	: 03/10/25 06:22		
Lab File ID	: 10250310a-05	**Init. Calib. Date(s)**	: 12/12/24	12/13/24	
Sample No	: WG2038433-3	**Init. Calib. Times**	: 19:45	00:10	
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Toxaphene	1	1	-	0	20	99	0
toxaphene-1	2000	1953.434	-	2.3	20	95	0
toxaphene-2	2000	2004.71	-	-0.2	20	96	0
toxaphene-4	2000	1839.144	-	8	20	88	0
toxaphene-5	2000	1919.404	-	4	20	92	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: P. W. Grosser	**Lab Number**	: L2512368		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: PEST10	**Calibration Date**	: 03/10/25 06:52		
Lab File ID	: 10250310a-07	**Init. Calib. Date(s)**	: 12/12/24	12/13/24	
Sample No	: WG2038433-2	**Init. Calib. Times**	: 19:45	00:10	
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Chlordane	1	1	-	0	20	97	0
chlordane-1	1000	1122.662	-	-12.3	20	107	0
chlordane-3	1000	1132.817	-	-13.3	20	107	0
chlordane-4	1000	1142.613	-	-14.3	20	106	0
chlordane-5	1000	1269.569	-	-27*	20	117	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: P. W. Grosser		**Lab Number**	: L2512368	
Project Name	: ROANOKE SAND AND GRAVEL		**Project Number**	: BSD1504	
Instrument ID	: PEST10		**Calibration Date**	: 03/10/25 06:52	
Lab File ID	: 10250310a-07		**Init. Calib. Date(s)**	: 12/12/24	12/13/24
Sample No	: WG2038433-2		**Init. Calib. Times**	: 19:45	00:10
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Chlordane	1	1	-	0	20	112	0
chlordane-1	1000	1097.833	-	-9.8	20	119	0
chlordane-3	1000	1014.682	-	-1.5	20	108	0
chlordane-4	1000	1012.948	-	-1.3	20	108	0
chlordane-5	1000	977.831	-	2.2	20	105	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 08 Mar 2025   5:58
Operator : PEST11:peg
Sample   : wg2038031-1,42,,pest11934 (Sig #1); pest11934 (Sig #2)
Misc   : wg2038031,,ical21853
ALS Vial : 3 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 06:55:36 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 06:55:28 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	117	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.214	1.370	-12.9	132	0.00
3	t	Hexachlorobenzene		1.339	1.467	-9.6	133	0.00
4	t	alpha-BHC		1.626	2.036	-25.2#	135	0.00
5	t	gamma-BHC (lindane)		1.491	1.800	-20.7#	135	0.00
6	t	beta-BHC		0.694	0.754	-8.6	134	0.00
7	t	delta-BHC		1.501	1.841	-22.7#	135	0.00
8	t	Heptachlor		1.402	1.767	-26.0#	144	0.00
9	t	Aldrin		1.400	1.754	-25.3#	139	0.00
10	t	Alachlor		0.208	0.231	-11.1	136	0.00
11	t	Chlorpyrifos		0.763	0.834	-9.3	140	0.00
12	t	Heptachlor Epoxide		1.324	1.602	-21.0#	140	0.00
13	t	gamma-Chlordane (trans)		1.279	1.680	-31.4#	158#	0.00
14	t	alpha-Chlordane (cis)		1.451	1.660	-14.4	136	0.00
15	t	4,4'-DDE		1.327	1.666	-25.5#	138	0.00
16	t	Endosulfan I		1.270	1.510	-18.9	138	0.00
17	t	Dieldrin		1.316	1.710	-29.9#	150	0.00
18	t	Endrin		1.275	1.596	-25.2#	141	0.00
19	t	4,4'-DDD		1.003	1.366	-36.2#	153#	0.00
20	t	Endosulfan II		1.185	1.447	-22.1#	142	0.00
21	t	4,4'-DDT		1.089	1.362	-25.1#	148	0.00
22	t	Endrin Aldehyde		0.983	1.115	-13.4	130	0.00
23	t	Methoxychlor		0.614	0.791	-28.8#	157#	0.00
24	t	Mirex		1.142	1.258	-10.2	141	0.00
25	t	Endosulfan Sulfate		1.182	1.486	-25.7#	147	0.00
26	t	Endrin Ketone		1.179	1.614	-36.9#	158#	0.00
27	s	Decachlorobiphenyl		1.150	1.211	-5.3	132	0.00

Signal #2

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 08 Mar 2025   5:58
Operator : PEST11:peg
Sample   : wg2038031-1,42,,pest11934 (Sig #1); pest11934 (Sig #2)
Misc   : wg2038031,,ical21853
ALS Vial : 3 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 06:55:36 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 06:55:28 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	118	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl		1.044	1.100	-5.4	136	0.00
3	t	Hexachlorobenzene		1.181	1.183	-0.2	136	0.00
4	t	alpha-BHC		1.456	1.650	-13.3	138	0.00
5	t	gamma-BHC (lindane)		1.401	1.475	-5.3	135	0.00
6	t	beta-BHC	*	50.000	52.053	-4.1	131	0.00
7	t	delta-BHC		1.381	1.519	-10.0	137	0.00
8	t	Heptachlor		1.405	1.464	-4.2	136	0.00
9	t	Aldrin		1.255	1.369	-9.1	138	0.00
10	t	Alachlor	*	50.000	60.072	-20.1	138	0.00
11	t	Chlorpyrifos		0.788	0.724	8.1	136	0.00
12	t	Heptachlor Epoxide		1.270	1.279	-0.7	134	0.00
13	t	gamma-Chlordane (trans)		1.131	1.295	-14.5	153#	0.00
14	t	alpha-Chlordane (cis)		1.259	1.267	-0.6	134	0.00
15	t	4,4'-DDE		1.178	1.253	-6.4	134	0.00
16	t	Endosulfan I		1.169	1.178	-0.8	134	0.00
17	t	Dieldrin		1.162	1.317	-13.3	146	0.00
18	t	Endrin		1.169	1.264	-8.1	137	0.00
19	t	4,4'-DDD		0.946	1.064	-12.5	143	0.00
20	t	Endosulfan II		1.074	1.115	-3.8	137	0.00
21	t	4,4'-DDT		1.077	1.136	-5.5	136	0.00
22	t	Endrin Aldehyde	*	50.000	48.896	2.2	124	0.00
23	t	Methoxychlor		0.615	0.630	-2.4	140	0.00
24	t	Mirex	*	50.000	53.424	-6.8	132	0.00
25	t	Endosulfan Sulfate		1.058	1.105	-4.4	141	0.00
26	t	Endrin Ketone		1.110	1.234	-11.2	145	0.00
27	s	Decachlorobiphenyl		0.922	0.756	18.0	113	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 08 Mar 2025   5:58
Operator : PEST11:peg
Sample   : wg2038031-1,42,,pest11934 (Sig #1); pest11934 (Sig #2)
Misc   : wg2038031,,ical21853
ALS Vial : 3 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 06:55:36 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 06:55:28 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.29#
29	l1	chlordane-1		*1000.000	0.000	100.0#	0	-2.44#
30	l1	chlordane-3		*1000.000	0.000	100.0#	0	-2.87#
31	l1	chlordane-4		*1000.000	0.000	100.0#	0	-3.43#
32	l1	chlordane-5		*1000.000	0.000	100.0#	0	-3.56#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.29#
34	l2	toxaphene-2		0.066	0.000	100.0#	0#	-4.45#
35	l2	toxaphene-3		0.049	0.000	100.0#	0#	-4.58#
36	l2	toxaphene-4		0.050	0.000	100.0#	0#	-4.80#
37	l2	toxaphene-5		0.045	0.000	100.0#	0#	-5.18#

Signal #2

28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.37#
29	l1	chlordane-1		*1000.000	0.000	100.0#	0	-2.83#
30	l1	chlordane-3		*1000.000	0.000	100.0#	0	-3.45#
31	l1	chlordane-4		*1000.000	0.000	100.0#	0	-4.14#
32	l1	chlordane-5		*1000.000	0.000	100.0#	0	-4.31#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.37#
34	l2	toxaphene-2		*2000.000	0.000	100.0#	0	-5.12#
35	l2	toxaphene-3		*2000.000	0.000	100.0#	0	-5.15#
36	l2	toxaphene-4		*2000.000	0.000	100.0#	0	-5.47#
37	l2	toxaphene-5		*2000.000	0.000	100.0#	0	-5.88#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 5:58
Operator : PEST11:peg
Sample : wg2038031-1,42,,pest11934 (Sig #1); pest11934 (Sig #2)
Misc : wg2038031,,ical21853
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 06:55:36 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 06:55:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.292	1.369	378.3E6	220.5E6	25.000M4	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.638	1.855	1036.1E6	485.1E6	56.422M4	52.667
	Spiked Amount 50.000	Range 30 - 150		Recovery =		112.84%	105.33%
27) s	Decachlorobi	6.305	6.962	916.5E6	333.3E6	52.669M4	41.002M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		105.34%	82.00%
	Target Compounds						
3) t	Hexachlorobe	1.854	2.180	1110.2E6	521.6E6	54.810M4	50.062M4
4) t	alpha-BHC	1.953	2.278	1540.4E6	727.7E6	62.597M4	56.653M4
5) t	gamma-BHC (l	2.158	2.568	1361.5E6	650.5E6	60.341M4	52.623M4
6) t	beta-BHC	2.215	2.634	570.3E6	271.1E6	54.348M4	52.053M4
7) t	delta-BHC	2.345	2.905	1392.5E6	669.8E6	61.319M4	54.978M4
8) t	Heptachlor	2.509	2.972	1336.6E6	645.9E6	63.006M4	52.105M4
9) t	Aldrin	2.754	3.296	1326.9E6	603.8E6	62.656M4	54.530
10) t	Alachlor	2.877	3.178	175.0E6	91644834	55.517M4	60.072M4
11) t	Chlorpyrifos	2.970	3.538	631.1E6	319.5E6	54.699M4	45.968M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 5:58
Operator : PEST11:peg
Sample : wg2038031-1,42,,pest11934 (Sig #1); pest11934 (Sig #2)
Misc : wg2038031,,ical21853
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 06:55:36 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 06:55:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.303	3.920	1212.3E6	564.0E6	60.503M4	50.353
13)	t	gamma-Chlord	3.429	4.143	1271.1E6	571.0E6	65.664M4	57.249M4
14)	t	alpha-Chlord	3.564	4.313	1255.5E6	558.8E6	57.187M3	50.339M4
15)	t	4,4'-DDE	3.663	4.510	1260.7E6	552.7E6	62.774M4	53.192M4
16)	t	Endosulfan I	3.701	4.373	1142.4E6	519.5E6	59.452M4	50.389
17)	t	Dieldrin	3.963	4.664	1293.7E6	580.8E6	64.981M4	56.645M4
18)	t	Endrin	4.220	4.961	1207.6E6	557.6E6	62.608M4	54.096
19)	t	4,4'-DDD	4.332	5.085	1033.6E6	469.3E6	68.071M4	56.273M4
20)	t	Endosulfan I	4.461	5.160	1094.4E6	491.9E6	61.054M4	51.919M4
21)	t	4,4'-DDT	4.627	5.363	1030.2E6	501.2E6	62.539M4	52.766M4
22)	t	Endrin Aldeh	4.880	5.458	843.5E6	375.7E6	56.730M3	48.896M4
23)	t	Methoxychlor	5.117	5.929	598.7E6	277.7E6	64.429M4	51.182
24)	t	Mirex	5.171	6.065	951.5E6	388.1E6	55.090M3	53.424
25)	t	Endosulfan S	5.274	5.687	1123.9E6	487.3E6	62.826M3	52.242M4
26)	t	Endrin Keton	5.500	6.100	1221.3E6	544.4E6	68.452M4	55.605
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 5:58
Operator : PEST11:peg
Sample : wg2038031-1,42,,pest11934 (Sig #1); pest11934 (Sig #2)
Misc : wg2038031,,ical21853
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 06:55:36 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 06:55:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

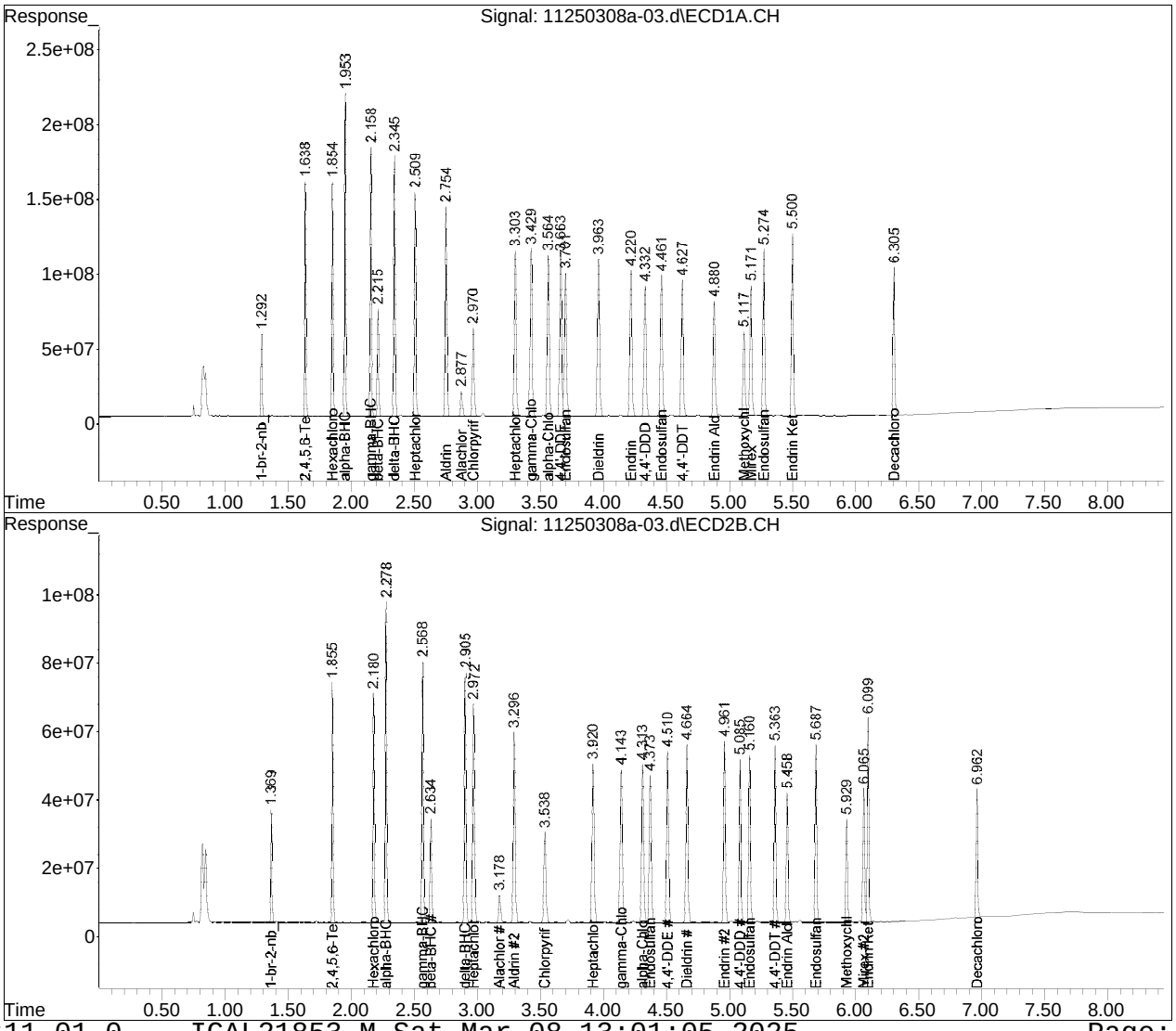
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 5:58
Operator : PEST11:peg
Sample : wg2038031-1,42,,pest11934 (Sig #1); pest11934 (Sig #2)
Misc : wg2038031,,ical21853
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 06:55:36 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 06:55:28 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

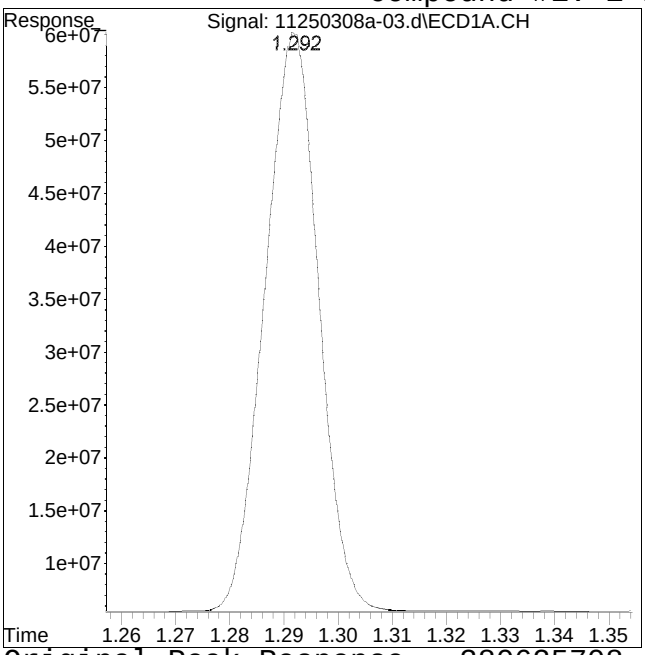
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

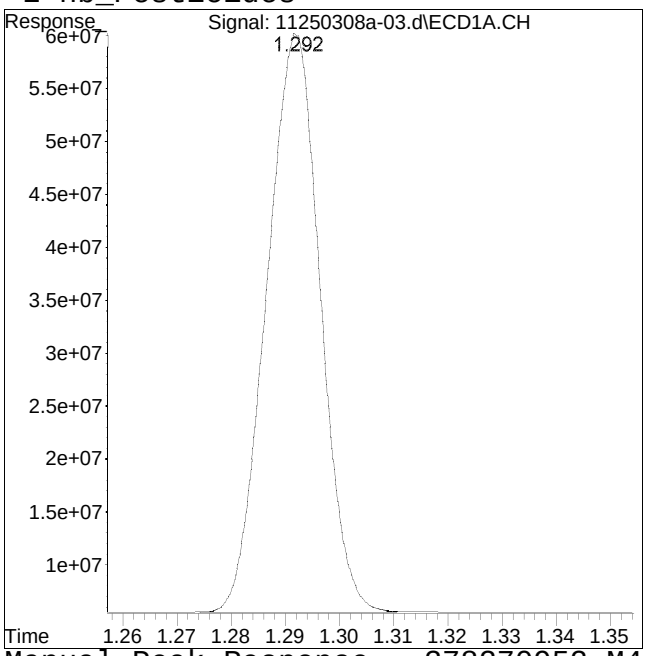


Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-03.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:58 Instrument : Pest 11
Sample : wg2038031-1,42,,pest11934 Quant Date : 3/8/2025 6:55 am

Compound #1: 1-br-2-nb_Pesticides





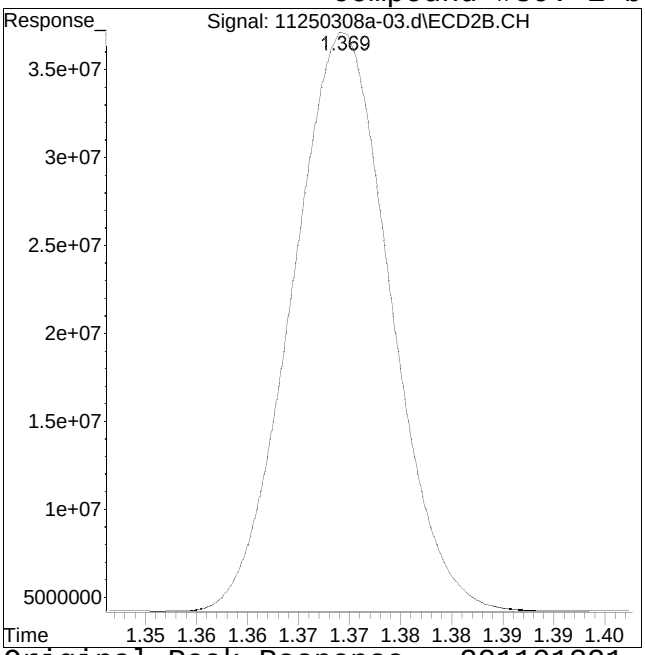
Original Peak Response = 380625708 Manual Peak Response = 378270952 M4
M4 = Poor automated baseline construction.

Manual Integration Report

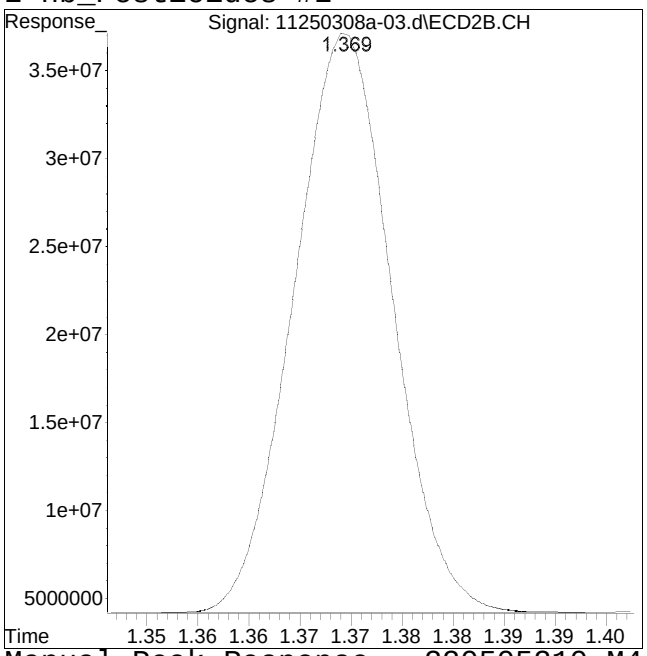
Data Path : I:\PEST\Pest11\2025\250308Q
Data File : 11250308a-03.d
Date Inj'd : 3/8/2025 5:58
Sample : wg2038031-1,42,,pest11934

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:peg
Instrument : Pest 11
Quant Date : 3/8/2025 6:55 am

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 221101321



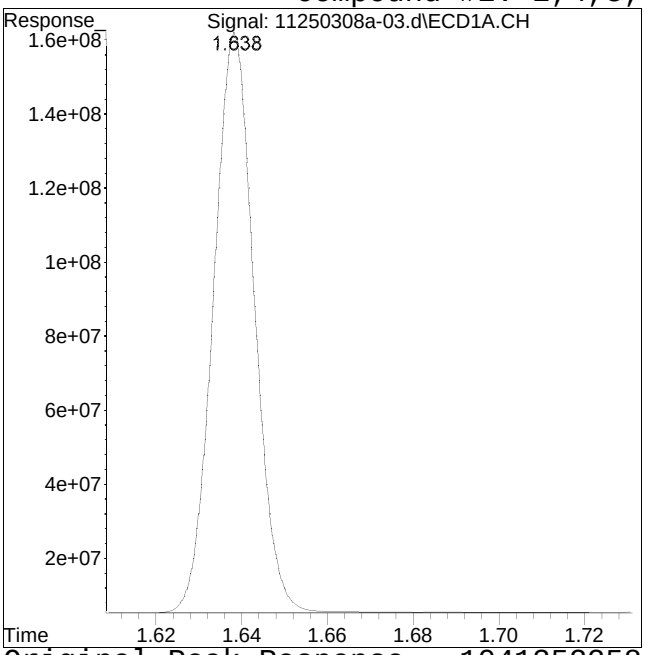
Manual Peak Response = 220505210 M4

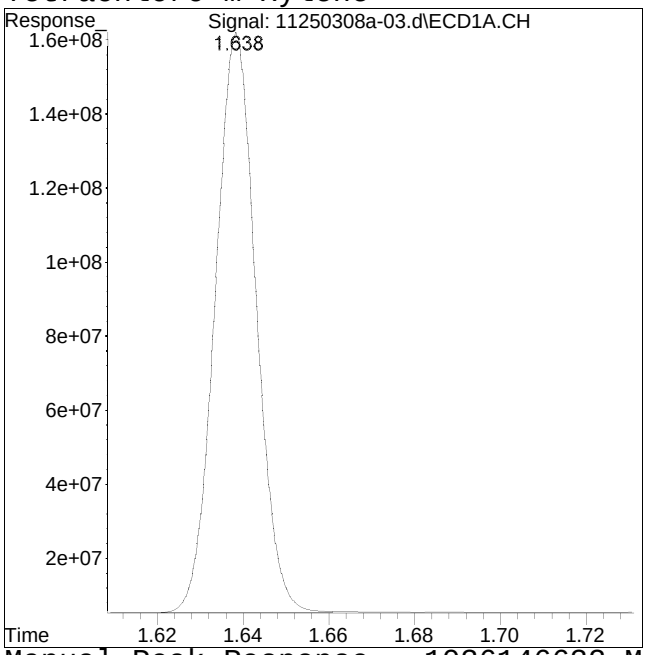
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-03.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:58 Instrument : Pest 11
Sample : wg2038031-1,42,,pest11934 Quant Date : 3/8/2025 6:55 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



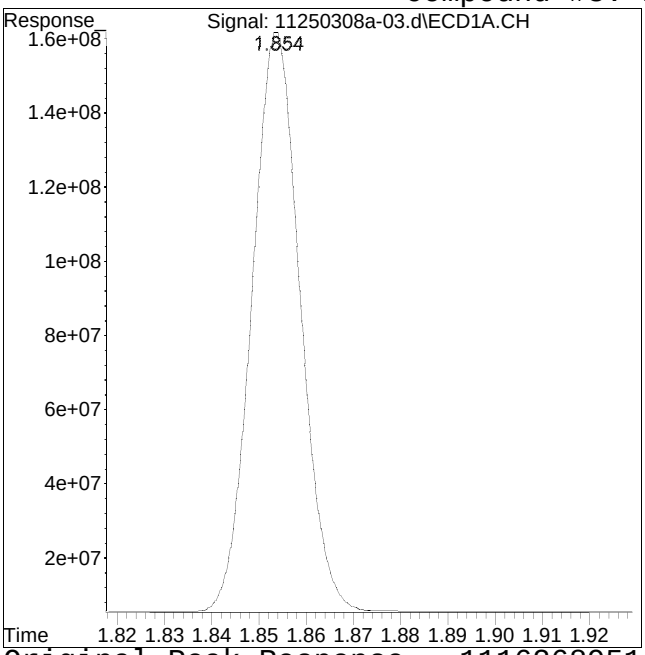


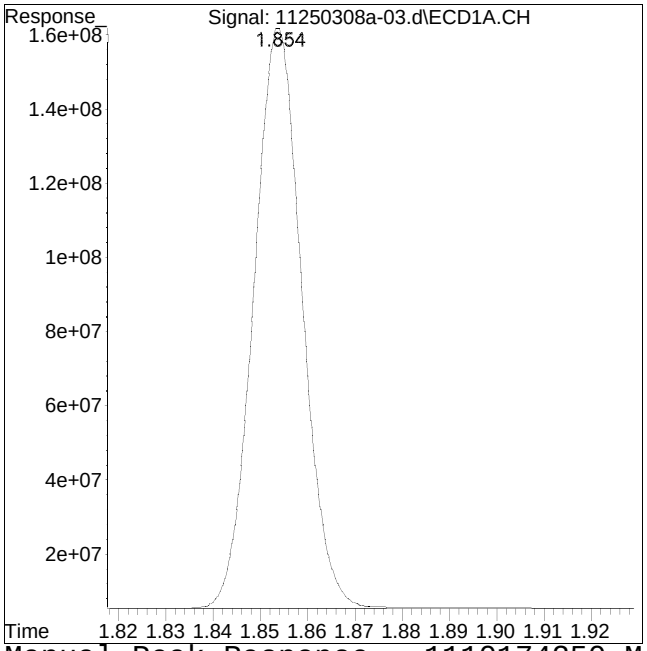
Original Peak Response = 1041352258 Manual Peak Response = 1036146632 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-03.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:58 Instrument : Pest 11
Sample : wg2038031-1,42,,pest11934 Quant Date : 3/8/2025 6:55 am

Compound #3: Hexachlorobenzene



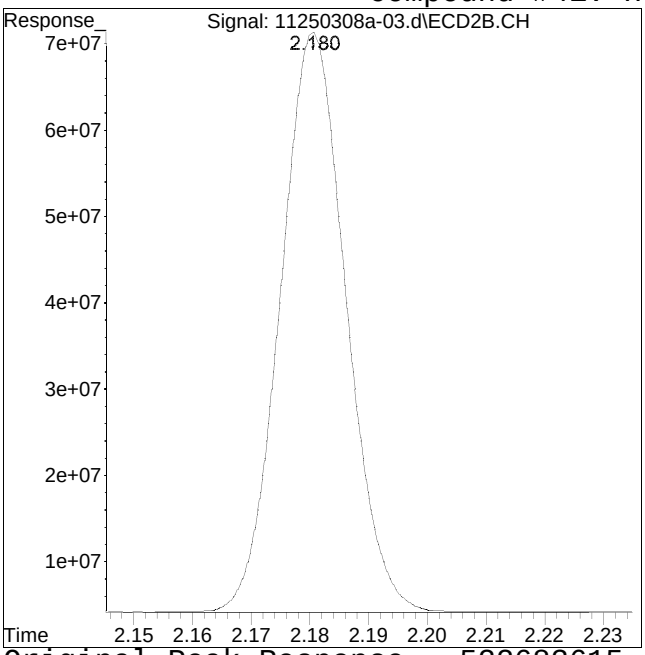


Original Peak Response = 1116268951 Manual Peak Response = 1110174250 M4
M4 = Poor automated baseline construction.

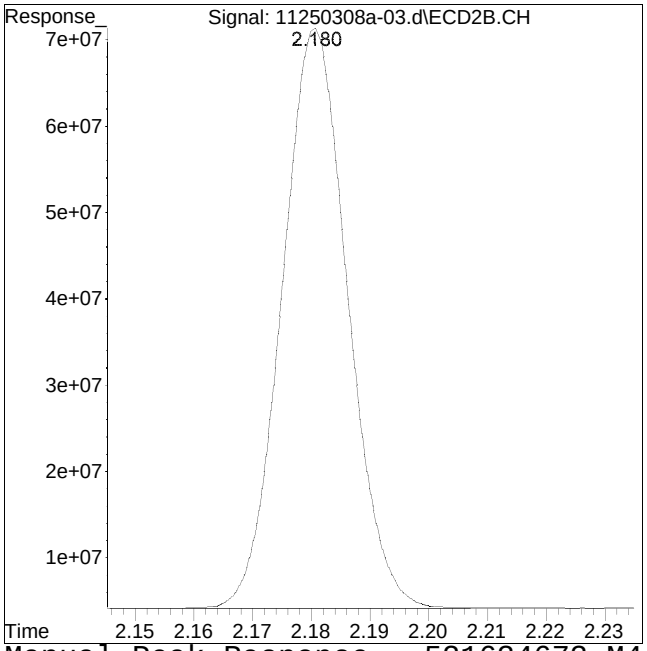
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-03.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:58 Instrument : Pest 11
Sample : wg2038031-1,42,,pest11934 Quant Date : 3/8/2025 6:55 am

Compound #41: Hexachlorobenzene #2



Original Peak Response = 522683615



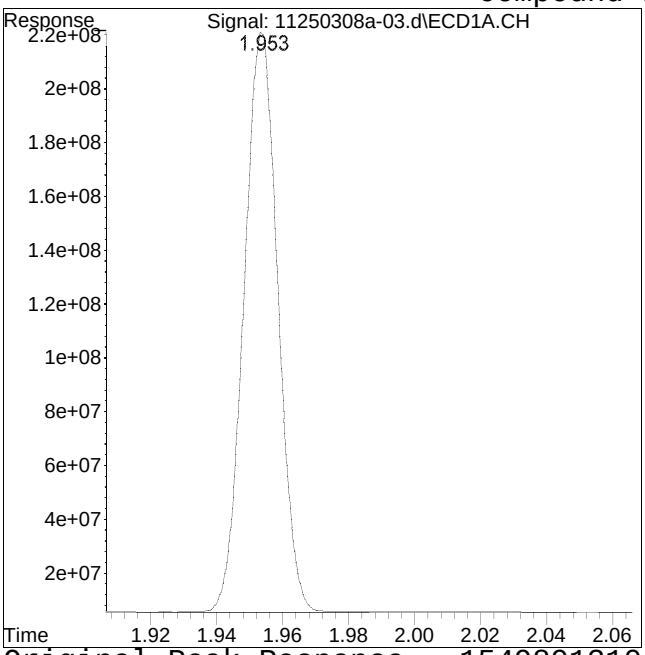
Manual Peak Response = 521634673 M4

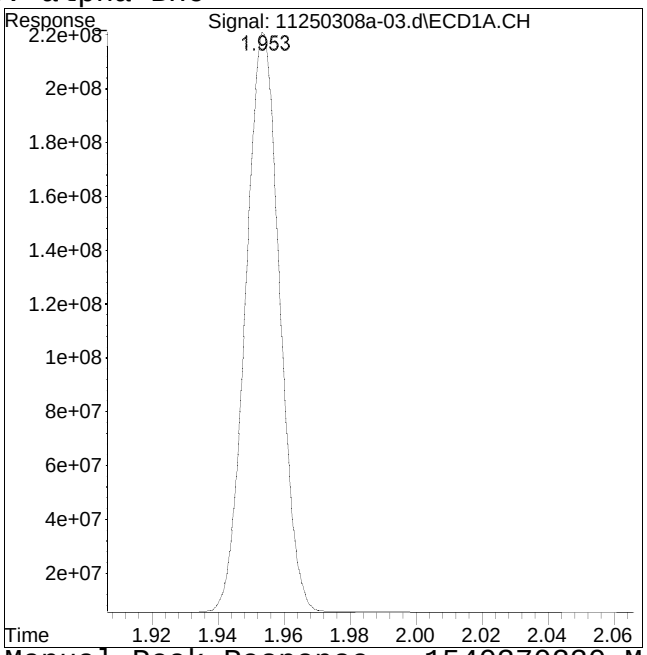
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-03.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:58 Instrument : Pest 11
Sample : wg2038031-1,42,,pest11934 Quant Date : 3/8/2025 6:55 am

Compound #4: alpha-BHC



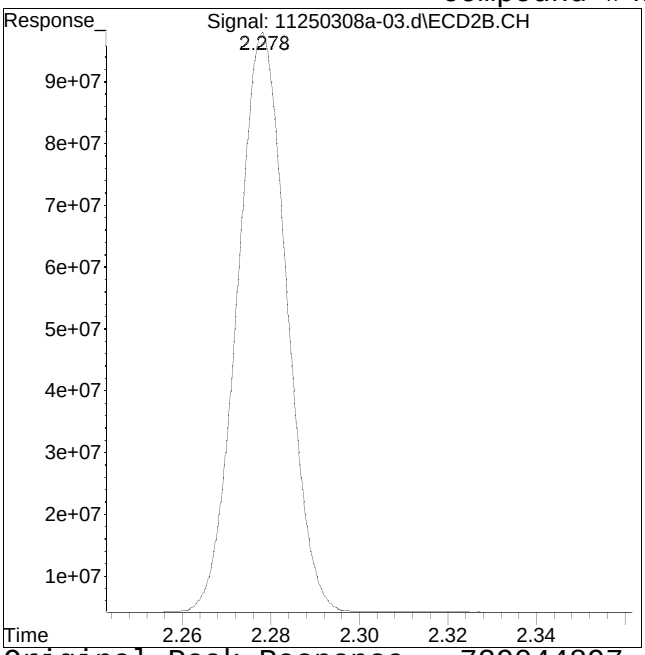


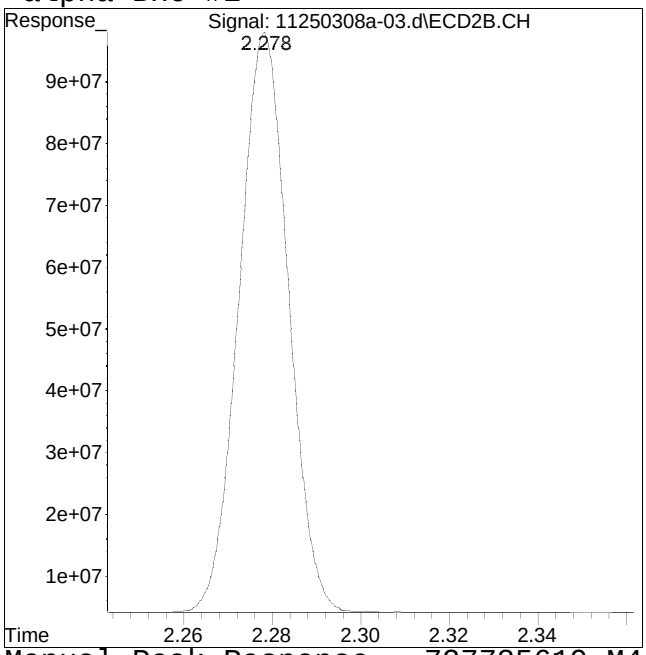
Original Peak Response = 1549891310 Manual Peak Response = 1540370230 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-03.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:58 Instrument : Pest 11
Sample : wg2038031-1,42,,pest11934 Quant Date : 3/8/2025 6:55 am

Compound #42: alpha-BHC #2



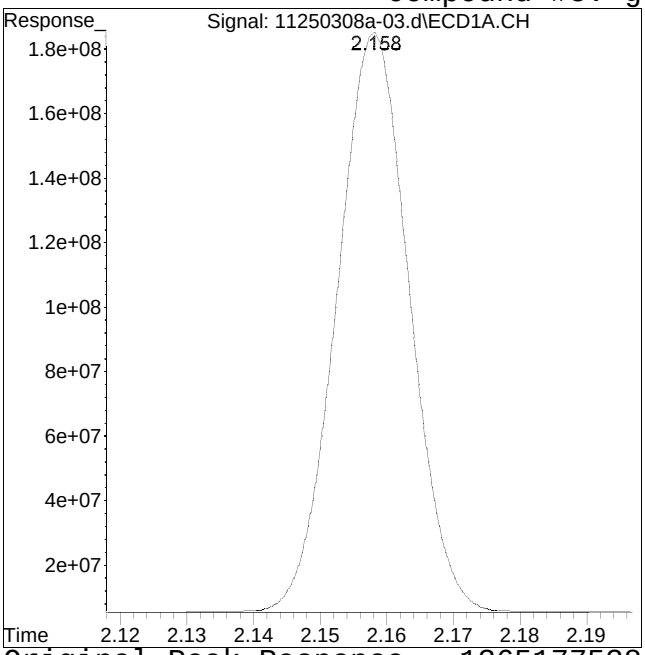


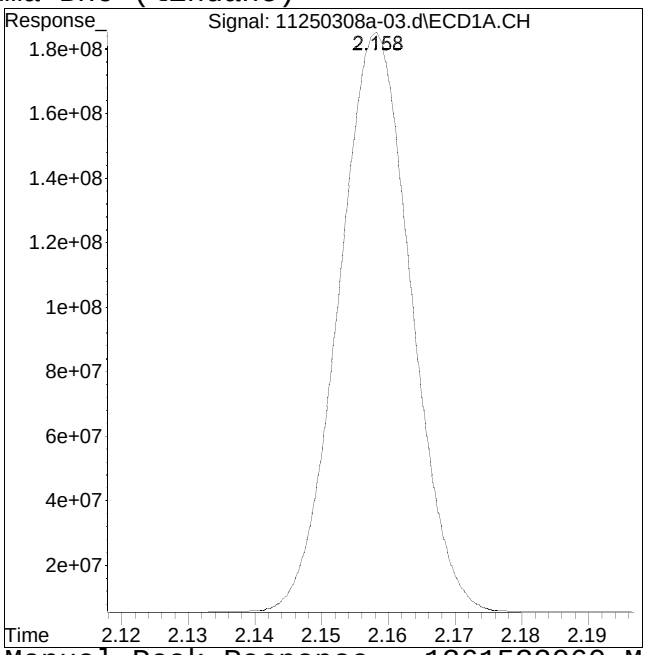
Original Peak Response = 729044897 Manual Peak Response = 727725619 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-03.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:58 Instrument : Pest 11
Sample : wg2038031-1,42,,pest11934 Quant Date : 3/8/2025 6:55 am

Compound #5: gamma-BHC (lindane)



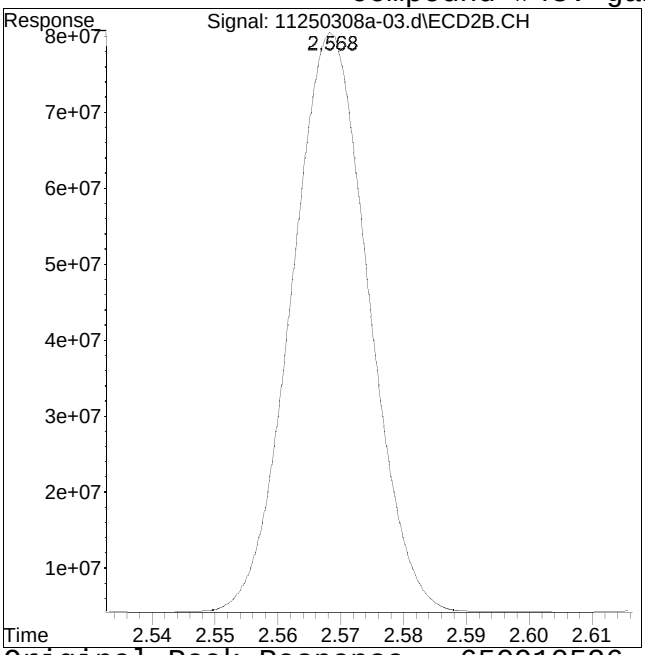


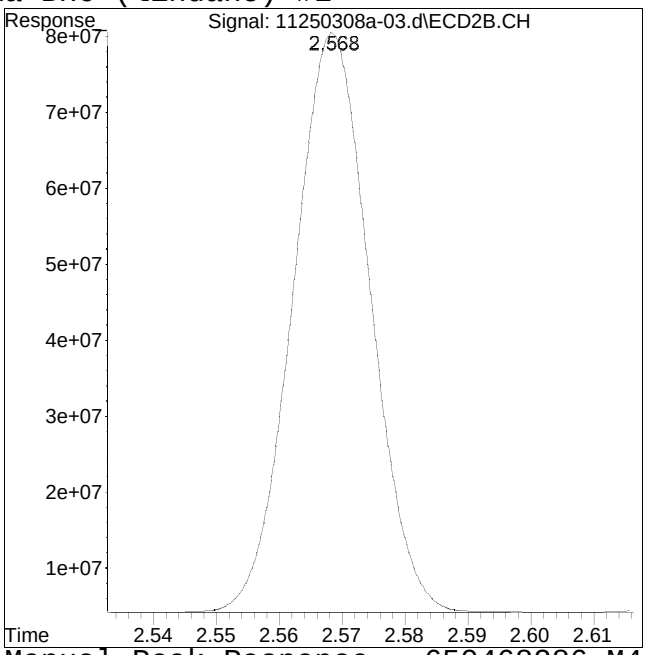
Original Peak Response = 1365177538 Manual Peak Response = 1361532060 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-03.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:58 Instrument : Pest 11
Sample : wg2038031-1,42,,pest11934 Quant Date : 3/8/2025 6:55 am

Compound #43: gamma-BHC (lindane) #2



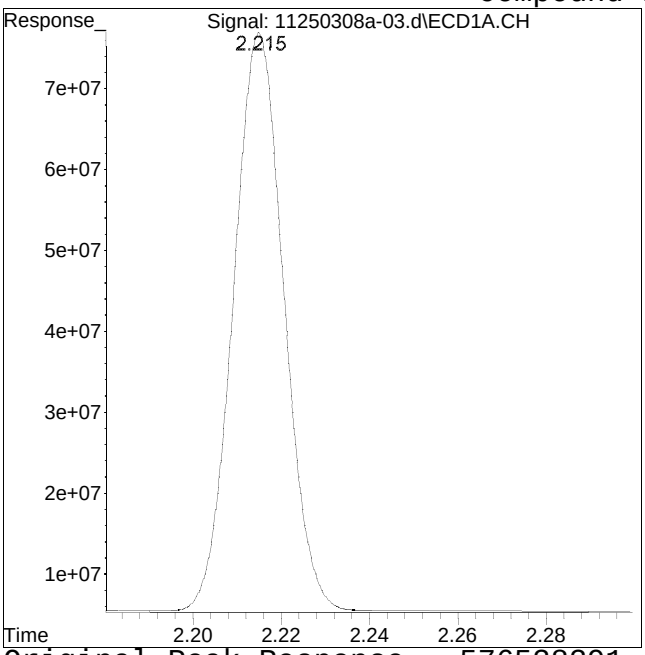


Original Peak Response = 650910526 Manual Peak Response = 650468286 M4
M4 = Poor automated baseline construction.

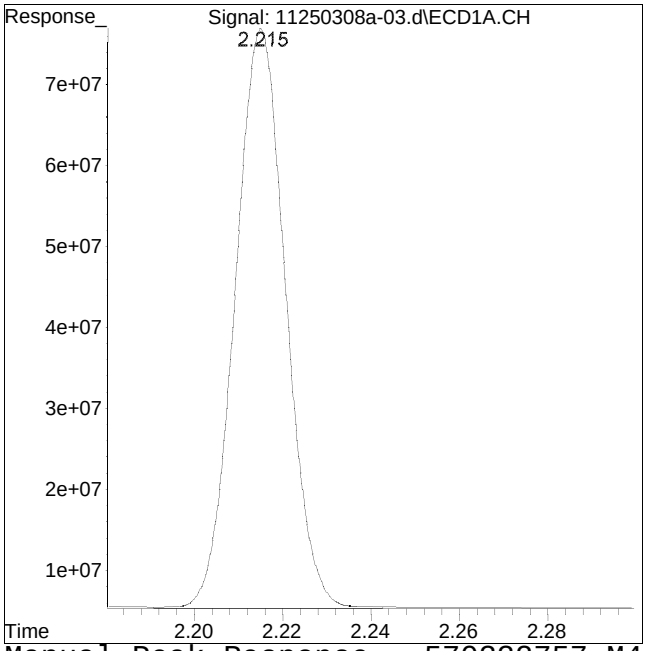
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-03.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:58 Instrument : Pest 11
Sample : wg2038031-1,42,,pest11934 Quant Date : 3/8/2025 6:55 am

Compound #6: beta-BHC



Original Peak Response = 576538391



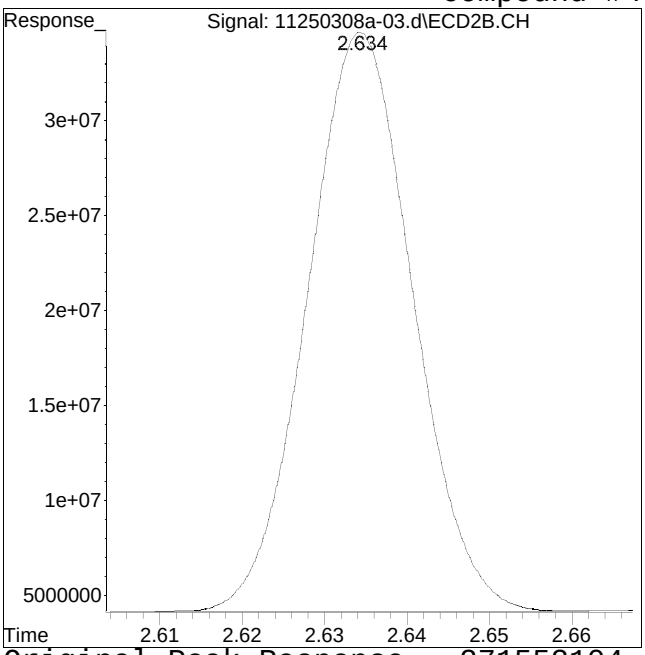
Manual Peak Response = 570332757 M4

M4 = Poor automated baseline construction.

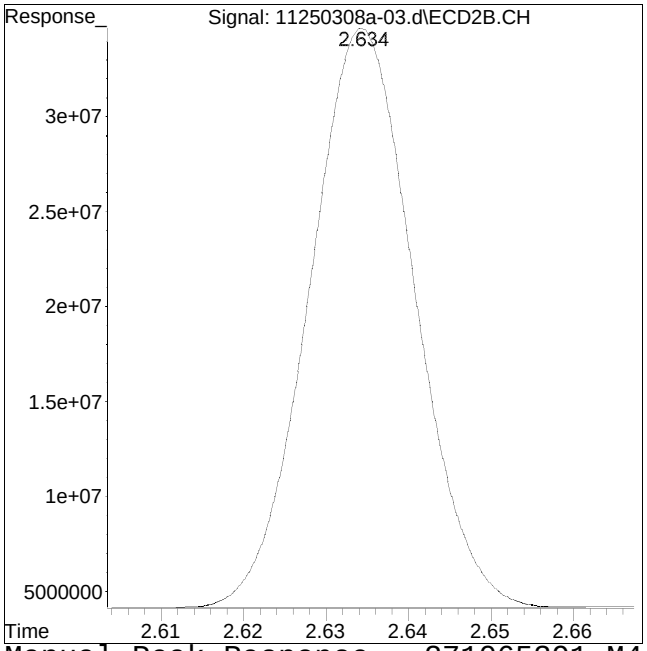
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-03.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:58 Instrument : Pest 11
Sample : wg2038031-1,42,,pest11934 Quant Date : 3/8/2025 6:55 am

Compound #44: beta-BHC #2



Original Peak Response = 271552104



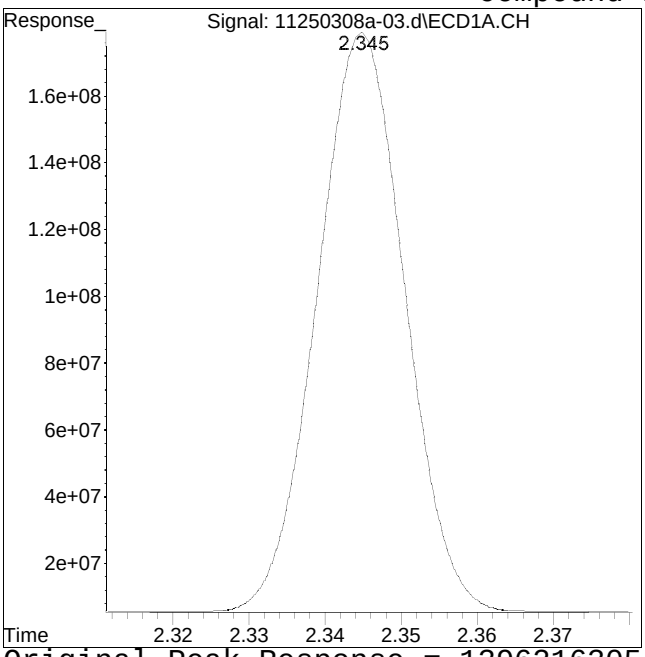
Manual Peak Response = 271065391 M4

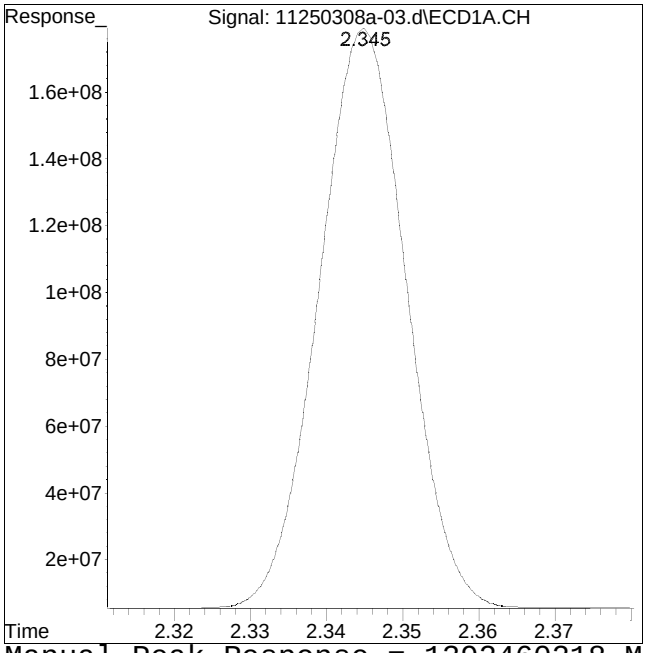
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-03.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:58 Instrument : Pest 11
Sample : wg2038031-1,42,,pest11934 Quant Date : 3/8/2025 6:55 am

Compound #7: delta-BHC



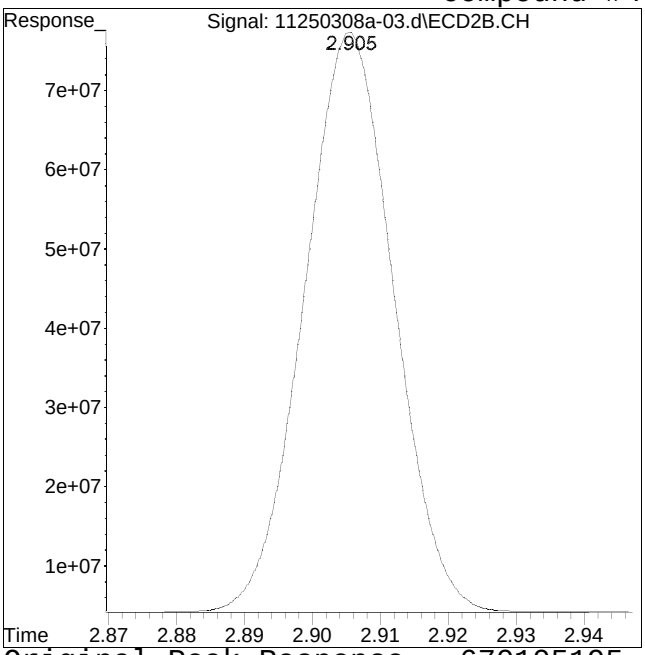


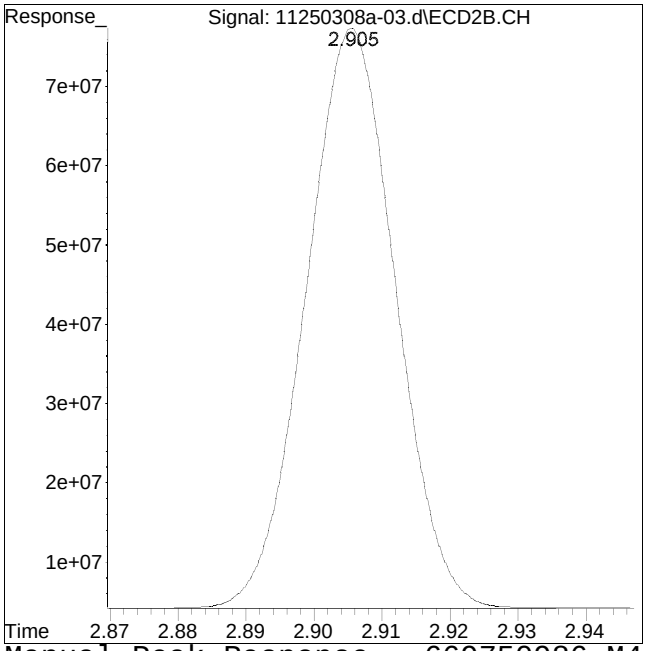
Original Peak Response = 1396216305 Manual Peak Response = 1392460218 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-03.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:58 Instrument : Pest 11
Sample : wg2038031-1,42,,pest11934 Quant Date : 3/8/2025 6:55 am

Compound #45: delta-BHC #2



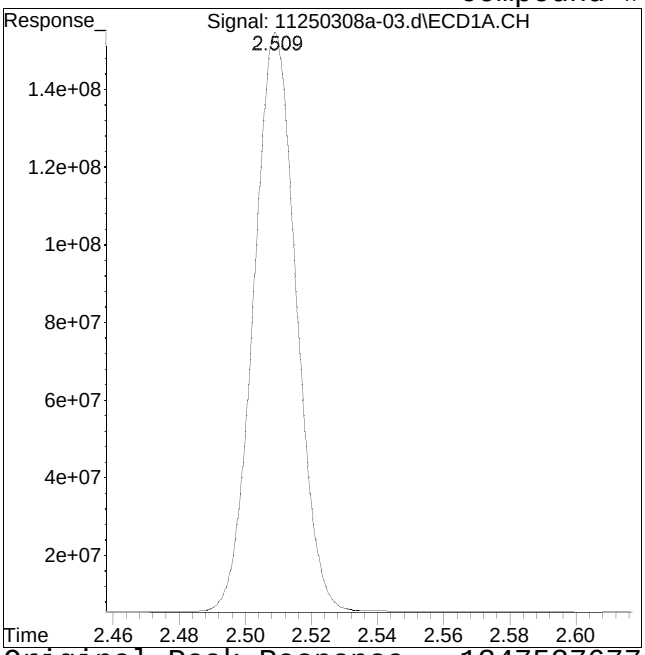


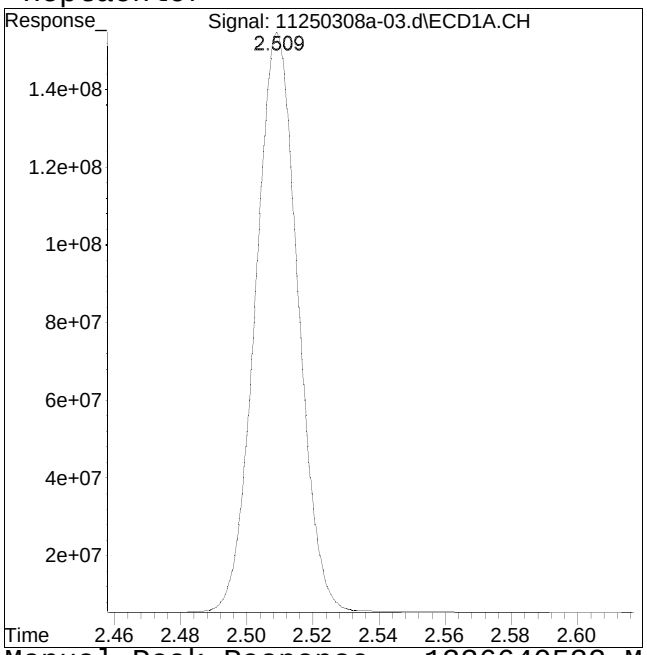
Original Peak Response = 670105195 Manual Peak Response = 669750986 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-03.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:58 Instrument : Pest 11
Sample : wg2038031-1,42,,pest11934 Quant Date : 3/8/2025 6:55 am

Compound #8: Heptachlor



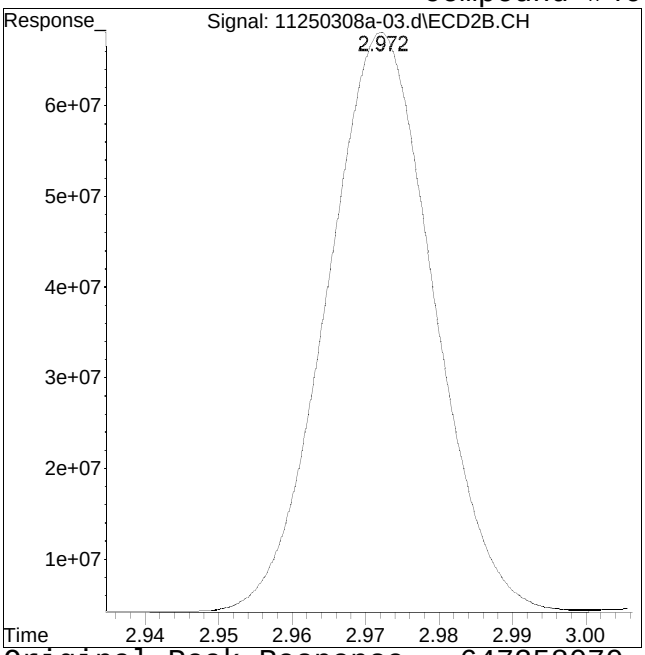


Original Peak Response = 1347527677 Manual Peak Response = 1336640532 M4
M4 = Poor automated baseline construction.

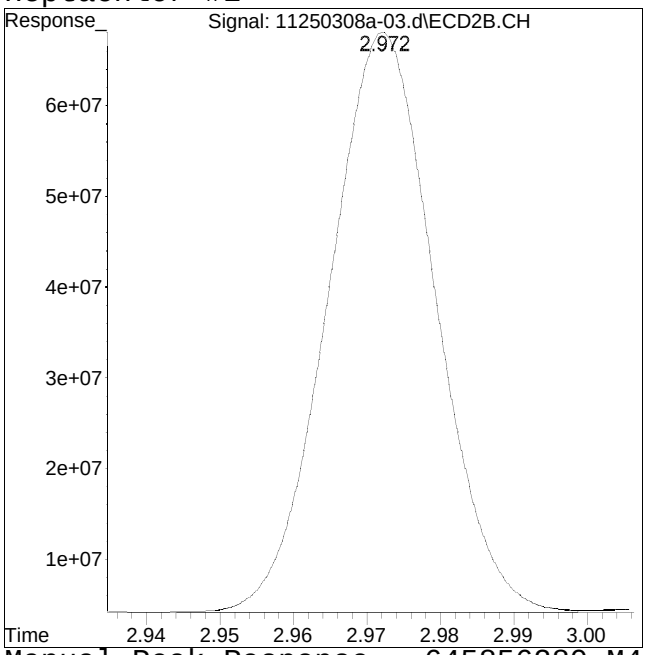
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-03.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:58 Instrument : Pest 11
Sample : wg2038031-1,42,,pest11934 Quant Date : 3/8/2025 6:55 am

Compound #46: Heptachlor #2



Original Peak Response = 647358070

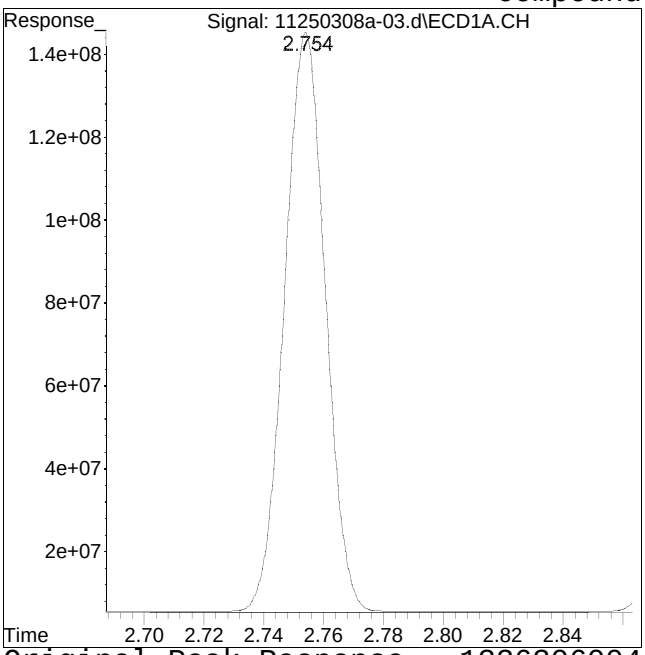


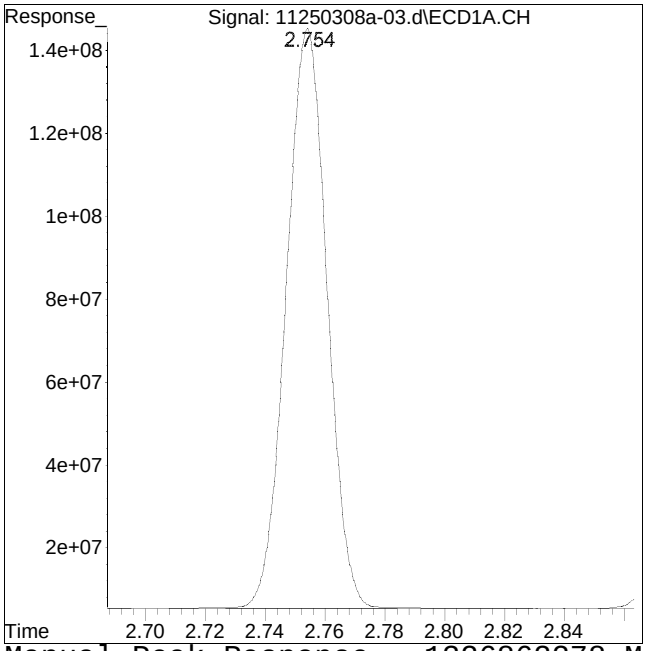
Manual Peak Response = 645856280 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-03.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:58 Instrument : Pest 11
Sample : wg2038031-1,42,,pest11934 Quant Date : 3/8/2025 6:55 am

Compound #9: Aldrin



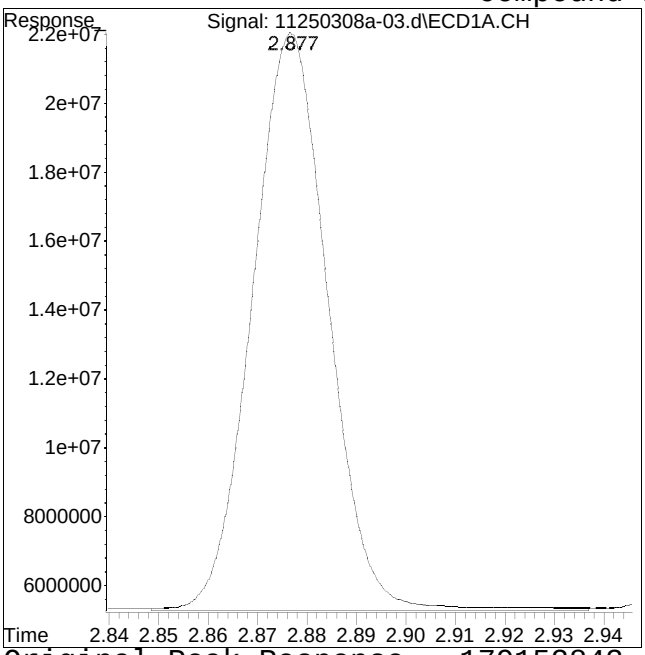


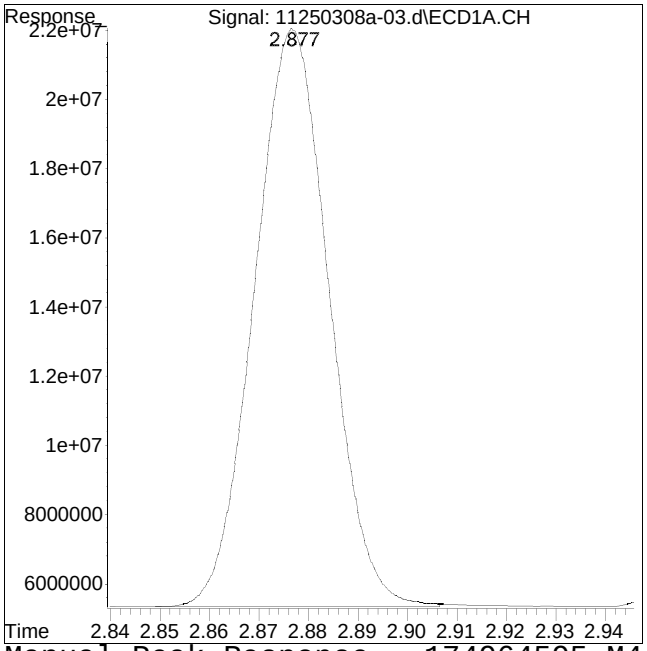
Original Peak Response = 1336306004 Manual Peak Response = 1326862278 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-03.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:58 Instrument : Pest 11
Sample : wg2038031-1,42,,pest11934 Quant Date : 3/8/2025 6:55 am

Compound #10: Alachlor



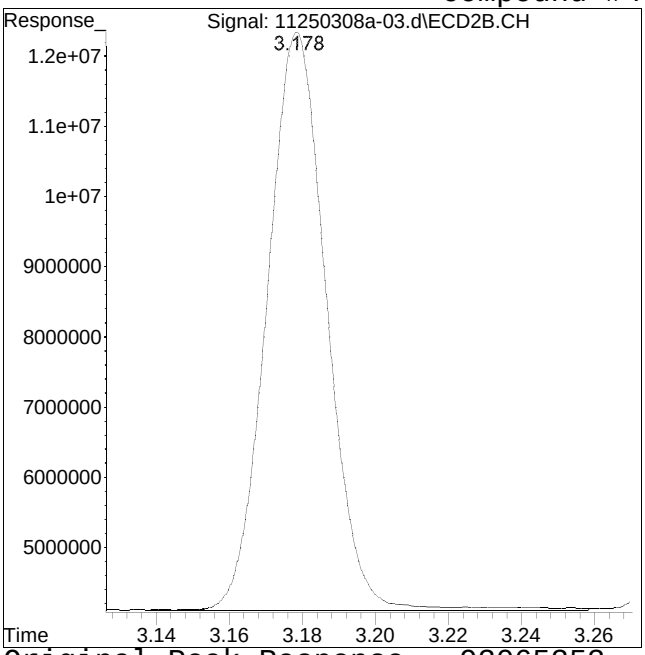


Original Peak Response = 179152843 Manual Peak Response = 174964595 M4
M4 = Poor automated baseline construction.

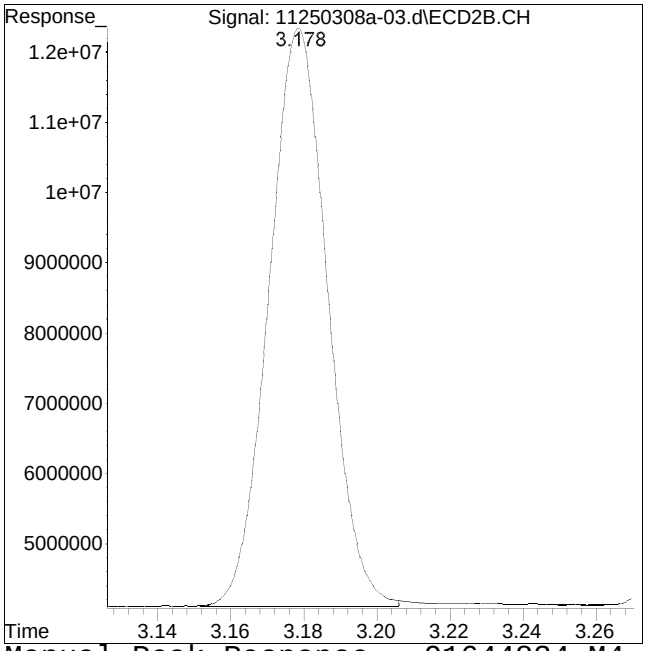
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-03.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:58 Instrument : Pest 11
Sample : wg2038031-1,42,,pest11934 Quant Date : 3/8/2025 6:55 am

Compound #48: Alachlor #2



Original Peak Response = 93065353

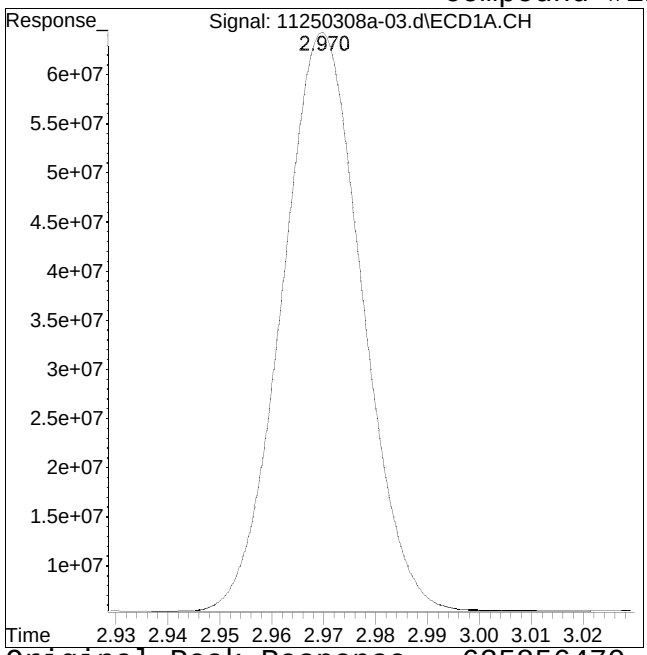


Manual Peak Response = 91644834 M4
M4 = Poor automated baseline construction.

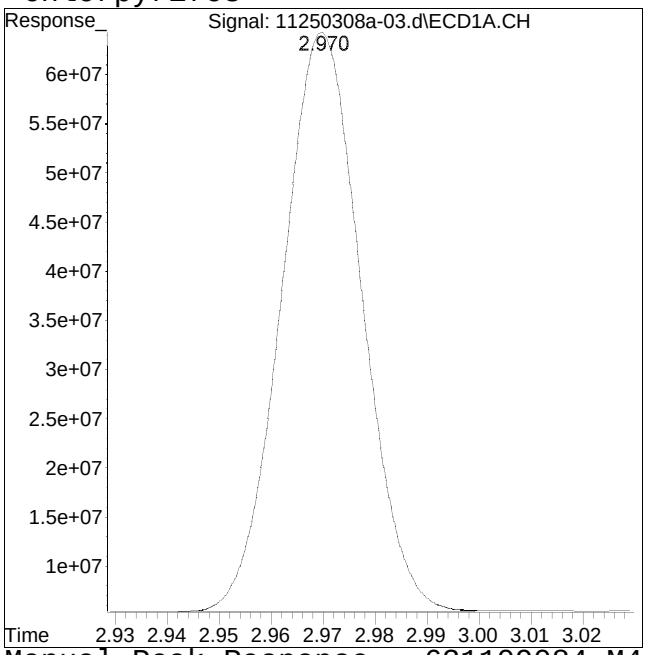
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-03.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:58 Instrument : Pest 11
Sample : wg2038031-1,42,,pest11934 Quant Date : 3/8/2025 6:55 am

Compound #11: Chlorpyrifos



Original Peak Response = 635856470



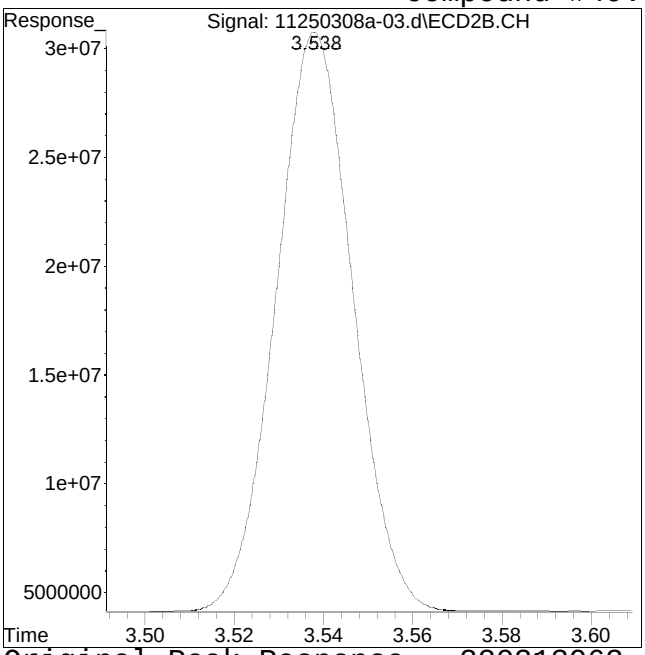
Manual Peak Response = 631109084 M4

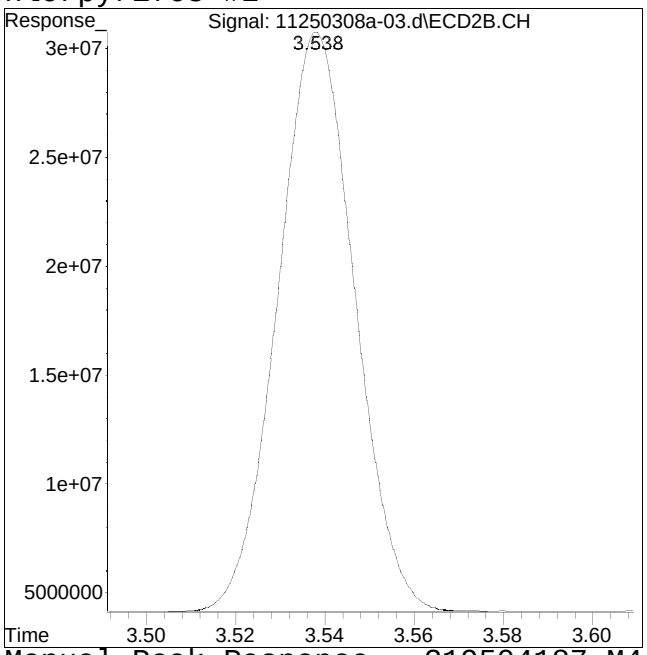
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-03.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:58 Instrument : Pest 11
Sample : wg2038031-1,42,,pest11934 Quant Date : 3/8/2025 6:55 am

Compound #49: Chlorpyrifos #2



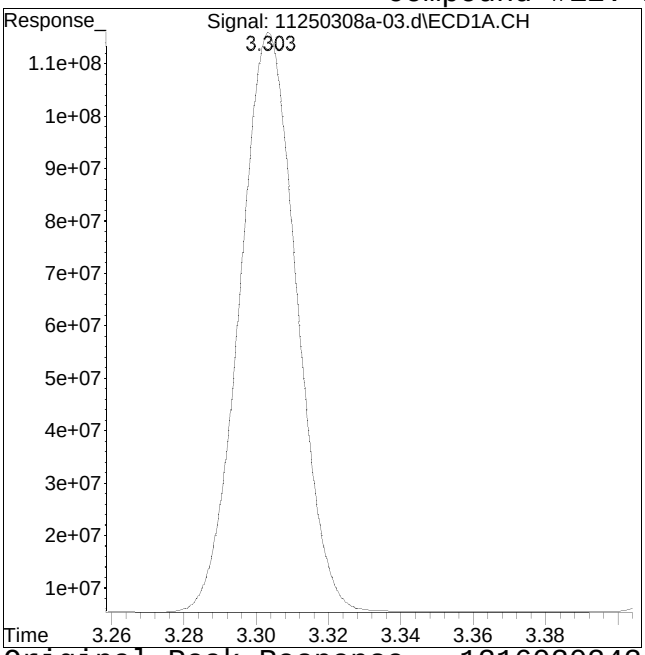


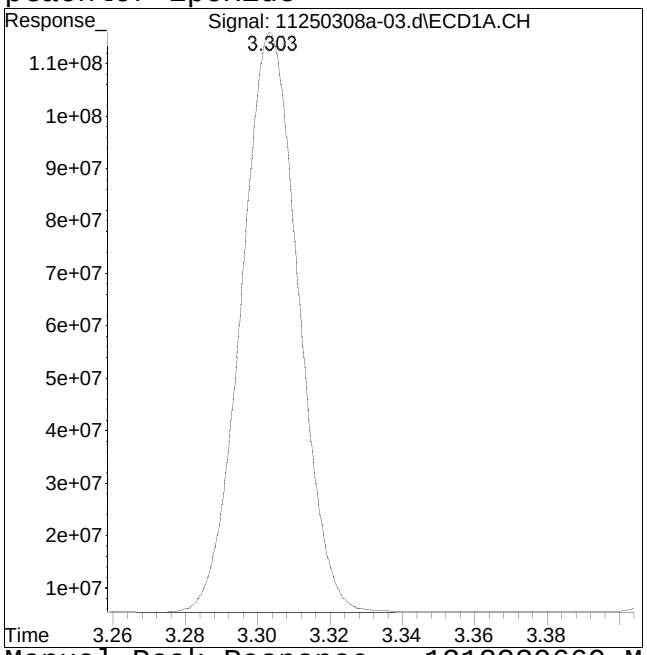
Original Peak Response = 320313963 Manual Peak Response = 319504187 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-03.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:58 Instrument : Pest 11
Sample : wg2038031-1,42,,pest11934 Quant Date : 3/8/2025 6:55 am

Compound #12: Heptachlor Epoxide



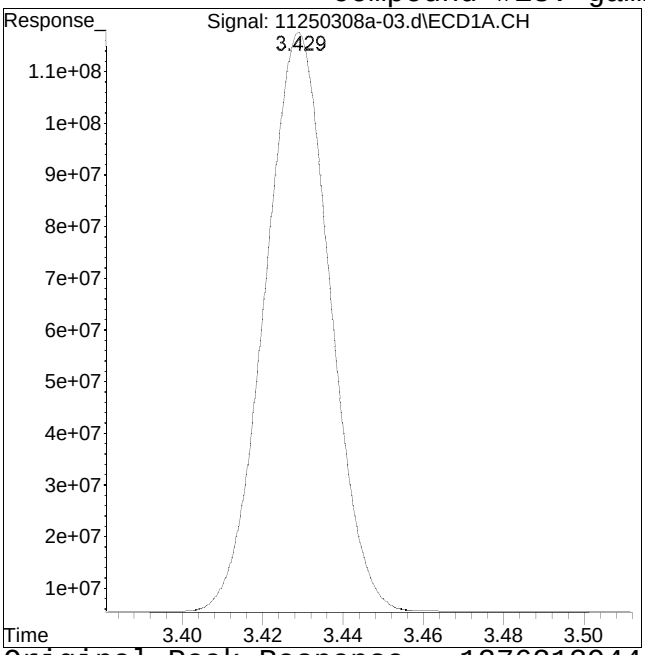


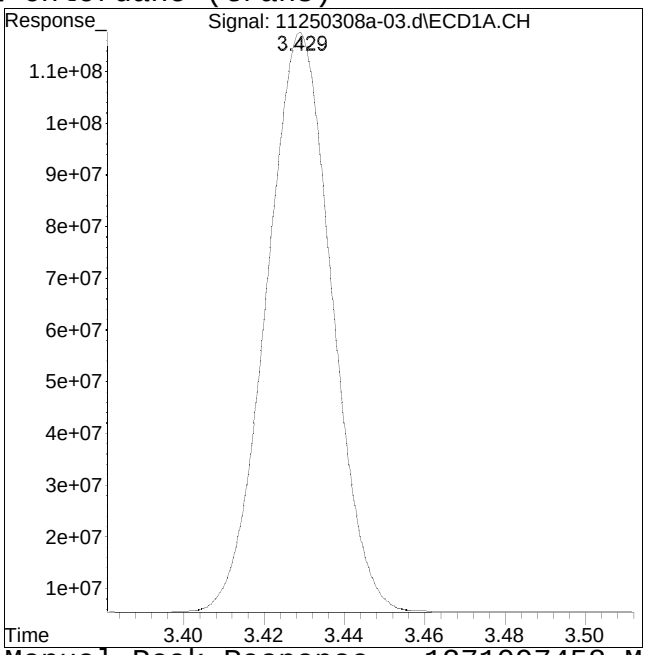
Original Peak Response = 1216020243 Manual Peak Response = 1212339669 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-03.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:58 Instrument : Pest 11
Sample : wg2038031-1,42,,pest11934 Quant Date : 3/8/2025 6:55 am

Compound #13: gamma-Chlordane (trans)



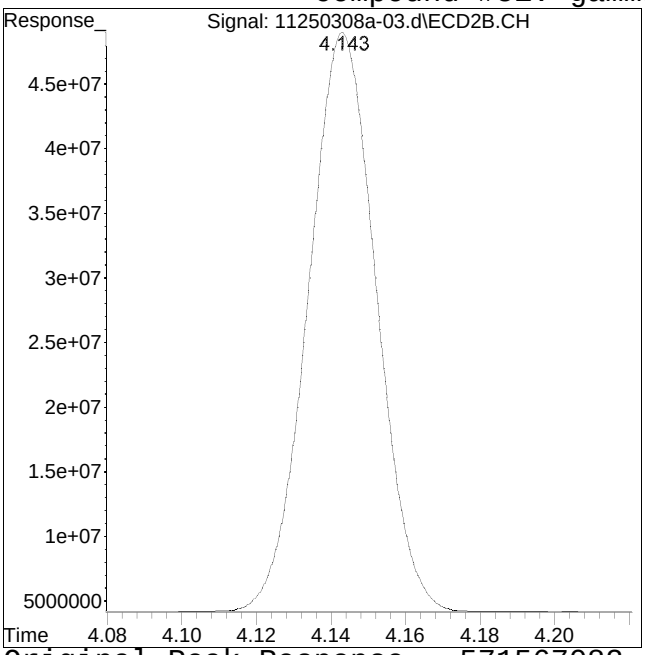


Original Peak Response = 1276213944 Manual Peak Response = 1271097458 M4
M4 = Poor automated baseline construction.

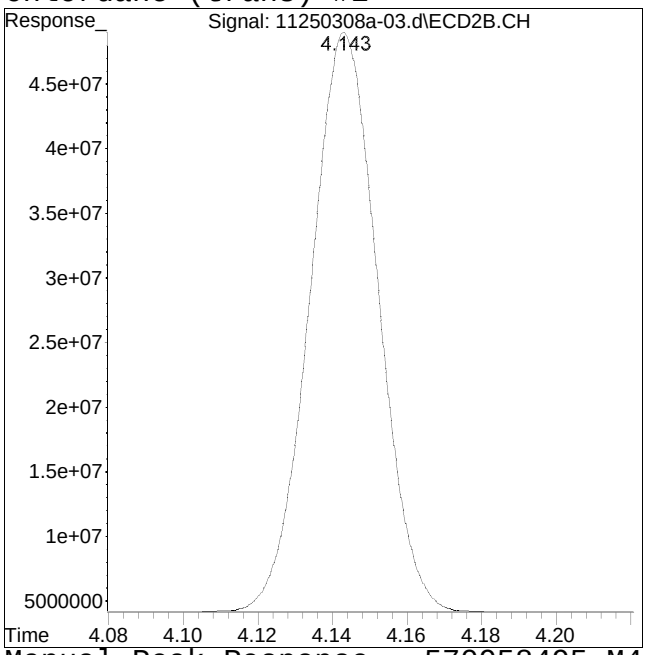
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-03.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:58 Instrument : Pest 11
Sample : wg2038031-1,42,,pest11934 Quant Date : 3/8/2025 6:55 am

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 571567082



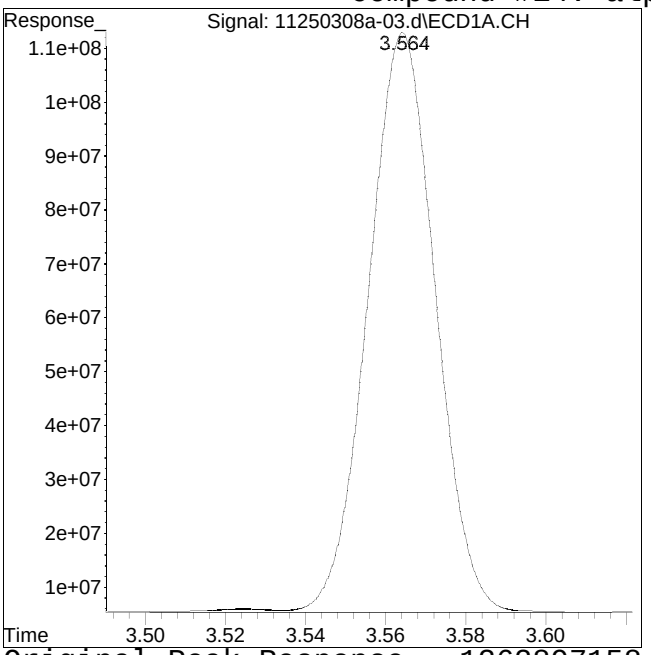
Manual Peak Response = 570958495 M4

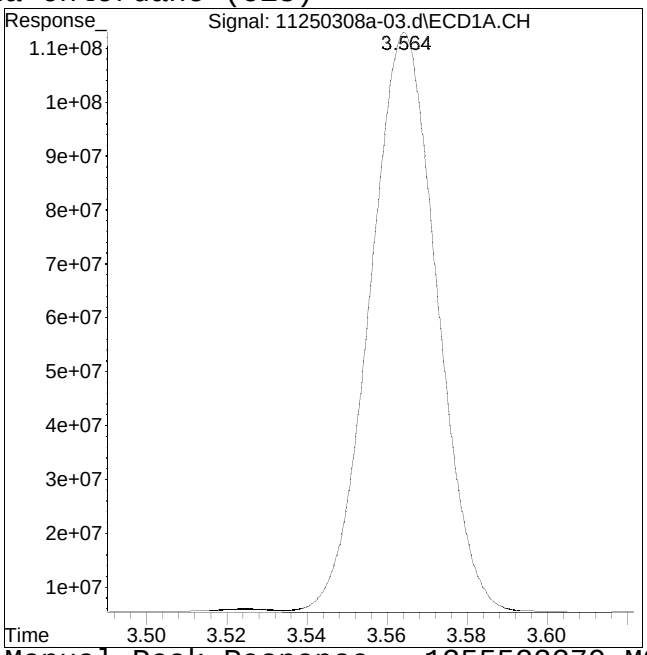
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-03.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:58 Instrument : Pest 11
Sample : wg2038031-1,42,,pest11934 Quant Date : 3/8/2025 6:55 am

Compound #14: alpha-Chlordane (cis)



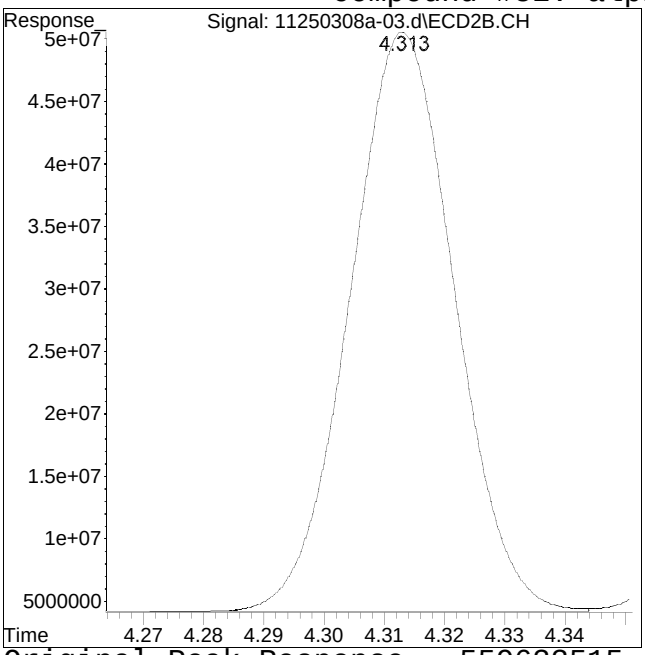


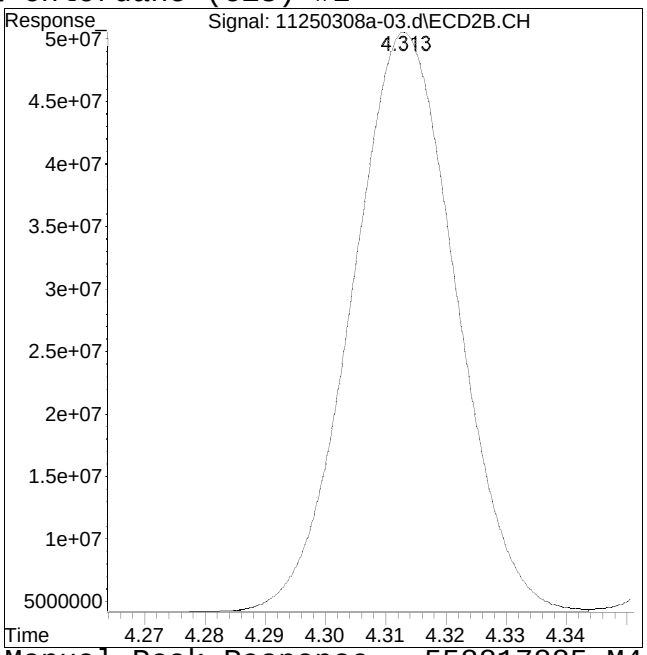
Original Peak Response = 1262897158 Manual Peak Response = 1255523279 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-03.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:58 Instrument : Pest 11
Sample : wg2038031-1,42,,pest11934 Quant Date : 3/8/2025 6:55 am

Compound #52: alpha-Chlordane (cis) #2



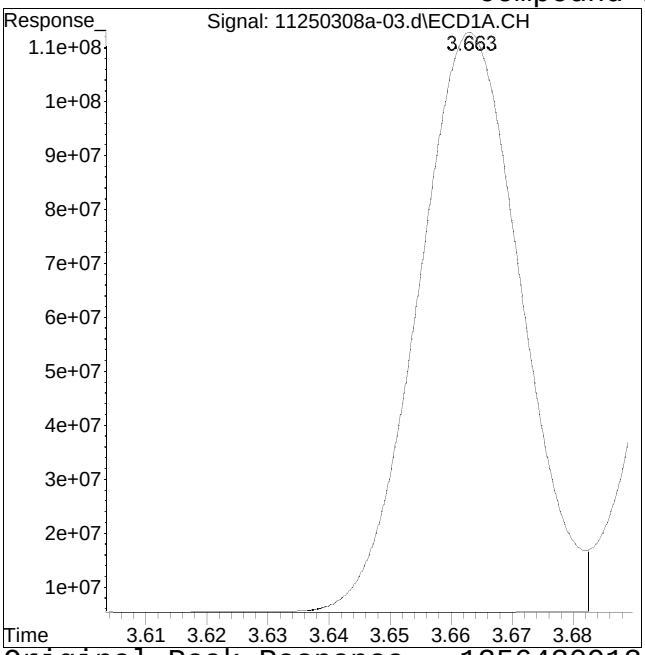


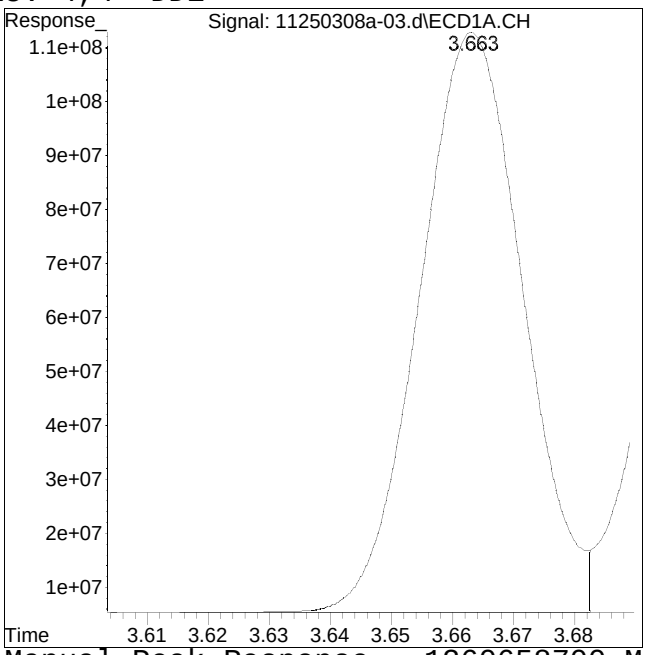
Original Peak Response = 559633515 Manual Peak Response = 558817885 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-03.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:58 Instrument : Pest 11
Sample : wg2038031-1,42,,pest11934 Quant Date : 3/8/2025 6:55 am

Compound #15: 4,4'-DDE



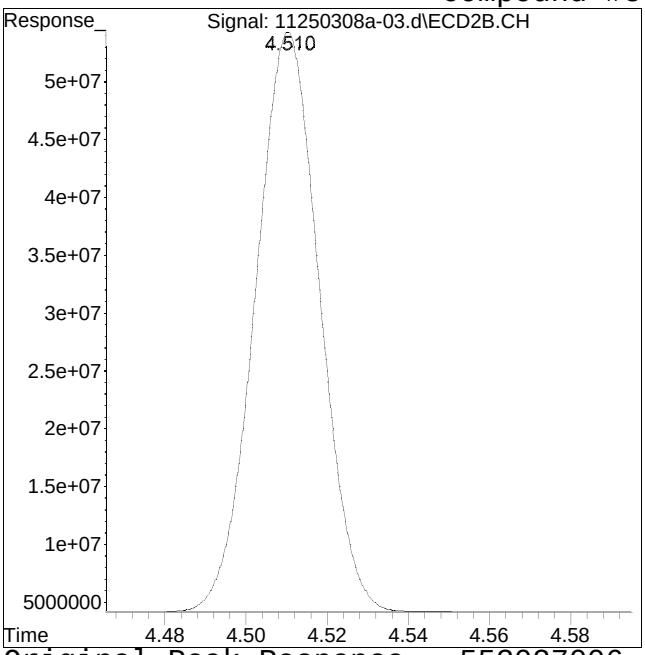


Original Peak Response = 1256430913 Manual Peak Response = 1260658700 M4
M4 = Poor automated baseline construction.

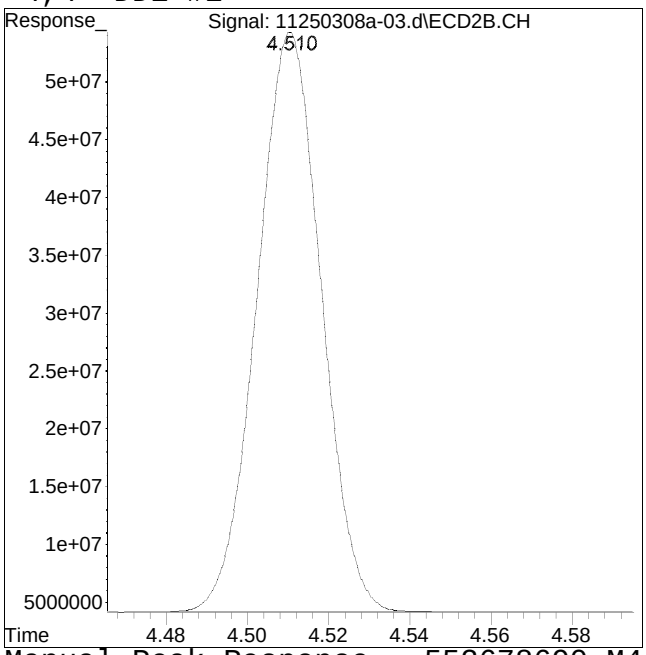
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-03.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:58 Instrument : Pest 11
Sample : wg2038031-1,42,,pest11934 Quant Date : 3/8/2025 6:55 am

Compound #53: 4,4'-DDE #2



Original Peak Response = 553027006



Manual Peak Response = 552678690 M4

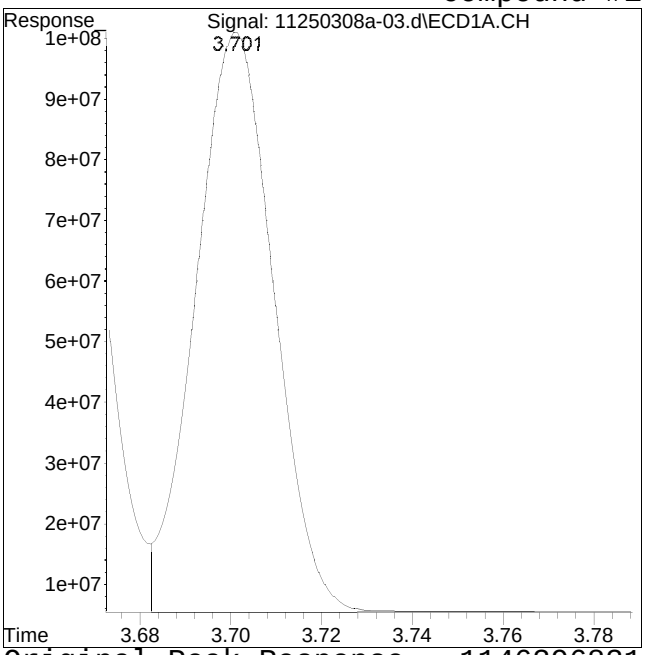
M4 = Poor automated baseline construction.

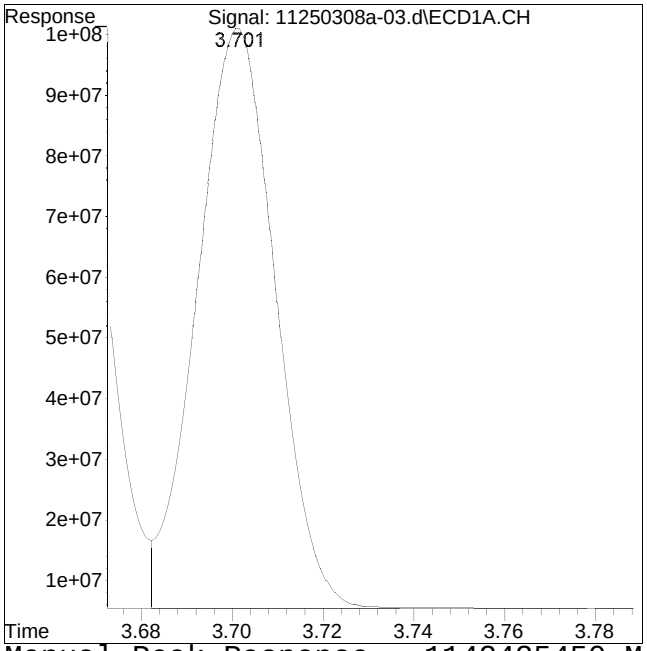
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308Q
Data File : 11250308a-03.d
Date Inj'd : 3/8/2025 5:58
Sample : wg2038031-1,42,,pest11934

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:peg
Instrument : Pest 11
Quant Date : 3/8/2025 6:55 am

Compound #16: Endosulfan I





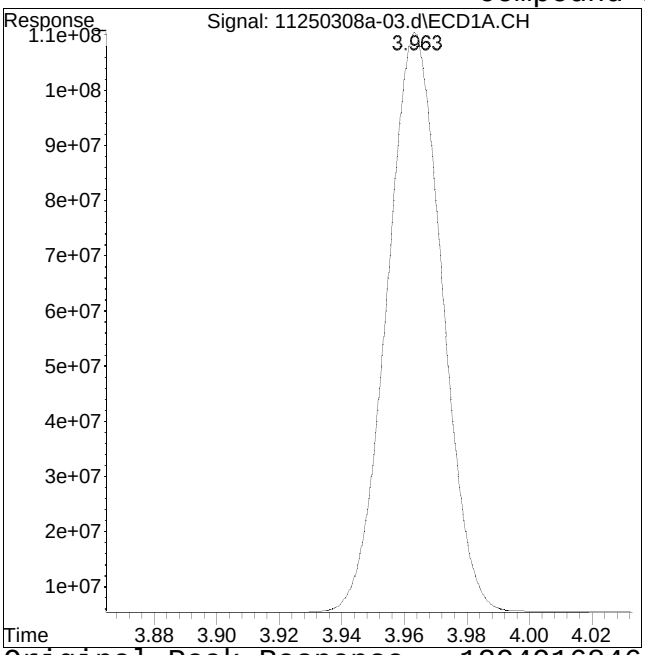
Original Peak Response = 1146396831 Manual Peak Response = 1142435450 M4
M4 = Poor automated baseline construction.

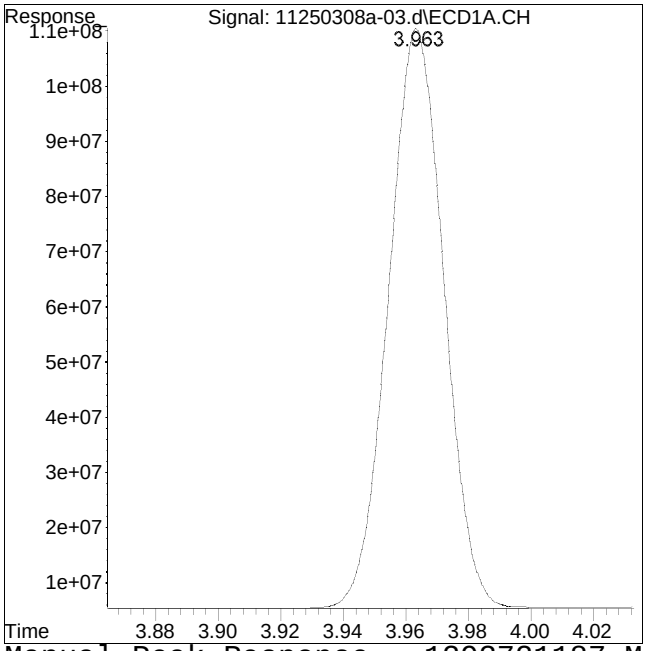
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308Q
Data File : 11250308a-03.d
Date Inj'd : 3/8/2025 5:58
Sample : wg2038031-1,42,,pest11934

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:peg
Instrument : Pest 11
Quant Date : 3/8/2025 6:55 am

Compound #17: Dieldrin



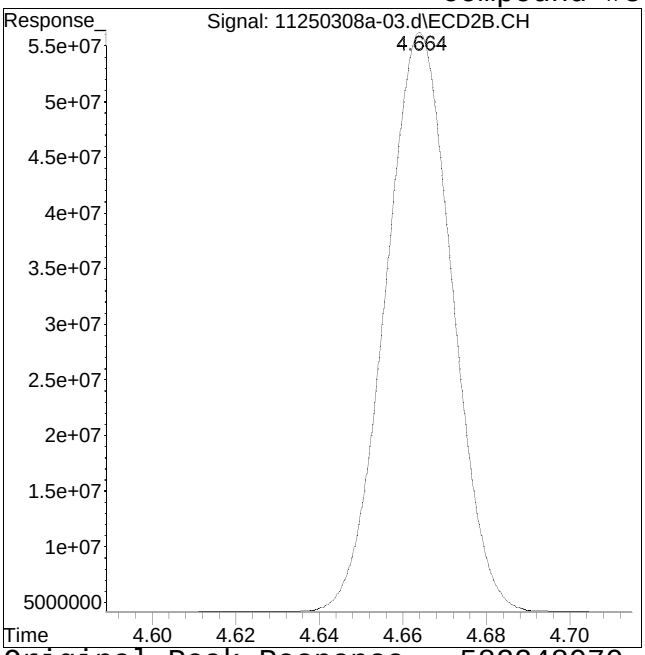


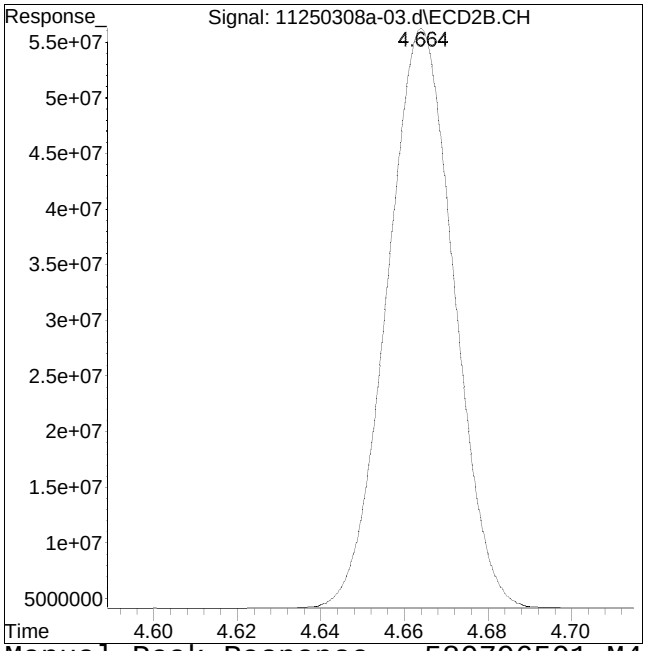
Original Peak Response = 1294916846 Manual Peak Response = 1293721187 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-03.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:58 Instrument : Pest 11
Sample : wg2038031-1,42,,pest11934 Quant Date : 3/8/2025 6:55 am

Compound #55: Dieldrin #2



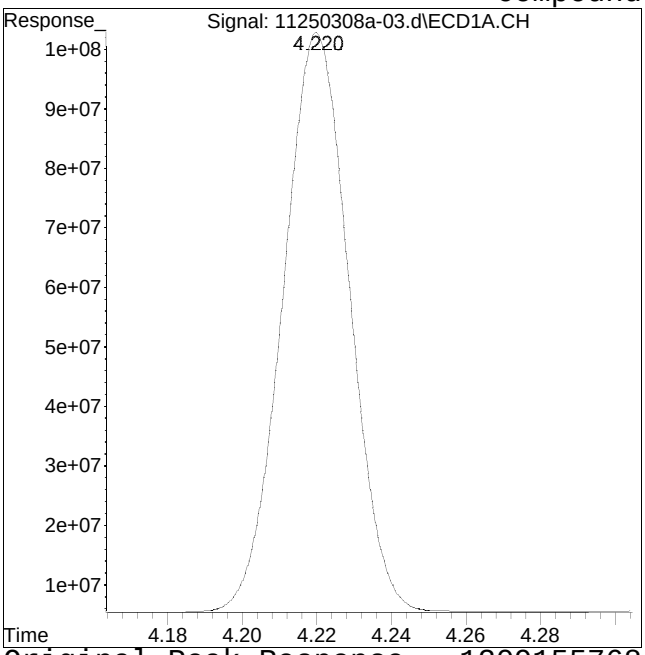


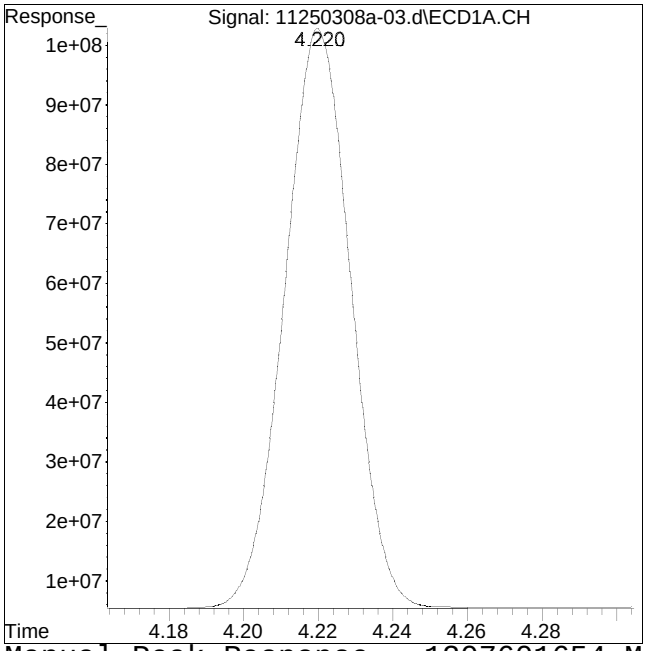
Original Peak Response = 582248970 Manual Peak Response = 580796501 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-03.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:58 Instrument : Pest 11
Sample : wg2038031-1,42,,pest11934 Quant Date : 3/8/2025 6:55 am

Compound #18: Endrin



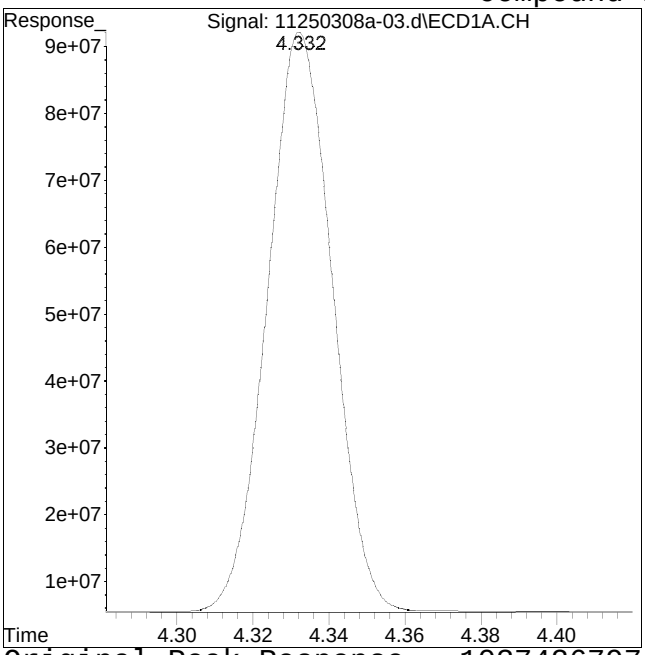


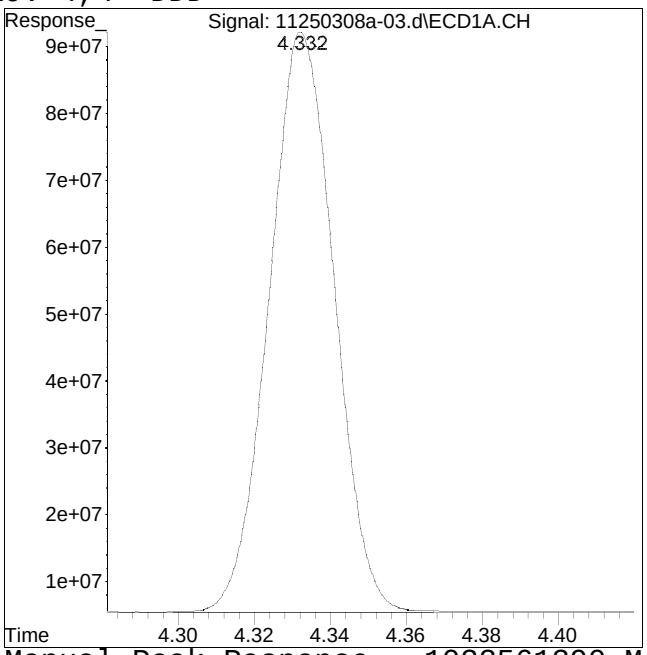
Original Peak Response = 1209155768 Manual Peak Response = 1207601654 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-03.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:58 Instrument : Pest 11
Sample : wg2038031-1,42,,pest11934 Quant Date : 3/8/2025 6:55 am

Compound #19: 4,4'-DDD



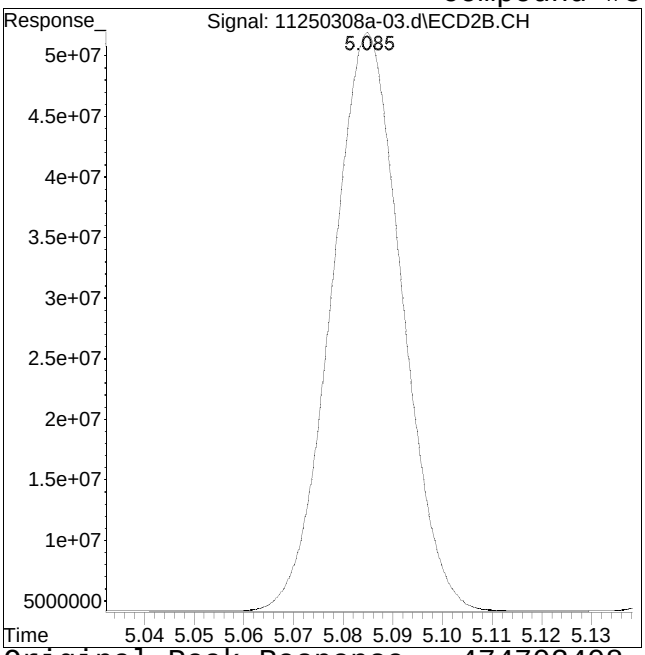


Original Peak Response = 1037426797 Manual Peak Response = 1033561390 M4
M4 = Poor automated baseline construction.

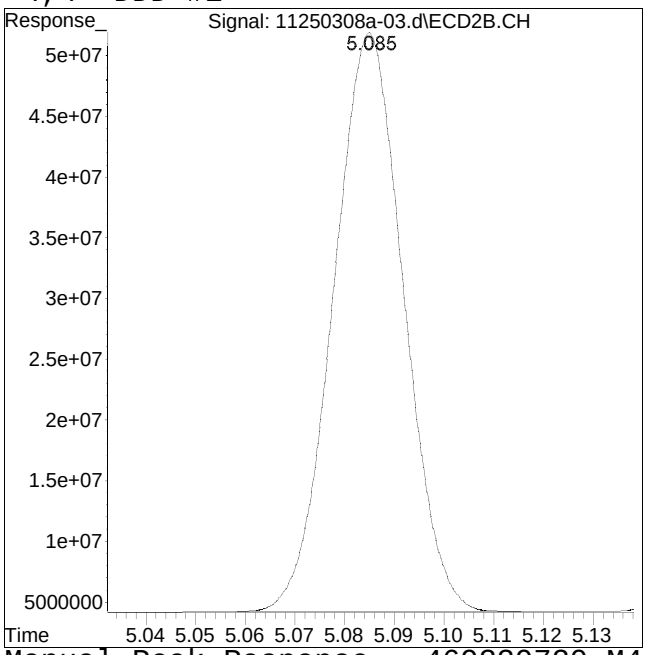
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-03.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:58 Instrument : Pest 11
Sample : wg2038031-1,42,,pest11934 Quant Date : 3/8/2025 6:55 am

Compound #57: 4,4'-DDD #2



Original Peak Response = 474702408



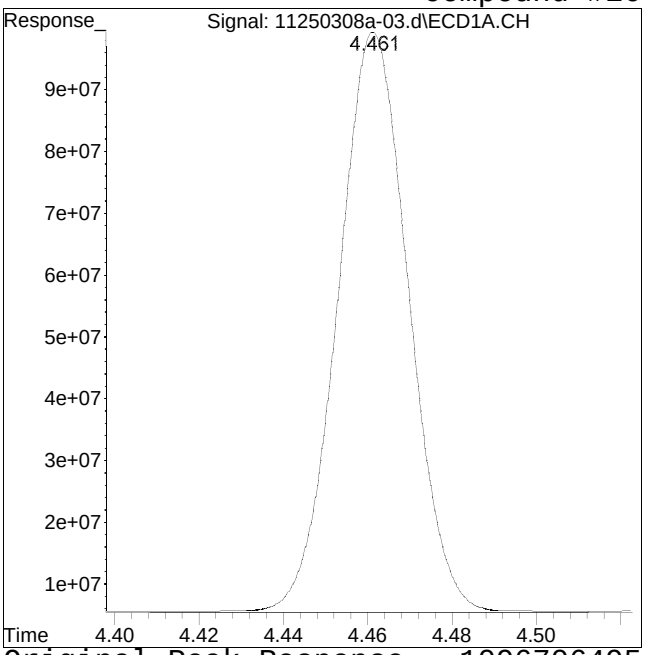
Manual Peak Response = 469339720 M4

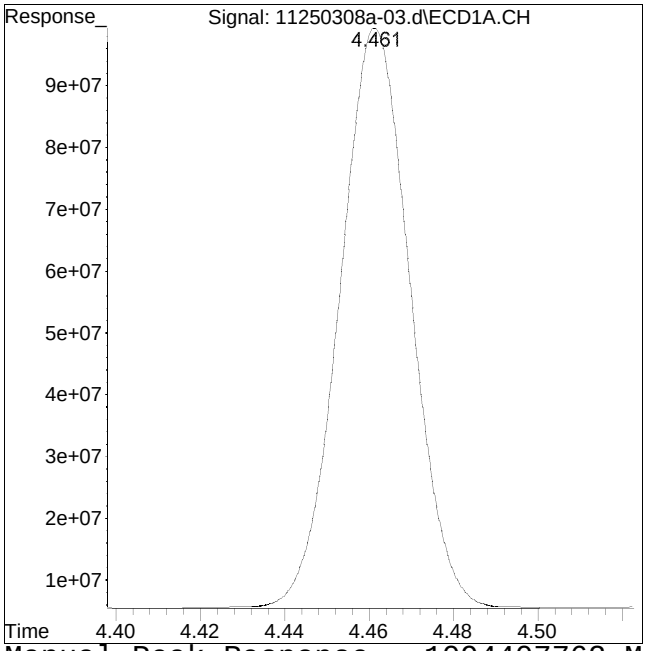
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-03.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:58 Instrument : Pest 11
Sample : wg2038031-1,42,,pest11934 Quant Date : 3/8/2025 6:55 am

Compound #20: Endosulfan II



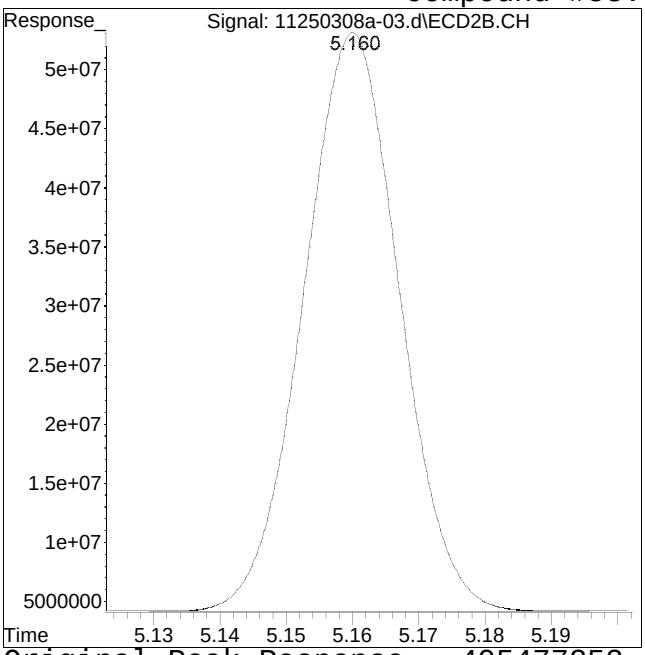


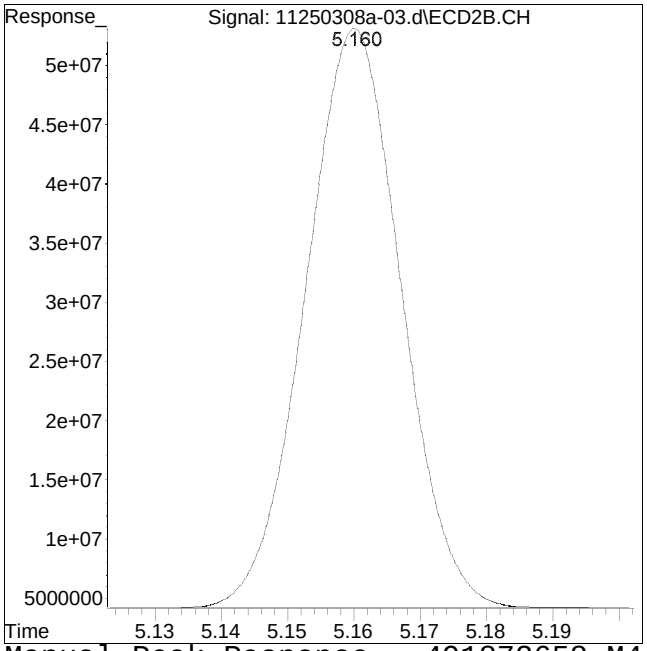
Original Peak Response = 1096706495 Manual Peak Response = 1094407762 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-03.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:58 Instrument : Pest 11
Sample : wg2038031-1,42,,pest11934 Quant Date : 3/8/2025 6:55 am

Compound #58: Endosulfan II #2



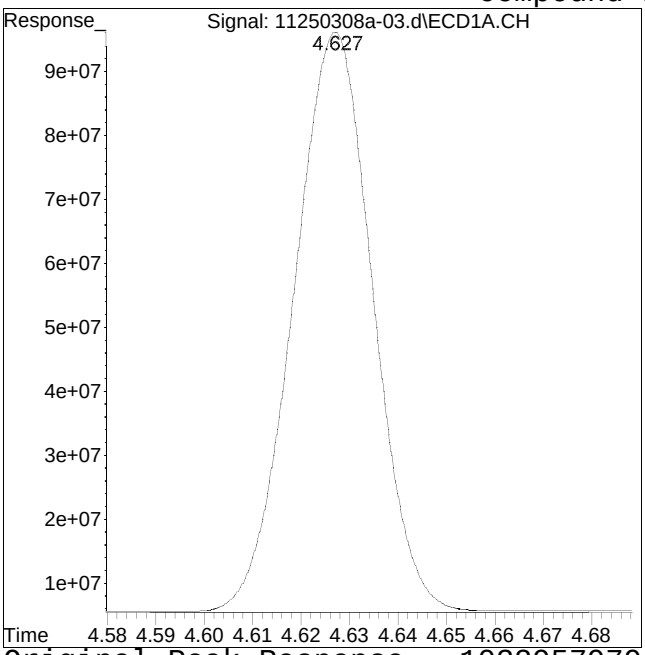


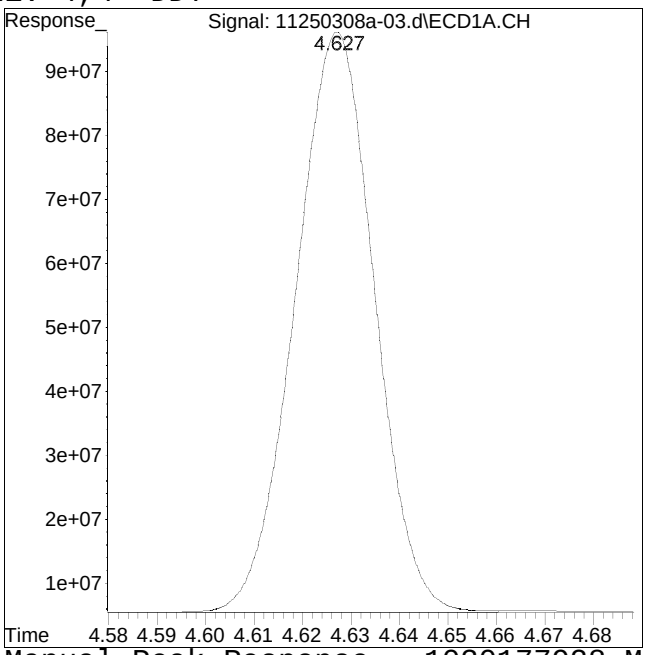
Original Peak Response = 495477252 Manual Peak Response = 491872658 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-03.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:58 Instrument : Pest 11
Sample : wg2038031-1,42,,pest11934 Quant Date : 3/8/2025 6:55 am

Compound #21: 4,4'-DDT



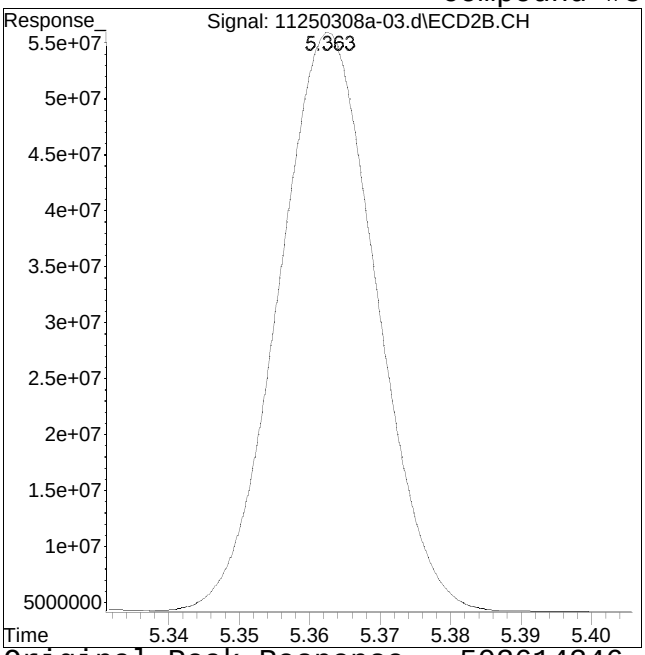


Original Peak Response = 1032957979 Manual Peak Response = 1030177928 M4
M4 = Poor automated baseline construction.

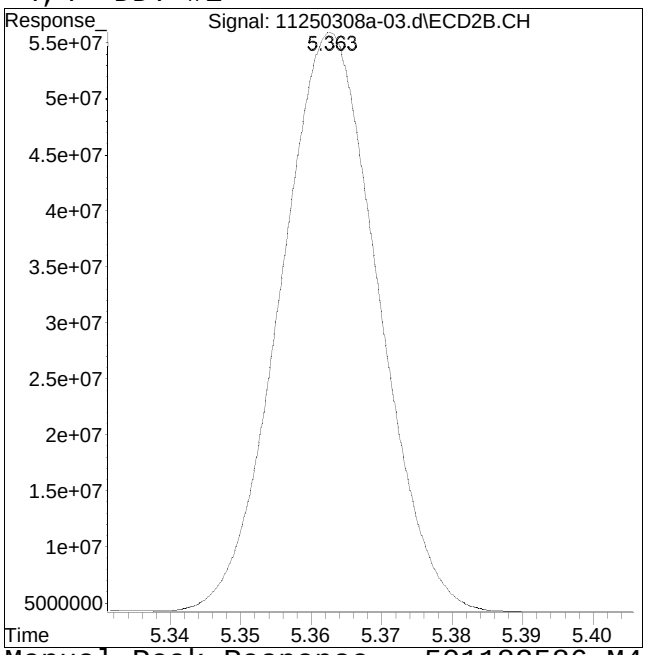
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-03.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:58 Instrument : Pest 11
Sample : wg2038031-1,42,,pest11934 Quant Date : 3/8/2025 6:55 am

Compound #59: 4,4'-DDT #2



Original Peak Response = 503614346



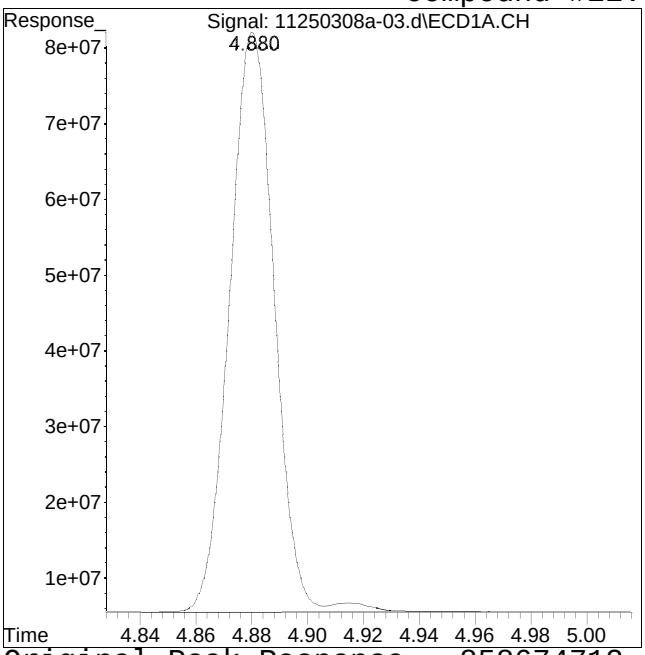
Manual Peak Response = 501182586 M4

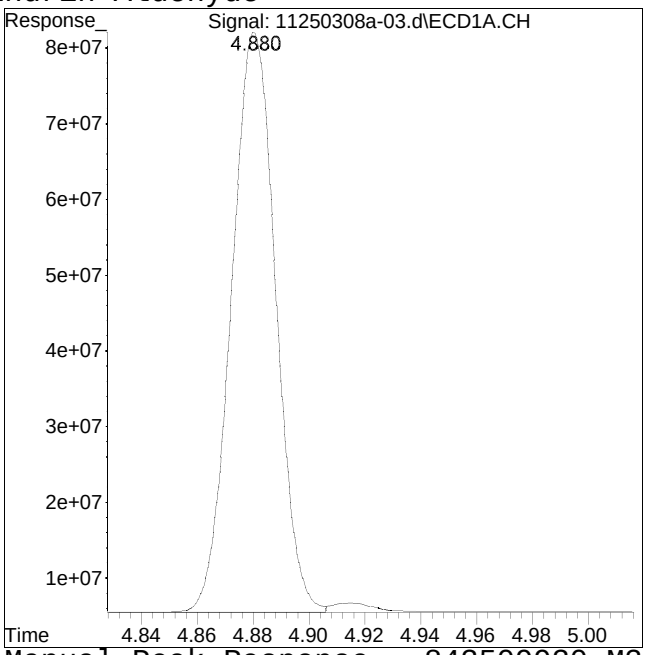
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-03.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:58 Instrument : Pest 11
Sample : wg2038031-1,42,,pest11934 Quant Date : 3/8/2025 6:55 am

Compound #22: Endrin Aldehyde



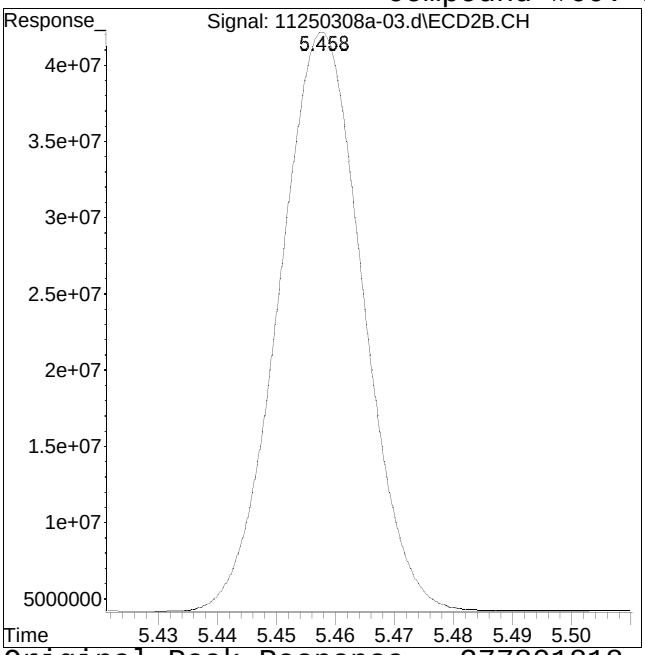


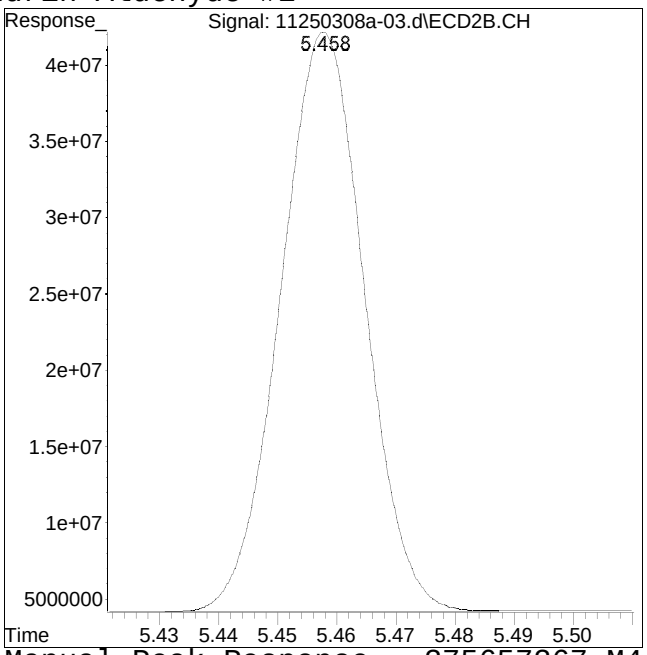
Original Peak Response = 858674712 Manual Peak Response = 843509930 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-03.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:58 Instrument : Pest 11
Sample : wg2038031-1,42,,pest11934 Quant Date : 3/8/2025 6:55 am

Compound #60: Endrin Aldehyde #2



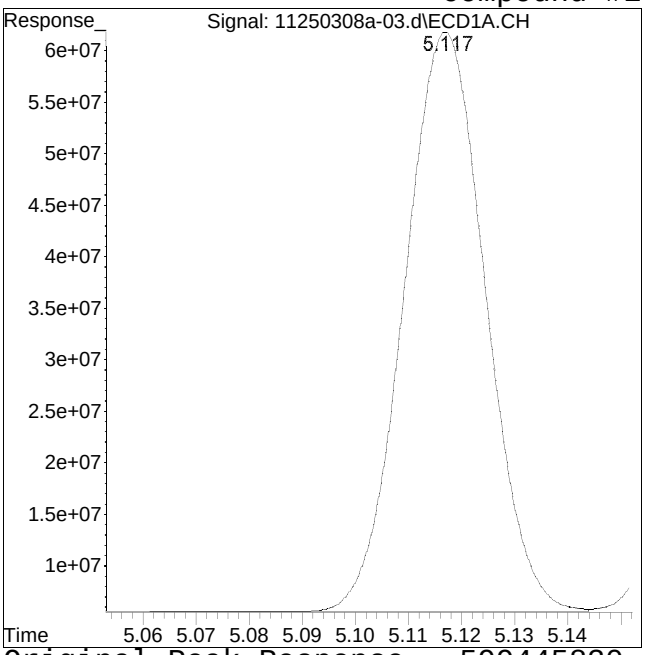


Original Peak Response = 377801818 Manual Peak Response = 375657367 M4
M4 = Poor automated baseline construction.

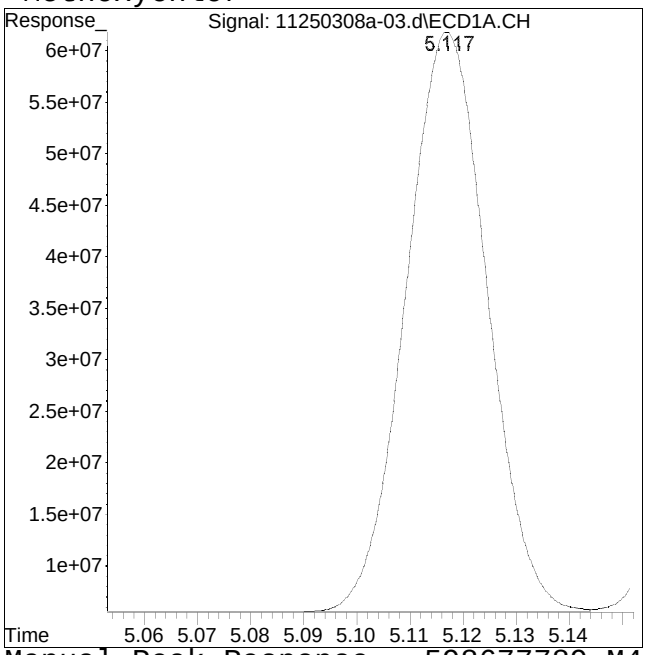
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-03.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:58 Instrument : Pest 11
Sample : wg2038031-1,42,,pest11934 Quant Date : 3/8/2025 6:55 am

Compound #23: Methoxychlor



Original Peak Response = 599445830



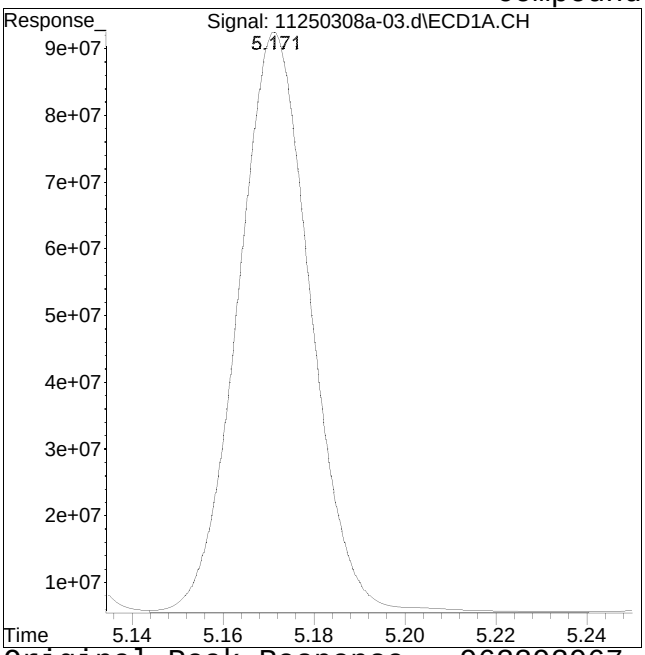
Manual Peak Response = 598677789 M4

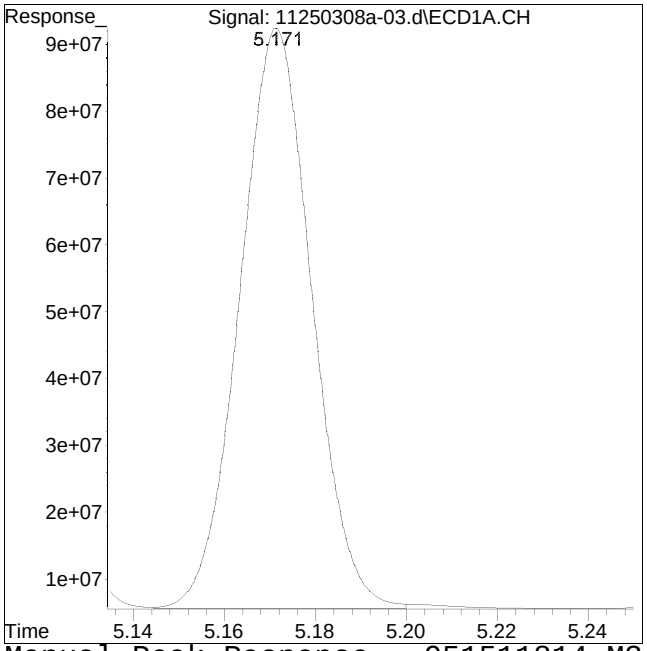
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-03.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:58 Instrument : Pest 11
Sample : wg2038031-1,42,,pest11934 Quant Date : 3/8/2025 6:55 am

Compound #24: Mirex



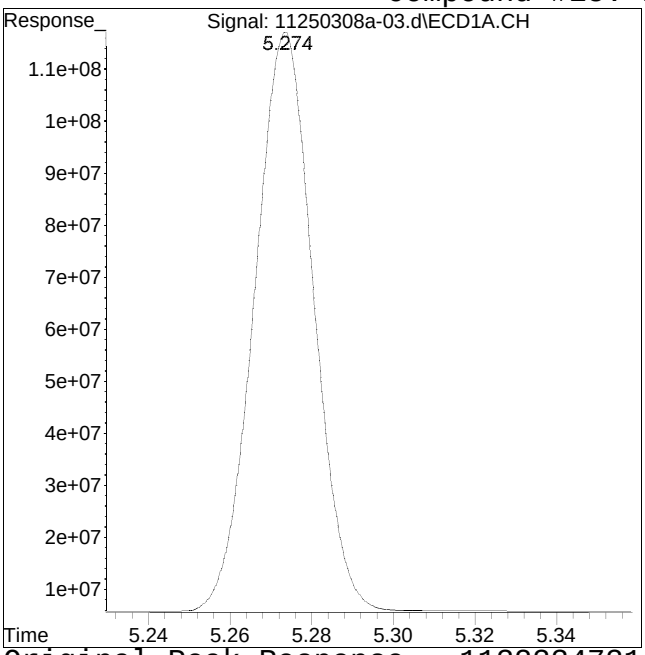


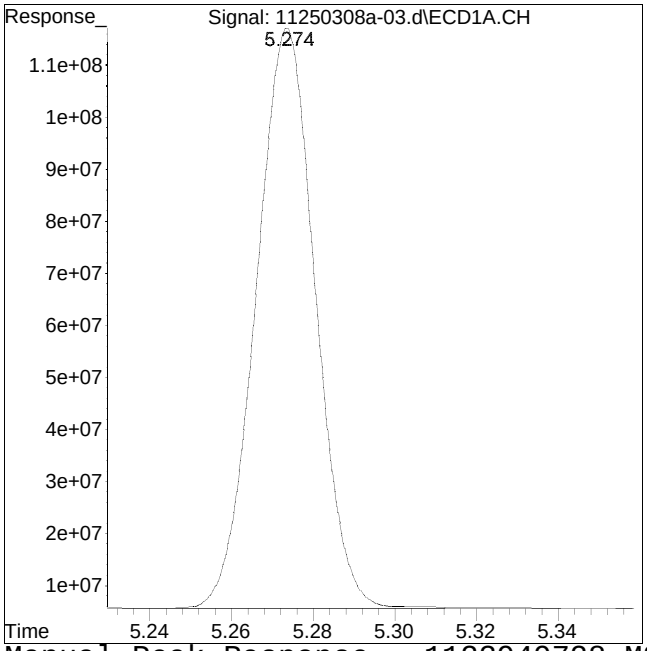
Original Peak Response = 963392967 Manual Peak Response = 951511814 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-03.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:58 Instrument : Pest 11
Sample : wg2038031-1,42,,pest11934 Quant Date : 3/8/2025 6:55 am

Compound #25: Endosulfan Sulfate



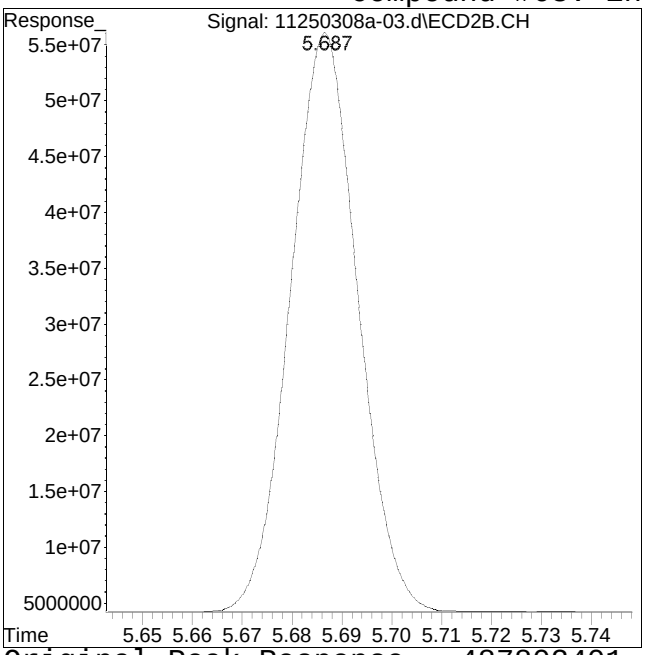


Original Peak Response = 1132334731 Manual Peak Response = 1123949728 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

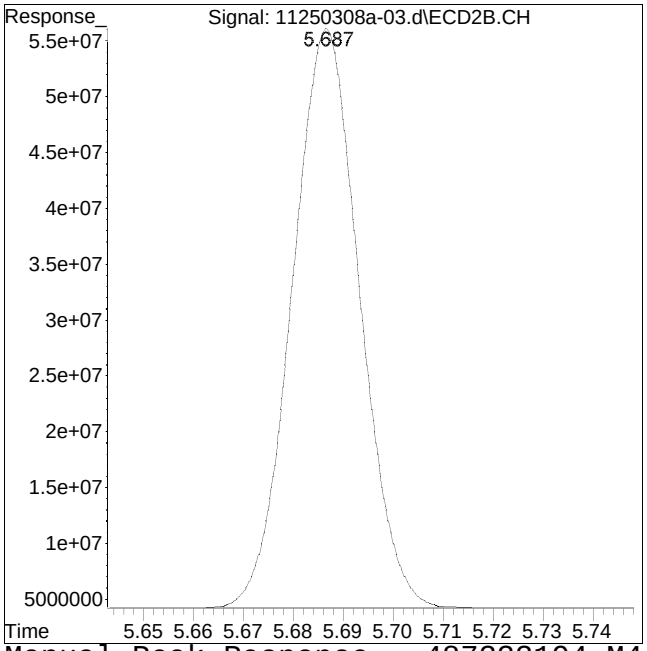
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-03.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:58 Instrument : Pest 11
Sample : wg2038031-1,42,,pest11934 Quant Date : 3/8/2025 6:55 am

Compound #63: Endosulfan Sulfate #2



Original Peak Response = 487802401



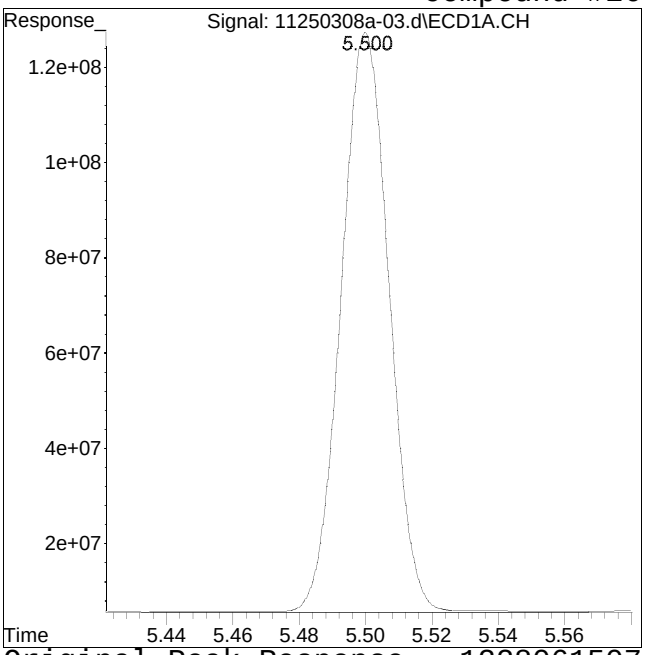
Manual Peak Response = 487333194 M4

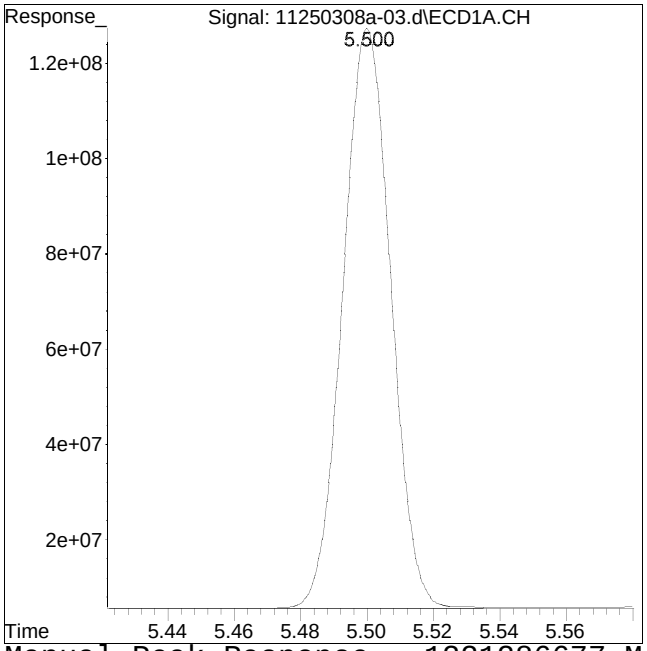
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-03.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:58 Instrument : Pest 11
Sample : wg2038031-1,42,,pest11934 Quant Date : 3/8/2025 6:55 am

Compound #26: Endrin Ketone



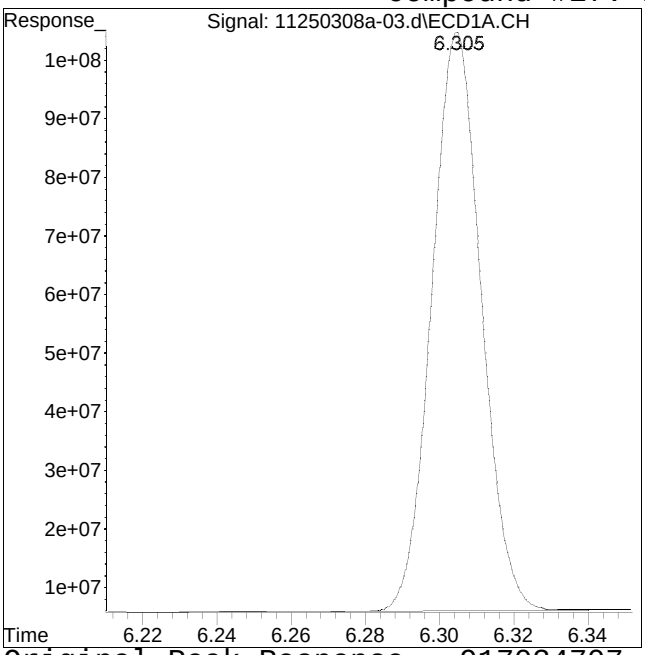


Original Peak Response = 1228061507 Manual Peak Response = 1221286677 M4
M4 = Poor automated baseline construction.

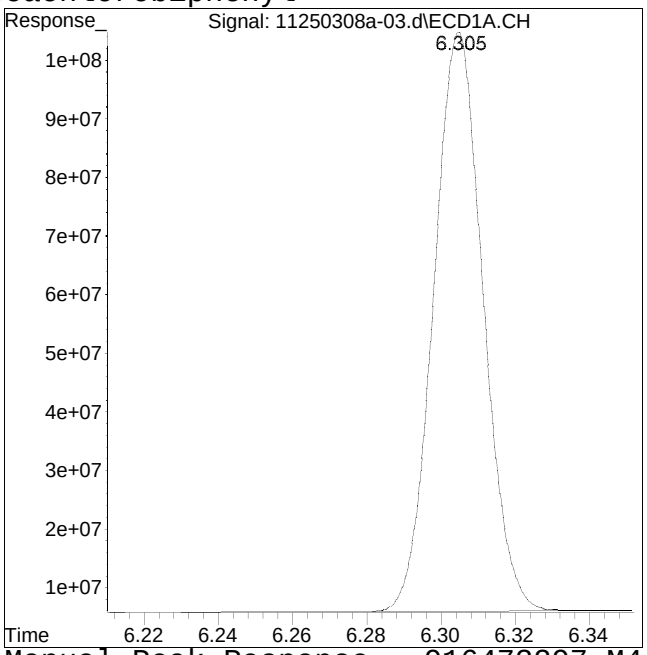
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-03.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:58 Instrument : Pest 11
Sample : wg2038031-1,42,,pest11934 Quant Date : 3/8/2025 6:55 am

Compound #27: Decachlorobiphenyl



Original Peak Response = 917034707

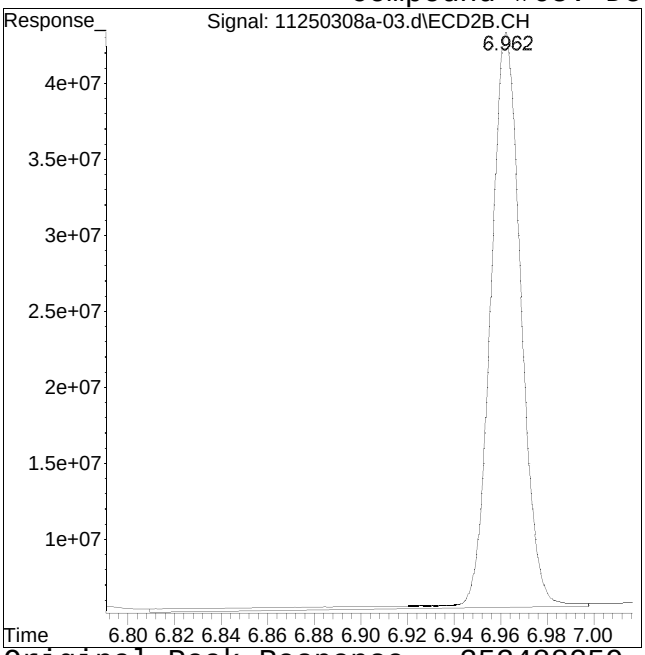


Manual Peak Response = 916473297 M4
M4 = Poor automated baseline construction.

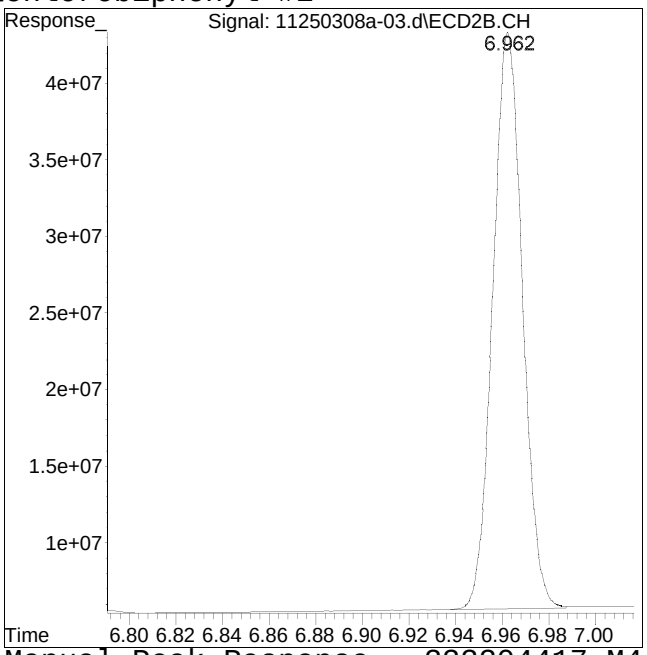
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-03.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:58 Instrument : Pest 11
Sample : wg2038031-1,42,,pest11934 Quant Date : 3/8/2025 6:55 am

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 353488259



Manual Peak Response = 333304417 M4

M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 08 Mar 2025   6:10
Operator : PEST11:peg
Sample   : wg2038031-2,42,,chlor ccv 12008 (Sig #1); chlor ccv 12008 (Sig #2)
Misc   : wg2038031,,ical21853
ALS Vial : 4 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 06:58:35 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 06:58:27 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	114	0.00
29	l1	chlordane-1		*1000.000	872.434	12.8	102	0.00
30	l1	chlordane-3		*1000.000	895.753	10.4	103	0.00
31	l1	chlordane-4		*1000.000	893.709	10.6	103	0.00
32	l1	chlordane-5		*1000.000	906.900	9.3	104	0.00

Signal #2

28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	120	0.00
29	l1	chlordane-1		*1000.000	854.902	14.5	103	0.00
30	l1	chlordane-3		*1000.000	860.913	13.9	102	0.00
31	l1	chlordane-4		*1000.000	855.403	14.5	102	0.00
32	l1	chlordane-5		*1000.000	851.082	14.9	101	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.29#
2	s	2,4,5,6-Tetrachloro-m-xylen		1.214	0.000	100.0#	0#	-1.64#
3	t	Hexachlorobenzene		1.339	0.000	100.0#	0#	-1.85#
4	t	alpha-BHC		1.626	0.000	100.0#	0#	-1.95#
5	t	gamma-BHC (lindane)		1.491	0.000	100.0#	0#	-2.16#
6	t	beta-BHC		0.694	0.000	100.0#	0#	-2.21#
7	t	delta-BHC		1.501	0.000	100.0#	0#	-2.34#
8	t	Heptachlor		1.402	0.000	100.0#	0#	-2.51#
9	t	Aldrin		1.400	0.000	100.0#	0#	-2.75#
10	t	Alachlor		0.208	0.000	100.0#	0#	-2.88#
11	t	Chlorpyrifos		0.763	0.000	100.0#	0#	-2.97#
12	t	Heptachlor Epoxide		1.324	0.000	100.0#	0#	-3.30#
13	t	gamma-Chlordane (trans)		1.279	0.000	100.0#	0#	-3.43#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 08 Mar 2025   6:10
Operator : PEST11:peg
Sample   : wg2038031-2,42,,chlor ccv 12008 (Sig #1); chlor ccv 12008 (Sig #2)
Misc   : wg2038031,,ical21853
ALS Vial : 4 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 06:58:35 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 06:58:27 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
14	t	alpha-Chlordane (cis)		1.451	0.000	100.0#	0#	-3.56#
15	t	4,4'-DDE		1.327	0.000	100.0#	0#	-3.66#
16	t	Endosulfan I		1.270	0.000	100.0#	0#	-3.70#
17	t	Dieldrin		1.316	0.000	100.0#	0#	-3.96#
18	t	Endrin		1.275	0.000	100.0#	0#	-4.22#
19	t	4,4'-DDD		1.003	0.000	100.0#	0#	-4.33#
20	t	Endosulfan II		1.185	0.000	100.0#	0#	-4.46#
21	t	4,4'-DDT		1.089	0.000	100.0#	0#	-4.63#
22	t	Endrin Aldehyde		0.983	0.000	100.0#	0#	-4.88#
23	t	Methoxychlor		0.614	0.000	100.0#	0#	-5.12#
24	t	Mirex		1.142	0.000	100.0#	0#	-5.17#
25	t	Endosulfan Sulfate		1.182	0.000	100.0#	0#	-5.27#
26	t	Endrin Ketone		1.179	0.000	100.0#	0#	-5.50#
27	s	Decachlorobiphenyl		1.150	0.000	100.0#	0#	-6.30#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.29#
34	l2	toxaphene-2		0.066	0.000	100.0#	0#	-4.45#
35	l2	toxaphene-3		0.049	0.000	100.0#	0#	-4.58#
36	l2	toxaphene-4		0.050	0.000	100.0#	0#	-4.80#
37	l2	toxaphene-5		0.045	0.000	100.0#	0#	-5.18#

Signal #2

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.37#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.044	0.000	100.0#	0#	-1.86#
3	t	Hexachlorobenzene		1.181	0.000	100.0#	0#	-2.18#
4	t	alpha-BHC		1.456	0.000	100.0#	0#	-2.28#
5	t	gamma-BHC (lindane)		1.401	0.000	100.0#	0#	-2.57#
6	t	beta-BHC	*	50.000	0.000	100.0#	0	-2.63#
7	t	delta-BHC		1.381	0.000	100.0#	0#	-2.91#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 08 Mar 2025   6:10
Operator : PEST11:peg
Sample   : wg2038031-2,42,,chlor ccv 12008 (Sig #1); chlor ccv 12008 (Sig #2)
Misc   : wg2038031,,ical21853
ALS Vial : 4 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 06:58:35 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 06:58:27 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
8	t	Heptachlor		1.405	0.000	100.0#	0#	-2.97#
9	t	Aldrin		1.255	0.000	100.0#	0#	-3.30#
10	t	Alachlor	*	50.000	0.000	100.0#	0	-3.18#
11	t	Chlorpyrifos		0.788	0.000	100.0#	0#	-3.54#
12	t	Heptachlor Epoxide		1.270	0.000	100.0#	0#	-3.92#
13	t	gamma-Chlordane (trans)		1.131	0.000	100.0#	0#	-4.14#
14	t	alpha-Chlordane (cis)		1.259	0.000	100.0#	0#	-4.31#
15	t	4,4'-DDE		1.178	0.000	100.0#	0#	-4.51#
16	t	Endosulfan I		1.169	0.000	100.0#	0#	-4.37#
17	t	Dieldrin		1.162	0.000	100.0#	0#	-4.66#
18	t	Endrin		1.169	0.000	100.0#	0#	-4.96#
19	t	4,4'-DDD		0.946	0.000	100.0#	0#	-5.08#
20	t	Endosulfan II		1.074	0.000	100.0#	0#	-5.16#
21	t	4,4'-DDT		1.077	0.000	100.0#	0#	-5.36#
22	t	Endrin Aldehyde	*	50.000	0.000	100.0#	0	-5.46#
23	t	Methoxychlor		0.615	0.000	100.0#	0#	-5.93#
24	t	Mirex	*	50.000	0.000	100.0#	0	-6.07#
25	t	Endosulfan Sulfate		1.058	0.000	100.0#	0#	-5.69#
26	t	Endrin Ketone		1.110	0.000	100.0#	0#	-6.10#
27	s	Decachlorobiphenyl		0.922	0.000	100.0#	0#	-6.96#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.37#
34	l2	toxaphene-2	*	2000.000	0.000	100.0#	0	-5.12#
35	l2	toxaphene-3	*	2000.000	0.000	100.0#	0	-5.15#
36	l2	toxaphene-4	*	2000.000	0.000	100.0#	0	-5.47#
37	l2	toxaphene-5	*	2000.000	0.000	100.0#	0	-5.88#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 6:10
Operator : PEST11:peg
Sample : wg2038031-2,42,,chlor ccv 12008 (Sig #1); chlor ccv 12008 (Sig #2)
Misc : wg2038031,,ical21853
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 06:58:35 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 06:58:27 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.290	1.368	385.6E6	226.1E6	25.000M3	25.000M4
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 6:10
Operator : PEST11:peg
Sample : wg2038031-2,42,,chlor ccv 12008 (Sig #1); chlor ccv 12008 (Sig #2)
Misc : wg2038031,,ical21853
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 06:58:35 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 06:58:27 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d	
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d	
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d	
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d	
29) l1	chlordane-1	2.445	2.835	652.2E6	295.2E6	872.434	854.902	
30) l1	chlordane-3	2.867	3.451	771.8E6	346.6E6	895.753	860.913	
31) l1	chlordane-4	3.429	4.143	2949.7E6	1227.0E6	893.709	855.403	
32) l1	chlordane-5	3.557	4.313	4619.0E6	939.3E6	906.900	851.082	
Sum	chlordane-1			8992.7E6	2808.2E6	N.D.	N.D.	D
Average	chlordane-1					892.199	855.575	
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d	
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d	
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d	
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d	
Sum	toxaphene-2			0	0	N.D.	N.D.	
Average	toxaphene-2					0.000	0.000	

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.	
Average	toxaphene-2					0.000	0.000	

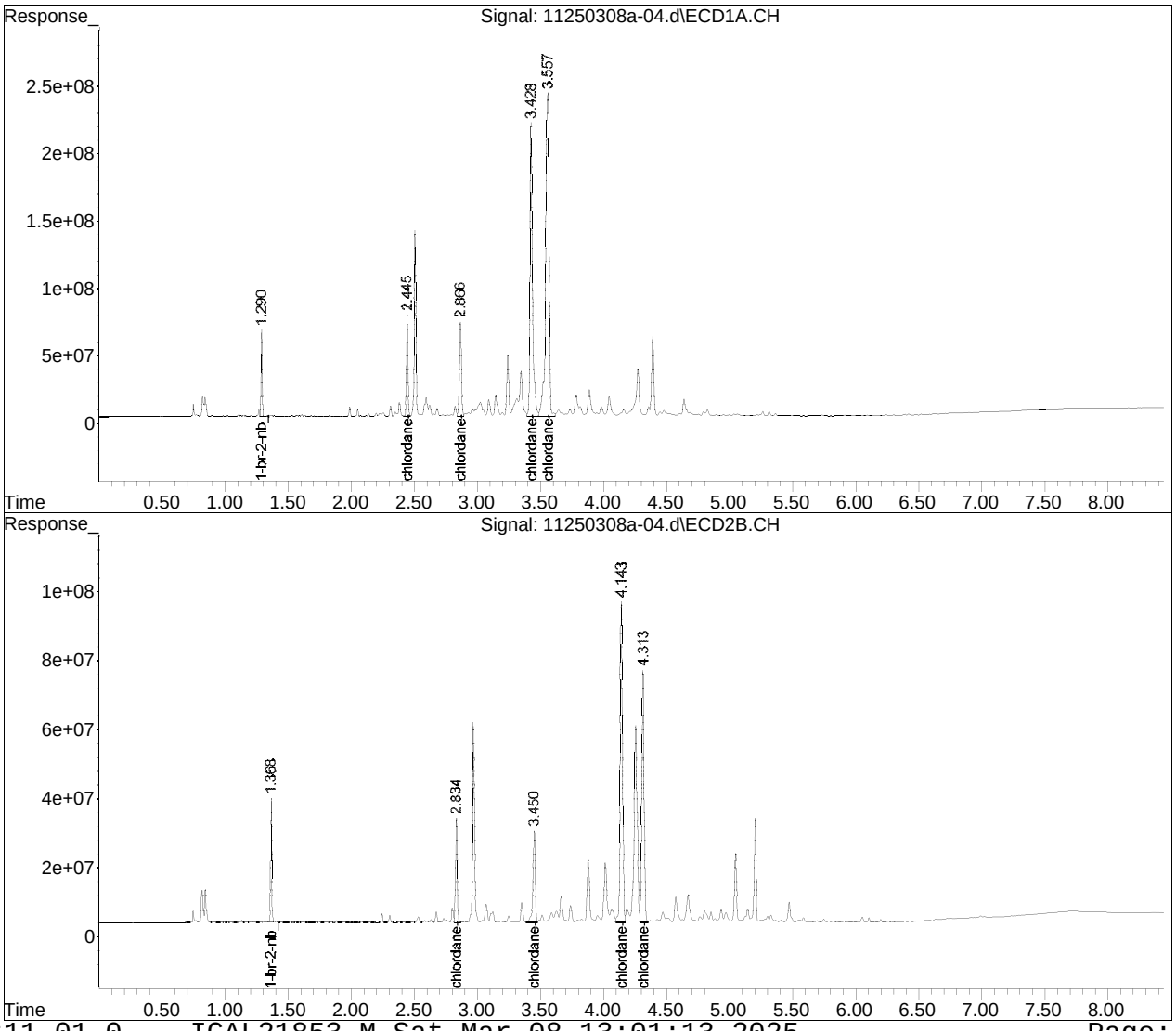
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 6:10
Operator : PEST11:peg
Sample : wg2038031-2,42,,chlor ccv 12008 (Sig #1); chlor ccv 12008 (Sig #2)
Misc : wg2038031,,ical21853
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 06:58:35 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 06:58:27 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

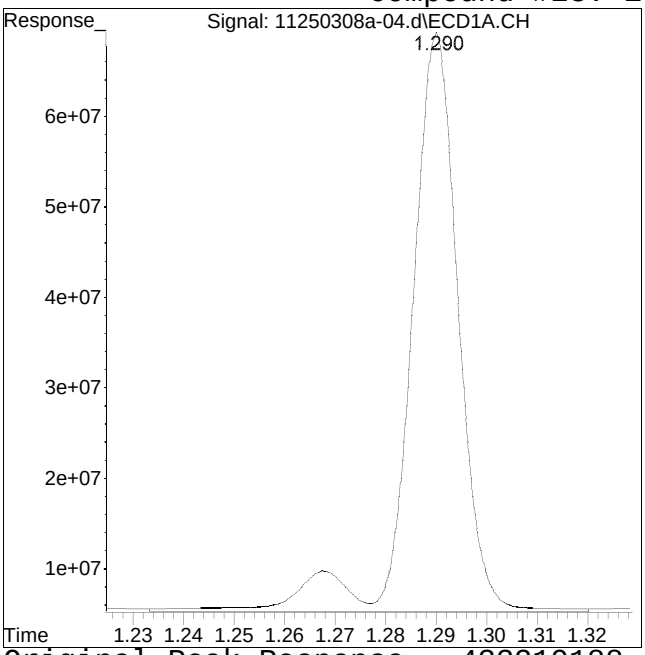
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

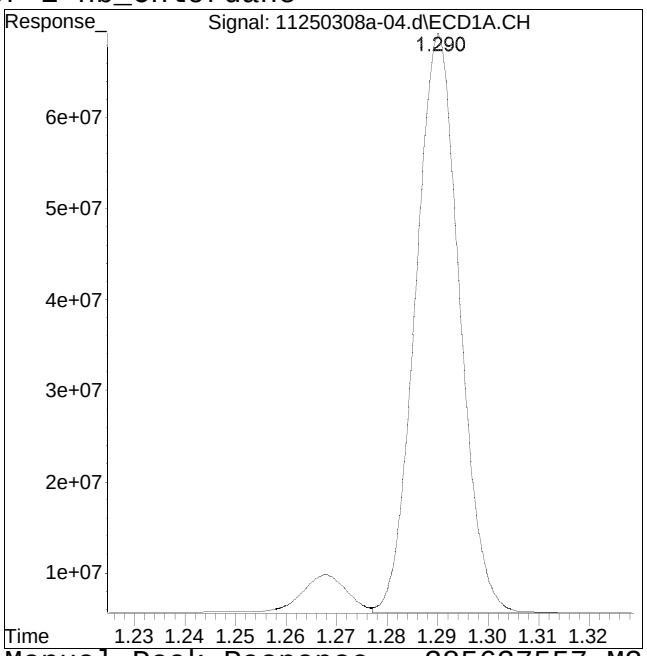


Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-04.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 6:10 Instrument : Pest 11
Sample : wg2038031-2,42,,chlor ccv Quant Date : 3/8/2025 6:58 am

Compound #28: 1-br-2-nb_Chlordane



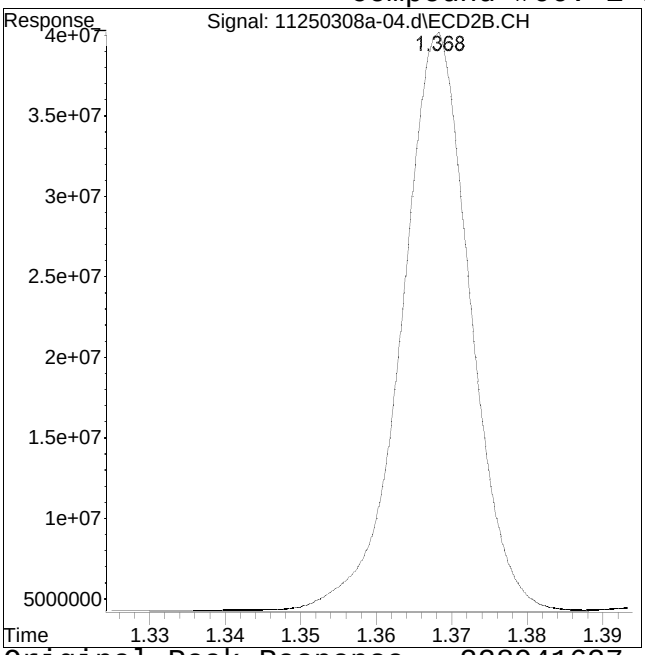


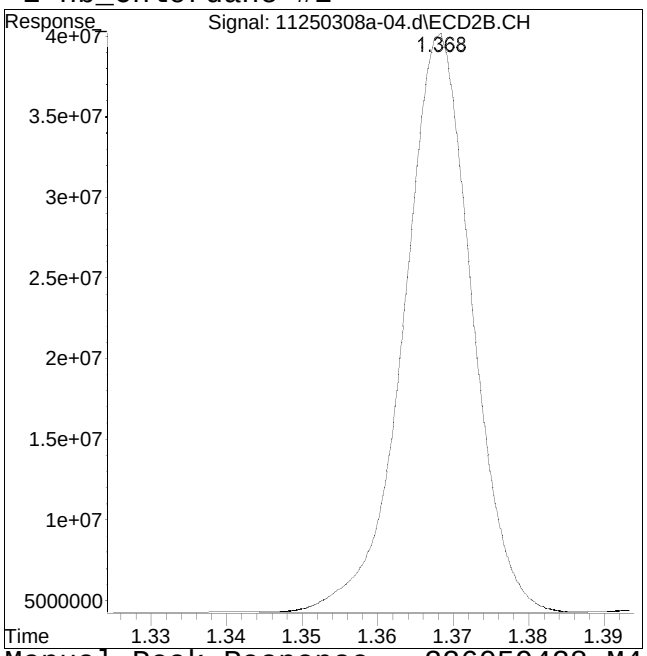
Original Peak Response = 433219188 Manual Peak Response = 385637557 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-04.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 6:10 Instrument : Pest 11
Sample : wg2038031-2,42,,chlor ccv Quant Date : 3/8/2025 6:58 am

Compound #66: 1-br-2-nb_Chlordane #2





Original Peak Response = 228941637 Manual Peak Response = 226059428 M4
M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 08 Mar 2025   6:22
Operator : PEST11:peg
Sample   : wg2038031-3,42,,tox11899 (Sig #1); tox11899 (Sig #2)
Misc   : wg2038031,,ical21853
ALS Vial : 5 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 07:01:10 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:01:02 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	100	0.00
34	l2	toxaphene-2		0.066	0.086	-30.3#	125	0.00
35	l2	toxaphene-3		0.049	0.060	-22.4#	113	0.00
36	l2	toxaphene-4		0.050	0.061	-22.0#	117	0.00
37	l2	toxaphene-5		0.045	0.056	-24.4#	120	0.00

Signal #2

33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	109	0.00
34	l2	toxaphene-2		*2000.000	1978.996	1.1	104	0.00
35	l2	toxaphene-3		*2000.000	1981.187	0.9	105	0.00
36	l2	toxaphene-4		*2000.000	1870.392	6.5	100	0.00
37	l2	toxaphene-5		*2000.000	1976.740	1.2	105	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.29#
2	s	2,4,5,6-Tetrachloro-m-xylen		1.214	0.000	100.0#	0#	-1.64#
3	t	Hexachlorobenzene		1.339	0.000	100.0#	0#	-1.85#
4	t	alpha-BHC		1.626	0.000	100.0#	0#	-1.95#
5	t	gamma-BHC (lindane)		1.491	0.000	100.0#	0#	-2.16#
6	t	beta-BHC		0.694	0.000	100.0#	0#	-2.21#
7	t	delta-BHC		1.501	0.000	100.0#	0#	-2.34#
8	t	Heptachlor		1.402	0.000	100.0#	0#	-2.51#
9	t	Aldrin		1.400	0.000	100.0#	0#	-2.75#
10	t	Alachlor		0.208	0.000	100.0#	0#	-2.88#
11	t	Chlorpyrifos		0.763	0.000	100.0#	0#	-2.97#
12	t	Heptachlor Epoxide		1.324	0.000	100.0#	0#	-3.30#
13	t	gamma-Chlordane (trans)		1.279	0.000	100.0#	0#	-3.43#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 08 Mar 2025   6:22
Operator : PEST11:peg
Sample   : wg2038031-3,42,,tox11899 (Sig #1); tox11899 (Sig #2)
Misc   : wg2038031,,ical21853
ALS Vial : 5 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 07:01:10 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:01:02 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
14	t	alpha-Chlordane (cis)		1.451	0.000	100.0#	0#	-3.56#
15	t	4,4'-DDE		1.327	0.000	100.0#	0#	-3.66#
16	t	Endosulfan I		1.270	0.000	100.0#	0#	-3.70#
17	t	Dieldrin		1.316	0.000	100.0#	0#	-3.96#
18	t	Endrin		1.275	0.000	100.0#	0#	-4.22#
19	t	4,4'-DDD		1.003	0.000	100.0#	0#	-4.33#
20	t	Endosulfan II		1.185	0.000	100.0#	0#	-4.46#
21	t	4,4'-DDT		1.089	0.000	100.0#	0#	-4.63#
22	t	Endrin Aldehyde		0.983	0.000	100.0#	0#	-4.88#
23	t	Methoxychlor		0.614	0.000	100.0#	0#	-5.12#
24	t	Mirex		1.142	0.000	100.0#	0#	-5.17#
25	t	Endosulfan Sulfate		1.182	0.000	100.0#	0#	-5.27#
26	t	Endrin Ketone		1.179	0.000	100.0#	0#	-5.50#
27	s	Decachlorobiphenyl		1.150	0.000	100.0#	0#	-6.30#
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.29#
29	l1	chlordane-1		*1000.000	0.000	100.0#	0	-2.44#
30	l1	chlordane-3		*1000.000	0.000	100.0#	0	-2.87#
31	l1	chlordane-4		*1000.000	0.000	100.0#	0	-3.43#
32	l1	chlordane-5		*1000.000	0.000	100.0#	0	-3.56#

Signal #2

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.37#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.044	0.000	100.0#	0#	-1.86#
3	t	Hexachlorobenzene		1.181	0.000	100.0#	0#	-2.18#
4	t	alpha-BHC		1.456	0.000	100.0#	0#	-2.28#
5	t	gamma-BHC (lindane)		1.401	0.000	100.0#	0#	-2.57#
6	t	beta-BHC		* 50.000	0.000	100.0#	0	-2.63#
7	t	delta-BHC		1.381	0.000	100.0#	0#	-2.91#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 08 Mar 2025   6:22
Operator : PEST11:peg
Sample   : wg2038031-3,42,,tox11899 (Sig #1); tox11899 (Sig #2)
Misc   : wg2038031,,ical21853
ALS Vial : 5 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 07:01:10 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:01:02 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
8	t	Heptachlor		1.405	0.000	100.0#	0#	-2.97#
9	t	Aldrin		1.255	0.000	100.0#	0#	-3.30#
10	t	Alachlor	*	50.000	0.000	100.0#	0	-3.18#
11	t	Chlorpyrifos		0.788	0.000	100.0#	0#	-3.54#
12	t	Heptachlor Epoxide		1.270	0.000	100.0#	0#	-3.92#
13	t	gamma-Chlordane (trans)		1.131	0.000	100.0#	0#	-4.14#
14	t	alpha-Chlordane (cis)		1.259	0.000	100.0#	0#	-4.31#
15	t	4,4'-DDE		1.178	0.000	100.0#	0#	-4.51#
16	t	Endosulfan I		1.169	0.000	100.0#	0#	-4.37#
17	t	Dieldrin		1.162	0.000	100.0#	0#	-4.66#
18	t	Endrin		1.169	0.000	100.0#	0#	-4.96#
19	t	4,4'-DDD		0.946	0.000	100.0#	0#	-5.08#
20	t	Endosulfan II		1.074	0.000	100.0#	0#	-5.16#
21	t	4,4'-DDT		1.077	0.000	100.0#	0#	-5.36#
22	t	Endrin Aldehyde	*	50.000	0.000	100.0#	0	-5.46#
23	t	Methoxychlor		0.615	0.000	100.0#	0#	-5.93#
24	t	Mirex	*	50.000	0.000	100.0#	0	-6.07#
25	t	Endosulfan Sulfate		1.058	0.000	100.0#	0#	-5.69#
26	t	Endrin Ketone		1.110	0.000	100.0#	0#	-6.10#
27	s	Decachlorobiphenyl		0.922	0.000	100.0#	0#	-6.96#
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.37#
29	l1	chlordane-1		*1000.000	0.000	100.0#	0	-2.83#
30	l1	chlordane-3		*1000.000	0.000	100.0#	0	-3.45#
31	l1	chlordane-4		*1000.000	0.000	100.0#	0	-4.14#
32	l1	chlordane-5		*1000.000	0.000	100.0#	0	-4.31#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 6:22
Operator : PEST11:peg
Sample : wg2038031-3,42,,tox11899 (Sig #1); tox11899 (Sig #2)
Misc : wg2038031,,ical21853
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 07:01:10 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:01:02 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.292	1.369	352.9E6	208.2E6	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 6:22
Operator : PEST11:peg
Sample : wg2038031-3,42,,tox11899 (Sig #1); tox11899 (Sig #2)
Misc : wg2038031,,ical21853
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 07:01:10 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:01:02 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	4.453	5.120	2437.2E6	373.0E6	2597.720	1978.996
35) l2	toxaphene-3	4.577	5.148	1693.8E6	551.5E6	2473.832	1981.187
36) l2	toxaphene-4	4.804	5.467	1728.2E6	619.1E6	2429.854	1870.392
37) l2	toxaphene-5	5.181	5.876	1591.9E6	593.0E6	2496.655	1976.740
Sum	toxaphene-2			7451.1E6	2136.7E6	9998.061	7807.317
Average	toxaphene-2					2499.515	1951.829

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			7451.1E6	2136.7E6	9998.061	7807.317
Average	toxaphene-2					2499.515	1951.829

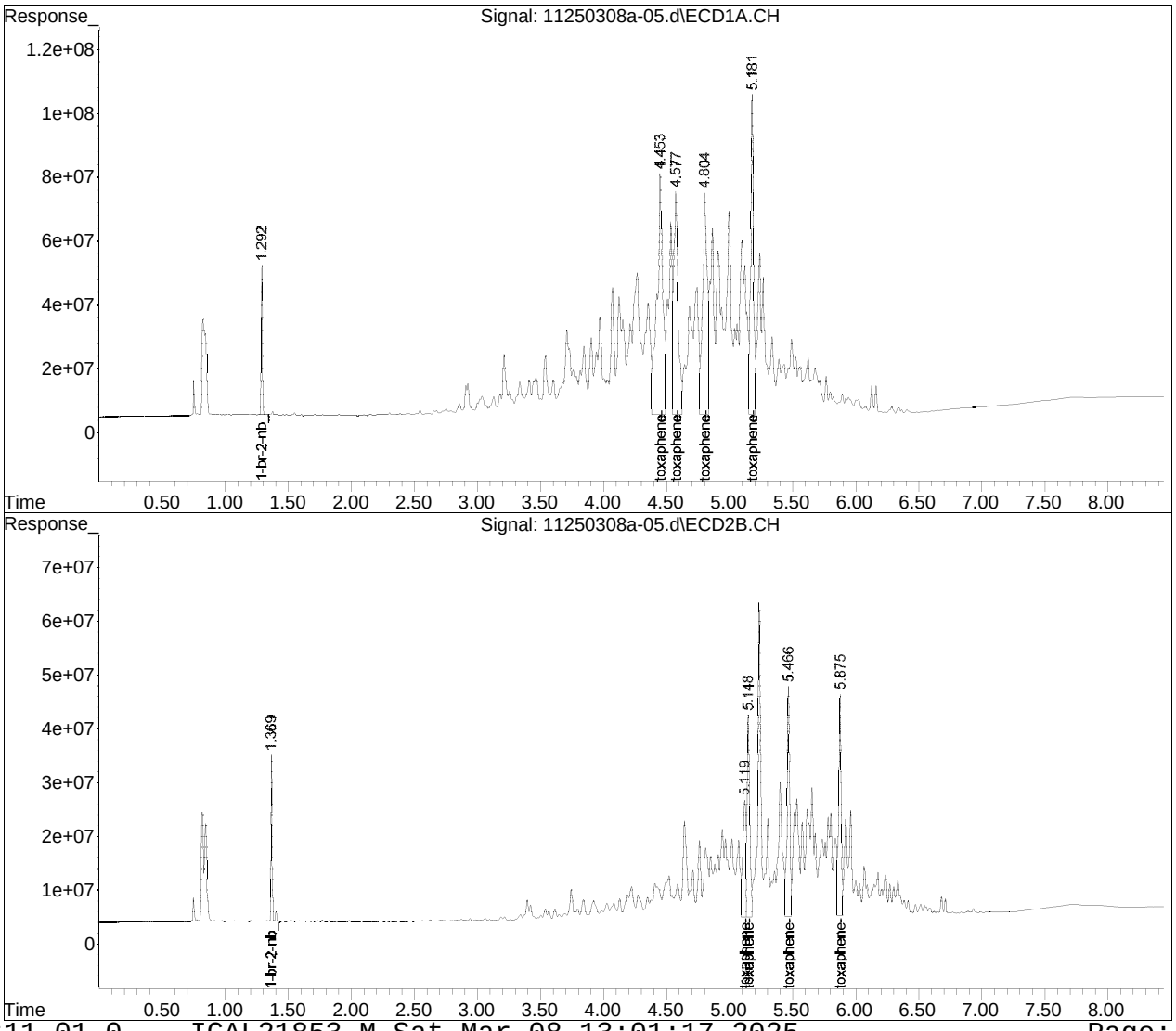
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 6:22
Operator : PEST11:peg
Sample : wg2038031-3,42,,tox11899 (Sig #1); tox11899 (Sig #2)
Misc : wg2038031,,ical21853
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 07:01:10 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:01:02 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

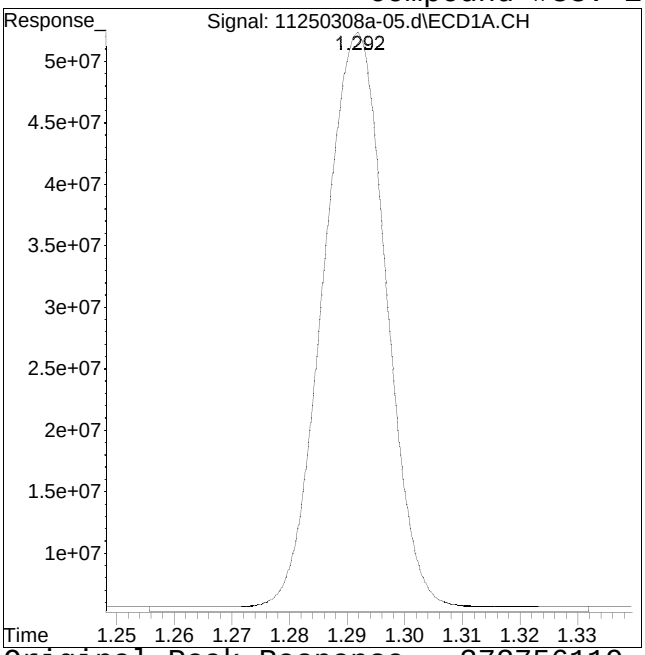
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



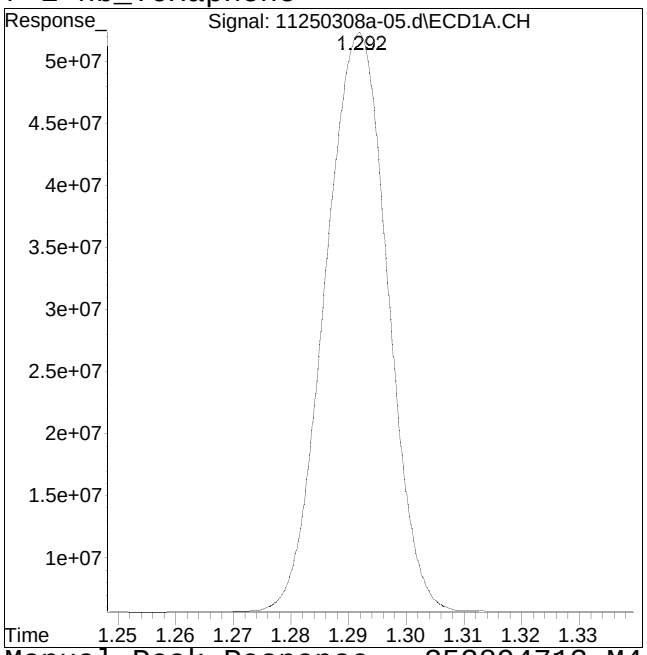
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-05.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 6:22 Instrument : Pest 11
Sample : wg2038031-3,42,,tox11899 Quant Date : 3/8/2025 7:01 am

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 372756119



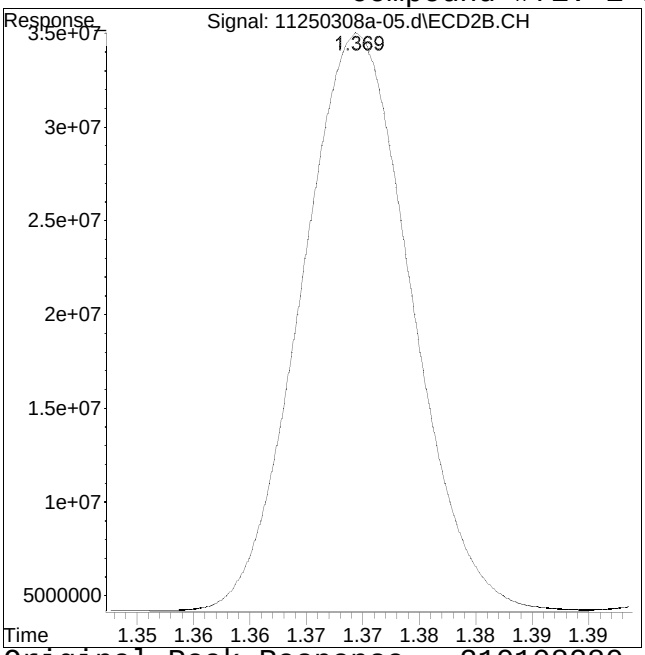
Manual Peak Response = 352894713 M4

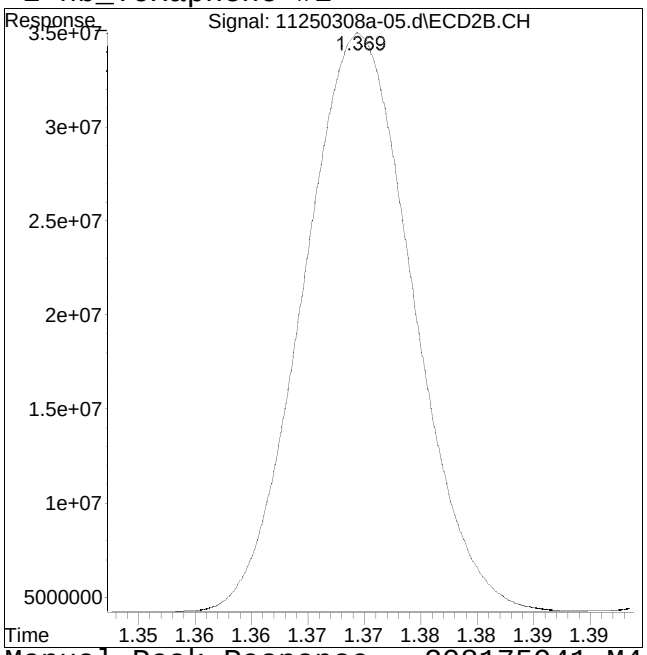
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-05.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 6:22 Instrument : Pest 11
Sample : wg2038031-3,42,,tox11899 Quant Date : 3/8/2025 7:01 am

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 210108280 Manual Peak Response = 208175941 M4
M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest20\2025\250309a\
Data File : 20250308a-03.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 09 Mar 2025 11:21
Operator : pest20:dlp
Sample   : wg2038287-1,42,,pest11934 (Sig #1); pest11934 (Sig #2)
Misc   : wg2038287,,ical21840
ALS Vial : 3   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 09 12:03:28 2025
Quant Method : I:\PEST\Pest20\2025\250309a\pest20_2025_01_03_ugL_ICAL21840.m
Quant Title : pest
QLast Update : Sun Mar 09 12:03:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	122	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.173	1.235	-5.3	134	0.00
3		Hexachlorobenzene		1.275	1.291	-1.3	136	0.00
4		alpha-BHC		1.456	1.603	-10.1	134	0.00
5		gamma-BHC (lindane)		1.399	1.424	-1.8	131	0.00
6		beta-BHC		0.673	0.650	3.4	131	0.00
7		delta-BHC		1.367	1.446	-5.8	132	0.00
8		Heptachlor		1.361	1.262	7.3	120	0.00
9		Aldrin		1.290	1.348	-4.5	132	0.00
10		Alachlor		0.231	0.239	-3.5	138	0.00
11		Chlorpyrifos	*	50.000	56.823	-13.6	128	0.00
12		Heptachlor Epoxide		1.249	1.240	0.7	129	0.00
13		gamma-Chlordane (trans)		1.140	1.237	-8.5	141	0.00
14		alpha-Chlordane (cis)		1.300	1.229	5.5	123	0.00
15		4,4'-DDE		1.256	1.212	3.5	120	0.00
16		Endosulfan I		1.202	1.140	5.2	123	0.00
17		Dieldrin		1.238	1.284	-3.7	132	0.00
18		Endrin		1.270	1.219	4.0	122	0.00
19		4,4'-DDD		1.010	1.002	0.8	124	0.00
20		Endosulfan II		1.112	1.054	5.2	122	0.00
21		4,4'-DDT		1.094	0.835	23.7#	96	0.00
22		Endrin Aldehyde	*	50.000	46.868	6.3	109	0.00
23		Methoxychlor		0.632	0.461	27.1#	94	0.00
24		Mirex	*	50.000	51.183	-2.4	116	0.00
25		Endosulfan Sulfate		1.066	0.994	6.8	123	0.00
26		Endrin Ketone		1.216	1.109	8.8	118	0.00
27	s	Decachlorobiphenyl	*	50.000	52.097	-4.2	118	0.00

Signal #2

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest20\2025\250309a\
Data File : 20250308a-03.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 09 Mar 2025 11:21
Operator : pest20:dlp
Sample   : wg2038287-1,42,,pest11934 (Sig #1); pest11934 (Sig #2)
Misc   : wg2038287,,ical21840
ALS Vial : 3   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 09 12:03:28 2025
Quant Method : I:\PEST\Pest20\2025\250309a\pest20_2025_01_03_ugL_ICAL21840.m
Quant Title : pest
QLast Update : Sun Mar 09 12:03:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	97	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl		1.114	1.185	-6.4	106	0.00
3		Hexachlorobenzene		1.189	1.242	-4.5	109	0.00
4		alpha-BHC		1.411	1.594	-13.0	106	0.00
5		gamma-BHC (lindane)		1.343	1.426	-6.2	104	0.00
6		beta-BHC		0.637	0.645	-1.3	104	0.00
7		delta-BHC		1.307	1.441	-10.3	105	0.00
8		Heptachlor		1.281	1.273	0.6	99	0.00
9		Aldrin		1.197	1.321	-10.4	106	0.00
10		Alachlor		0.192	0.196	-2.1	101	0.00
11		Chlorpyrifos		0.634	0.611	3.6	102	0.00
12		Heptachlor Epoxide		1.164	1.237	-6.3	105	0.00
13		gamma-Chlordane (trans)		1.060	1.214	-14.5	113	0.00
14		alpha-Chlordane (cis)		1.191	1.193	-0.2	100	0.00
15		4,4'-DDE		1.107	1.140	-3.0	97	0.00
16		Endosulfan I		1.116	1.128	-1.1	100	0.00
17		Dieldrin		1.141	1.250	-9.6	106	0.00
18		Endrin		1.205	1.178	2.2	97	0.00
19		4,4'-DDD		0.878	0.947	-7.9	102	0.00
20		Endosulfan II		1.033	1.063	-2.9	101	0.00
21		4,4'-DDT		1.032	0.848	17.8	79	0.00
22		Endrin Aldehyde		0.816	0.752	7.8	86	0.00
23		Methoxychlor		0.555	0.446	19.6	79	0.00
24		Mirex		0.915	0.840	8.2	95	0.00
25		Endosulfan Sulfate		0.983	0.982	0.1	100	0.00
26		Endrin Ketone		1.125	1.135	-0.9	99	0.00
27	s	Decachlorobiphenyl		0.927	0.913	1.5	101	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest20\2025\250309a\
Data File : 20250308a-03.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 09 Mar 2025 11:21
Operator : pest20:dlp
Sample   : wg2038287-1,42,,pest11934 (Sig #1); pest11934 (Sig #2)
Misc   : wg2038287,,ical21840
ALS Vial : 3   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 09 12:03:28 2025
Quant Method : I:\PEST\Pest20\2025\250309a\pest20_2025_01_03_ugL_ICAL21840.m
Quant Title : pest
QLast Update : Sun Mar 09 12:03:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.90#
29	l1	chlordane-1		*1000.000	0.000	100.0#	0	-3.34#
30	l1	chlordane-3		*1000.000	0.000	100.0#	0	-3.82#
31	l1	chlordane-4		*1000.000	0.000	100.0#	0	-4.44#
32	l1	chlordane-5		*1000.000	0.000	100.0#	0	-4.58#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.90#
34	l2	toxaphene-1		0.065	0.000	100.0#	0#	-5.46#
35	l2	toxaphene-2		0.038	0.000	100.0#	0#	-5.98#
36	l2	toxaphene-4		0.055	0.000	100.0#	0#	-6.07#
37	l2	toxaphene-5		0.046	0.000	100.0#	0#	-6.16#

Signal #2

28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.95#
29	l1	chlordane-1		*1000.000	0.000	100.0#	0	-3.64#
30	l1	chlordane-3		*1000.000	0.000	100.0#	0	-4.29#
31	l1	chlordane-4		*1000.000	0.000	100.0#	0	-5.01#
32	l1	chlordane-5		*1000.000	0.000	100.0#	0	-5.17#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.95#
34	l2	toxaphene-1		0.024	0.000	100.0#	0#	-5.95#
35	l2	toxaphene-2		0.036	0.000	100.0#	0#	-5.98#
36	l2	toxaphene-4		0.042	0.000	100.0#	0#	-6.29#
37	l2	toxaphene-5		0.040	0.000	100.0#	0#	-6.70#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250309a\
Data File : 20250308a-03.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Mar 2025 11:21
Operator : pest20:dlp
Sample : wg2038287-1,42,,pest11934 (Sig #1); pest11934 (Sig #2)
Misc : wg2038287,,ical21840
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 09 12:03:28 2025
Quant Method : I:\PEST\Pest20\2025\250309a\pest20_2025_01_03_ugL_ICAL21840.m
Quant Title : pest
QLast Update : Sun Mar 09 12:03:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.899	1.947	101.6E6	148.9E6	25.000M4	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.371	2.547	251.0E6	353.0E6	52.626M3	53.201M3
	Spiked Amount 50.000	Range 30 - 150		Recovery =		105.25%	106.40%
27) s	Decachlorobi	7.260	7.808	207.3E6	271.9E6	52.097M4	49.248M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		104.19%	98.50%
	Target Compounds						
3)	Hexachlorobe	2.639	2.921	262.4E6	370.0E6	50.623M3	52.259
4)	alpha-BHC	2.761	3.031	326.0E6	474.8E6	55.054M4	56.510M4
5)	gamma-BHC (l	3.004	3.351	289.5E6	424.8E6	50.886M3	53.120M4
6)	beta-BHC	3.073	3.428	132.2E6	192.0E6	48.323M4	50.600M3
7)	delta-BHC	3.222	3.718	294.1E6	429.2E6	52.890M4	55.150M4
8)	Heptachlor	3.409	3.783	256.5E6	378.9E6	46.357M4	49.670
9)	Aldrin	3.685	4.126	274.1E6	393.5E6	52.267M4	55.212M4
10)	Alachlor	3.826	4.007	48597002	58443331	51.631M4	51.049
11)	Chlorpyrifos	3.930	4.384	125.0E6	181.8E6	56.823	48.130M4

Data Path : I:\PEST\Pest20\2025\250309a\
Data File : 20250308a-03.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Mar 2025 11:21
Operator : pest20:dlp
Sample : wg2038287-1,42,,pest11934 (Sig #1); pest11934 (Sig #2)
Misc : wg2038287,,ical21840
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 09 12:03:28 2025
Quant Method : I:\PEST\Pest20\2025\250309a\pest20_2025_01_03_ugL_ICAL21840.m
Quant Title : pest
QLast Update : Sun Mar 09 12:03:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)		Heptachlor E	4.294	4.780	252.0E6	368.3E6	49.636M4	53.127
13)		gamma-Chlord	4.431	5.003	251.6E6	361.4E6	54.255M4	57.243M4
14)		alpha-Chlord	4.577	5.164	249.9E6	355.3E6	47.260M4	50.072
15)		4,4'-DDE	4.683	5.353	246.5E6	339.4E6	48.261M4	51.491M4
16)		Endosulfan I	4.725	5.223	231.7E6	335.9E6	47.389M4	50.524
17)		Dieldrin	4.998	5.504	261.1E6	372.1E6	51.858M4	54.742M4
18)		Endrin	5.240	5.795	247.9E6	350.9E6	47.990M4	48.874M4
19)		4,4'-DDD	5.339	5.912	203.8E6	281.9E6	49.600M4	53.937M4
20)		Endosulfan I	5.466	5.991	214.3E6	316.4E6	47.403M4	51.411M4
21)		4,4'-DDT	5.615	6.184	169.8E6	252.6E6	38.169M4	41.115M4
22)		Endrin Aldeh	5.864	6.282	161.9E6	224.1E6	46.868M3	46.094M4
23)		Methoxychlor	6.079	6.742	93683027	132.8E6	36.447M3	40.178M4
24)		Mirex	6.150	6.887	183.9E6	250.0E6	51.183M4	45.893
25)		Endosulfan S	6.244	6.508	202.1E6	292.4E6	46.645M4	49.962M4
26)		Endrin Keton	6.469	6.921	225.5E6	337.9E6	45.599M4	50.417
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest20\2025\250309a\
Data File : 20250308a-03.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Mar 2025 11:21
Operator : pest20:dlp
Sample : wg2038287-1,42,,pest11934 (Sig #1); pest11934 (Sig #2)
Misc : wg2038287,,ical21840
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 09 12:03:28 2025
Quant Method : I:\PEST\Pest20\2025\250309a\pest20_2025_01_03_ugL_ICAL21840.m
Quant Title : pest
QLast Update : Sun Mar 09 12:03:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

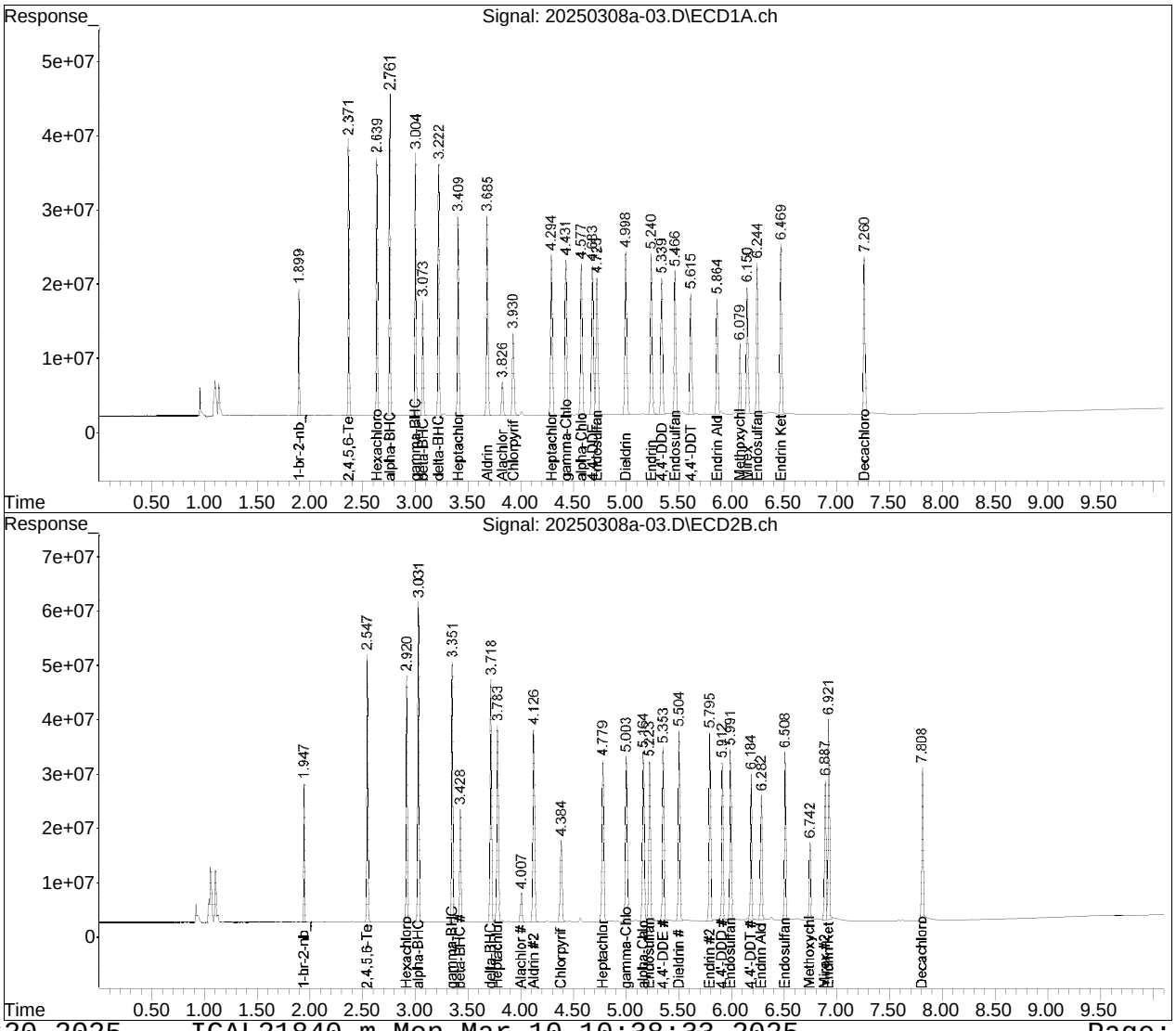
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2025\250309a\
Data File : 20250308a-03.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Mar 2025 11:21
Operator : pest20:dlp
Sample : wg2038287-1,42,,pest11934 (Sig #1); pest11934 (Sig #2)
Misc : wg2038287,,ical21840
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 09 12:03:28 2025
Quant Method : I:\PEST\Pest20\2025\250309a\pest20_2025_01_03_ugL_ICAL21840.m
Quant Title : pest
QLast Update : Sun Mar 09 12:03:04 2025
Response via : Initial Calibration
Integrator: ChemStation

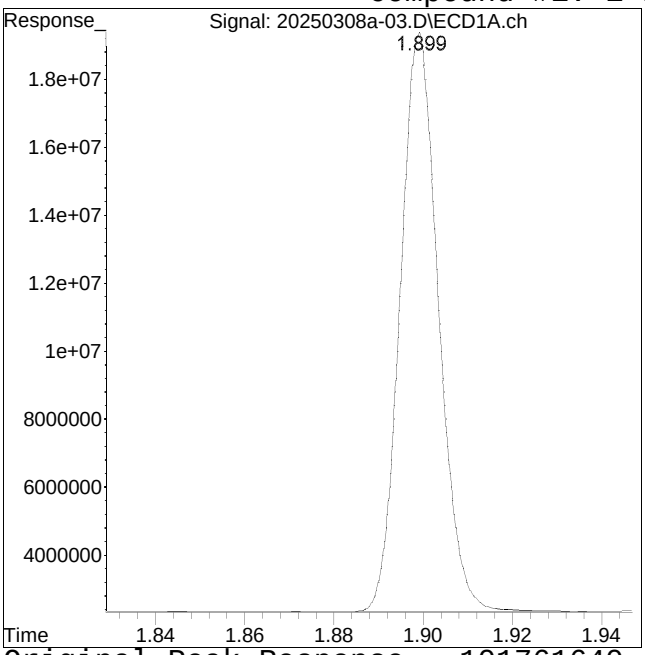
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



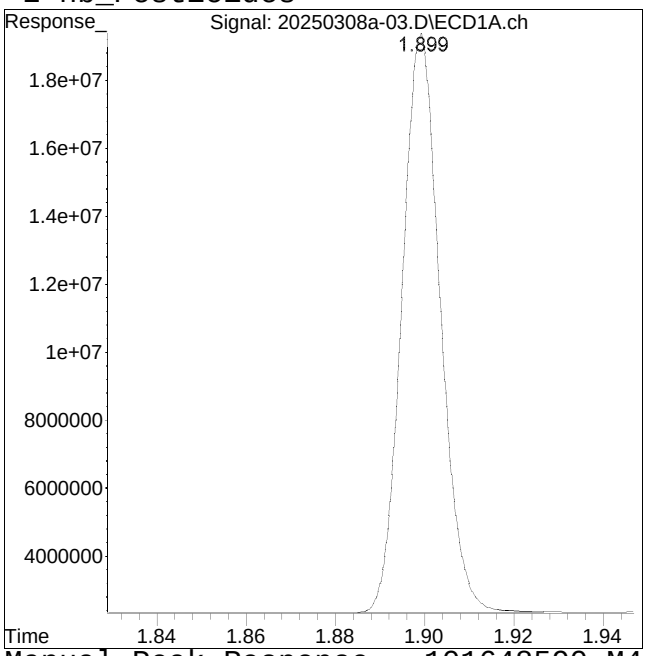
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 101761640



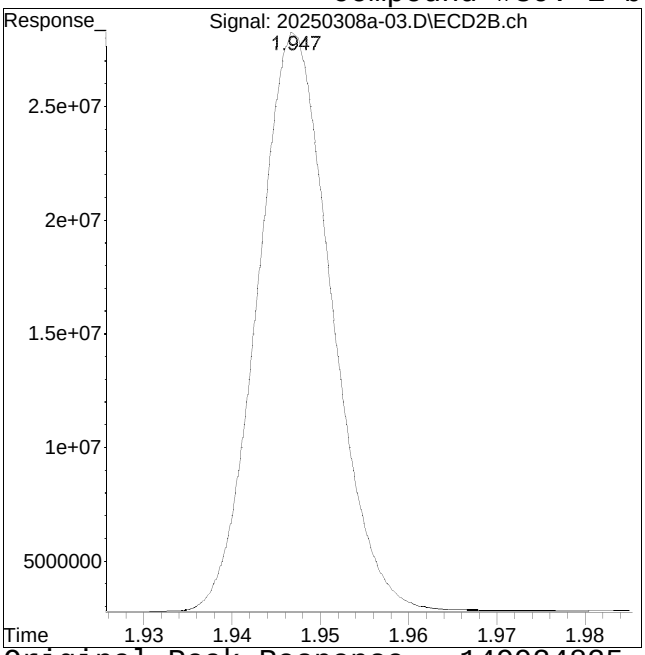
Manual Peak Response = 101648590 M4

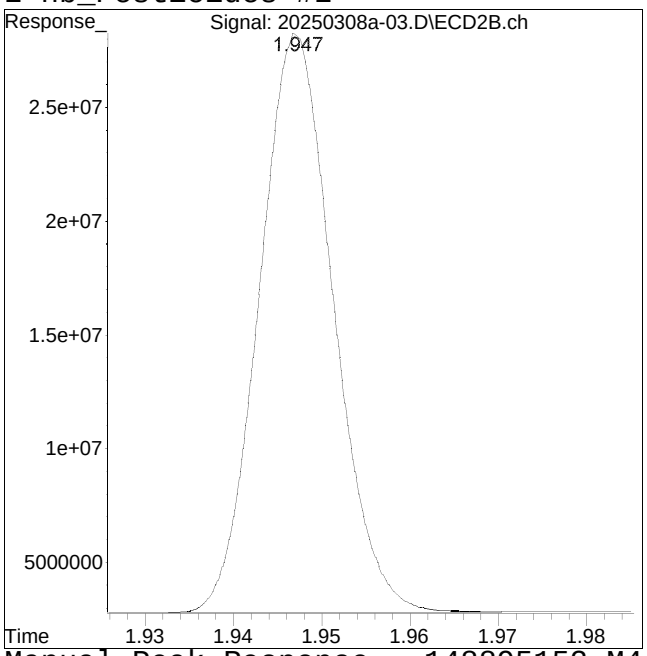
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #39: 1-br-2-nb_Pesticides #2



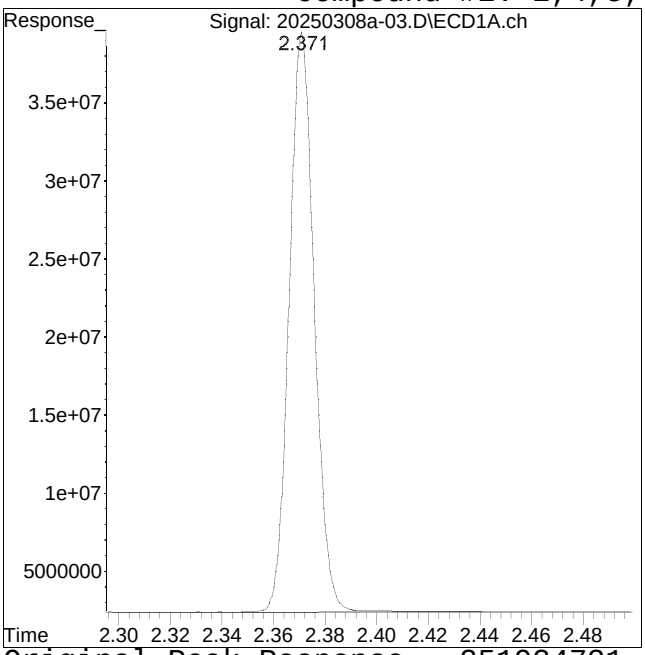


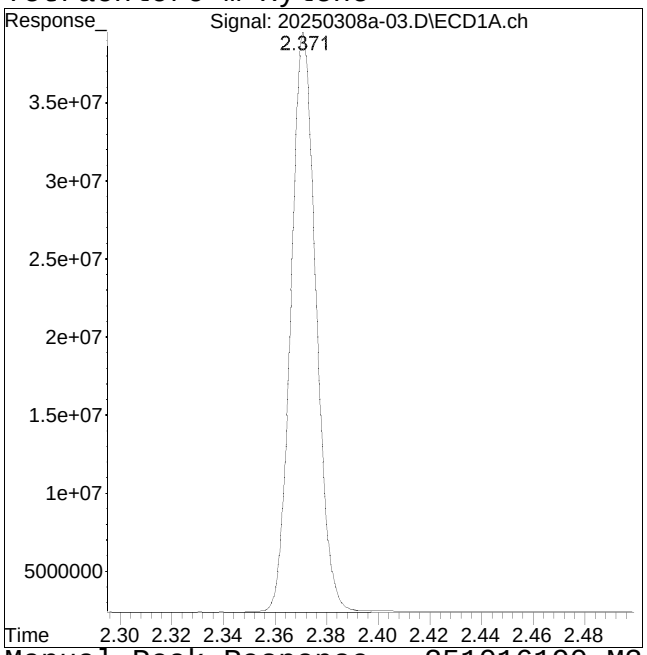
Original Peak Response = 149924825 Manual Peak Response = 148895152 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



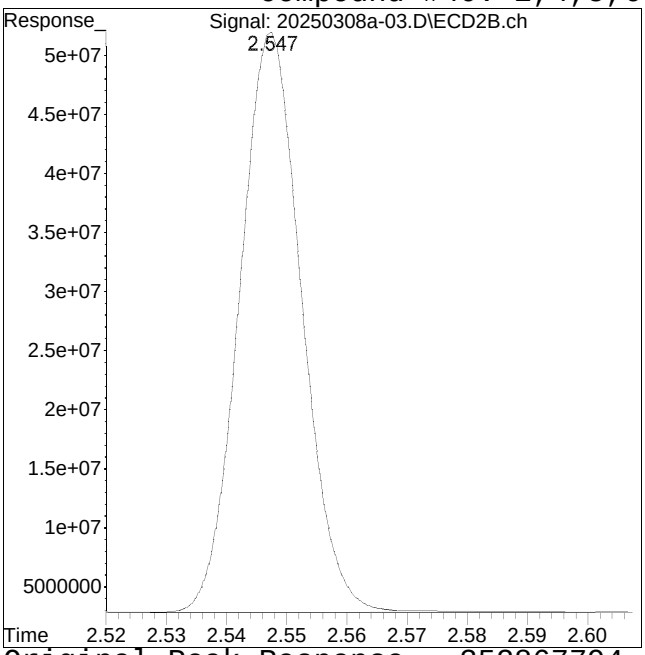


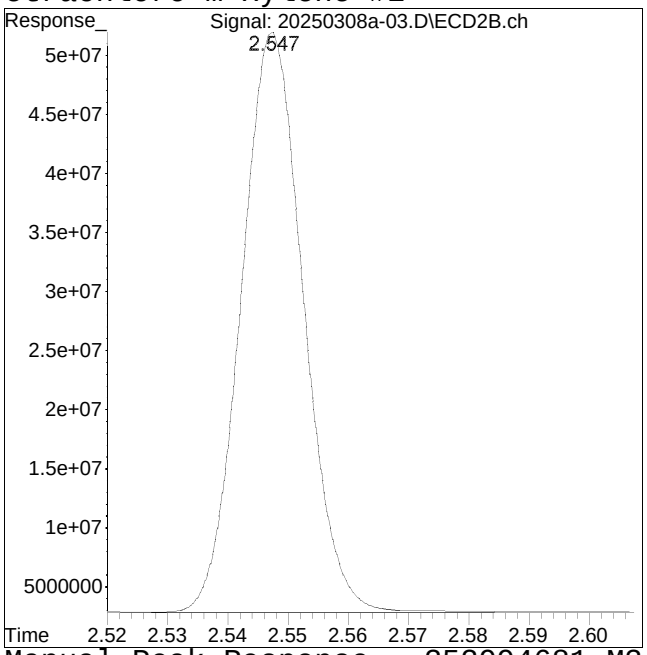
Original Peak Response = 251924731 Manual Peak Response = 251016190 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



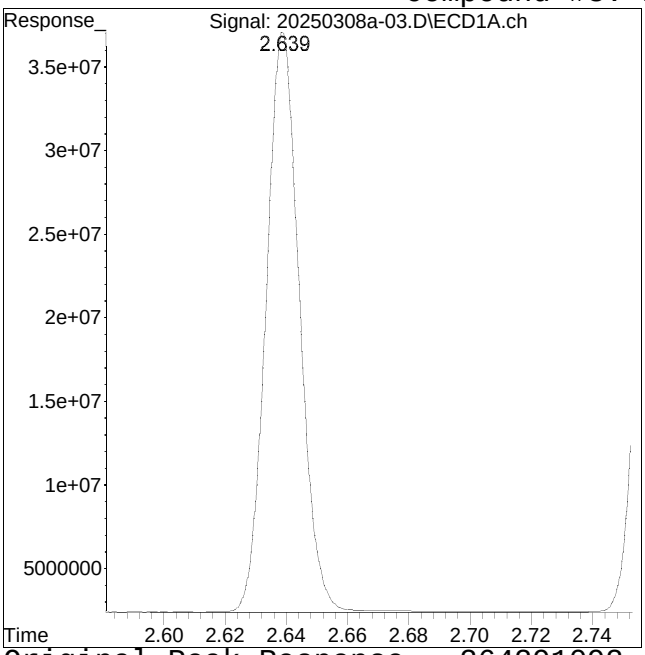


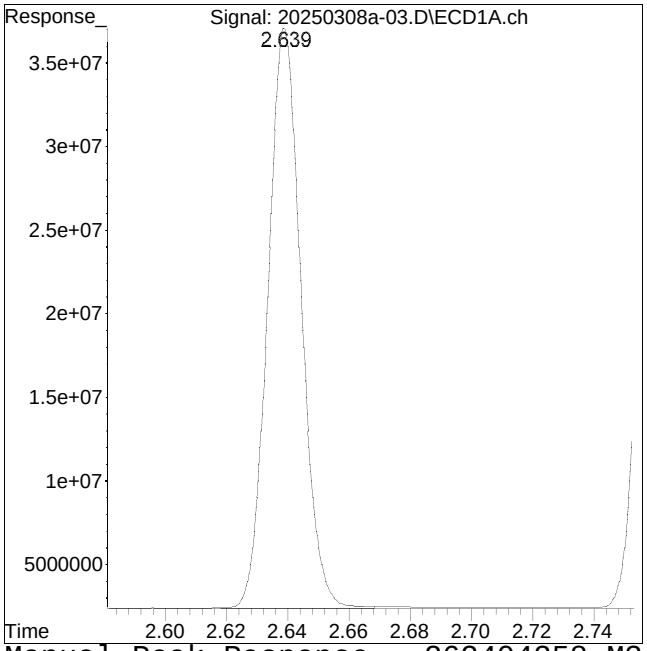
Original Peak Response = 352867794 Manual Peak Response = 352994681 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #3: Hexachlorobenzene



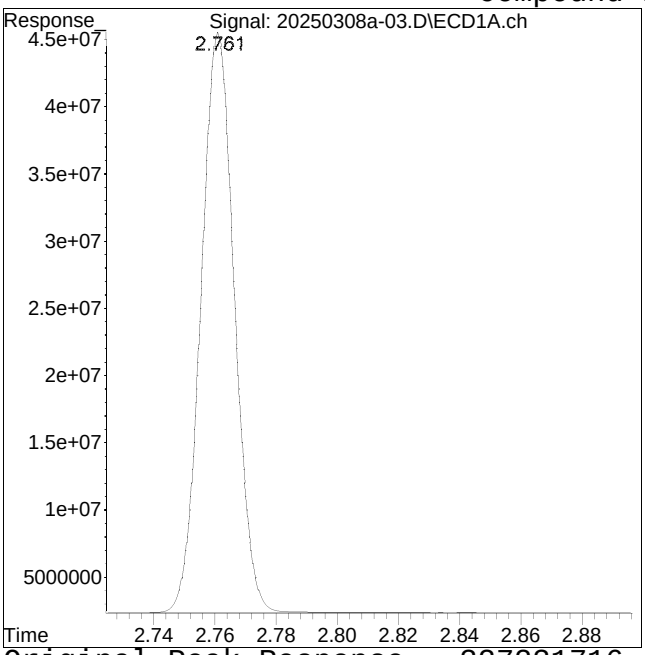


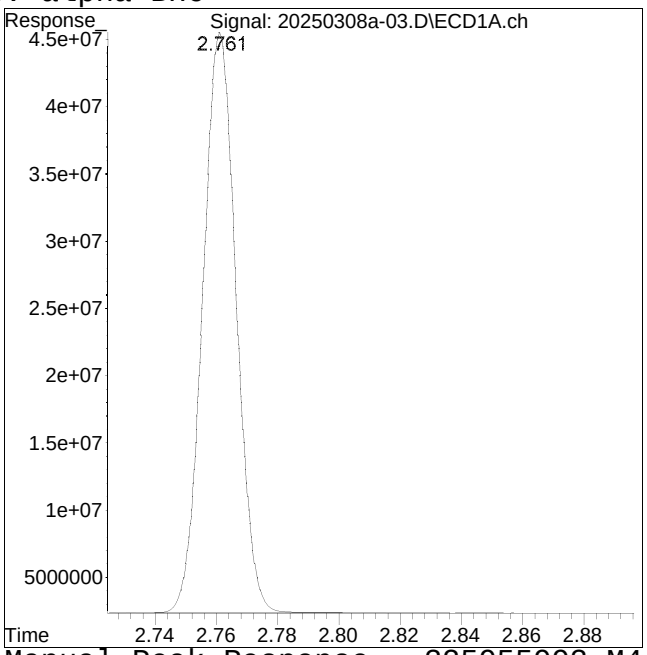
Original Peak Response = 264291092 Manual Peak Response = 262404258 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #4: alpha-BHC



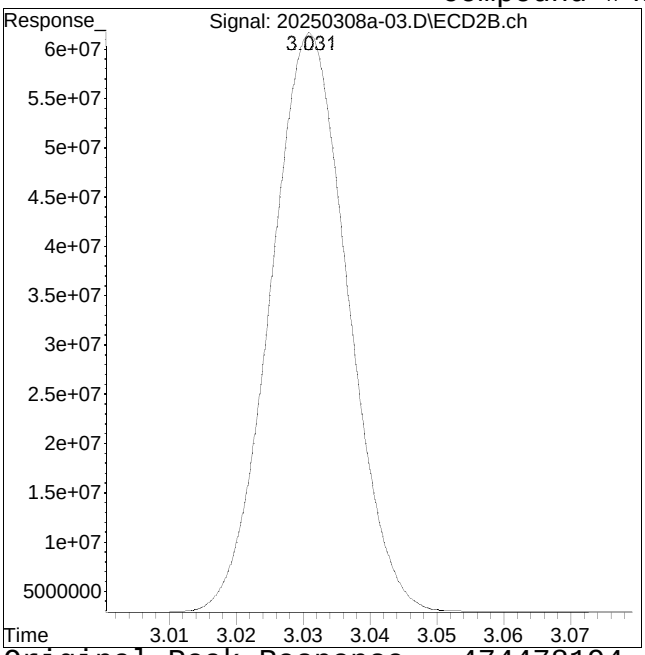


Original Peak Response = 327231716 Manual Peak Response = 325955993 M4
M4 = Poor automated baseline construction.

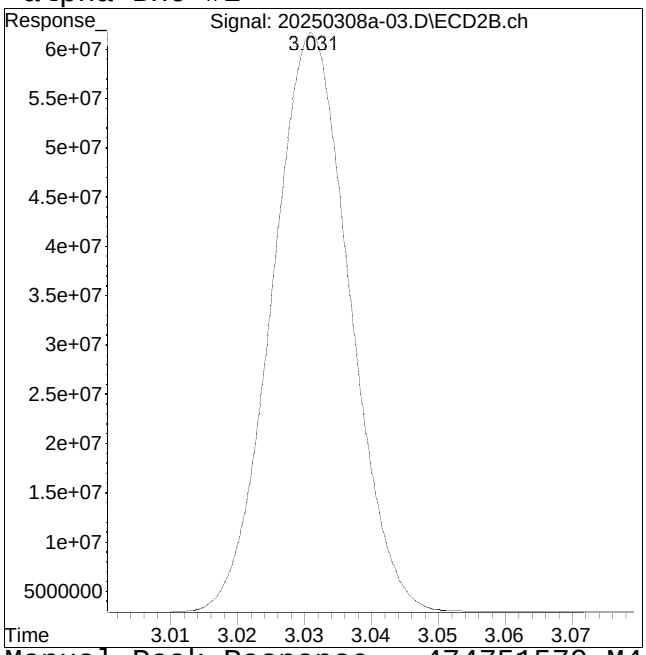
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #42: alpha-BHC #2



Original Peak Response = 474478194



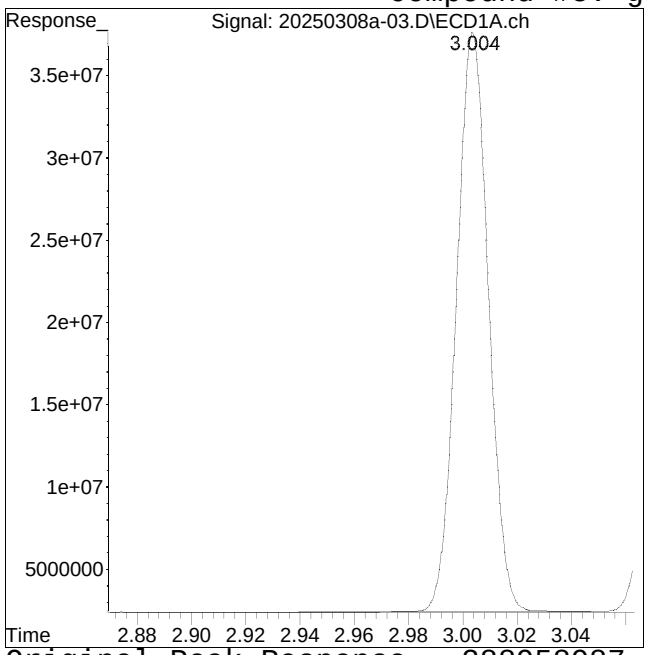
Manual Peak Response = 474751570 M4

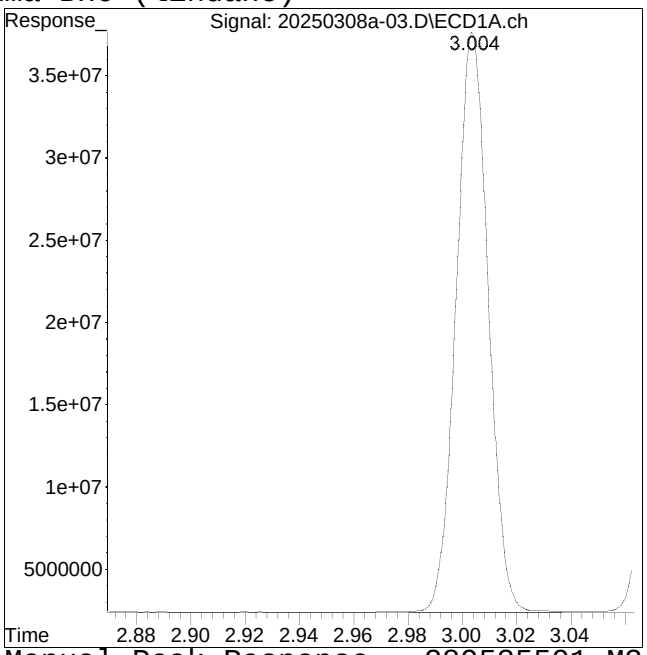
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #5: gamma-BHC (lindane)



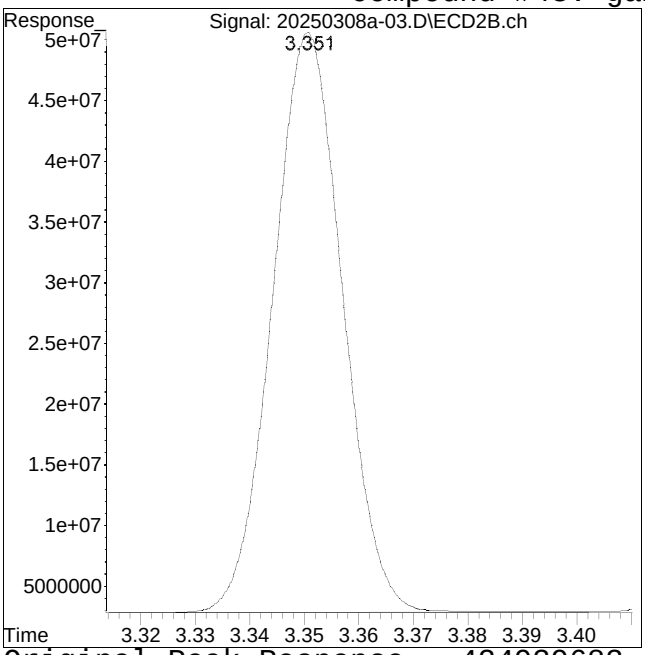


Original Peak Response = 288958987 Manual Peak Response = 289535591 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

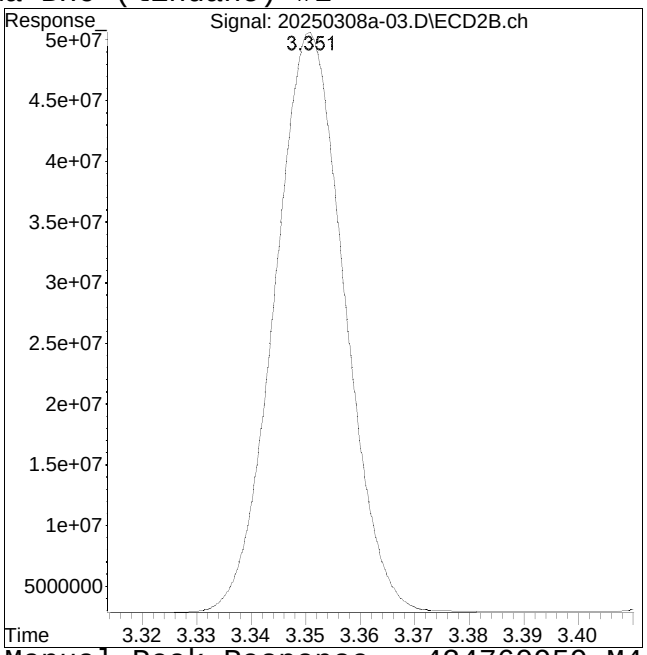
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #43: gamma-BHC (lindane) #2



Original Peak Response = 424939683



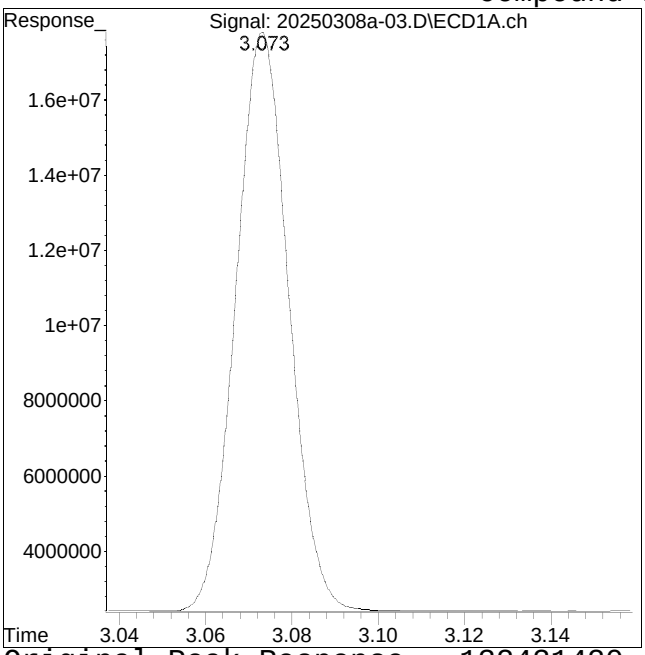
Manual Peak Response = 424760959 M4

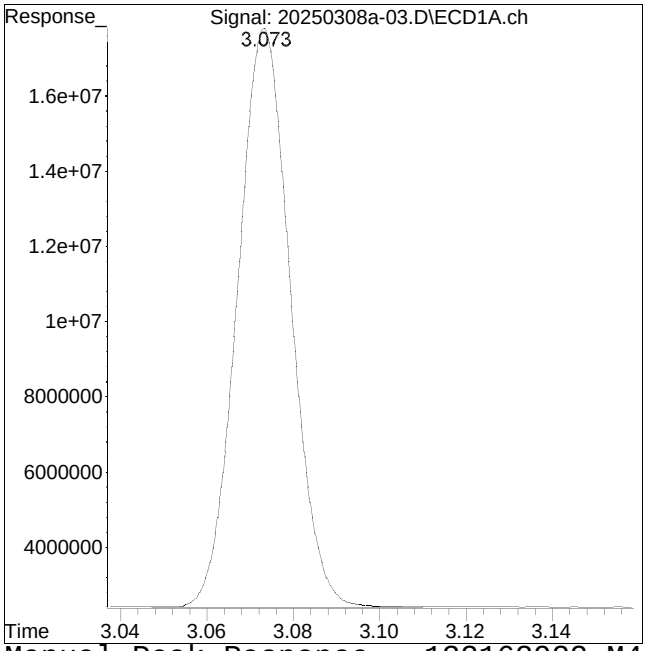
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #6: beta-BHC



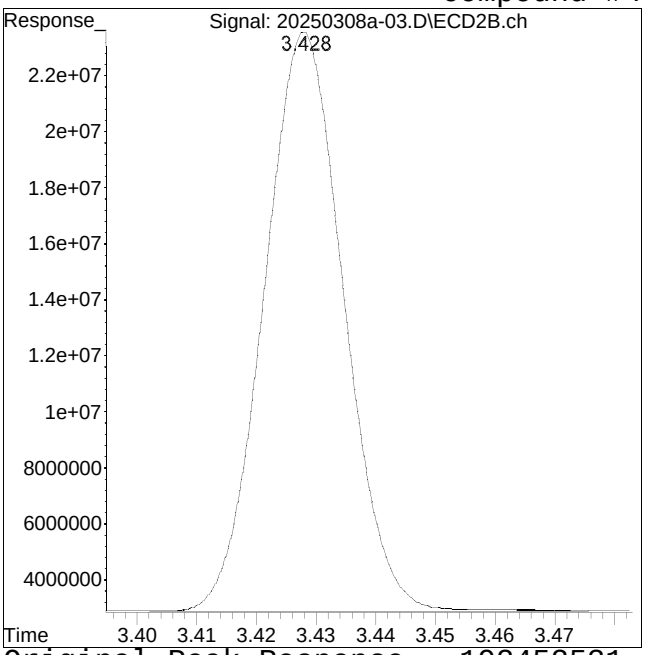


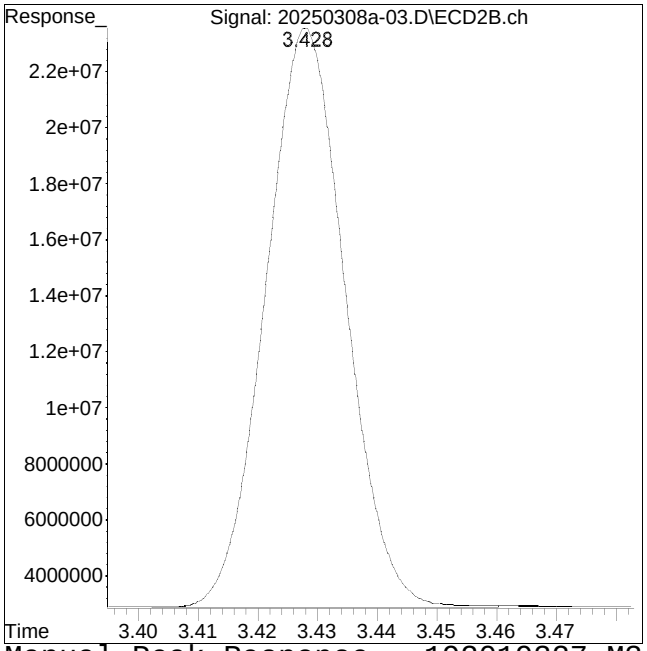
Original Peak Response = 132431420 Manual Peak Response = 132162922 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #44: beta-BHC #2



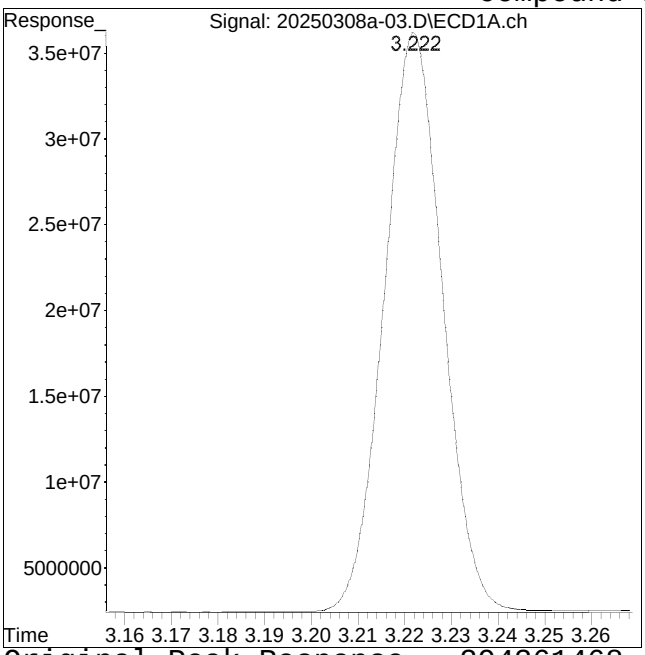


Original Peak Response = 192452531 Manual Peak Response = 192019327 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

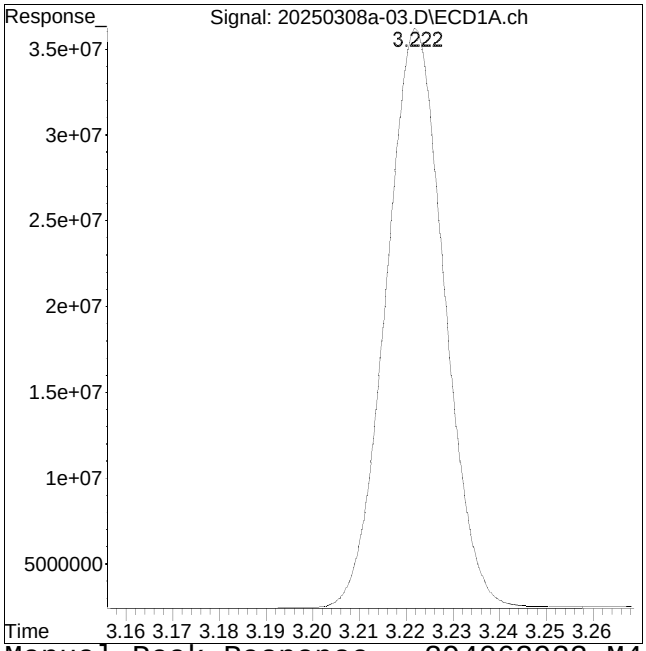
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #7: delta-BHC



Original Peak Response = 294361468



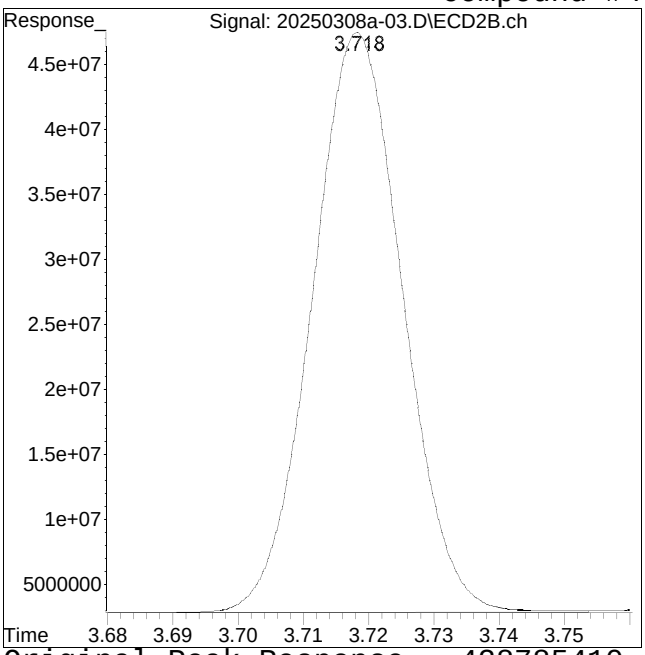
Manual Peak Response = 294063933 M4

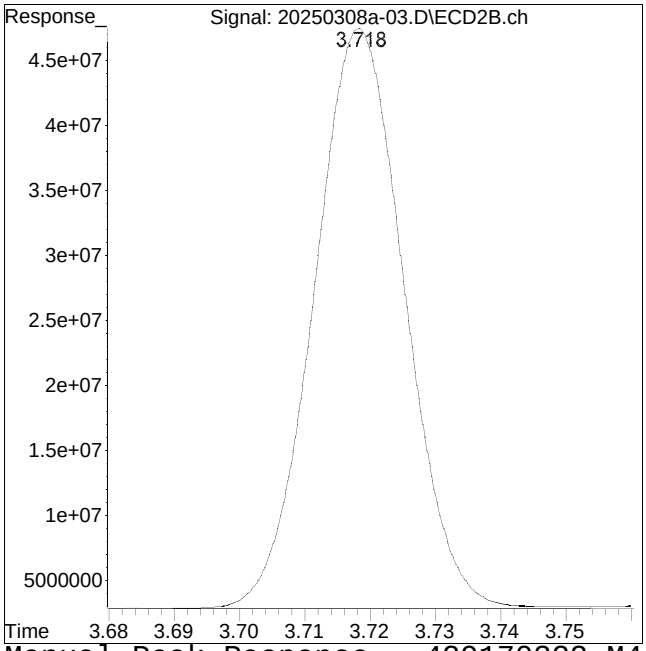
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #45: delta-BHC #2



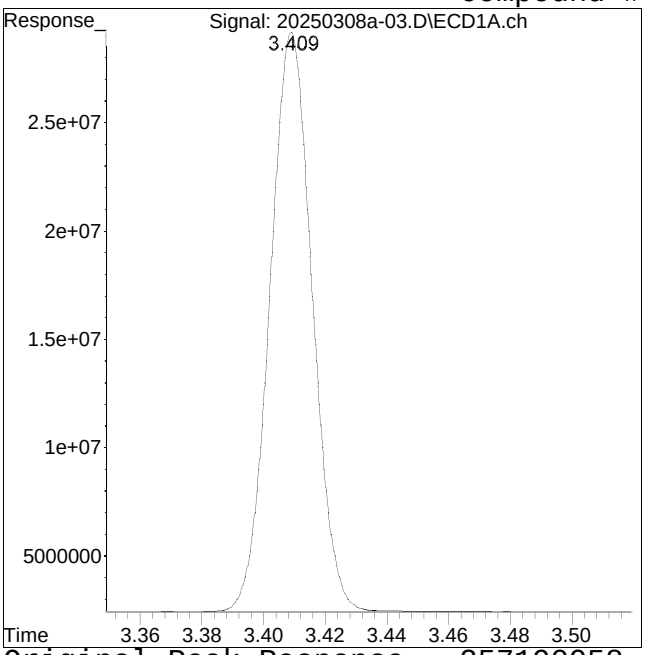


Original Peak Response = 428785410 Manual Peak Response = 429170322 M4
M4 = Poor automated baseline construction.

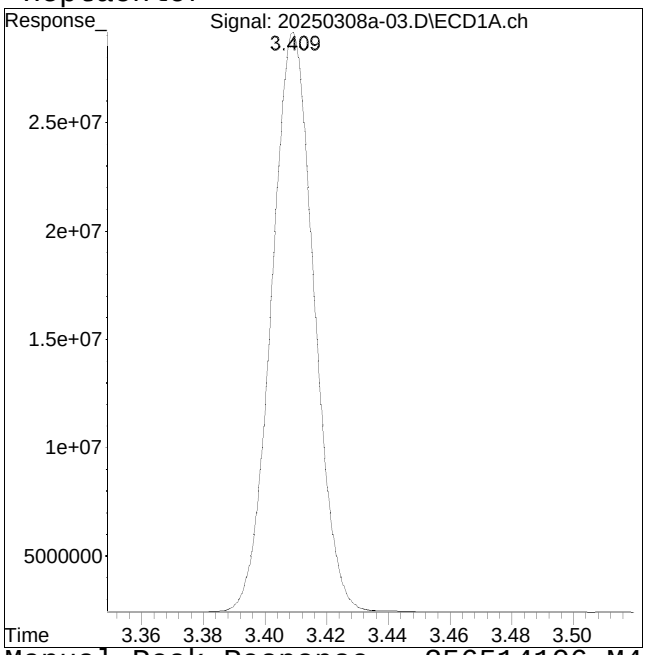
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #8: Heptachlor



Original Peak Response = 257190958



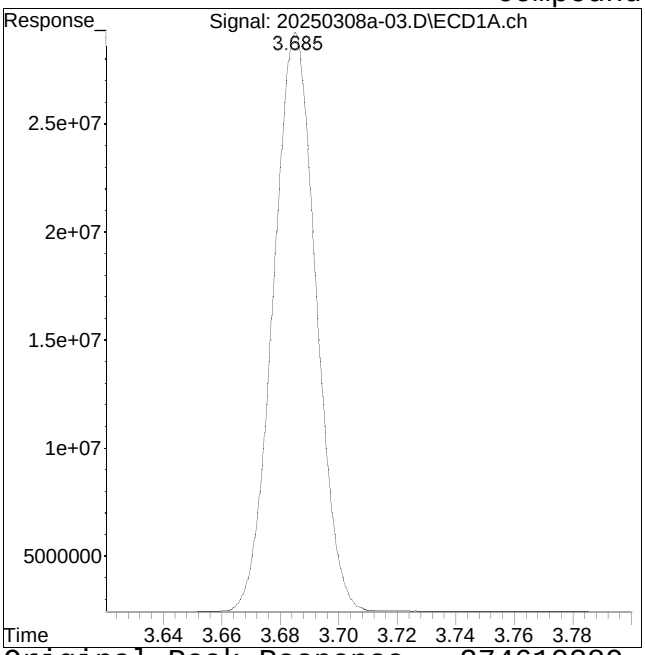
Manual Peak Response = 256514106 M4

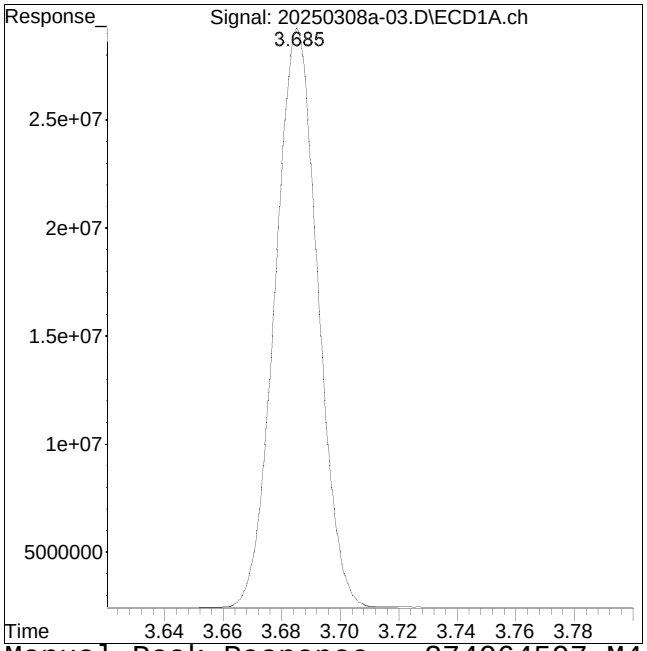
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #9: Aldrin



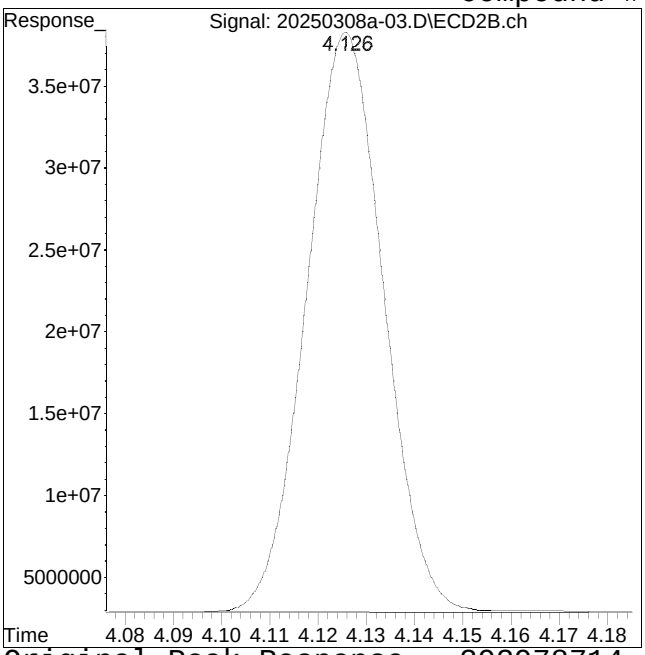


Original Peak Response = 274610389 Manual Peak Response = 274064597 M4
M4 = Poor automated baseline construction.

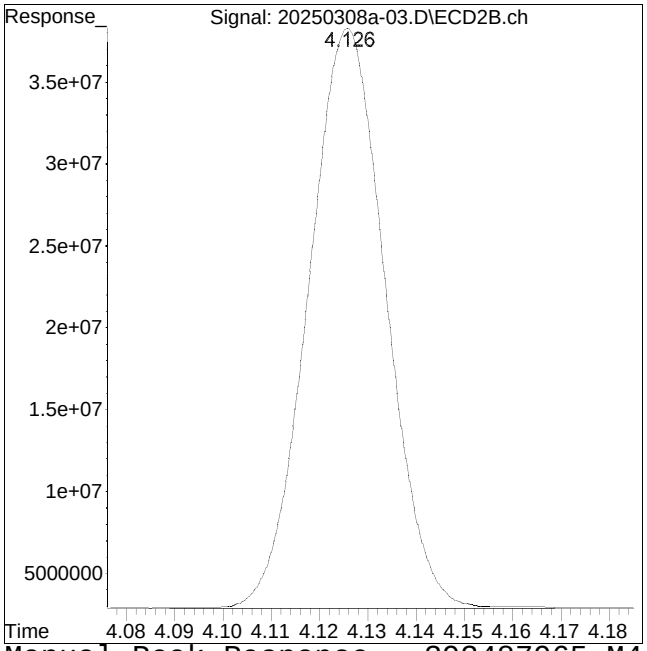
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #47: Aldrin #2



Original Peak Response = 393978714



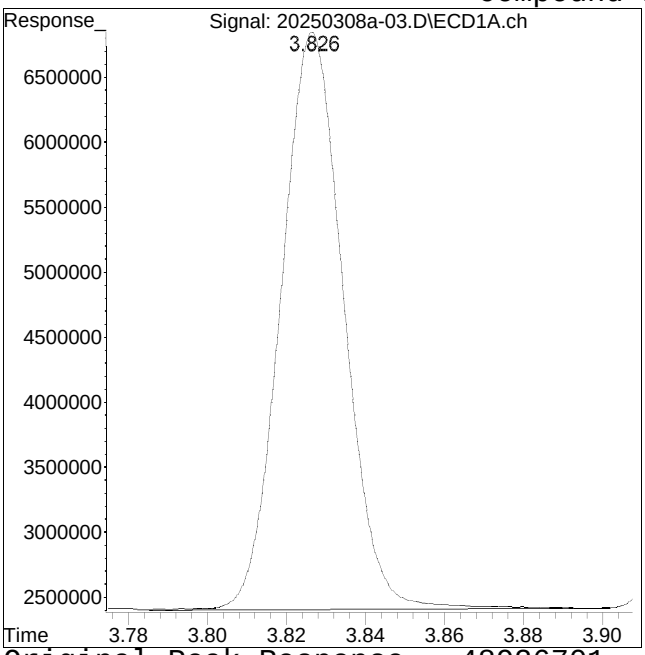
Manual Peak Response = 393487965 M4

M4 = Poor automated baseline construction.

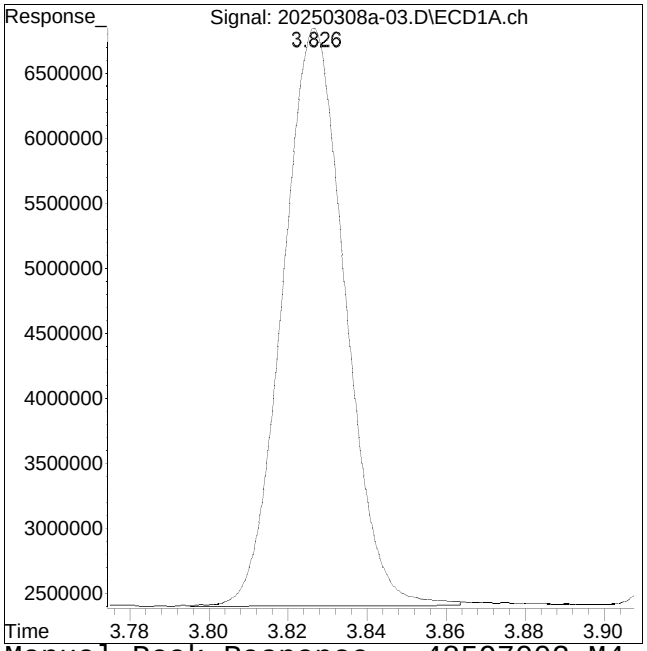
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #10: Alachlor



Original Peak Response = 48926701



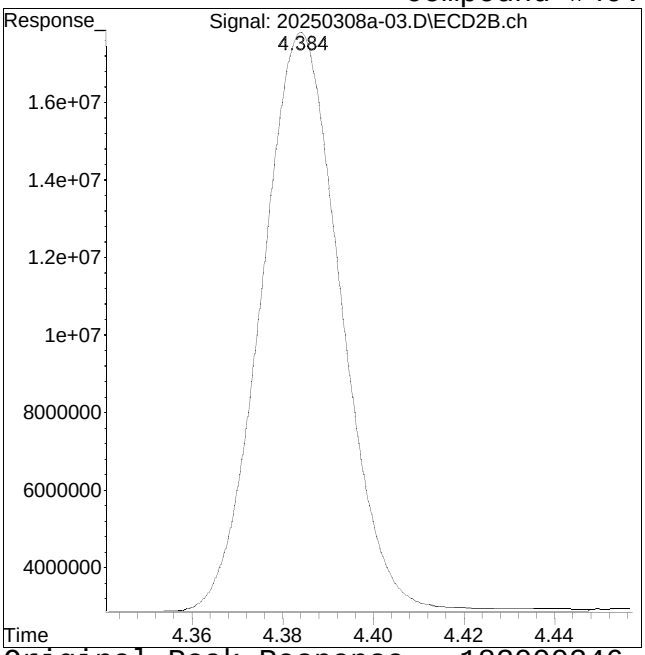
Manual Peak Response = 48597002 M4

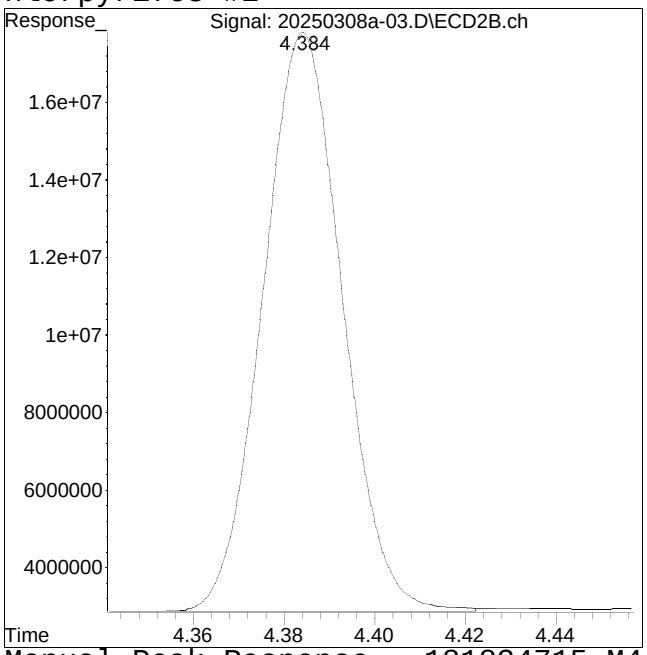
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #49: Chlorpyrifos #2



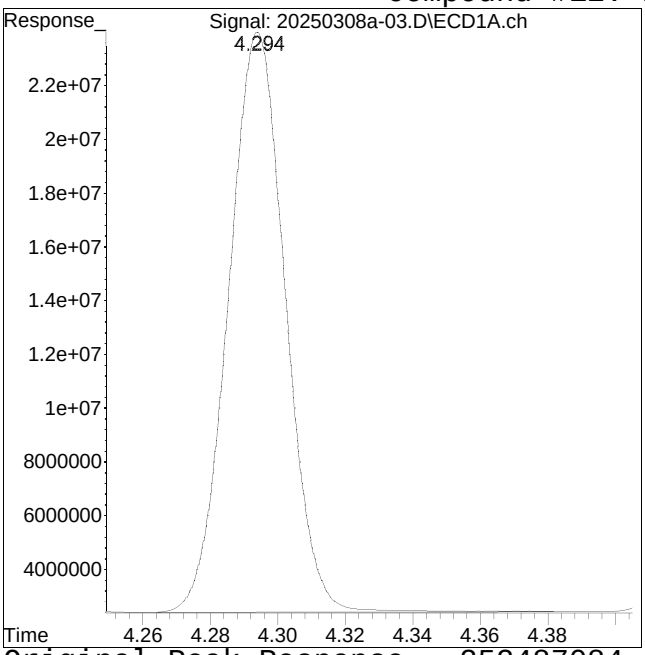


Original Peak Response = 183000346 Manual Peak Response = 181834715 M4
M4 = Poor automated baseline construction.

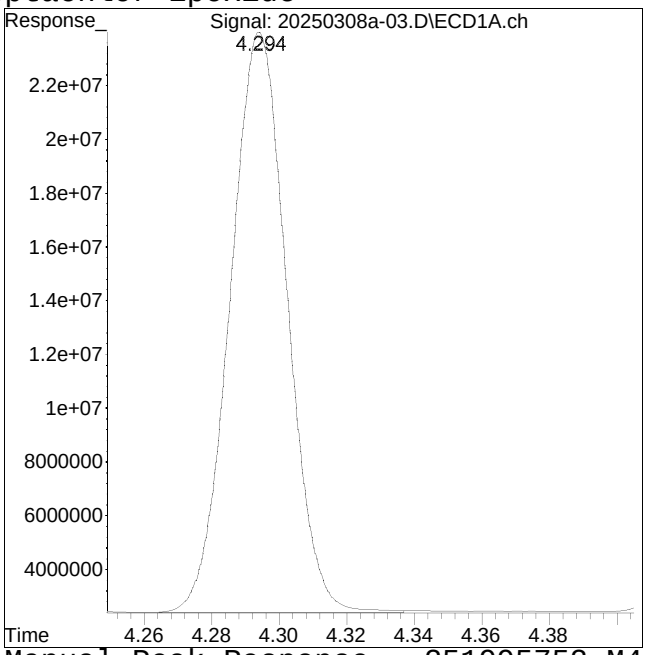
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #12: Heptachlor Epoxide



Original Peak Response = 252487084



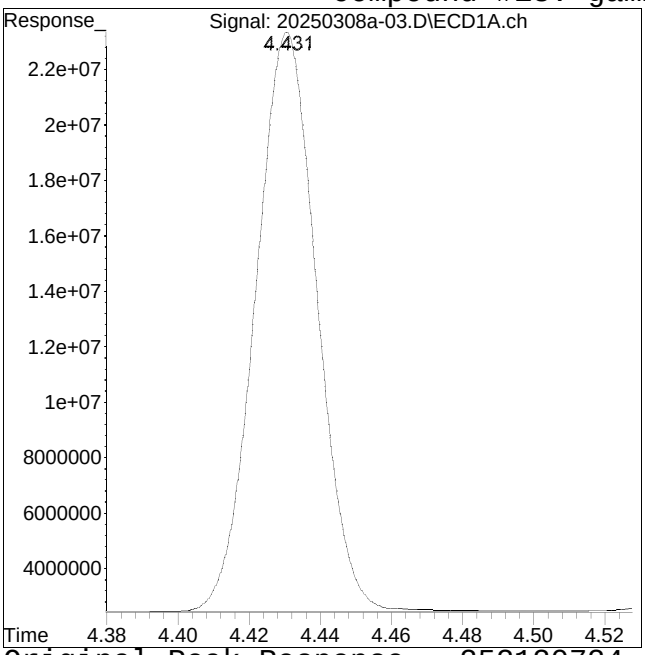
Manual Peak Response = 251995752 M4

M4 = Poor automated baseline construction.

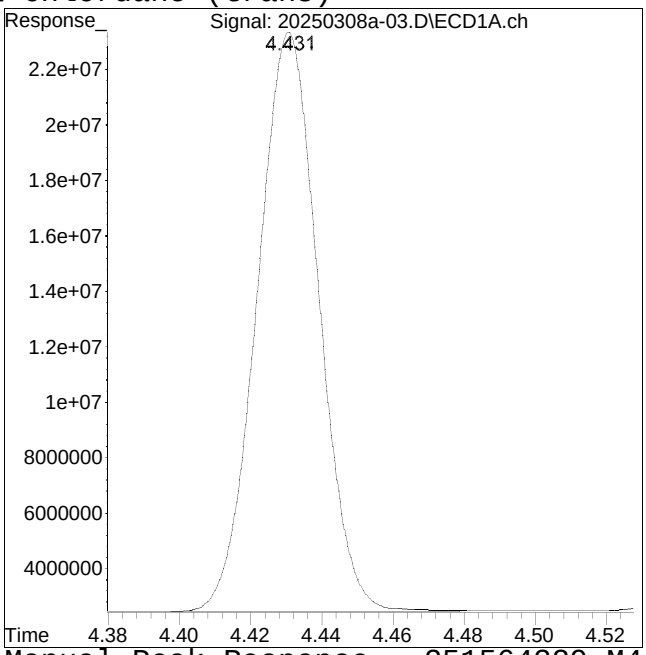
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #13: gamma-Chlordane (trans)



Original Peak Response = 252120724



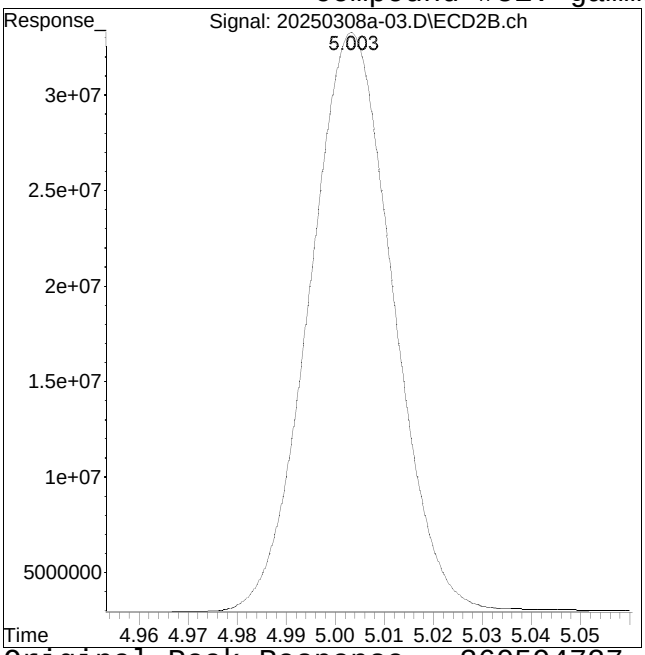
Manual Peak Response = 251564329 M4

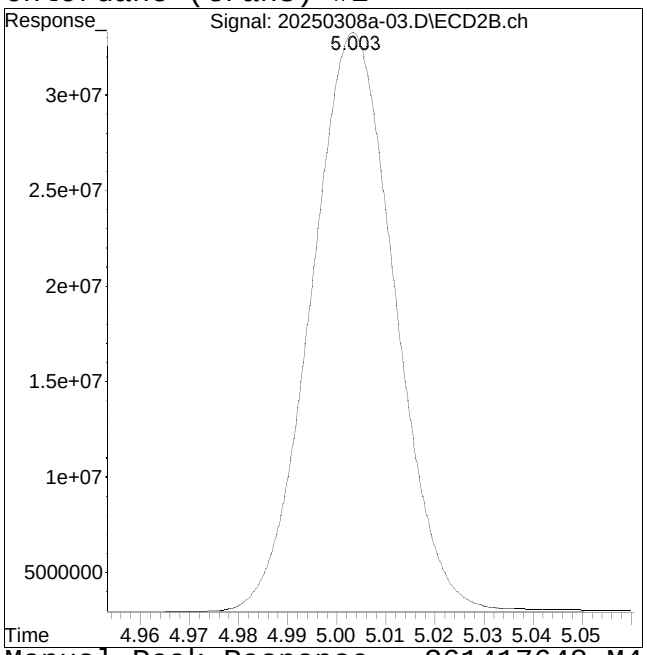
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #51: gamma-Chlordane (trans) #2



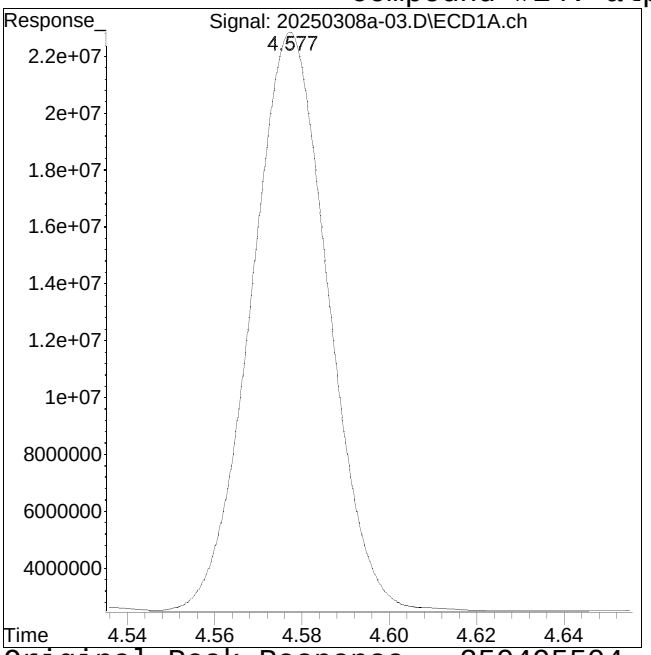


Original Peak Response = 360594727 Manual Peak Response = 361417648 M4
M4 = Poor automated baseline construction.

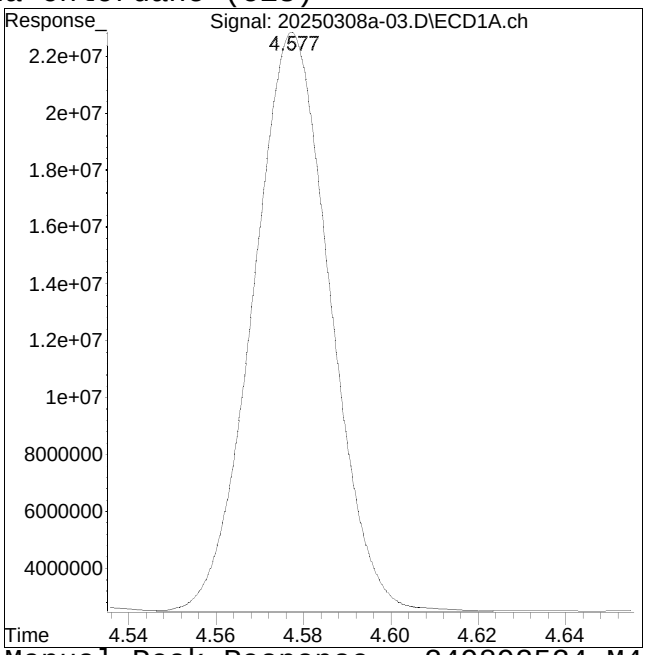
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #14: alpha-Chlordane (cis)



Original Peak Response = 250495504



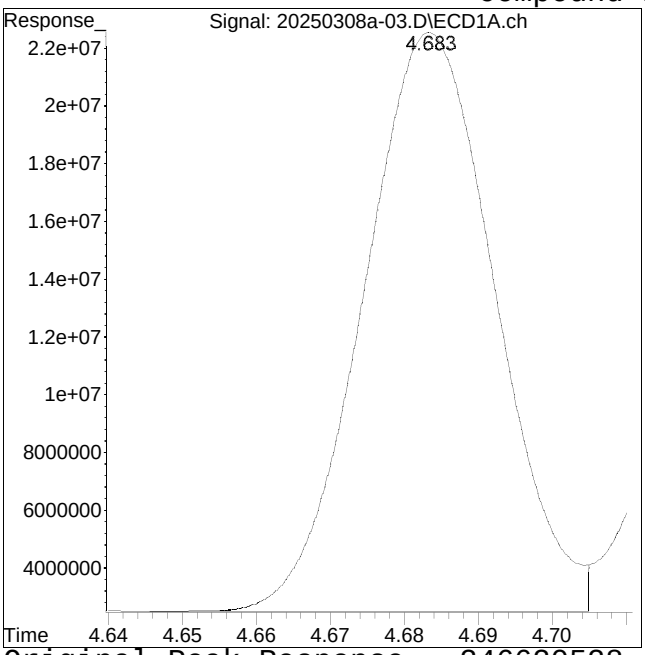
Manual Peak Response = 249892524 M4

M4 = Poor automated baseline construction.

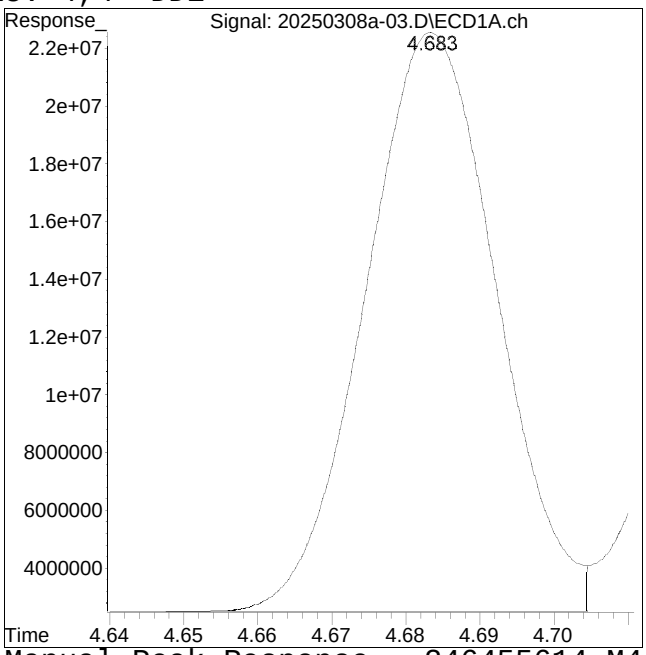
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #15: 4,4'-DDE



Original Peak Response = 246620528



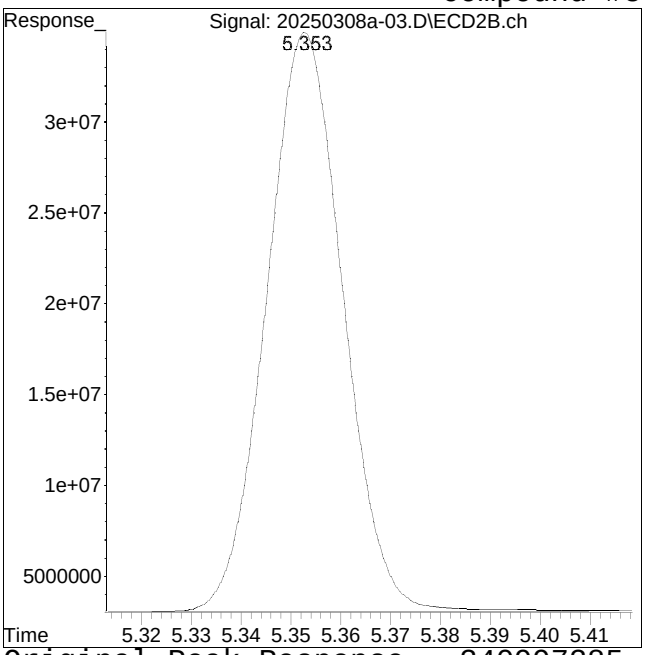
Manual Peak Response = 246455614 M4

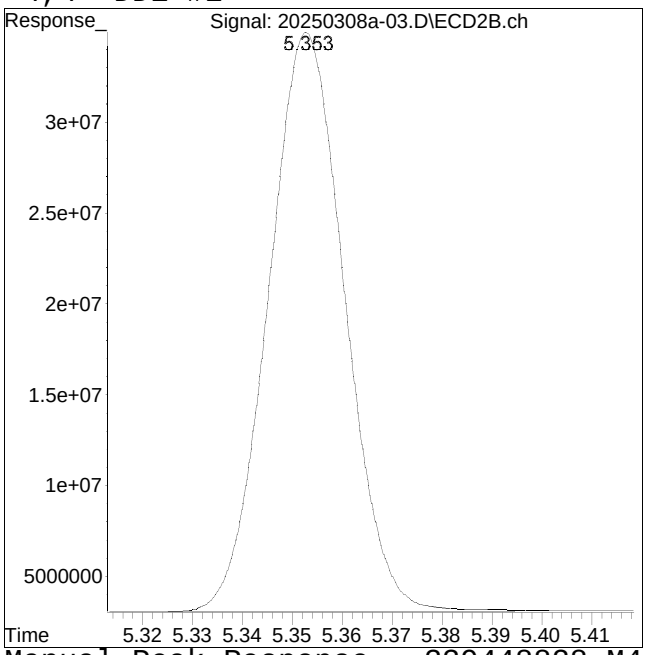
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #53: 4,4'-DDE #2



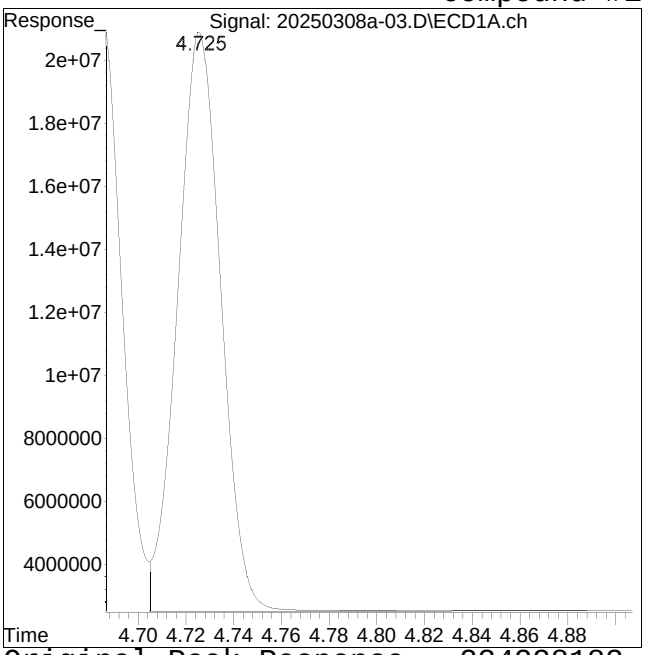


Original Peak Response = 340997385 Manual Peak Response = 339448828 M4
M4 = Poor automated baseline construction.

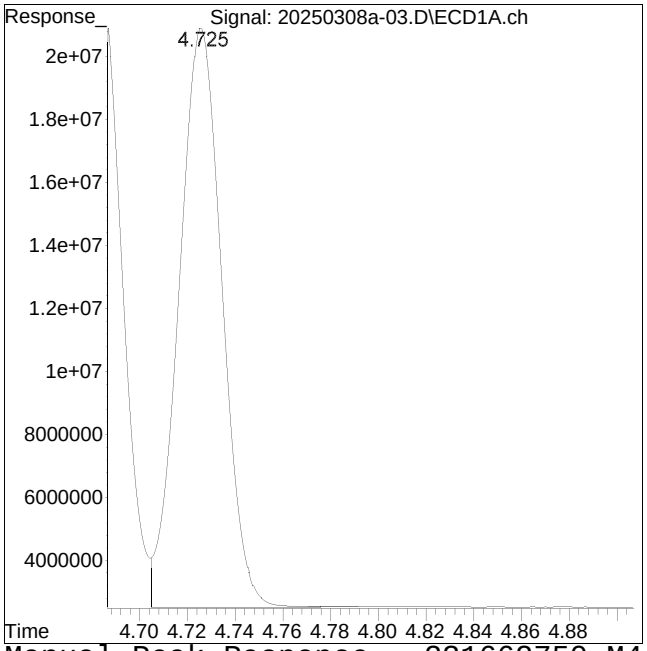
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #16: Endosulfan I



Original Peak Response = 234228183



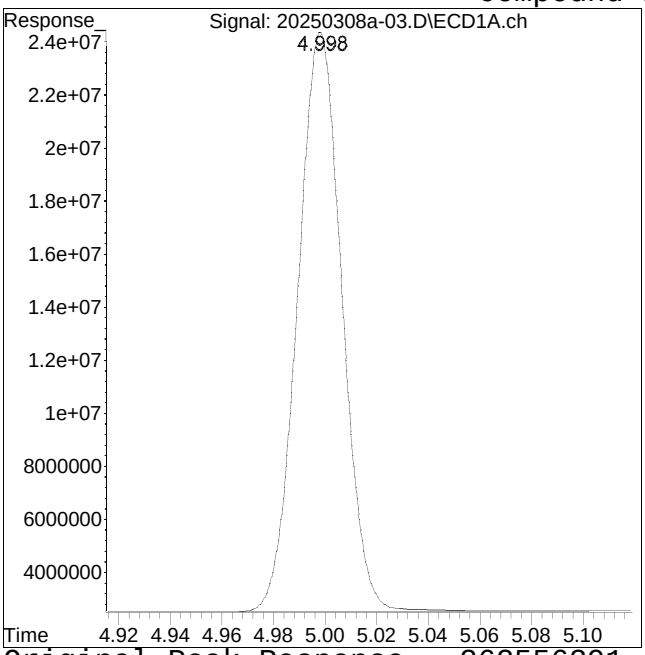
Manual Peak Response = 231662750 M4

M4 = Poor automated baseline construction.

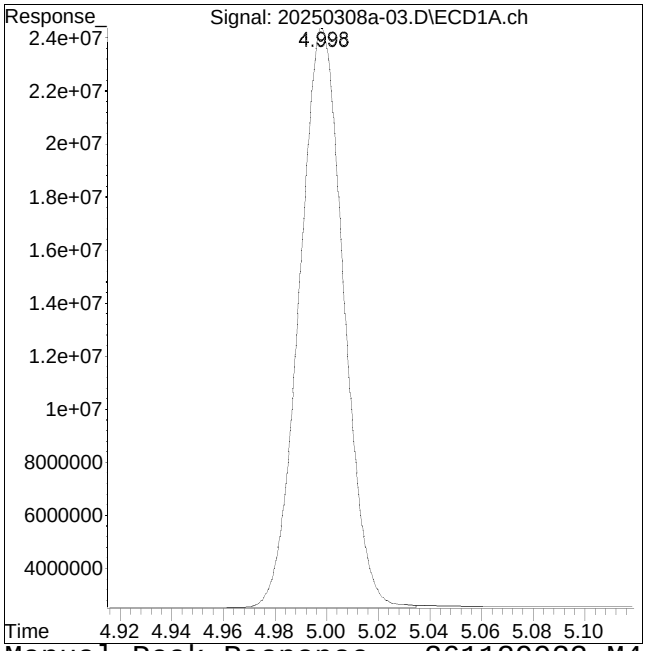
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #17: Dieldrin



Original Peak Response = 262556291



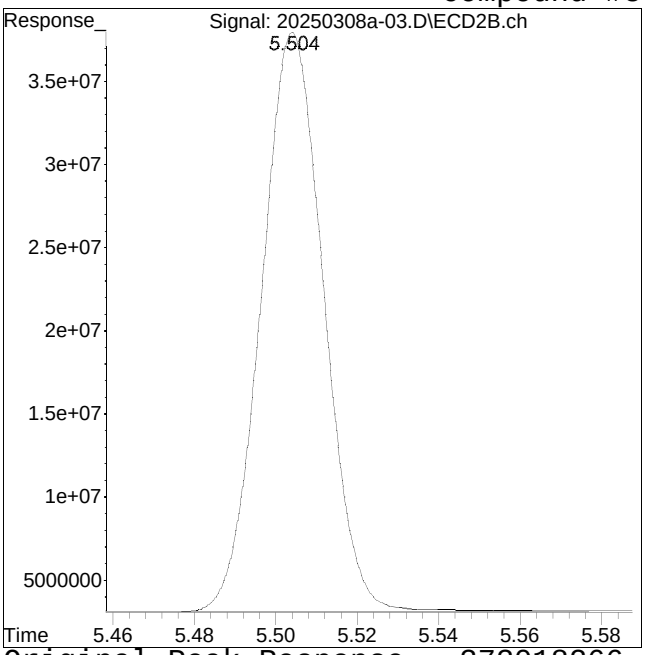
Manual Peak Response = 261129923 M4

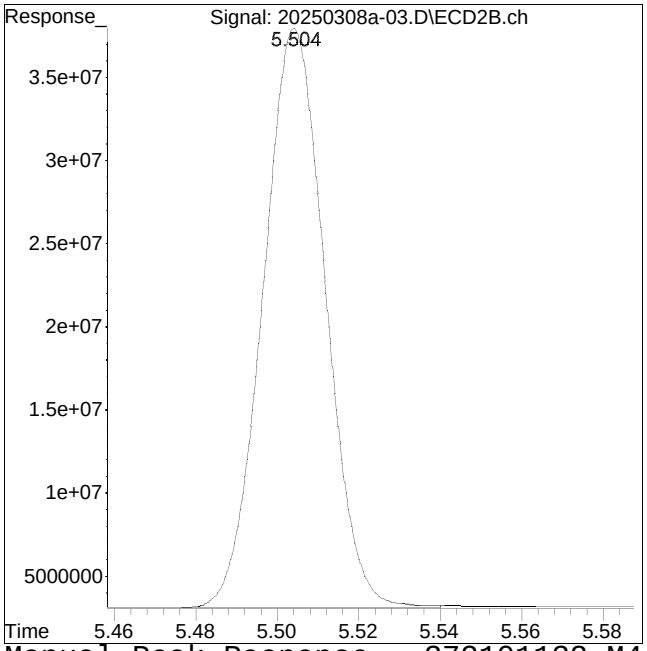
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #55: Dieldrin #2



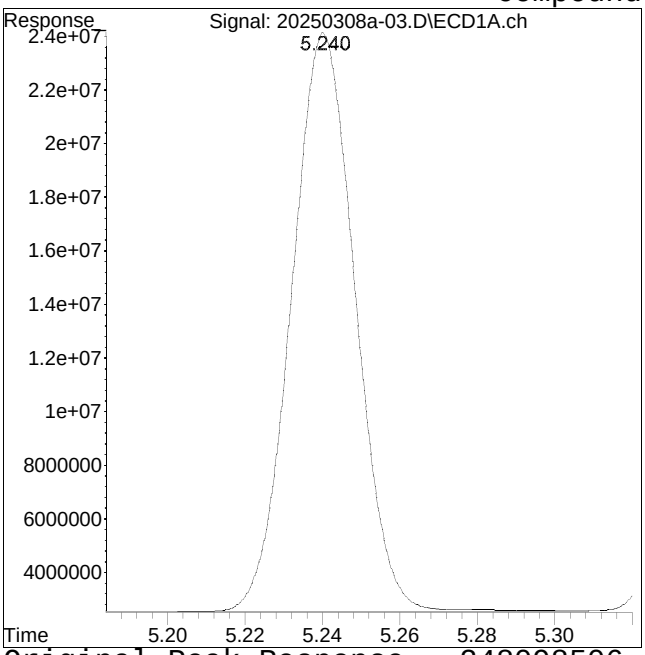


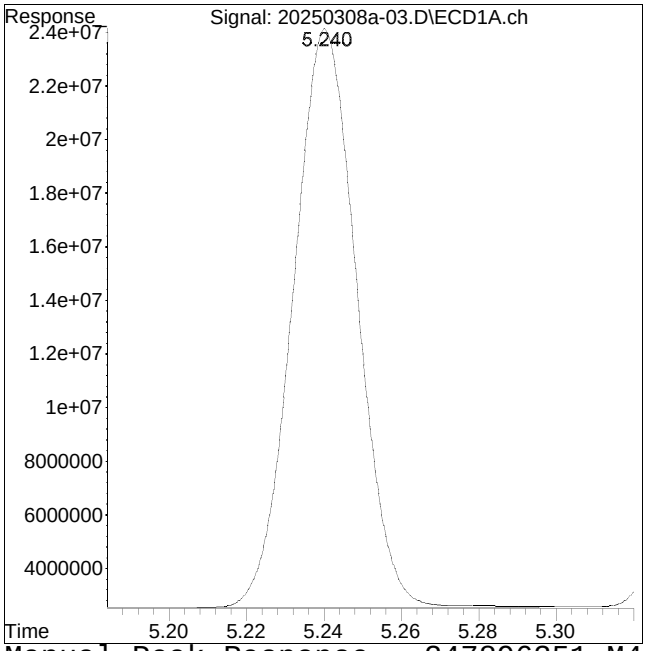
Original Peak Response = 373018266 Manual Peak Response = 372101132 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #18: Endrin



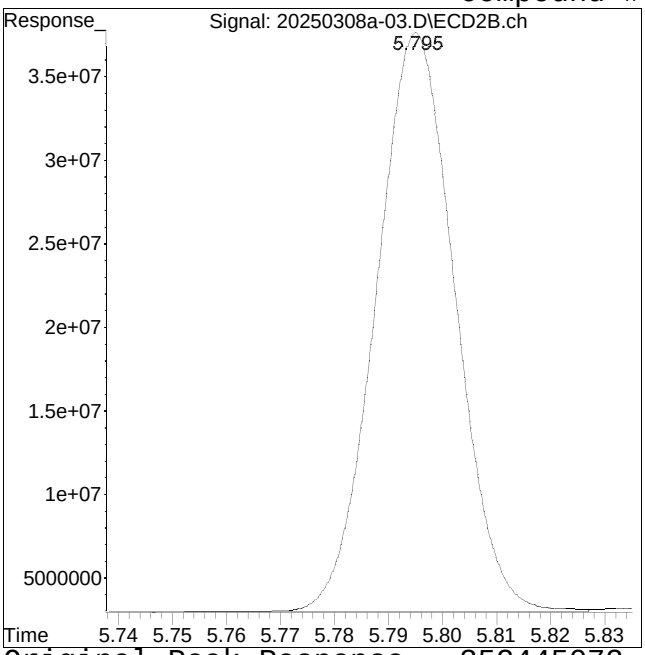


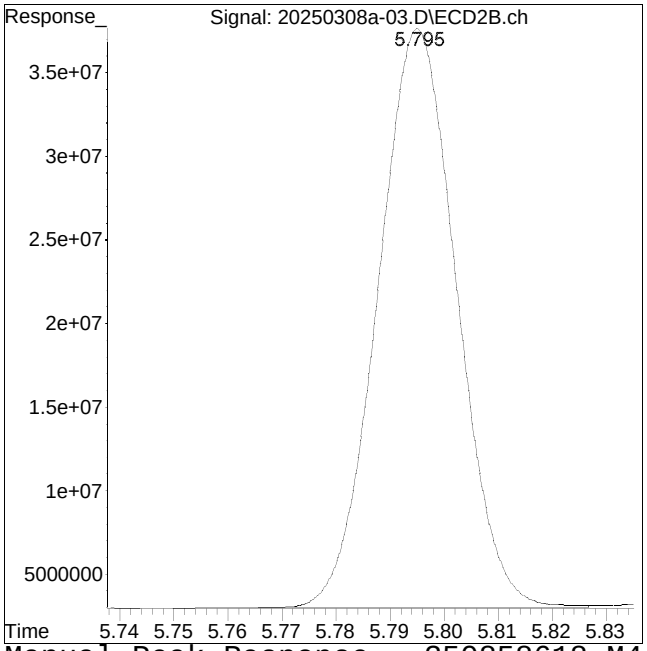
Original Peak Response = 248098506 Manual Peak Response = 247896351 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #56: Endrin #2



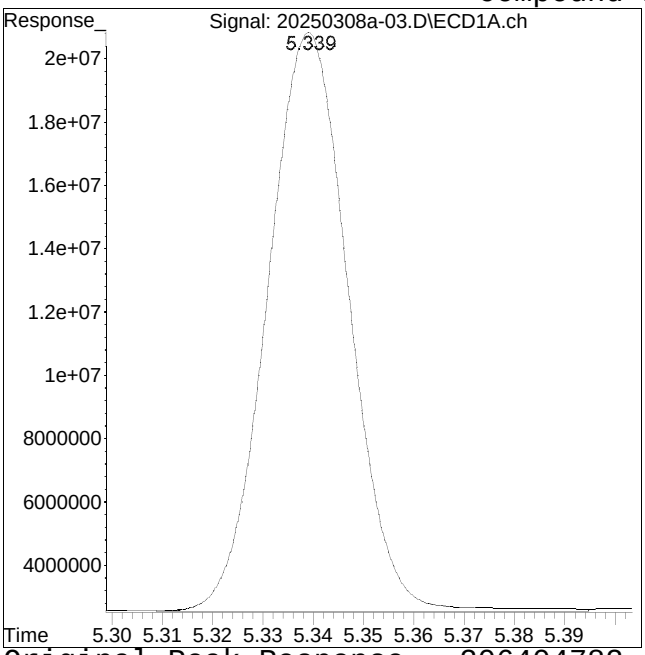


Original Peak Response = 352445072 Manual Peak Response = 350858618 M4
M4 = Poor automated baseline construction.

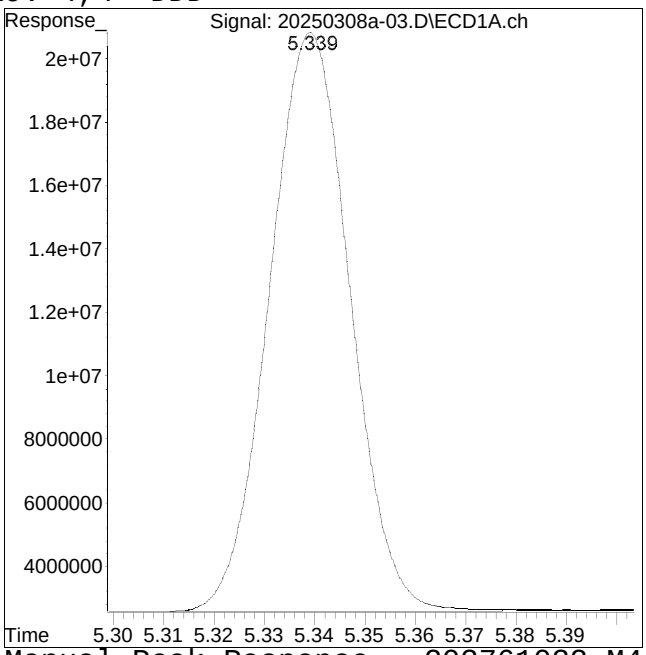
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #19: 4,4'-DDD



Original Peak Response = 206404782



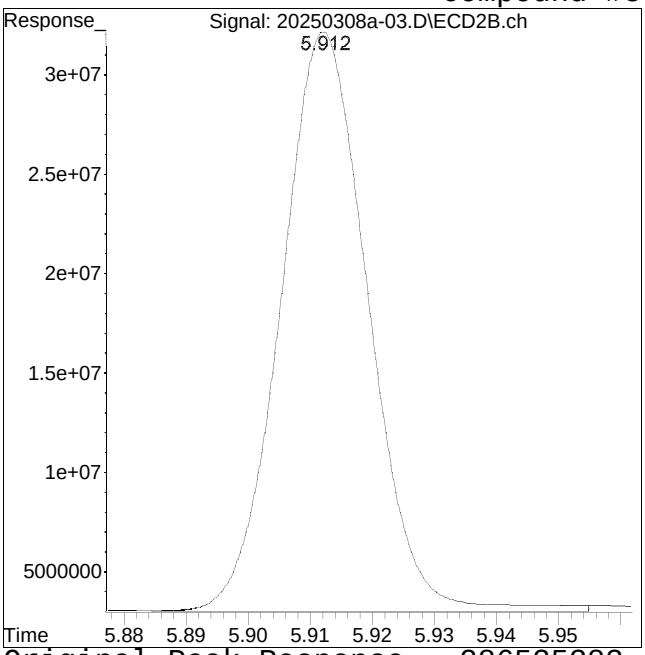
Manual Peak Response = 203761032 M4

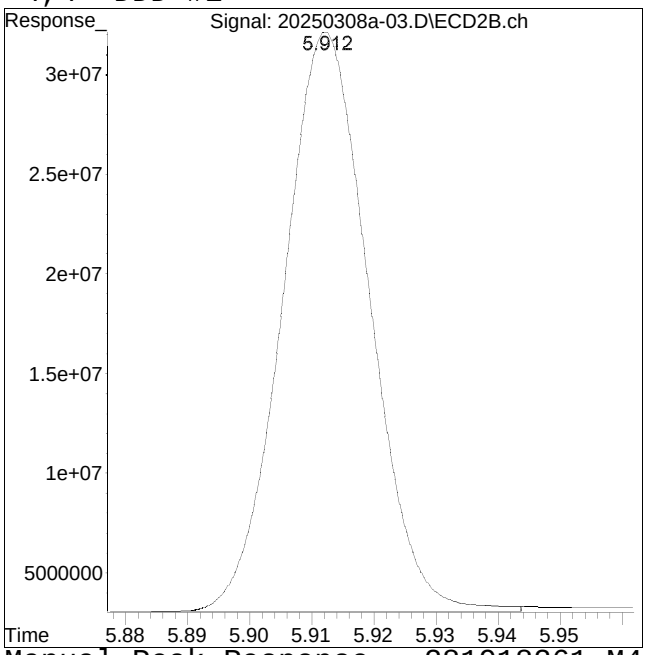
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #57: 4,4'-DDD #2



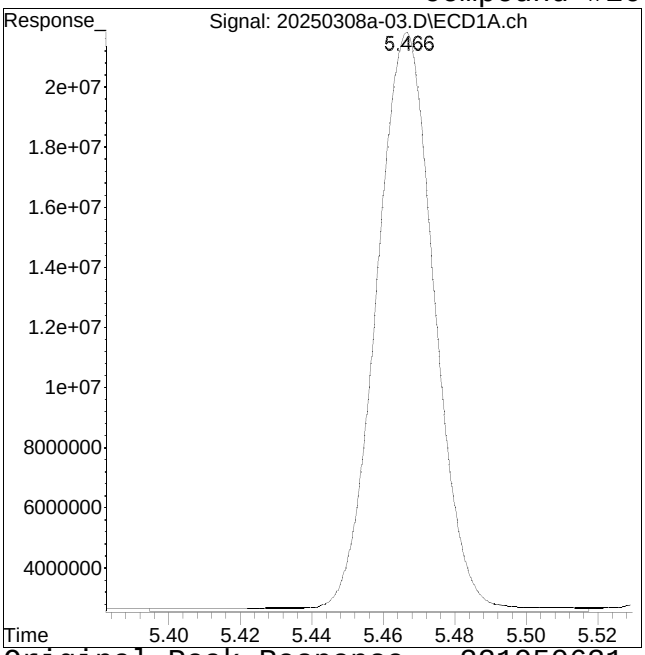


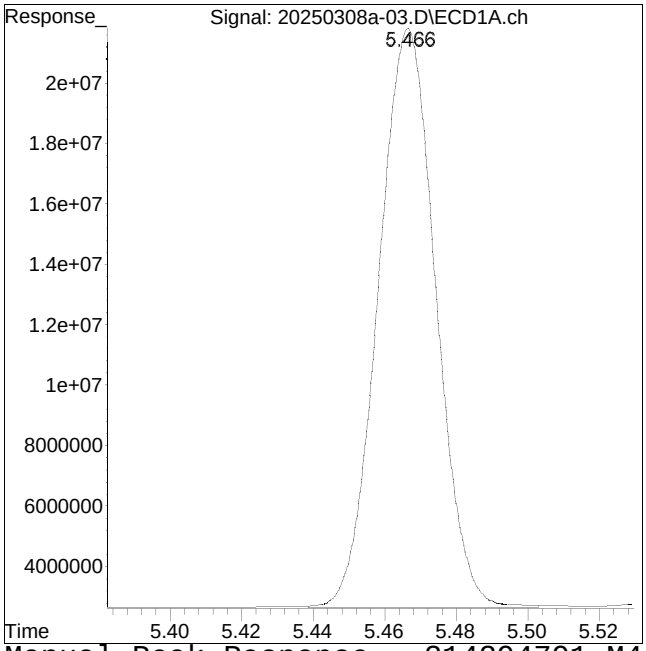
Original Peak Response = 286535383 Manual Peak Response = 281918261 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #20: Endosulfan II



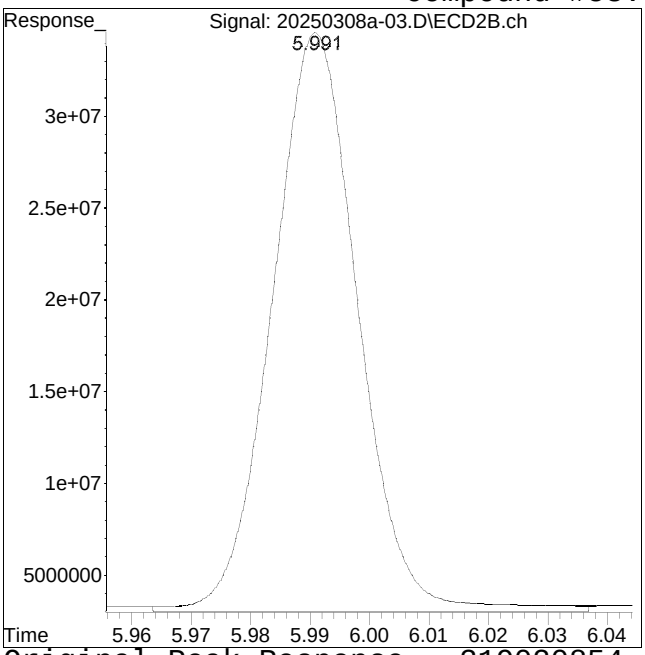


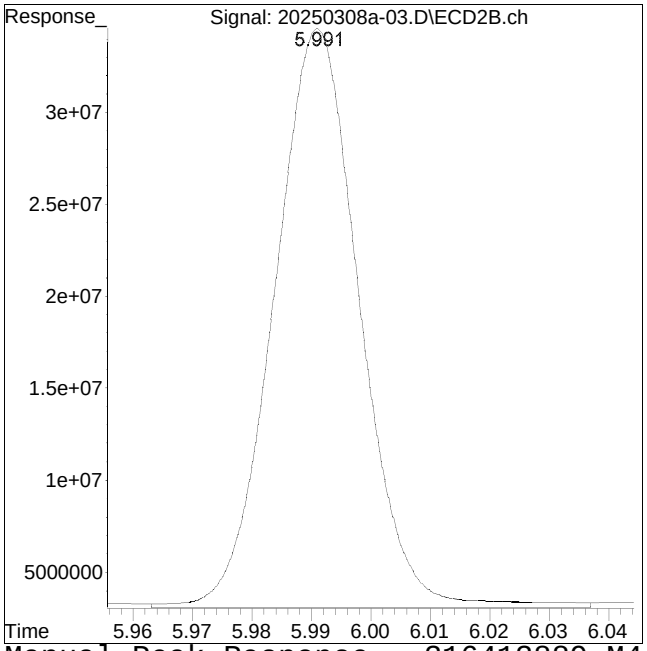
Original Peak Response = 221950631 Manual Peak Response = 214294791 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #58: Endosulfan II #2



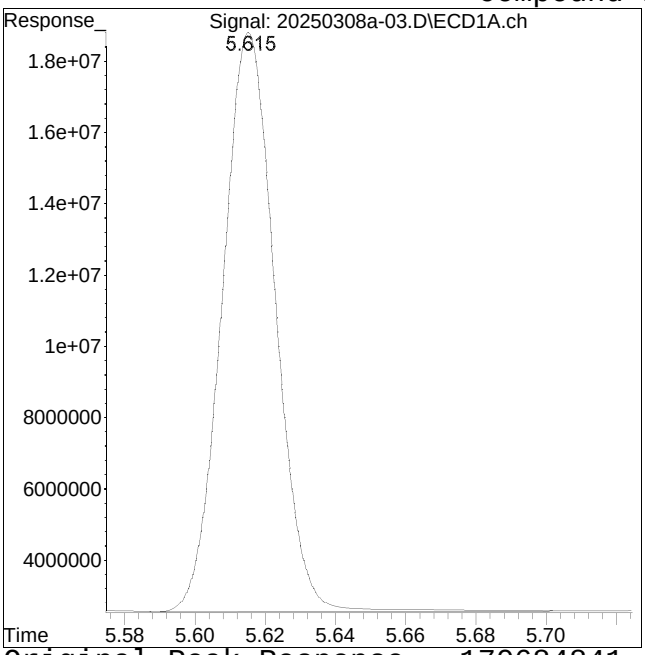


Original Peak Response = 319020854 Manual Peak Response = 316413889 M4
M4 = Poor automated baseline construction.

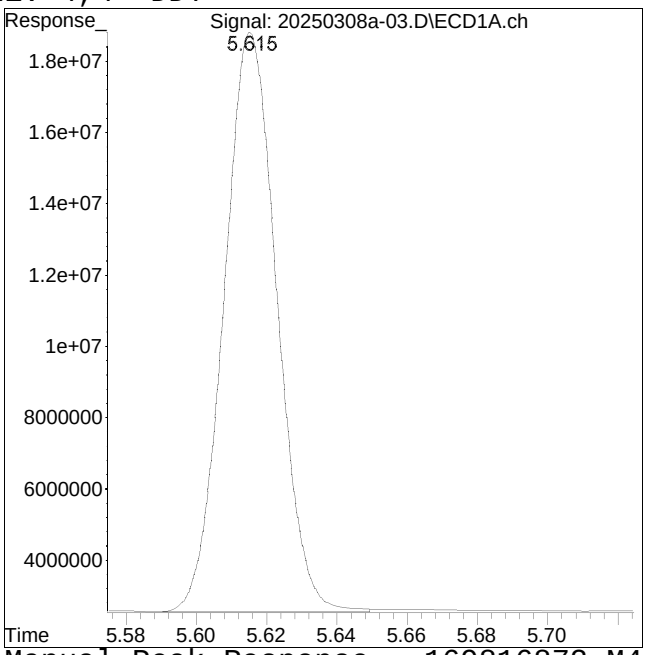
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #21: 4,4'-DDT



Original Peak Response = 170684841



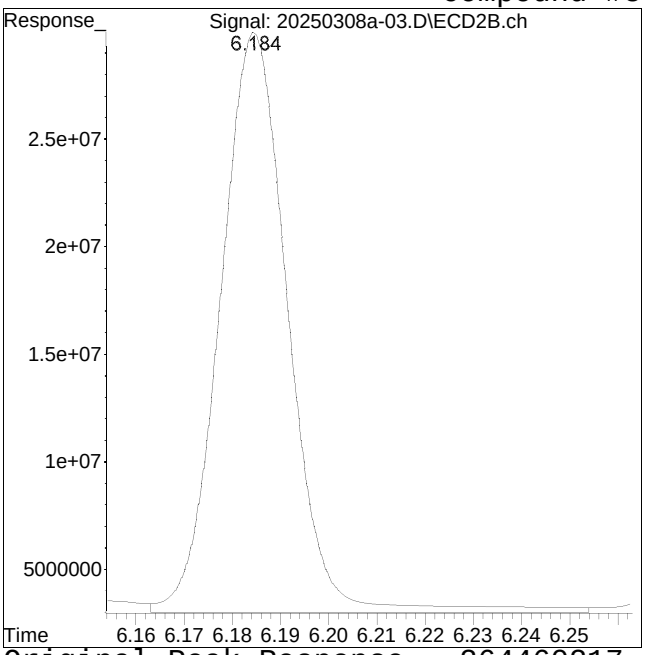
Manual Peak Response = 169816872 M4

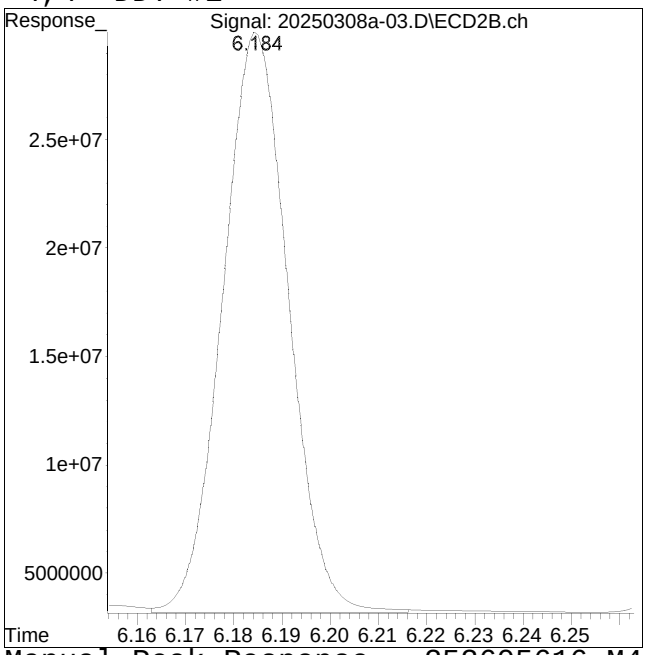
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #59: 4,4'-DDT #2



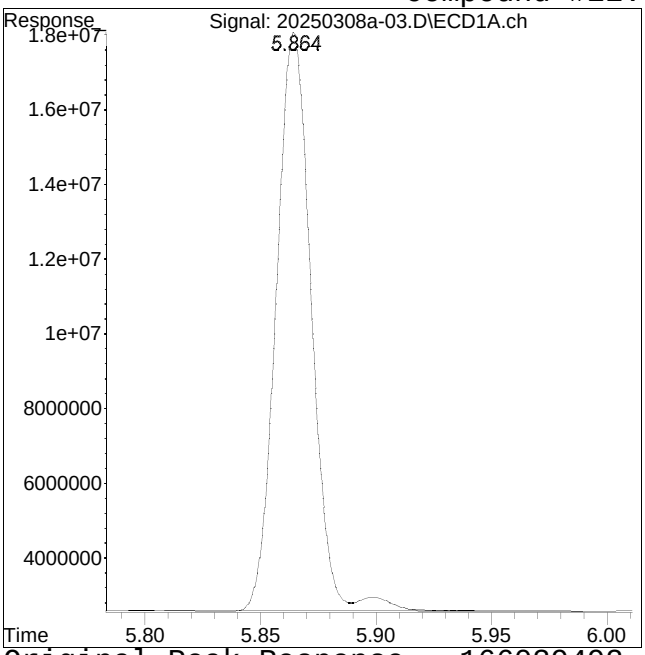


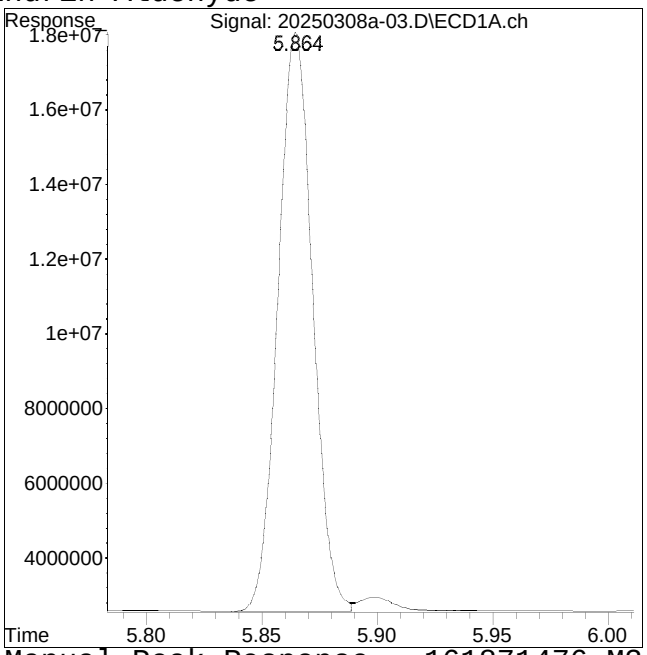
Original Peak Response = 264460217 Manual Peak Response = 252605616 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #22: Endrin Aldehyde





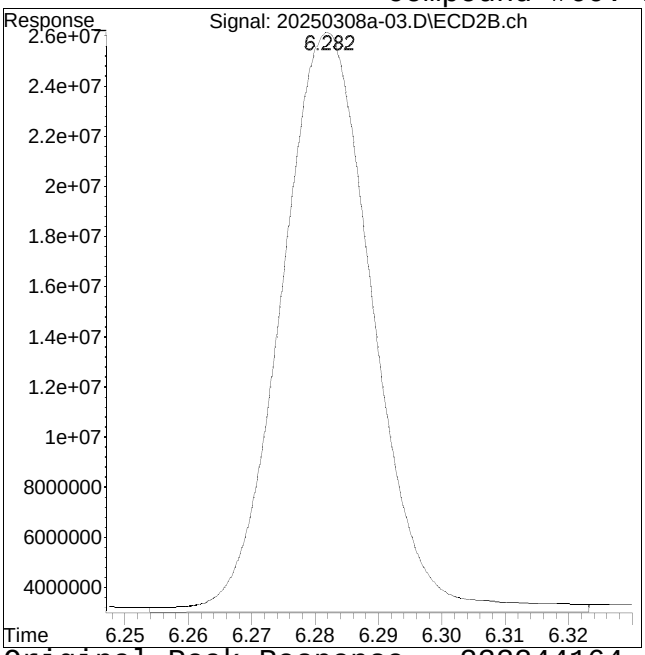
Original Peak Response = 166039492 Manual Peak Response = 161871476 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

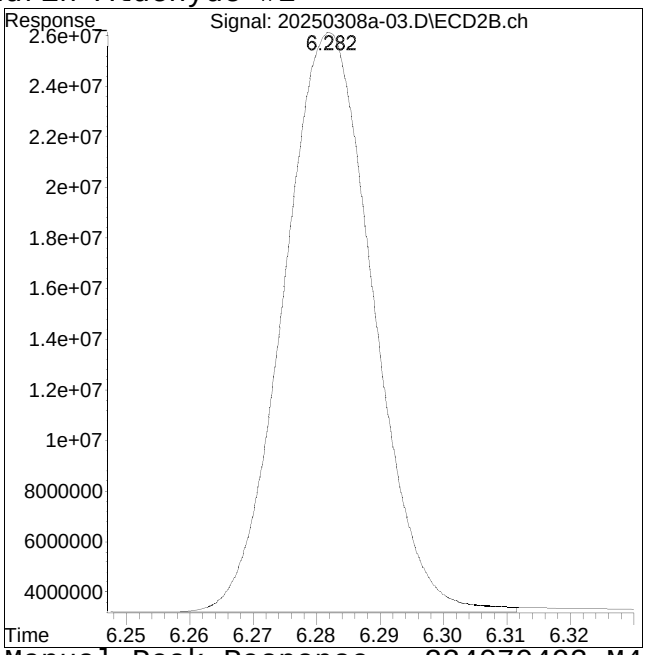
Data Path : I:\PEST\Pest20\2025\250309Q
Data File : 20250308a-03.D
Date Inj'd : 3/9/2025 11:21
Sample : wg2038287-1,42,,pest11934

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:dlp
Instrument : PEST 20
Quant Date : 3/9/2025 12:03 pm

Compound #60: Endrin Aldehyde #2



Original Peak Response = 233244164



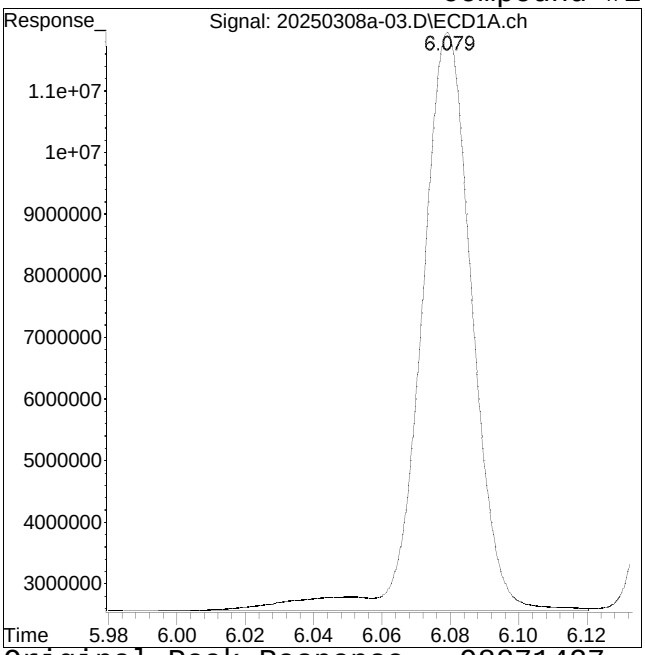
Manual Peak Response = 224070493 M4

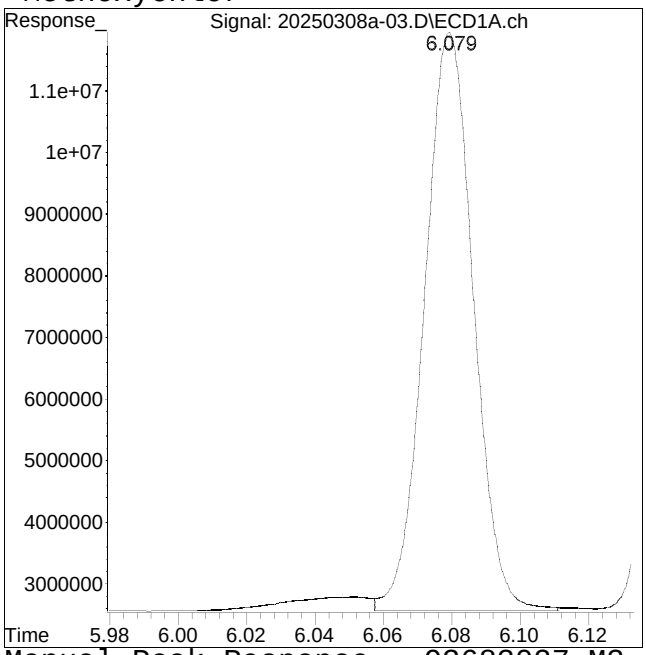
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #23: Methoxychlor



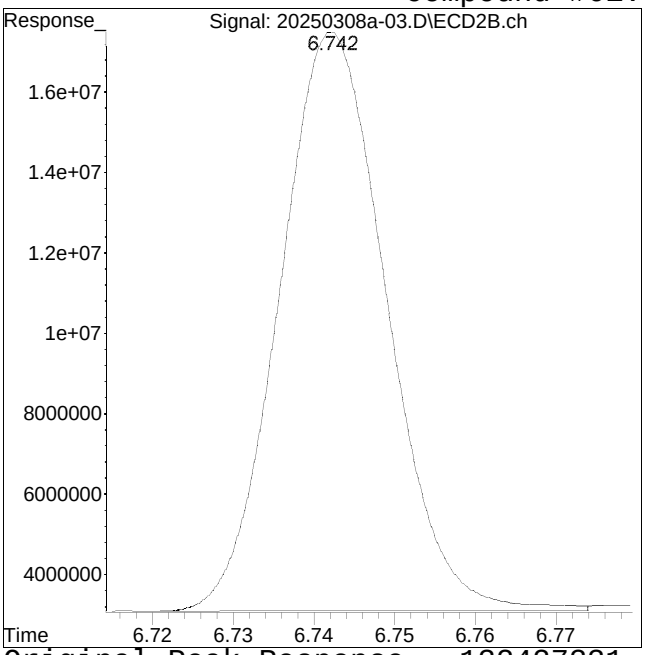


Original Peak Response = 98271427 Manual Peak Response = 93683027 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

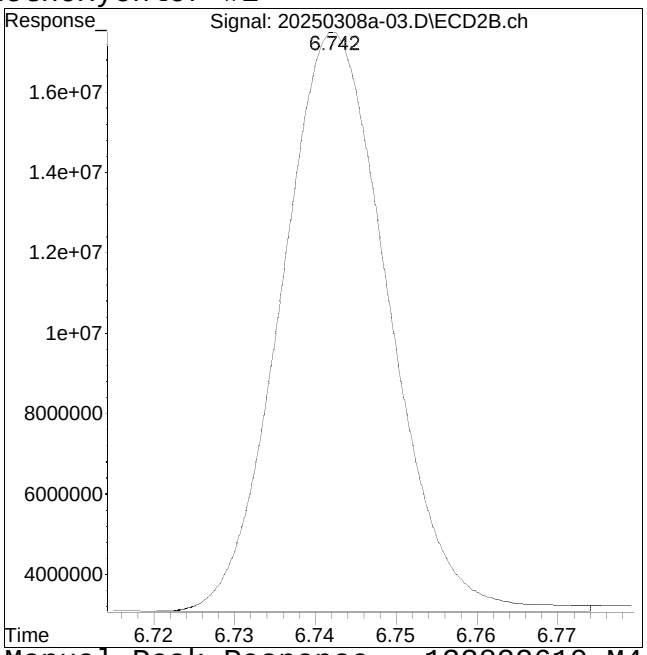
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #61: Methoxychlor #2



Original Peak Response = 132427331



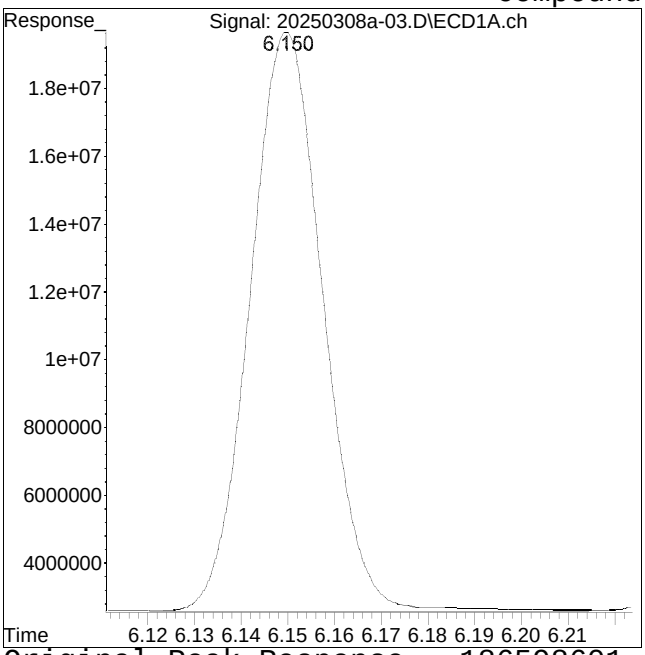
Manual Peak Response = 132822610 M4

M4 = Poor automated baseline construction.

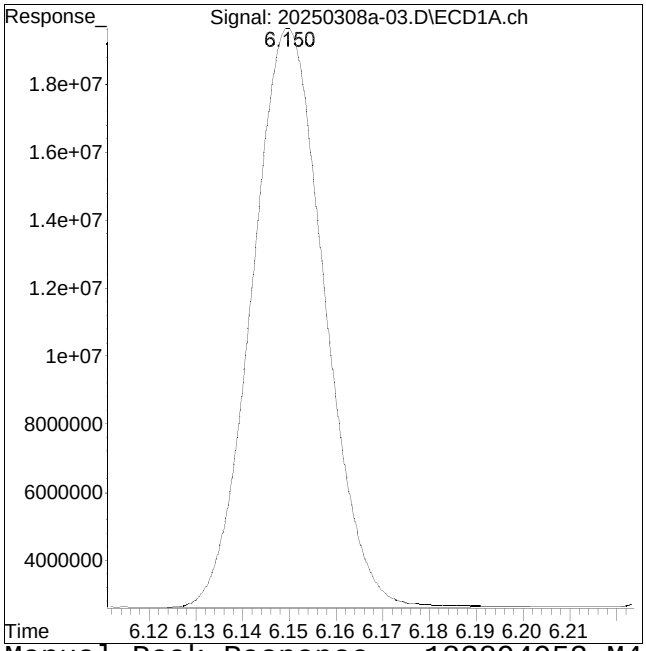
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #24: Mirex



Original Peak Response = 186598601



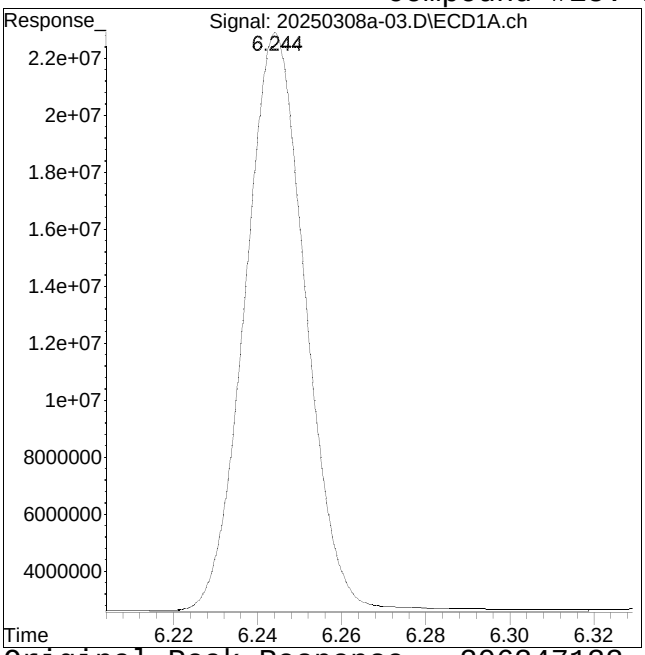
Manual Peak Response = 183894953 M4

M4 = Poor automated baseline construction.

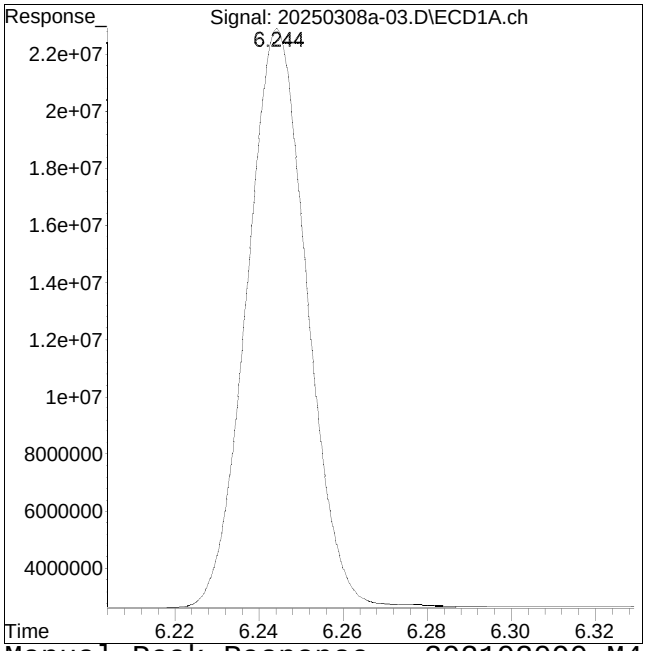
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #25: Endosulfan Sulfate



Original Peak Response = 206347133



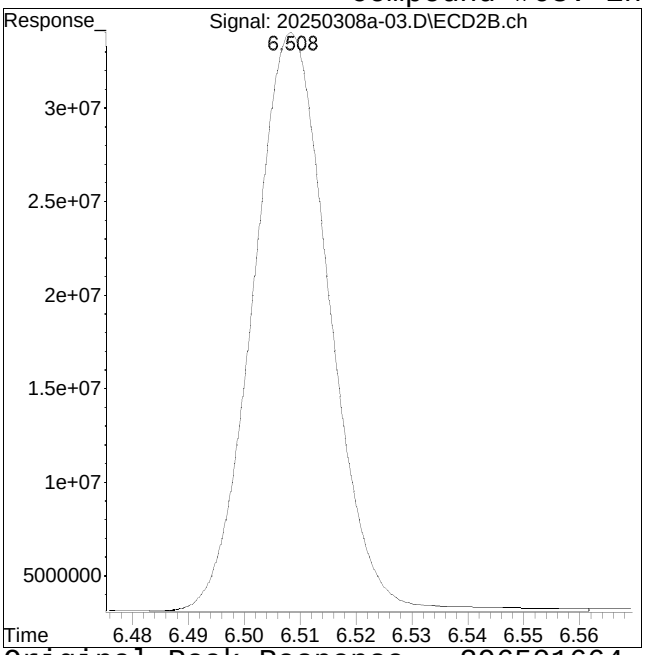
Manual Peak Response = 202102090 M4

M4 = Poor automated baseline construction.

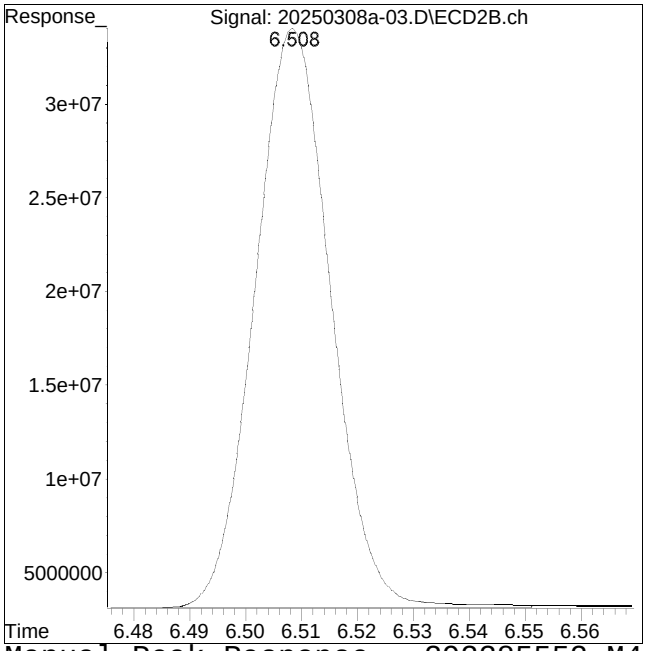
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #63: Endosulfan Sulfate #2



Original Peak Response = 296501664



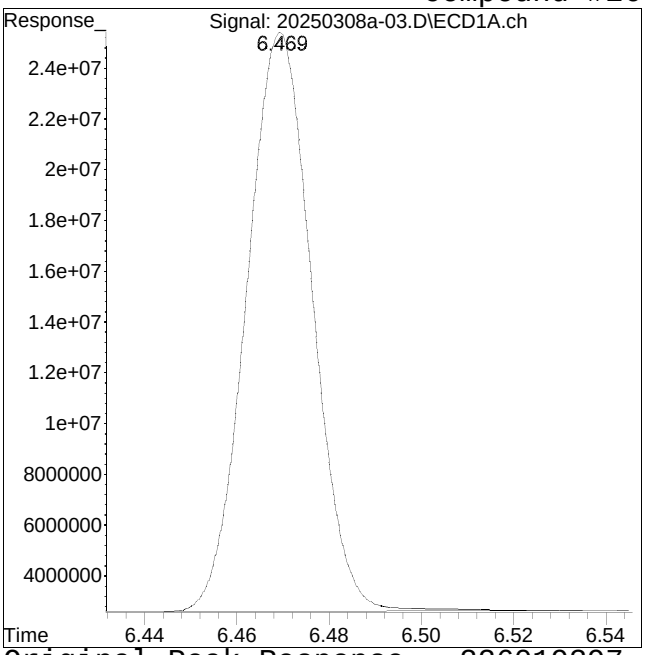
Manual Peak Response = 292385552 M4

M4 = Poor automated baseline construction.

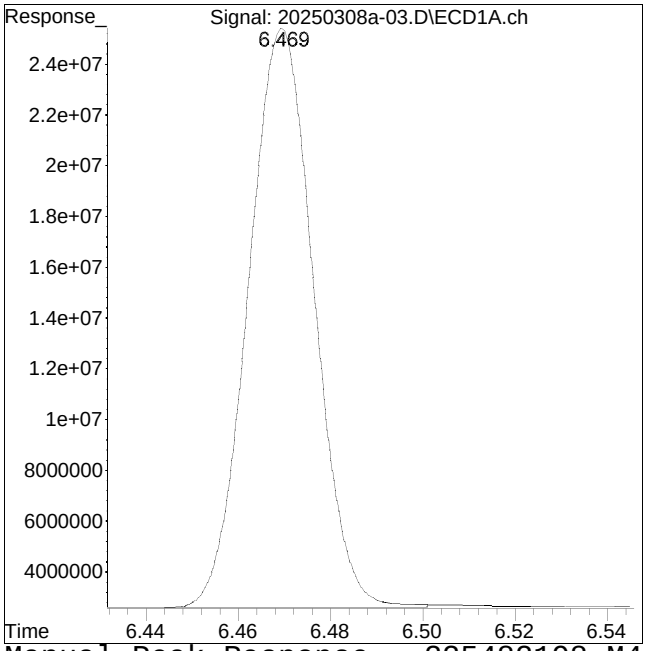
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #26: Endrin Ketone



Original Peak Response = 226019397



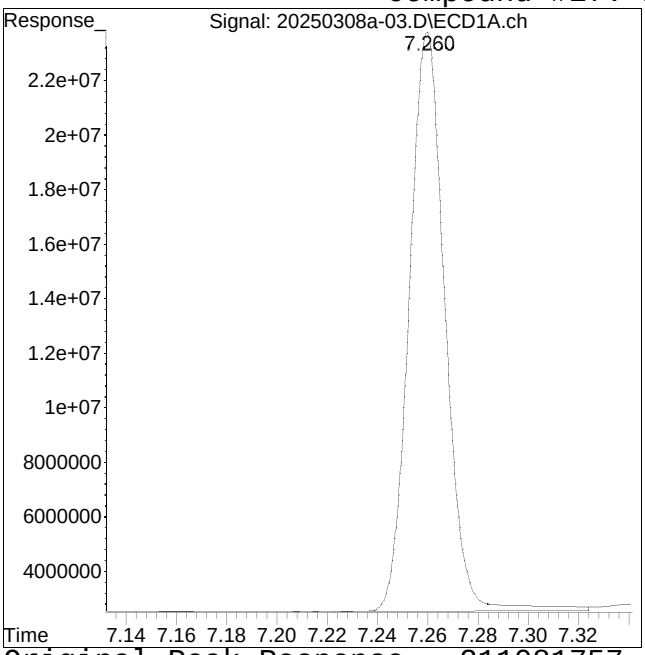
Manual Peak Response = 225482198 M4

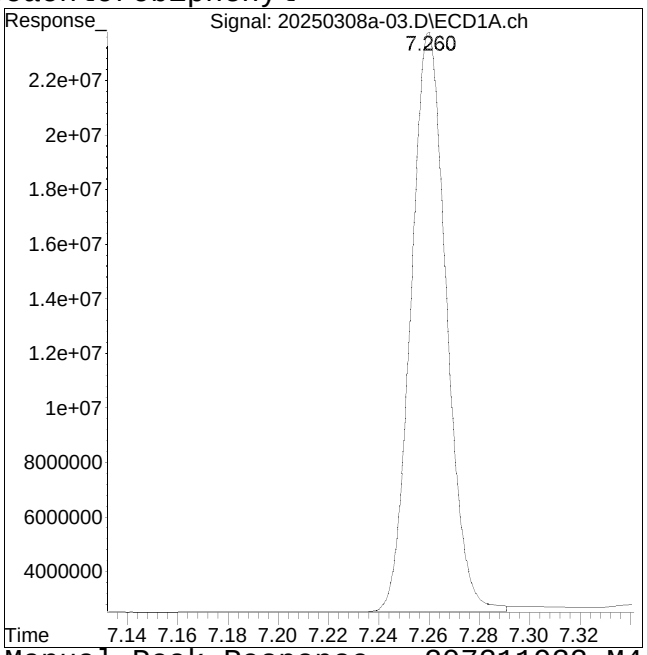
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #27: Decachlorobiphenyl



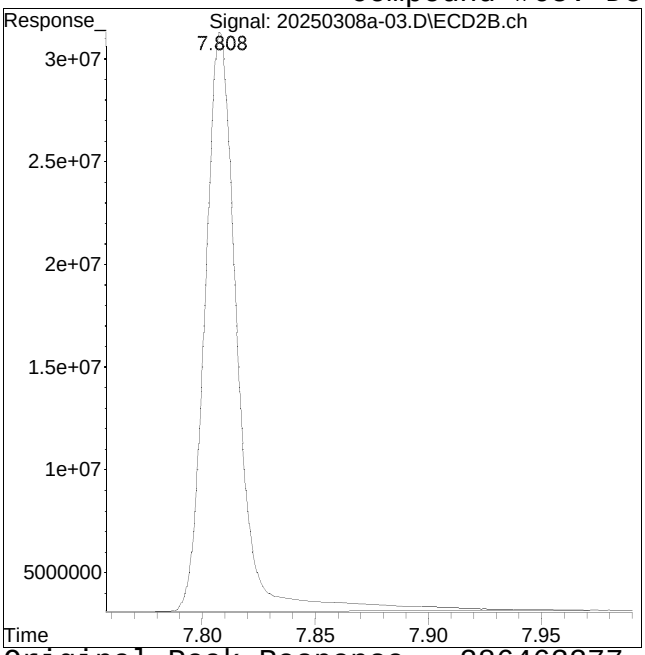


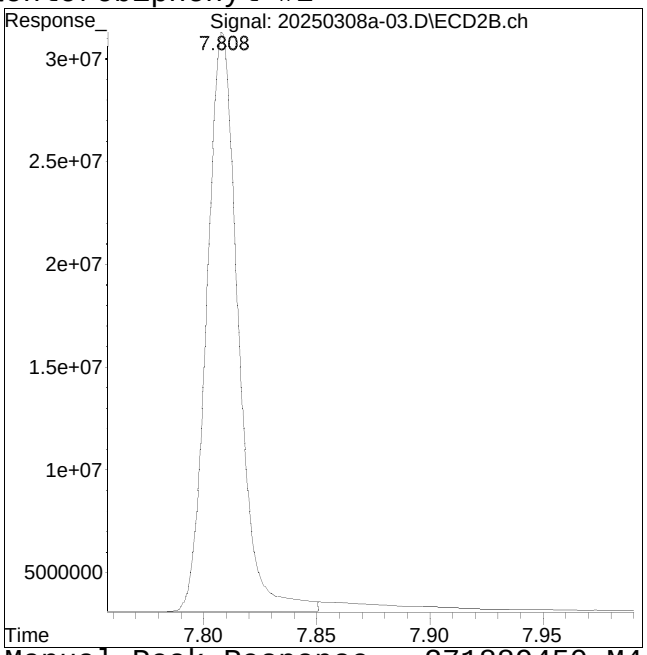
Original Peak Response = 211081757 Manual Peak Response = 207311932 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-03.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:21 Instrument : PEST 20
Sample : wg2038287-1,42,,pest11934 Quant Date : 3/9/2025 12:03 pm

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 286463377 Manual Peak Response = 271889450 M4
M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest20\2025\250309a\
Data File : 20250308a-05.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 09 Mar 2025 11:45
Operator : pest20:dlp
Sample   : wg2038287-3,42,,tox11899 (Sig #1); tox11899 (Sig #2)
Misc   : wg2038287,,ical21840
ALS Vial : 5   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 09 12:40:44 2025
Quant Method : I:\PEST\Pest20\2025\250309a\pest20_2025_01_03_ugL_ICAL21840.m
Quant Title : pest
QLast Update : Sun Mar 09 12:40:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	122	0.00
34	l2	toxaphene-1		0.065	0.061	6.2	116	0.00
35	l2	toxaphene-2		0.038	0.032	15.8	103	0.00
36	l2	toxaphene-4		0.055	0.039	29.1#	90	0.00
37	l2	toxaphene-5		0.046	0.036	21.7#	99	0.00

Signal #2

33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	95	0.00
34	l2	toxaphene-1		0.024	0.024	0.0	95	0.00
35	l2	toxaphene-2		0.036	0.034	5.6	93	0.00
36	l2	toxaphene-4		0.042	0.036	14.3	83	0.00
37	l2	toxaphene-5		0.040	0.034	15.0	84	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.90#
2	s	2,4,5,6-Tetrachloro-m-xylen		1.173	0.000	100.0#	0#	-2.37#
3		Hexachlorobenzene		1.275	0.000	100.0#	0#	-2.64#
4		alpha-BHC		1.456	0.000	100.0#	0#	-2.76#
5		gamma-BHC (lindane)		1.399	0.000	100.0#	0#	-3.00#
6		beta-BHC		0.673	0.000	100.0#	0#	-3.07#
7		delta-BHC		1.367	0.000	100.0#	0#	-3.22#
8		Heptachlor		1.361	0.000	100.0#	0#	-3.41#
9		Aldrin		1.290	0.000	100.0#	0#	-3.69#
10		Alachlor		0.231	0.000	100.0#	0#	-3.83#
11		Chlorpyrifos	*	50.000	0.000	100.0#	0	-3.93#
12		Heptachlor Epoxide		1.249	0.000	100.0#	0#	-4.29#
13		gamma-Chlordane (trans)		1.140	0.000	100.0#	0#	-4.43#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest20\2025\250309a\
Data File : 20250308a-05.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 09 Mar 2025 11:45
Operator : pest20:dlp
Sample   : wg2038287-3,42,,tox11899 (Sig #1); tox11899 (Sig #2)
Misc   : wg2038287,,ical21840
ALS Vial : 5   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 09 12:40:44 2025
Quant Method : I:\PEST\Pest20\2025\250309a\pest20_2025_01_03_ugL_ICAL21840.m
Quant Title : pest
QLast Update : Sun Mar 09 12:40:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
14		alpha-Chlordane (cis)		1.300	0.000	100.0#	0#	-4.58#
15		4,4'-DDE		1.256	0.000	100.0#	0#	-4.68#
16		Endosulfan I		1.202	0.000	100.0#	0#	-4.73#
17		Dieldrin		1.238	0.000	100.0#	0#	-5.00#
18		Endrin		1.270	0.000	100.0#	0#	-5.24#
19		4,4'-DDD		1.010	0.000	100.0#	0#	-5.34#
20		Endosulfan II		1.112	0.000	100.0#	0#	-5.47#
21		4,4'-DDT		1.094	0.000	100.0#	0#	-5.62#
22		Endrin Aldehyde	*	50.000	0.000	100.0#	0	-5.86#
23		Methoxychlor		0.632	0.000	100.0#	0#	-6.08#
24		Mirex	*	50.000	0.000	100.0#	0	-6.15#
25		Endosulfan Sulfate		1.066	0.000	100.0#	0#	-6.24#
26		Endrin Ketone		1.216	0.000	100.0#	0#	-6.47#
27	s	Decachlorobiphenyl	*	50.000	0.000	100.0#	0	-7.26#
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.90#
29	l1	chlordane-1	*	1000.000	0.000	100.0#	0	-3.34#
30	l1	chlordane-3	*	1000.000	0.000	100.0#	0	-3.82#
31	l1	chlordane-4	*	1000.000	0.000	100.0#	0	-4.44#
32	l1	chlordane-5	*	1000.000	0.000	100.0#	0	-4.58#

Signal #2

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.95#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.114	0.000	100.0#	0#	-2.55#
3		Hexachlorobenzene		1.189	0.000	100.0#	0#	-2.92#
4		alpha-BHC		1.411	0.000	100.0#	0#	-3.03#
5		gamma-BHC (lindane)		1.343	0.000	100.0#	0#	-3.35#
6		beta-BHC		0.637	0.000	100.0#	0#	-3.43#
7		delta-BHC		1.307	0.000	100.0#	0#	-3.72#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest20\2025\250309a\
Data File : 20250308a-05.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 09 Mar 2025 11:45
Operator : pest20:dlp
Sample   : wg2038287-3,42,,tox11899 (Sig #1); tox11899 (Sig #2)
Misc   : wg2038287,,ical21840
ALS Vial : 5   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 09 12:40:44 2025
Quant Method : I:\PEST\Pest20\2025\250309a\pest20_2025_01_03_ugL_ICAL21840.m
Quant Title : pest
QLast Update : Sun Mar 09 12:40:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
8		Heptachlor		1.281	0.000	100.0#	0#	-3.78#
9		Aldrin		1.197	0.000	100.0#	0#	-4.13#
10		Alachlor		0.192	0.000	100.0#	0#	-4.01#
11		Chlorpyrifos		0.634	0.000	100.0#	0#	-4.38#
12		Heptachlor Epoxide		1.164	0.000	100.0#	0#	-4.78#
13		gamma-Chlordane (trans)		1.060	0.000	100.0#	0#	-5.00#
14		alpha-Chlordane (cis)		1.191	0.000	100.0#	0#	-5.16#
15		4,4'-DDE		1.107	0.000	100.0#	0#	-5.35#
16		Endosulfan I		1.116	0.000	100.0#	0#	-5.22#
17		Dieldrin		1.141	0.000	100.0#	0#	-5.50#
18		Endrin		1.205	0.000	100.0#	0#	-5.79#
19		4,4'-DDD		0.878	0.000	100.0#	0#	-5.91#
20		Endosulfan II		1.033	0.000	100.0#	0#	-5.99#
21		4,4'-DDT		1.032	0.000	100.0#	0#	-6.18#
22		Endrin Aldehyde		0.816	0.000	100.0#	0#	-6.28#
23		Methoxychlor		0.555	0.000	100.0#	0#	-6.74#
24		Mirex		0.915	0.000	100.0#	0#	-6.89#
25		Endosulfan Sulfate		0.983	0.000	100.0#	0#	-6.51#
26		Endrin Ketone		1.125	0.000	100.0#	0#	-6.92#
27	s	Decachlorobiphenyl		0.927	0.000	100.0#	0#	-7.81#
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.95#
29	l1	chlordane-1		*1000.000	0.000	100.0#	0	-3.64#
30	l1	chlordane-3		*1000.000	0.000	100.0#	0	-4.29#
31	l1	chlordane-4		*1000.000	0.000	100.0#	0	-5.01#
32	l1	chlordane-5		*1000.000	0.000	100.0#	0	-5.17#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250309a\
Data File : 20250308a-05.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Mar 2025 11:45
Operator : pest20:dlp
Sample : wg2038287-3,42,,tox11899 (Sig #1); tox11899 (Sig #2)
Misc : wg2038287,,ical21840
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 09 12:40:44 2025
Quant Method : I:\PEST\Pest20\2025\250309a\pest20_2025_01_03_ugL_ICAL21840.m
Quant Title : pest
QLast Update : Sun Mar 09 12:40:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.899	1.947	102.7E6	143.9E6	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest20\2025\250309a\
Data File : 20250308a-05.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Mar 2025 11:45
Operator : pest20:dlp
Sample : wg2038287-3,42,,tox11899 (Sig #1); tox11899 (Sig #2)
Misc : wg2038287,,ical21840
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 09 12:40:44 2025
Quant Method : I:\PEST\Pest20\2025\250309a\pest20_2025_01_03_ugL_ICAL21840.m
Quant Title : pest
QLast Update : Sun Mar 09 12:40:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	5.458	5.949	497.8E6	271.2E6	1859.140M4	2000.173
35) l2	toxaphene-2	5.978	5.977	260.2E6	392.3E6	1665.382M3	1904.547
36) l2	toxaphene-4	6.074	6.289	324.4E6	415.1E6	1441.310	1720.184
37) l2	toxaphene-5	6.157	6.696	292.5E6	386.5E6	1545.793	1694.500
Sum	toxaphene-1			1374.9E6	1465.2E6	6511.624	7319.404
Average	toxaphene-1					1627.906	1829.851

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			1374.9E6	1465.2E6	6511.624	7319.404
Average	toxaphene-1					1627.906	1829.851

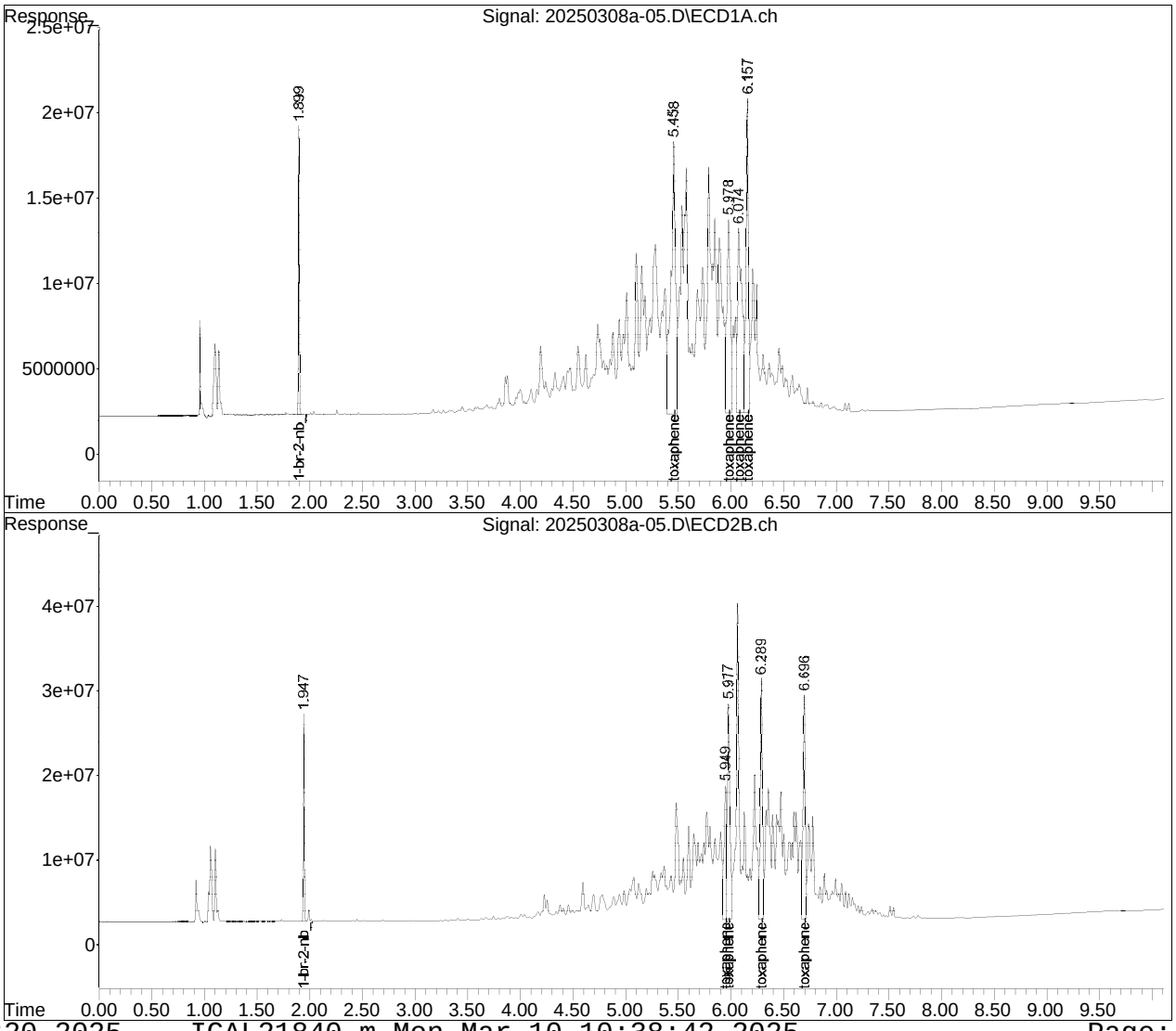
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2025\250309a\
Data File : 20250308a-05.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Mar 2025 11:45
Operator : pest20:dlp
Sample : wg2038287-3,42,,tox11899 (Sig #1); tox11899 (Sig #2)
Misc : wg2038287,,ical21840
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 09 12:40:44 2025
Quant Method : I:\PEST\Pest20\2025\250309a\pest20_2025_01_03_ugL_ICAL21840.m
Quant Title : pest
QLast Update : Sun Mar 09 12:40:19 2025
Response via : Initial Calibration
Integrator: ChemStation

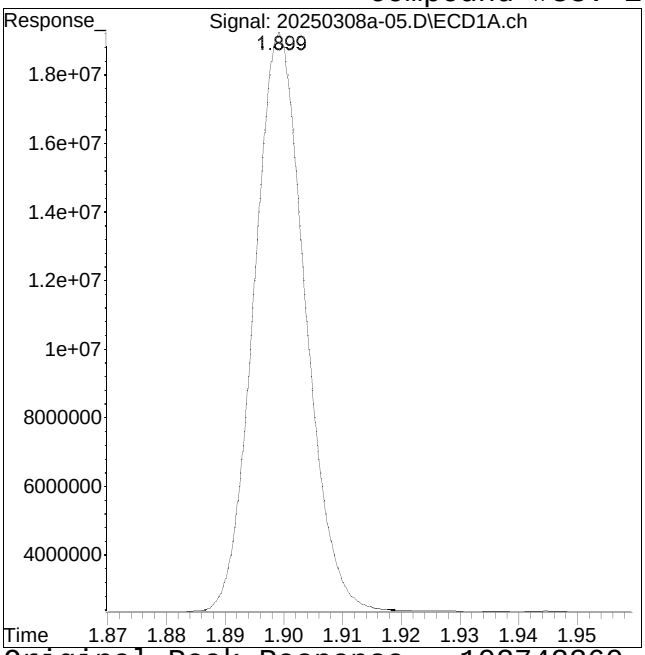
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



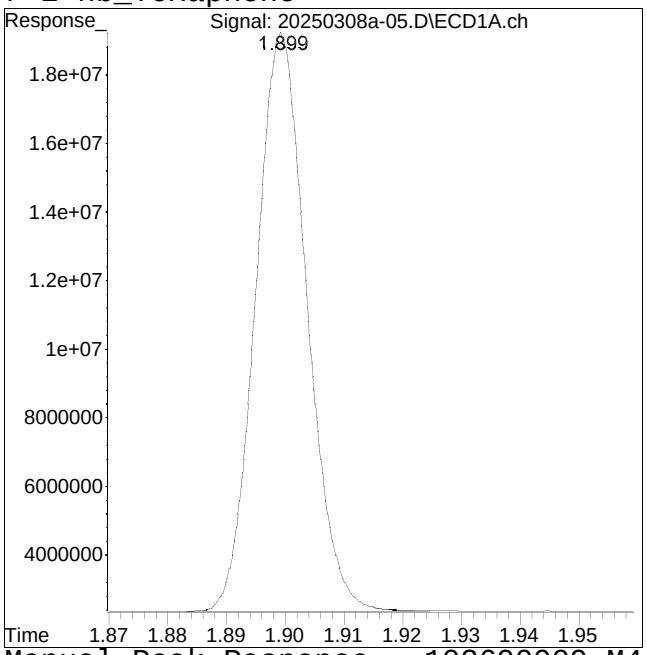
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-05.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:45 Instrument : PEST 20
Sample : wg2038287-3,42,,tox11899 Quant Date : 3/9/2025 12:40 pm

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 102742360



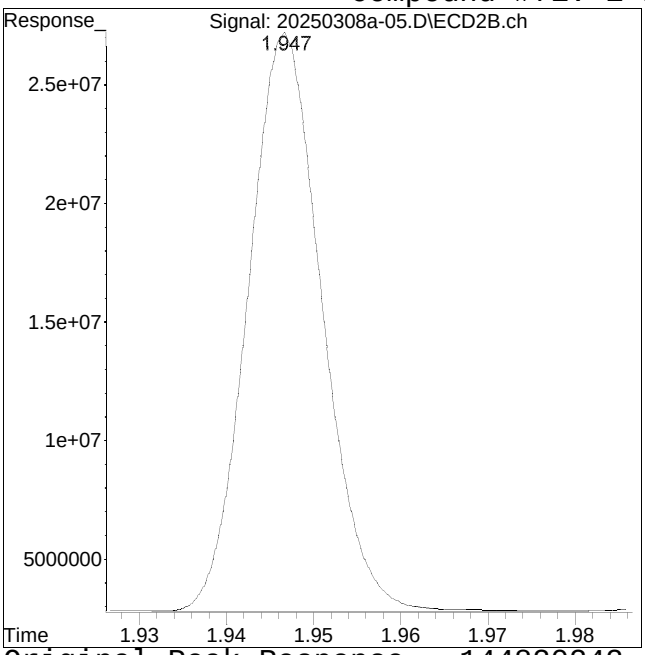
Manual Peak Response = 102690909 M4

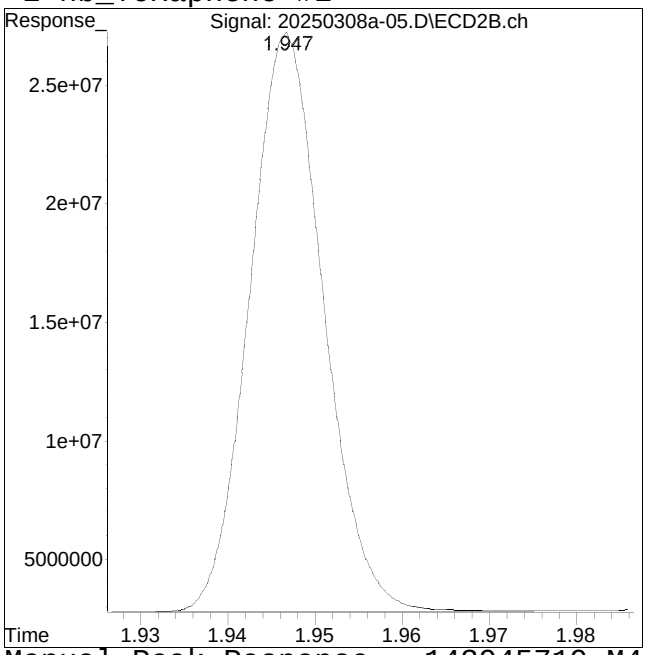
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-05.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:45 Instrument : PEST 20
Sample : wg2038287-3,42,,tox11899 Quant Date : 3/9/2025 12:40 pm

Compound #71: 1-br-2-nb_Toxaphene #2



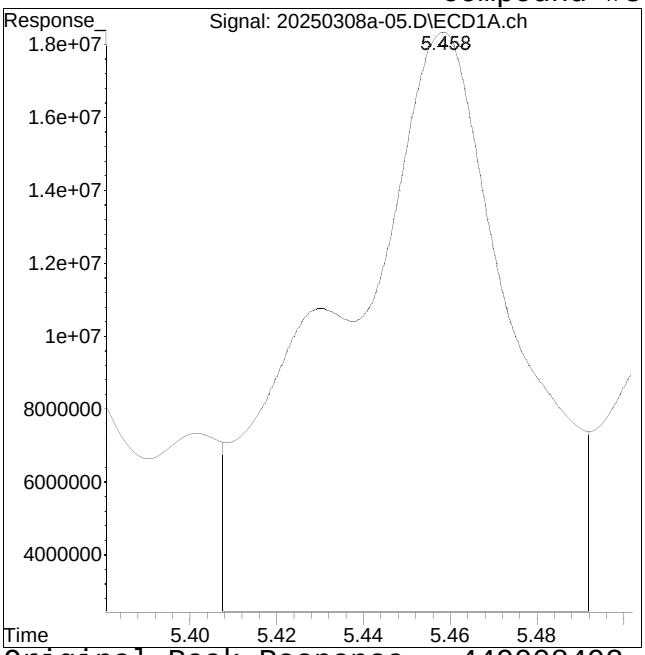


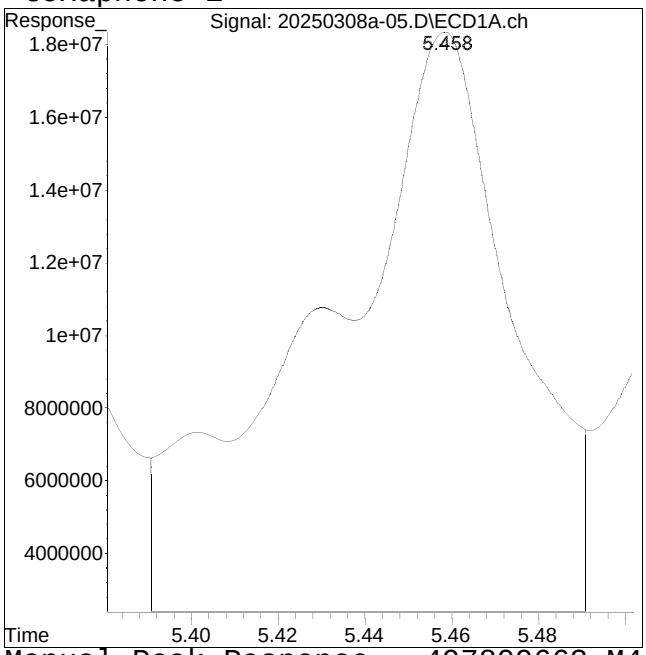
Original Peak Response = 144820242 Manual Peak Response = 143945719 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-05.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:45 Instrument : PEST 20
Sample : wg2038287-3,42,,tox11899 Quant Date : 3/9/2025 12:40 pm

Compound #34: toxaphene-1



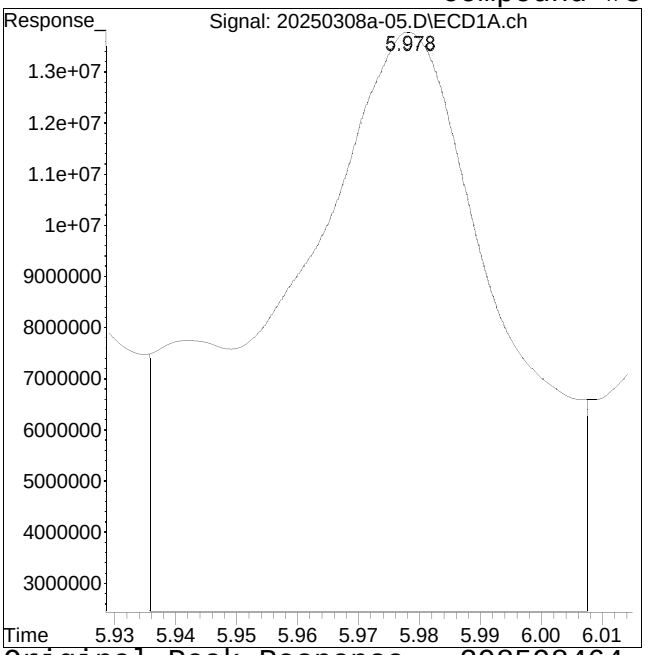


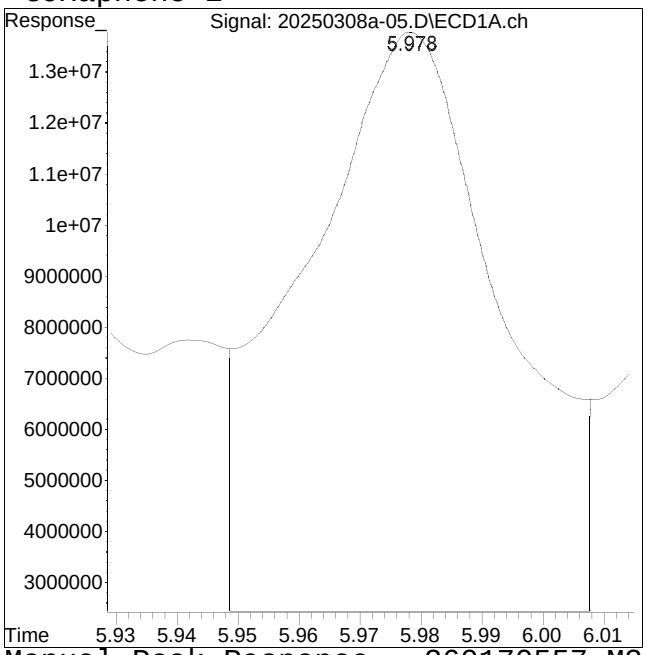
Original Peak Response = 449008493 Manual Peak Response = 497809663 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-05.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:45 Instrument : PEST 20
Sample : wg2038287-3,42,,tox11899 Quant Date : 3/9/2025 12:40 pm

Compound #35: toxaphene-2





Original Peak Response = 298598464 Manual Peak Response = 260170557 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest20\2025\250309a\
Data File : 20250308a-07.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 09 Mar 2025 12:22
Operator : pest20:dlp
Sample   : wg2038287-2,42,,chlor ccv pp12008 (Sig #1); chlor ccv pp12008 (Sig #2)
Misc   : wg2038287,,ical21840
ALS Vial : 7   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 09 12:35:25 2025
Quant Method : I:\PEST\Pest20\2025\250309a\pest20_2025_01_03_ugL_ICAL21840.m
Quant Title : pest
QLast Update : Sun Mar 09 12:35:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	122	0.00
29	l1	chlordane-1		*1000.000	891.955	10.8	110	0.00
30	l1	chlordane-3		*1000.000	891.036	10.9	108	0.00
31	l1	chlordane-4		*1000.000	855.015	14.5	104	0.00
32	l1	chlordane-5		*1000.000	844.316	15.6	103	0.00

Signal #2

28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	99	0.00
29	l1	chlordane-1		*1000.000	906.068	9.4	87	0.00
30	l1	chlordane-3		*1000.000	927.629	7.2	88	0.00
31	l1	chlordane-4		*1000.000	872.021	12.8	83	0.00
32	l1	chlordane-5		*1000.000	880.456	12.0	83	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.90#
2	s	2,4,5,6-Tetrachloro-m-xylen		1.173	0.000	100.0#	0#	-2.37#
3		Hexachlorobenzene		1.275	0.000	100.0#	0#	-2.64#
4		alpha-BHC		1.456	0.000	100.0#	0#	-2.76#
5		gamma-BHC (lindane)		1.399	0.000	100.0#	0#	-3.00#
6		beta-BHC		0.673	0.000	100.0#	0#	-3.07#
7		delta-BHC		1.367	0.000	100.0#	0#	-3.22#
8		Heptachlor		1.361	0.000	100.0#	0#	-3.41#
9		Aldrin		1.290	0.000	100.0#	0#	-3.69#
10		Alachlor		0.231	0.000	100.0#	0#	-3.83#
11		Chlorpyrifos		* 50.000	0.000	100.0#	0	-3.93#
12		Heptachlor Epoxide		1.249	0.000	100.0#	0#	-4.29#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest20\2025\250309a\
Data File : 20250308a-07.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 09 Mar 2025 12:22
Operator : pest20:dlp
Sample   : wg2038287-2,42,,chlor ccv pp12008 (Sig #1); chlor ccv pp12008 (Sig #2)
Misc   : wg2038287,,ical21840
ALS Vial : 7   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 09 12:35:25 2025
Quant Method : I:\PEST\Pest20\2025\250309a\pest20_2025_01_03_ugL_ICAL21840.m
Quant Title : pest
QLast Update : Sun Mar 09 12:35:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
13		gamma-Chlordane (trans)		1.140	0.000	100.0#	0#	-4.43#
14		alpha-Chlordane (cis)		1.300	0.000	100.0#	0#	-4.58#
15		4,4'-DDE		1.256	0.000	100.0#	0#	-4.68#
16		Endosulfan I		1.202	0.000	100.0#	0#	-4.73#
17		Dieldrin		1.238	0.000	100.0#	0#	-5.00#
18		Endrin		1.270	0.000	100.0#	0#	-5.24#
19		4,4'-DDD		1.010	0.000	100.0#	0#	-5.34#
20		Endosulfan II		1.112	0.000	100.0#	0#	-5.47#
21		4,4'-DDT		1.094	0.000	100.0#	0#	-5.62#
22		Endrin Aldehyde	*	50.000	0.000	100.0#	0	-5.86#
23		Methoxychlor		0.632	0.000	100.0#	0#	-6.08#
24		Mirex	*	50.000	0.000	100.0#	0	-6.15#
25		Endosulfan Sulfate		1.066	0.000	100.0#	0#	-6.24#
26		Endrin Ketone		1.216	0.000	100.0#	0#	-6.47#
27	s	Decachlorobiphenyl	*	50.000	0.000	100.0#	0	-7.26#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.90#
34	l2	toxaphene-1		0.065	0.000	100.0#	0#	-5.46#
35	l2	toxaphene-2		0.038	0.000	100.0#	0#	-5.98#
36	l2	toxaphene-4		0.055	0.000	100.0#	0#	-6.07#
37	l2	toxaphene-5		0.046	0.000	100.0#	0#	-6.16#

Signal #2

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.95#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.114	0.000	100.0#	0#	-2.55#
3		Hexachlorobenzene		1.189	0.000	100.0#	0#	-2.92#
4		alpha-BHC		1.411	0.000	100.0#	0#	-3.03#
5		gamma-BHC (lindane)		1.343	0.000	100.0#	0#	-3.35#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest20\2025\250309a\
Data File : 20250308a-07.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 09 Mar 2025 12:22
Operator : pest20:dlp
Sample   : wg2038287-2,42,,chlor ccv pp12008 (Sig #1); chlor ccv pp12008 (Sig #2)
Misc   : wg2038287,,ical21840
ALS Vial : 7   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 09 12:35:25 2025
Quant Method : I:\PEST\Pest20\2025\250309a\pest20_2025_01_03_ugL_ICAL21840.m
Quant Title : pest
QLast Update : Sun Mar 09 12:35:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
6		beta-BHC		0.637	0.000	100.0#	0#	-3.43#
7		delta-BHC		1.307	0.000	100.0#	0#	-3.72#
8		Heptachlor		1.281	0.000	100.0#	0#	-3.78#
9		Aldrin		1.197	0.000	100.0#	0#	-4.13#
10		Alachlor		0.192	0.000	100.0#	0#	-4.01#
11		Chlorpyrifos		0.634	0.000	100.0#	0#	-4.38#
12		Heptachlor Epoxide		1.164	0.000	100.0#	0#	-4.78#
13		gamma-Chlordane (trans)		1.060	0.000	100.0#	0#	-5.00#
14		alpha-Chlordane (cis)		1.191	0.000	100.0#	0#	-5.16#
15		4,4'-DDE		1.107	0.000	100.0#	0#	-5.35#
16		Endosulfan I		1.116	0.000	100.0#	0#	-5.22#
17		Dieldrin		1.141	0.000	100.0#	0#	-5.50#
18		Endrin		1.205	0.000	100.0#	0#	-5.79#
19		4,4'-DDD		0.878	0.000	100.0#	0#	-5.91#
20		Endosulfan II		1.033	0.000	100.0#	0#	-5.99#
21		4,4'-DDT		1.032	0.000	100.0#	0#	-6.18#
22		Endrin Aldehyde		0.816	0.000	100.0#	0#	-6.28#
23		Methoxychlor		0.555	0.000	100.0#	0#	-6.74#
24		Mirex		0.915	0.000	100.0#	0#	-6.89#
25		Endosulfan Sulfate		0.983	0.000	100.0#	0#	-6.51#
26		Endrin Ketone		1.125	0.000	100.0#	0#	-6.92#
27	s	Decachlorobiphenyl		0.927	0.000	100.0#	0#	-7.81#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.95#
34	l2	toxaphene-1		0.024	0.000	100.0#	0#	-5.95#
35	l2	toxaphene-2		0.036	0.000	100.0#	0#	-5.98#
36	l2	toxaphene-4		0.042	0.000	100.0#	0#	-6.29#
37	l2	toxaphene-5		0.040	0.000	100.0#	0#	-6.70#

* Evaluation of CC level amount vs concentration.

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest20\2025\250309a\
Data File : 20250308a-07.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 09 Mar 2025 12:22
Operator : pest20:dlp
Sample   : wg2038287-2,42,,chlor ccv pp12008 (Sig #1); chlor ccv pp12008 (Sig #2)
Misc   : wg2038287,,ical21840
ALS Vial : 7   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 09 12:35:25 2025
Quant Method : I:\PEST\Pest20\2025\250309a\pest20_2025_01_03_ugL_ICAL21840.m
Quant Title : pest
QLast Update : Sun Mar 09 12:35:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area% Dev(Min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250309a\
Data File : 20250308a-07.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Mar 2025 12:22
Operator : pest20:dlp
Sample : wg2038287-2,42,,chlor ccv pp12008 (Sig #1); chlor ccv pp12008 (Sig #2)
Misc : wg2038287,,ical21840
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 09 12:35:25 2025
Quant Method : I:\PEST\Pest20\2025\250309a\pest20_2025_01_03_ugL_ICAL21840.m
Quant Title : pest
QLast Update : Sun Mar 09 12:35:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.900	1.946	103.7E6	159.2E6	25.000M3	25.000M4
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest20\2025\250309a\
Data File : 20250308a-07.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Mar 2025 12:22
Operator : pest20:dlp
Sample : wg2038287-2,42,,chlor ccv pp12008 (Sig #1); chlor ccv pp12008 (Sig #2)
Misc : wg2038287,,ical21840
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 09 12:35:25 2025
Quant Method : I:\PEST\Pest20\2025\250309a\pest20_2025_01_03_ugL_ICAL21840.m
Quant Title : pest
QLast Update : Sun Mar 09 12:35:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
22)		Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)		Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)		Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29)	l1	chlordane-1	3.341	3.637	144.9E6	206.1E6	891.955	906.068
30)	l1	chlordane-3	3.819	4.292	175.9E6	230.1E6	891.036	927.629
31)	l1	chlordane-4	4.437	5.005	606.5E6	801.2E6	855.015	872.021
32)	l1	chlordane-5	4.577	5.167	924.5E6	642.3E6	844.316M3	880.456
Sum		chlordane-1			1851.8E6	1879.7E6	N.D.	N.D. D
Average		chlordane-1					870.580	896.543
34)	l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35)	l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36)	l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37)	l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum		toxaphene-1			0	0	N.D.	N.D.
Average		toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum		toxaphene-1			0	0	N.D.	N.D.
Average		toxaphene-1					0.000	0.000

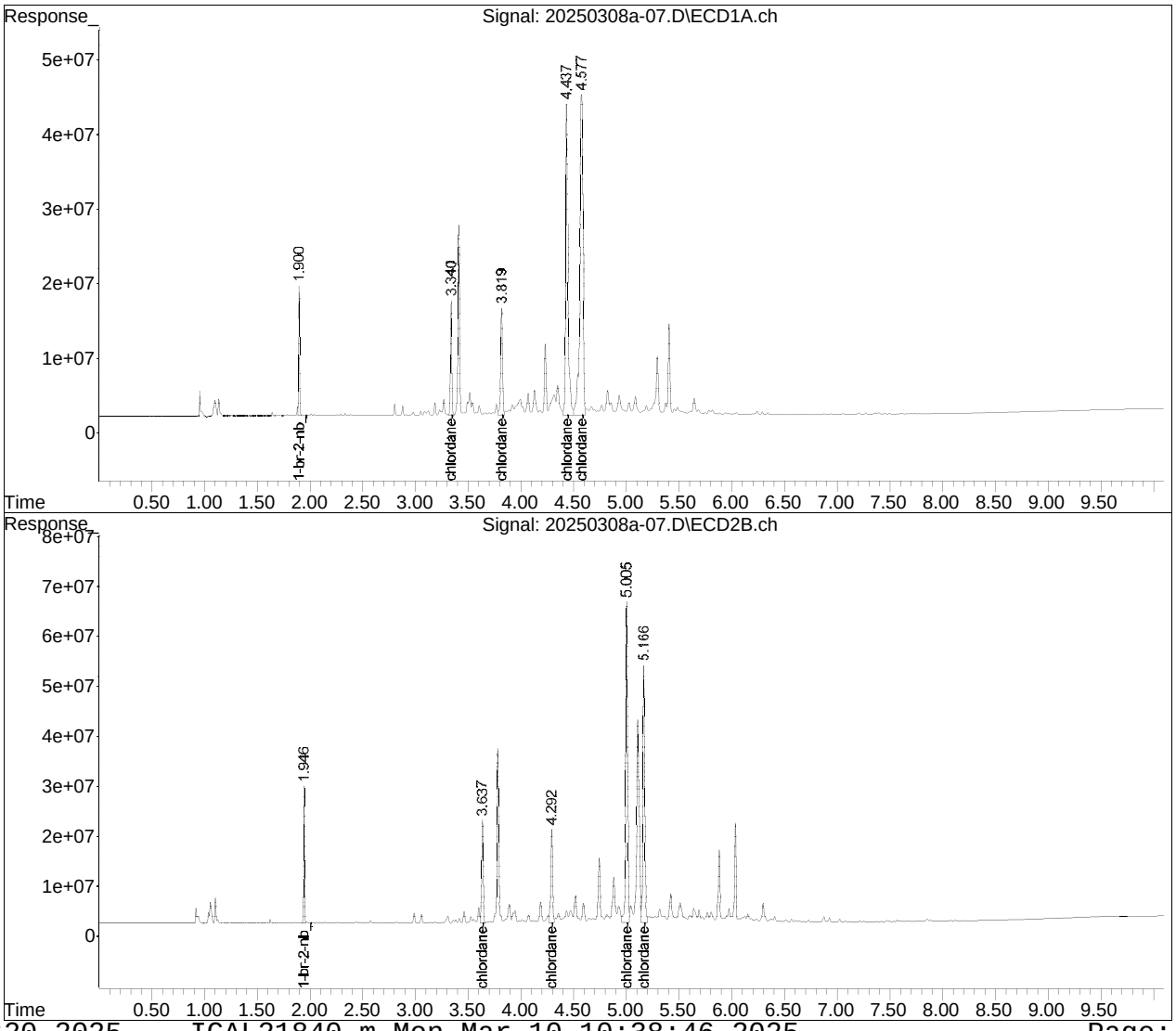
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2025\250309a\
Data File : 20250308a-07.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Mar 2025 12:22
Operator : pest20:dlp
Sample : wg2038287-2,42,,chlor ccv pp12008 (Sig #1); chlor ccv pp12008 (Sig
Misc : wg2038287,,ical21840
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 09 12:35:25 2025
Quant Method : I:\PEST\Pest20\2025\250309a\pest20_2025_01_03_ugL_ICAL21840.m
Quant Title : pest
QLast Update : Sun Mar 09 12:35:17 2025
Response via : Initial Calibration
Integrator: ChemStation

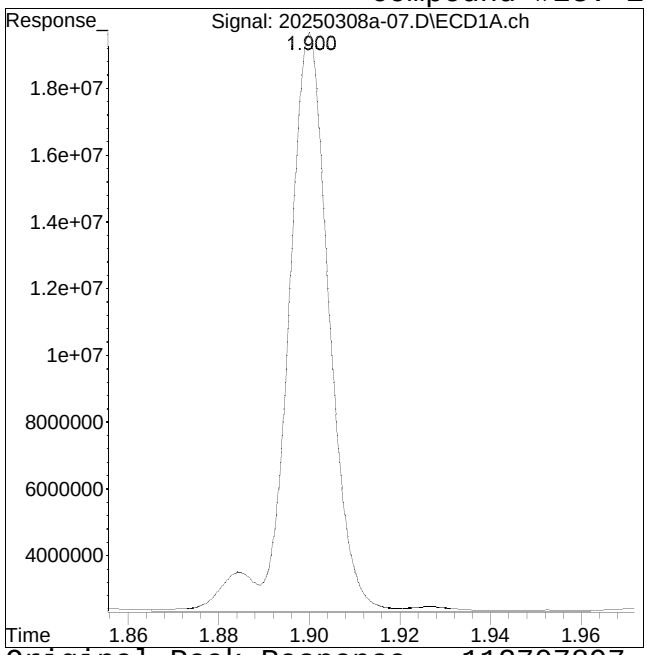
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

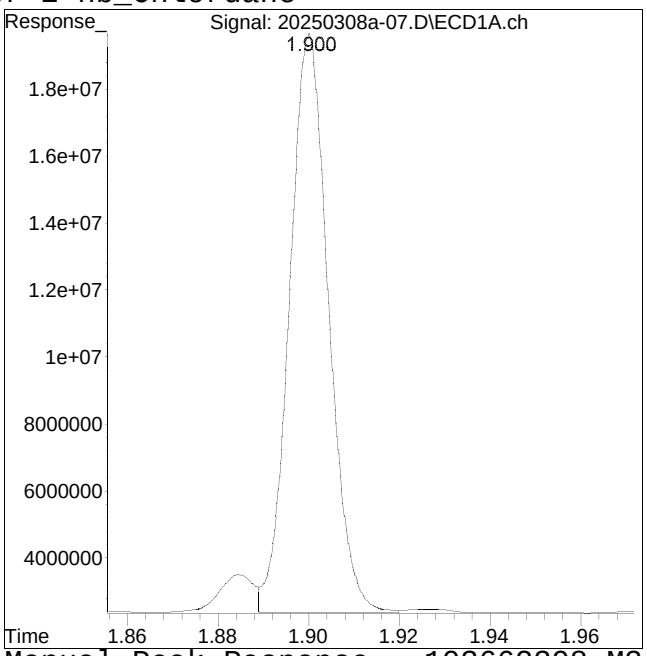


Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-07.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 12:22 Instrument : PEST 20
Sample : wg2038287-2,42,,chlor ccv Quant Date : 3/9/2025 12:35 pm

Compound #28: 1-br-2-nb_Chlordane



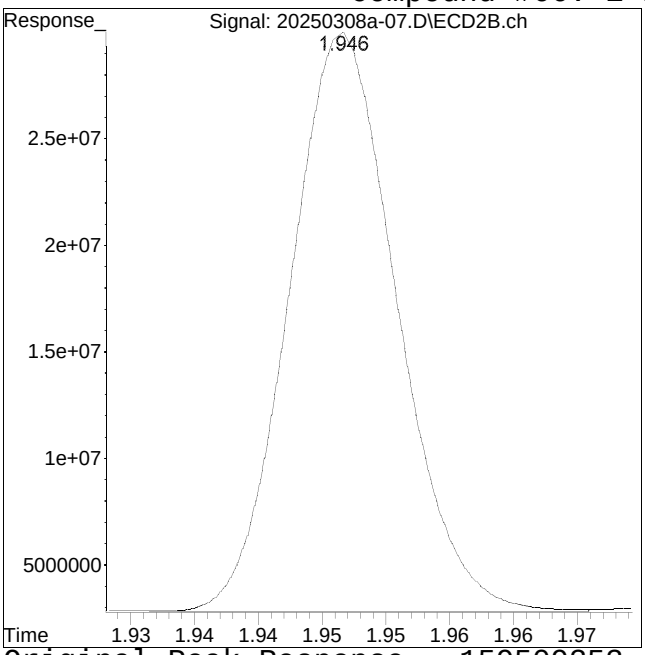


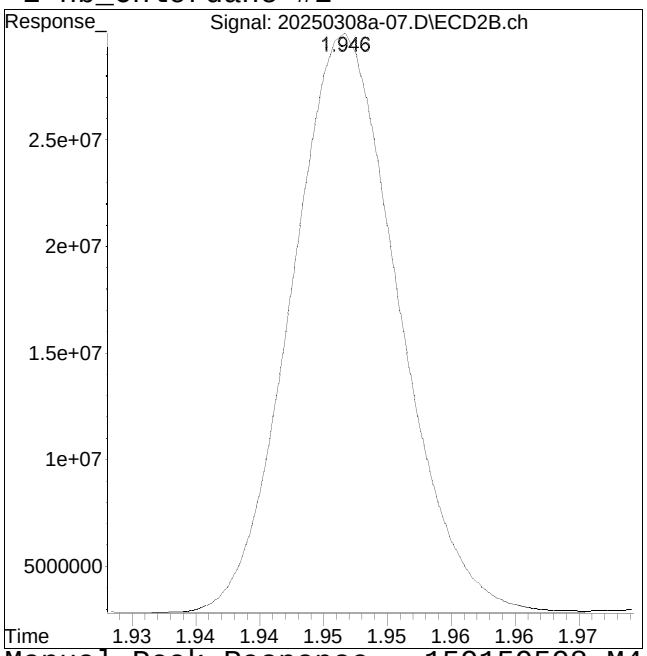
Original Peak Response = 112707897 Manual Peak Response = 103662398 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-07.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 12:22 Instrument : PEST 20
Sample : wg2038287-2,42,,chlor ccv Quant Date : 3/9/2025 12:35 pm

Compound #66: 1-br-2-nb_Chlordane #2



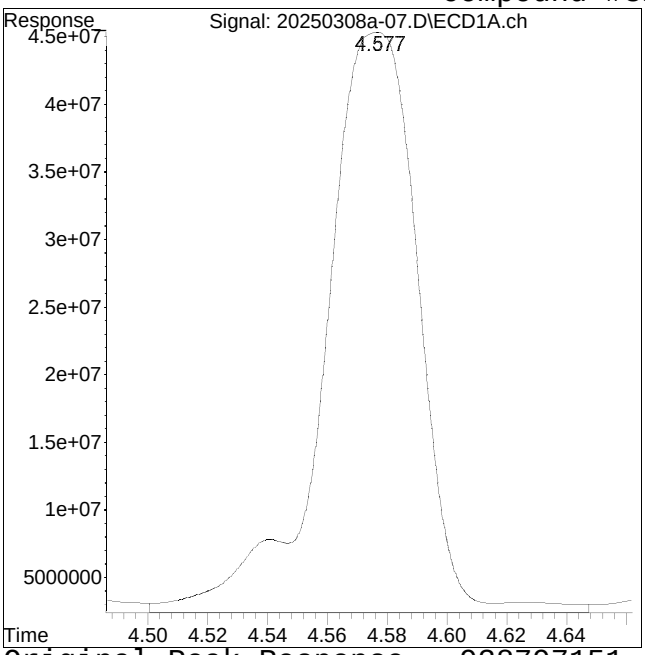


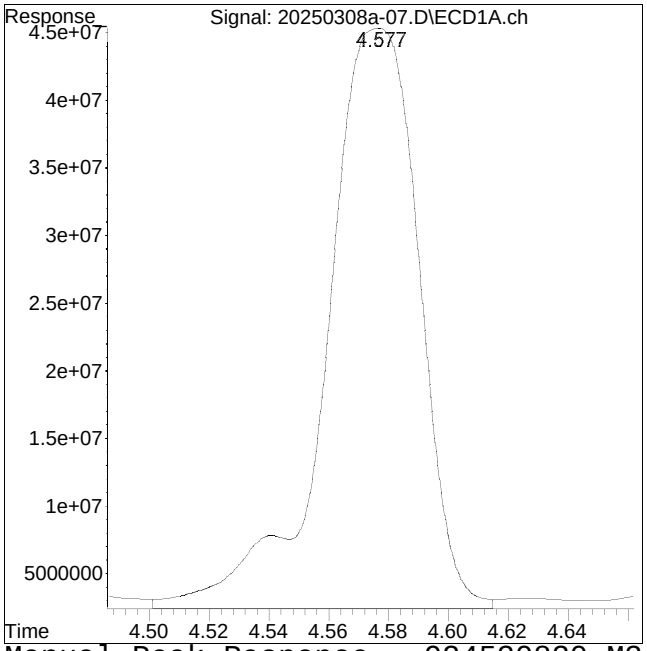
Original Peak Response = 159509353 Manual Peak Response = 159159598 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-07.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 12:22 Instrument : PEST 20
Sample : wg2038287-2,42,,chlor ccv Quant Date : 3/9/2025 12:35 pm

Compound #32: chlordane-5





Original Peak Response = 938797151 Manual Peak Response = 924530830 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2025\250310A\
Data File : 10250310a-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 10 Mar 2025   6:00
Operator : PEST10:akm
Sample   : wg2038433-1,42,,pest11934 (Sig #1); pest11934 (Sig #2)
Misc   : wg2038433,,ical21782
ALS Vial : 3 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 06:27:48 2025
Quant Method : I:\PEST\Pest10\2025\250310A\pest10_2024_12_12_ugL_ical21782.m
Quant Title : pest
QLast Update : Mon Mar 10 06:27:43 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	101	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.885	1.424	24.5#	81	0.00
3	t	Hexachlorobenzene		1.913	1.521	20.5#	84	0.00
4	t	alpha-BHC		1.862	1.771	4.9	98	0.00
5	t	gamma-BHC (lindane)		1.826	1.540	15.7	98	0.00
6	t	beta-BHC	*	50.000	54.247	-8.5	99	0.00
7	t	delta-BHC		1.752	1.620	7.5	98	0.00
8	t	Heptachlor		1.573	1.295	17.7	92	0.00
9	t	Aldrin		1.839	1.646	10.5	94	0.00
10	t	Alachlor		0.232	0.204	12.1	90	0.00
11	t	Chlorpyrifos		0.768	0.620	19.3	92	0.00
12	t	Heptachlor Epoxide		1.680	1.431	14.8	95	0.00
13	t	gamma-Chlordane (trans)		1.573	1.517	3.6	105	0.00
14	t	alpha-Chlordane (cis)	*	50.000	50.301	-0.6	90	0.00
15	t	4,4'-DDE		1.911	1.569	17.9	86	0.00
16	t	Endosulfan I		1.681	1.384	17.7	92	0.00
17	t	Dieldrin		1.705	1.566	8.2	98	0.00
18	t	Endrin		1.592	1.394	12.4	94	0.00
19	t	4,4'-DDD		1.191	1.105	7.2	100	0.00
20	t	Endosulfan II		1.465	1.302	11.1	94	0.00
21	t	4,4'-DDT		1.130	0.948	16.1	87	0.00
22	t	Endrin Aldehyde		1.264	0.969	23.3#	82	0.00
23	t	Methoxychlor	*	50.000	45.437	9.1	86	0.00
24	t	Mirex	*	50.000	49.382	1.2	92	0.00
25	t	Endosulfan Sulfate		1.465	1.212	17.3	94	0.00
26	t	Endrin Ketone		1.441	1.339	7.1	102	0.00
27	s	Decachlorobiphenyl	*	50.000	45.440	9.1	84	0.00

Signal #2

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2025\250310A\
Data File : 10250310a-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 10 Mar 2025   6:00
Operator : PEST10:akm
Sample   : wg2038433-1,42,,pest11934 (Sig #1); pest11934 (Sig #2)
Misc   : wg2038433,,ical21782
ALS Vial : 3 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 06:27:48 2025
Quant Method : I:\PEST\Pest10\2025\250310A\pest10_2024_12_12_ugL_ical21782.m
Quant Title : pest
QLast Update : Mon Mar 10 06:27:43 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	113	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl		1.353	1.238	8.5	106	0.00
3	t	Hexachlorobenzene		1.474	1.347	8.6	107	0.00
4	t	alpha-BHC		1.765	1.744	1.2	107	0.00
5	t	gamma-BHC (lindane)		1.651	1.548	6.2	106	0.00
6	t	beta-BHC		0.753	0.686	8.9	109	0.00
7	t	delta-BHC		1.657	1.634	1.4	109	0.00
8	t	Heptachlor		1.607	1.415	11.9	101	0.00
9	t	Aldrin		1.709	1.591	6.9	103	0.00
10	t	Alachlor		0.223	0.212	4.9	110	0.00
11	t	Chlorpyrifos		0.831	0.684	17.7	102	0.00
12	t	Heptachlor Epoxide		1.611	1.438	10.7	103	0.00
13	t	gamma-Chlordane (trans)		1.492	1.504	-0.8	116	0.00
14	t	alpha-Chlordane (cis)		1.690	1.500	11.2	101	0.00
15	t	4,4'-DDE		1.690	1.514	10.4	98	0.00
16	t	Endosulfan I		1.548	1.372	11.4	101	0.00
17	t	Dieldrin		1.593	1.568	1.6	110	0.00
18	t	Endrin		1.571	1.449	7.8	102	0.00
19	t	4,4'-DDD		1.240	1.212	2.3	109	0.00
20	t	Endosulfan II		1.422	1.324	6.9	105	0.00
21	t	4,4'-DDT		1.339	1.119	16.4	94	0.00
22	t	Endrin Aldehyde		1.202	0.973	19.1	92	0.00
23	t	Methoxychlor		0.741	0.622	16.1	99	0.00
24	t	Mirex		1.292	1.087	15.9	102	0.00
25	t	Endosulfan Sulfate		1.360	1.227	9.8	107	0.00
26	t	Endrin Ketone		1.515	1.469	3.0	111	0.00
27	s	Decachlorobiphenyl	*	50.000	46.304	7.4	100	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2025\250310A\
Data File : 10250310a-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 10 Mar 2025   6:00
Operator : PEST10:akm
Sample   : wg2038433-1,42,,pest11934 (Sig #1); pest11934 (Sig #2)
Misc   : wg2038433,,ical21782
ALS Vial : 3 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 06:27:48 2025
Quant Method : I:\PEST\Pest10\2025\250310A\pest10_2024_12_12_ugL_ical21782.m
Quant Title : pest
QLast Update : Mon Mar 10 06:27:43 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.32#
29	l1	chlordane-1		*1000.000	0.000	100.0#	0	-2.47#
30	l1	chlordane-3		*1000.000	0.000	100.0#	0	-2.89#
31	l1	chlordane-4		*1000.000	0.000	100.0#	0	-3.45#
32	l1	chlordane-5		*1000.000	0.000	100.0#	0	-3.57#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.32#
34	l2	toxaphene-1		*2000.000	0.000	100.0#	0	-4.46#
35	l2	toxaphene-2		*2000.000	0.000	100.0#	0	-4.59#
36	l2	toxaphene-4		*2000.000	0.000	100.0#	0	-5.00#
37	l2	toxaphene-5		*2000.000	0.000	100.0#	0	-5.19#

Signal #2

28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.36#
29	l1	chlordane-1		*1000.000	0.000	100.0#	0	-2.77#
30	l1	chlordane-3		*1000.000	0.000	100.0#	0	-3.37#
31	l1	chlordane-4		*1000.000	0.000	100.0#	0	-4.05#
32	l1	chlordane-5		*1000.000	0.000	100.0#	0	-4.22#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.36#
34	l2	toxaphene-1		*2000.000	0.000	100.0#	0	-5.04#
35	l2	toxaphene-2		*2000.000	0.000	100.0#	0	-5.07#
36	l2	toxaphene-4		*2000.000	0.000	100.0#	0	-5.39#
37	l2	toxaphene-5		*2000.000	0.000	100.0#	0	-5.80#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\250310a\
Data File : 10250310a-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Mar 2025 6:00
Operator : PEST10:akm
Sample : wg2038433-1,42,,pest11934 (Sig #1); pest11934 (Sig #2)
Misc : wg2038433,,ical21782
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 06:27:48 2025
Quant Method : I:\PEST\Pest10\2025\250310A\pest10_2024_12_12_ugL_ical21782.m
Quant Title : pest
QLast Update : Mon Mar 10 06:27:43 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.317	1.355	80616496	84485285	25.000M3	25.000M3
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.664	1.824	229.5E6	209.2E6	37.763	45.770
	Spiked Amount 50.000	Range 30 - 150		Recovery =		75.53%	91.54%
27) s	Decachlorobi	6.315	6.891	210.4E6	213.0E6	45.440	46.304
	Spiked Amount 50.000	Range 30 - 150		Recovery =		90.88%	92.61%
	Target Compounds						
3) t	Hexachlorobe	1.878	2.140	245.2E6	227.6E6	39.738M4	45.703
4) t	alpha-BHC	1.978	2.233	285.5E6	294.6E6	47.552	49.384
5) t	gamma-BHC (l	2.182	2.515	248.4E6	261.7E6	42.168	46.889
6) t	beta-BHC	2.238	2.580	113.5E6	116.0E6	54.247	45.587
7) t	delta-BHC	2.368	2.844	261.1E6	276.1E6	46.211	49.317
8) t	Heptachlor	2.531	2.907	208.7E6	239.0E6	41.151M3	44.013
9) t	Aldrin	2.776	3.223	265.4E6	268.9E6	44.764	46.560
10) t	Alachlor	2.895	3.107	32851792	35885274	43.945	47.569
11) t	Chlorpyrifos	2.988	3.458	99914750	115.6E6	40.353	41.180
12) t	Heptachlor E	3.323	3.833	230.8E6	242.9E6	42.591	44.631
13) t	gamma-Chlord	3.449	4.052	244.6E6	254.2E6	48.211	50.406
14) t	alpha-Chlord	3.583	4.224	246.8E6	253.4E6	50.301	44.380
15) t	4,4'-DDE	3.682	4.426	253.0E6	255.8E6	41.062	44.788
16) t	Endosulfan I	3.720	4.286	223.2E6	231.8E6	41.173	44.315
17) t	Dieldrin	3.981	4.582	252.4E6	265.0E6	45.911	49.227
18) t	Endrin	4.235	4.883	224.8E6	244.8E6	43.791	46.120M3
19) t	4,4'-DDD	4.345	5.009	178.2E6	204.8E6	46.387	48.892

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\250310a\
Data File : 10250310a-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Mar 2025 6:00
Operator : PEST10:akm
Sample : wg2038433-1,42,,pest11934 (Sig #1); pest11934 (Sig #2)
Misc : wg2038433,,ical21782
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 06:27:48 2025
Quant Method : I:\PEST\Pest10\2025\250310A\pest10_2024_12_12_ugL_ical21782.m
Quant Title : pest
QLast Update : Mon Mar 10 06:27:43 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
20) t	Endosulfan I	4.475	5.084	210.0E6	223.8E6	44.444	46.566
21) t	4,4'-DDT	4.638	5.289	152.8E6	189.1E6	41.946	41.791
22) t	Endrin Aldeh	4.890	5.384	156.2E6	164.4E6	38.324M3	40.475
23) t	Methoxychlor	5.127	5.859	77844496	105.1E6	45.437	41.948
24) t	Mirex	5.184	5.991	168.1E6	183.6E6	49.382	42.036
25) t	Endosulfan S	5.283	5.615	195.4E6	207.4E6	41.383	45.107
26) t	Endrin Keton	5.510	6.028	215.9E6	248.1E6	46.472	48.456M4
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

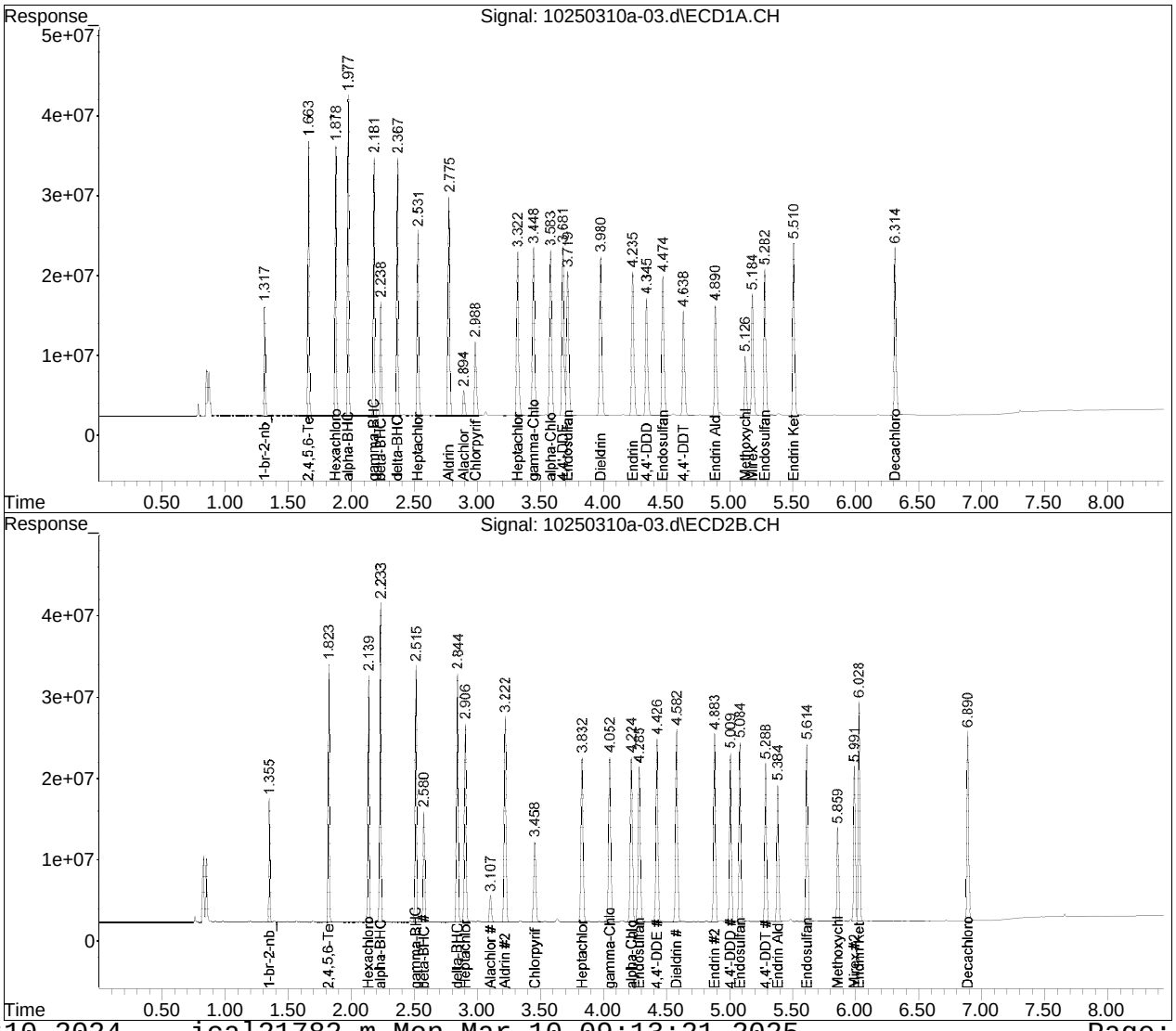
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2025\250310a\
Data File : 10250310a-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Mar 2025 6:00
Operator : PEST10:akm
Sample : wg2038433-1,42,,pest11934 (Sig #1); pest11934 (Sig #2)
Misc : wg2038433,,ical21782
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 06:27:48 2025
Quant Method : I:\PEST\Pest10\2025\250310A\pest10_2024_12_12_ugL_ical21782.m
Quant Title : pest
QLast Update : Mon Mar 10 06:27:43 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

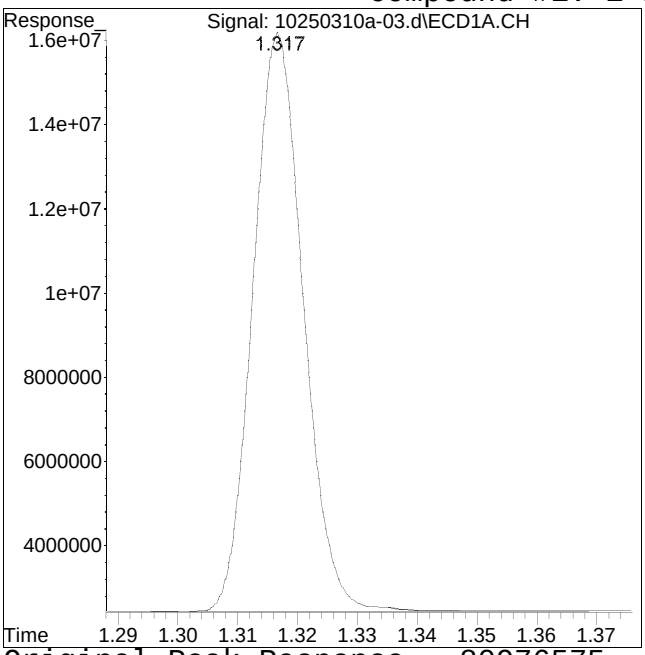
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

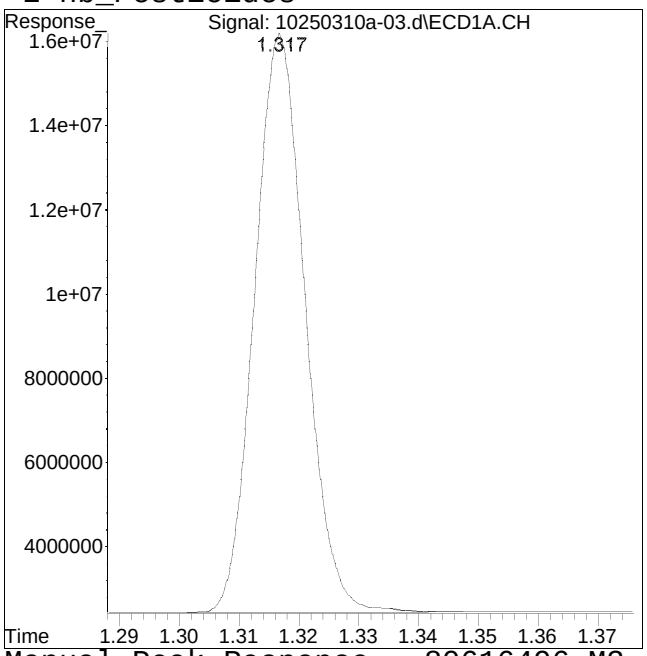


Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310Q
Data File : 10250310a-03.d
Date Inj'd : 3/10/2025 6:00
Sample : wg2038433-1,42,,pest11934
Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 3/10/2025 6:27 am

Compound #1: 1-br-2-nb_Pesticides





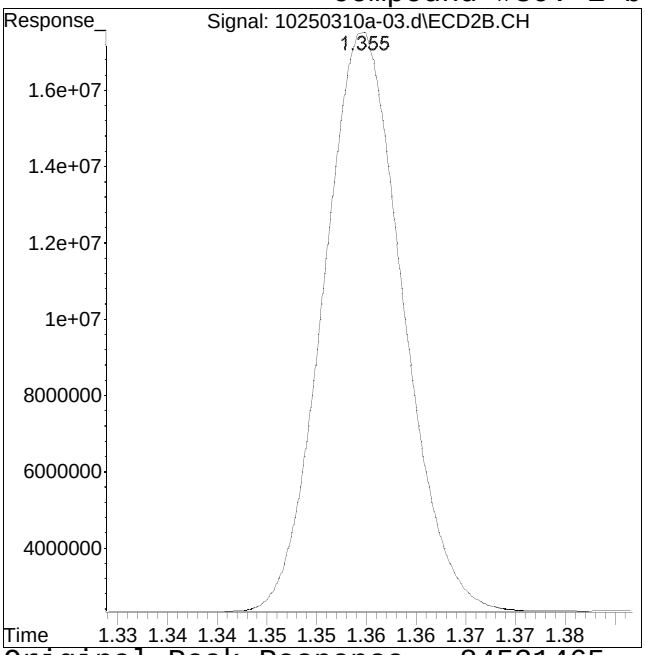
Original Peak Response = 80976575 Manual Peak Response = 80616496 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

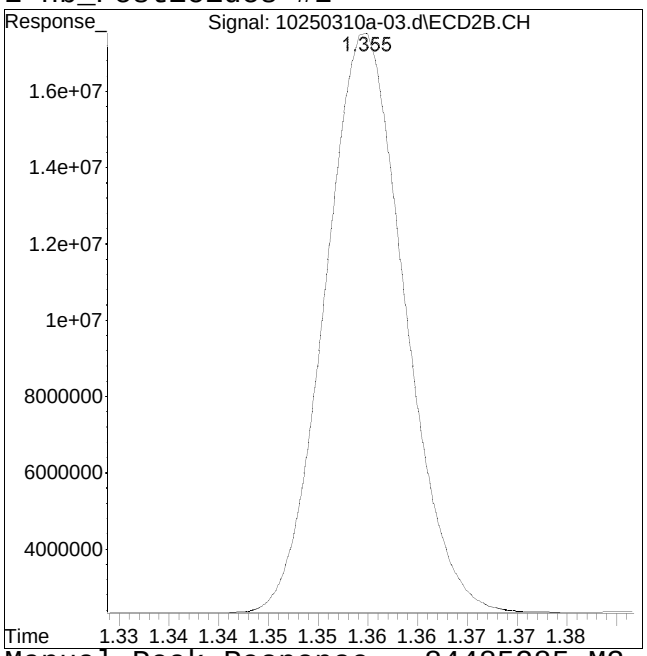
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310Q
Data File : 10250310a-03.d
Date Inj'd : 3/10/2025 6:00
Sample : wg2038433-1,42,,pest11934
Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 3/10/2025 6:27 am

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 84531465



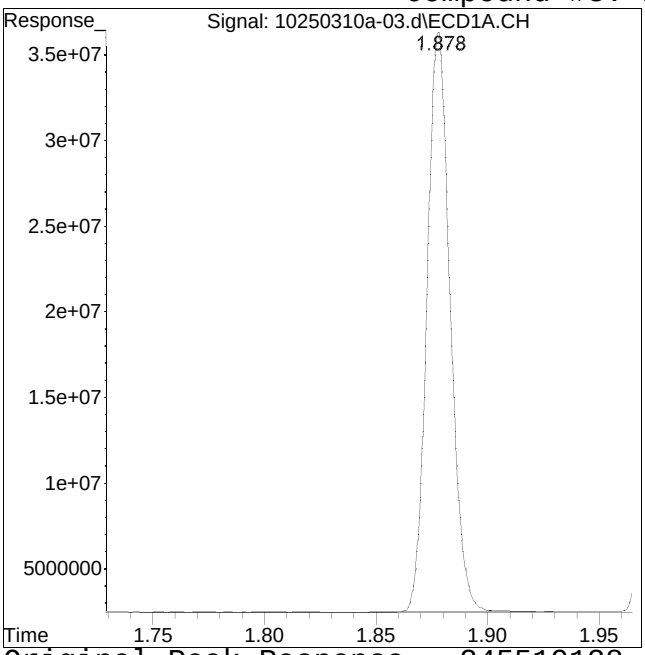
Manual Peak Response = 84485285 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

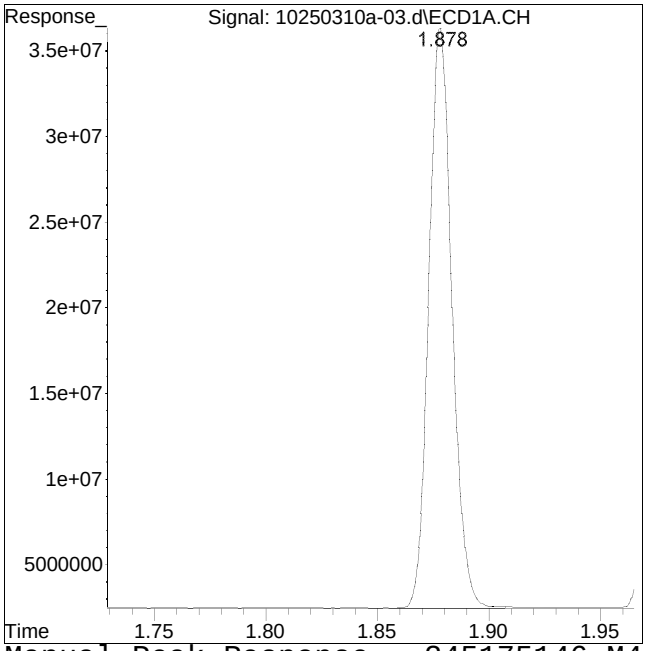
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310QMethod : pest10_2024_12_12_ugL_ic
Data File : 10250310a-03.d Operator : PEST10:akm
Date Inj'd : 3/10/2025 6:00 Instrument : Pest 10
Sample : wg2038433-1,42,,pest11934 Quant Date : 3/10/2025 6:27 am

Compound #3: Hexachlorobenzene



Original Peak Response = 245519128

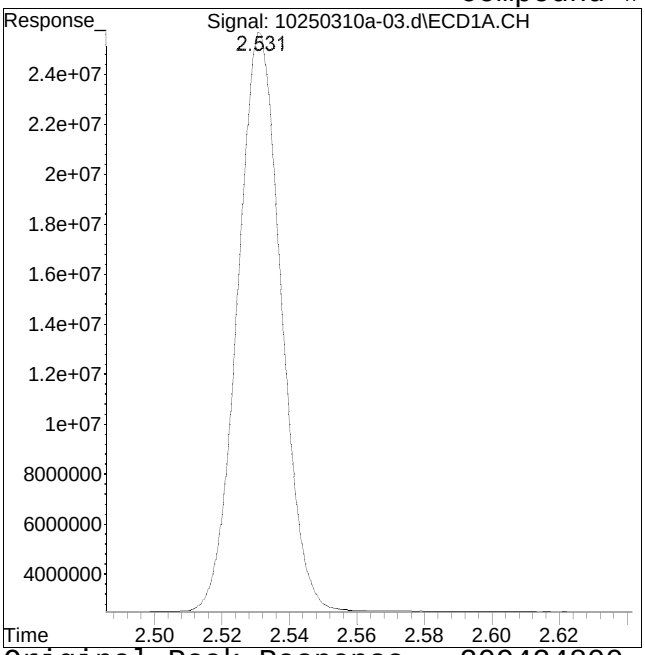


Manual Peak Response = 245175146 M4
M4 = Poor automated baseline construction.

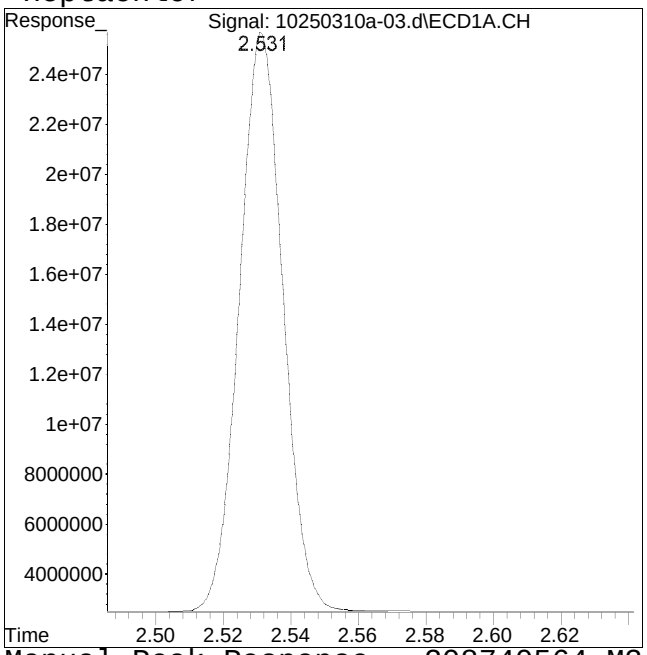
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310Q Method : pest10_2024_12_12_ugL_ic
Data File : 10250310a-03.d Operator : PEST10:akm
Date Inj'd : 3/10/2025 6:00 Instrument : Pest 10
Sample : wg2038433-1,42,,pest11934 Quant Date : 3/10/2025 6:27 am

Compound #8: Heptachlor



Original Peak Response = 209424800



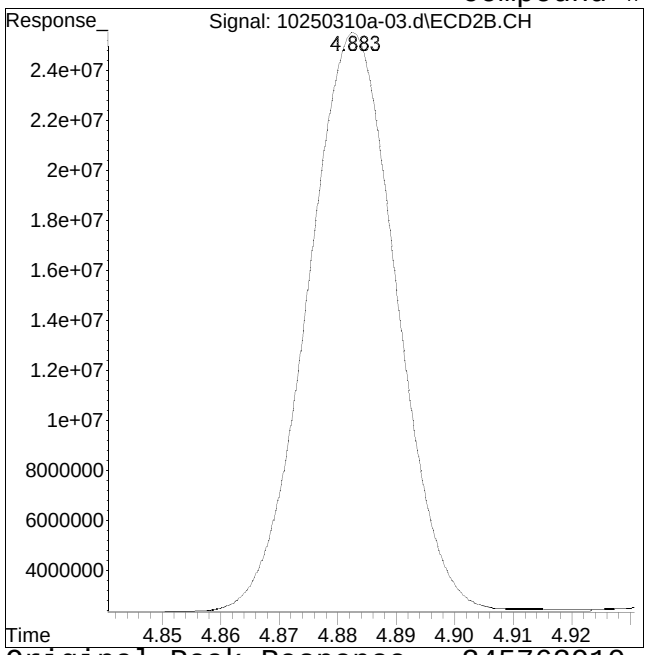
Manual Peak Response = 208740564 M3

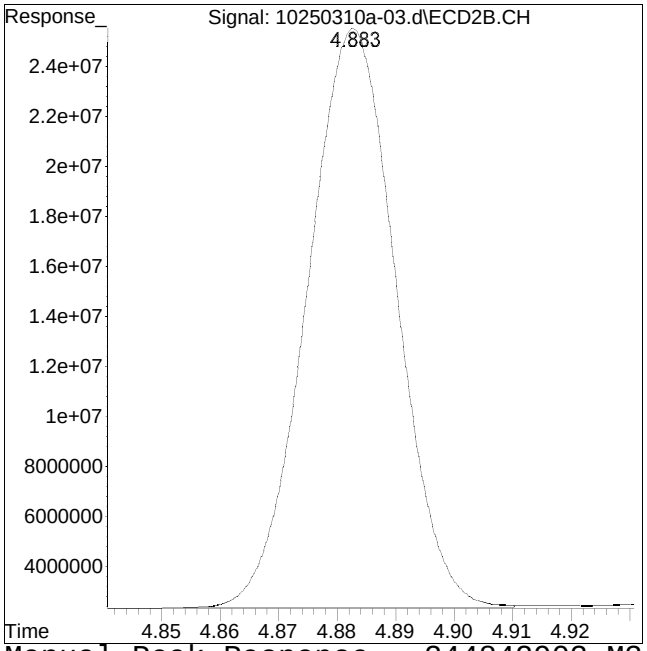
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310Q
Data File : 10250310a-03.d
Date Inj'd : 3/10/2025 6:00
Sample : wg2038433-1,42,,pest11934
Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 3/10/2025 6:27 am

Compound #56: Endrin #2





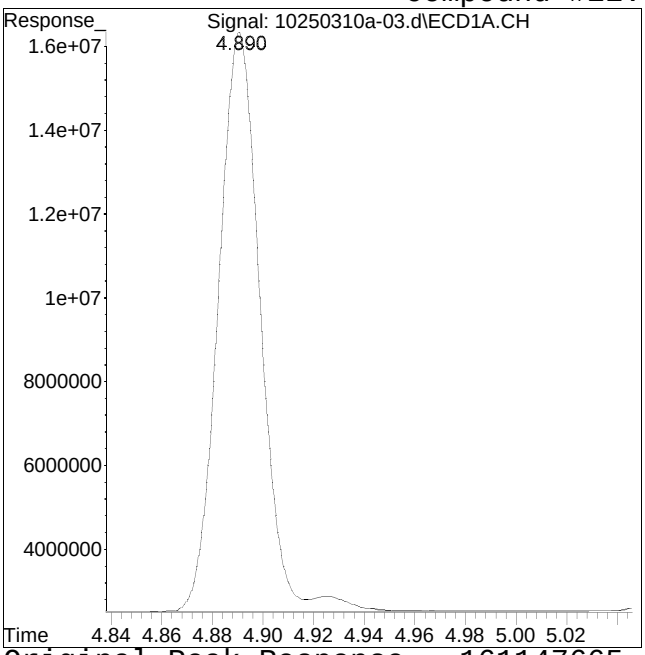
Original Peak Response = 245763910 Manual Peak Response = 244842903 M3

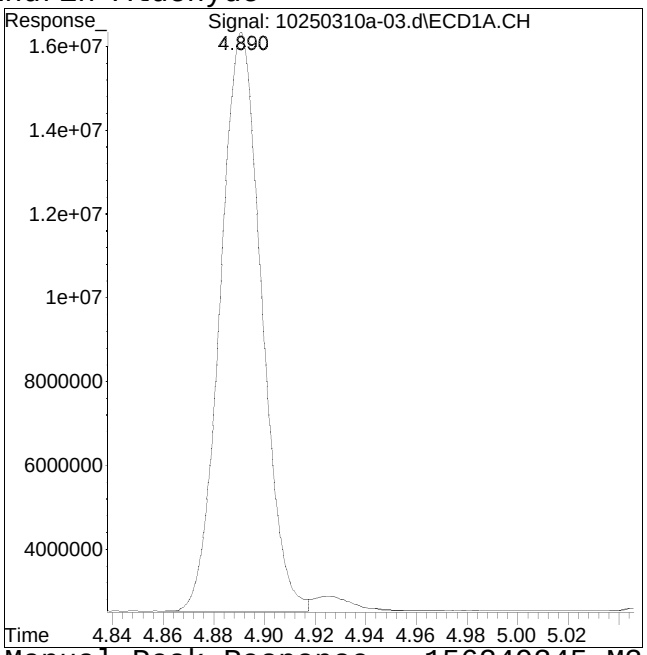
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310QMethod : pest10_2024_12_12_ugL_ic
Data File : 10250310a-03.d Operator : PEST10:akm
Date Inj'd : 3/10/2025 6:00 Instrument : Pest 10
Sample : wg2038433-1,42,,pest11934 Quant Date : 3/10/2025 6:27 am

Compound #22: Endrin Aldehyde



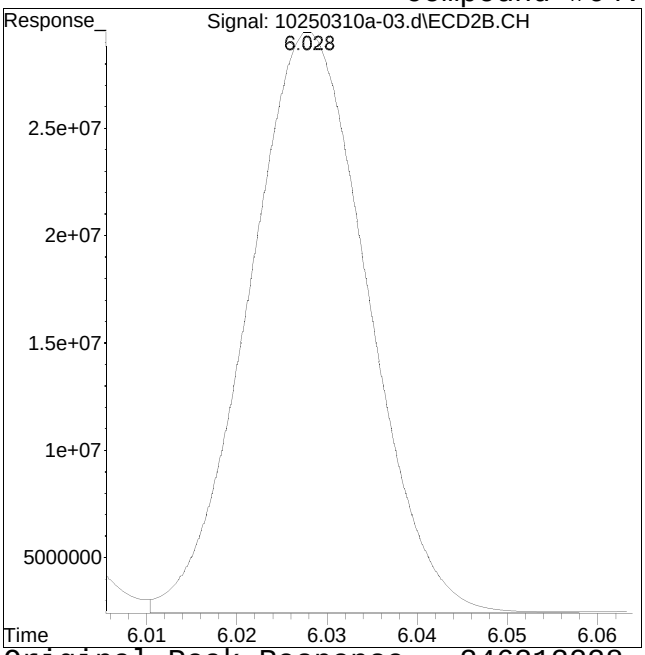


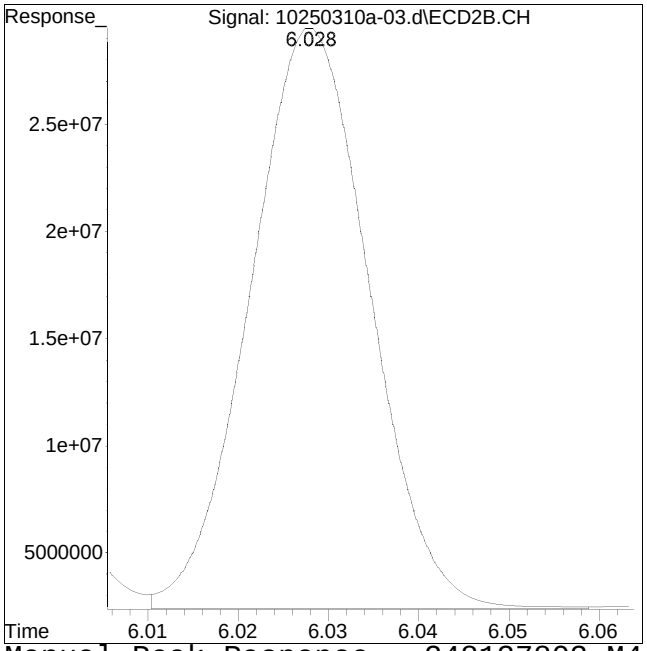
Original Peak Response = 161147665 Manual Peak Response = 156249345 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310QMethod : pest10_2024_12_12_ugL_ic
Data File : 10250310a-03.d Operator : PEST10:akm
Date Inj'd : 3/10/2025 6:00 Instrument : Pest 10
Sample : wg2038433-1,42,,pest11934 Quant Date : 3/10/2025 6:27 am

Compound #64: Endrin Ketone #2





Original Peak Response = 246212228 Manual Peak Response = 248137803 M4
M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2025\250310A\
Data File : 10250310a-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 10 Mar 2025   6:22
Operator : PEST10:akm
Sample   : wg2038433-3,42,,tox11899 (Sig #1); tox11899 (Sig #2)
Misc   : wg2038433,,ical21782
ALS Vial : 5 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 07:05:16 2025
Quant Method : I:\PEST\Pest10\2025\250310A\pest10_2024_12_12_ugL_ical21782.m
Quant Title : pest
QLast Update : Mon Mar 10 07:05:09 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	91	0.00
34	l2	toxaphene-1		*2000.000	2153.039	-7.7	91	0.00
35	l2	toxaphene-2		*2000.000	1968.946	1.6	83	0.00
36	l2	toxaphene-4		*2000.000	1980.969	1.0	84	0.00
37	l2	toxaphene-5		*2000.000	2002.159	-0.1	84	0.00

Signal #2

33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	99	0.00
34	l2	toxaphene-1		*2000.000	1953.434	2.3	95	0.00
35	l2	toxaphene-2		*2000.000	2004.710	-0.2	96	0.00
36	l2	toxaphene-4		*2000.000	1839.144	8.0	88	0.00
37	l2	toxaphene-5		*2000.000	1919.404	4.0	92	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.32#
2	s	2,4,5,6-Tetrachloro-m-xylen		1.885	0.000	100.0#	0#	-1.66#
3	t	Hexachlorobenzene		1.913	0.000	100.0#	0#	-1.88#
4	t	alpha-BHC		1.862	0.000	100.0#	0#	-1.98#
5	t	gamma-BHC (lindane)		1.826	0.000	100.0#	0#	-2.18#
6	t	beta-BHC		* 50.000	0.000	100.0#	0	-2.24#
7	t	delta-BHC		1.752	0.000	100.0#	0#	-2.37#
8	t	Heptachlor		1.573	0.000	100.0#	0#	-2.53#
9	t	Aldrin		1.839	0.000	100.0#	0#	-2.78#
10	t	Alachlor		0.232	0.000	100.0#	0#	-2.89#
11	t	Chlorpyrifos		0.768	0.000	100.0#	0#	-2.99#
12	t	Heptachlor Epoxide		1.680	0.000	100.0#	0#	-3.32#
13	t	gamma-Chlordane (trans)		1.573	0.000	100.0#	0#	-3.45#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2025\250310A\
Data File : 10250310a-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 10 Mar 2025   6:22
Operator : PEST10:akm
Sample   : wg2038433-3,42,,tox11899 (Sig #1); tox11899 (Sig #2)
Misc   : wg2038433,,ical21782
ALS Vial : 5 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 07:05:16 2025
Quant Method : I:\PEST\Pest10\2025\250310A\pest10_2024_12_12_ugL_ical21782.m
Quant Title : pest
QLast Update : Mon Mar 10 07:05:09 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
14	t	alpha-Chlordane (cis)	*	50.000	0.000	100.0#	0	-3.58#
15	t	4,4'-DDE		1.911	0.000	100.0#	0#	-3.68#
16	t	Endosulfan I		1.681	0.000	100.0#	0#	-3.72#
17	t	Dieldrin		1.705	0.000	100.0#	0#	-3.98#
18	t	Endrin		1.592	0.000	100.0#	0#	-4.24#
19	t	4,4'-DDD		1.191	0.000	100.0#	0#	-4.35#
20	t	Endosulfan II		1.465	0.000	100.0#	0#	-4.47#
21	t	4,4'-DDT		1.130	0.000	100.0#	0#	-4.64#
22	t	Endrin Aldehyde		1.264	0.000	100.0#	0#	-4.89#
23	t	Methoxychlor	*	50.000	0.000	100.0#	0	-5.13#
24	t	Mirex	*	50.000	0.000	100.0#	0	-5.18#
25	t	Endosulfan Sulfate		1.465	0.000	100.0#	0#	-5.28#
26	t	Endrin Ketone		1.441	0.000	100.0#	0#	-5.51#
27	s	Decachlorobiphenyl	*	50.000	0.000	100.0#	0	-6.31#
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.32#
29	l1	chlordane-1	*	1000.000	0.000	100.0#	0	-2.47#
30	l1	chlordane-3	*	1000.000	0.000	100.0#	0	-2.89#
31	l1	chlordane-4	*	1000.000	0.000	100.0#	0	-3.45#
32	l1	chlordane-5	*	1000.000	0.000	100.0#	0	-3.57#

Signal #2

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.35#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.353	0.000	100.0#	0#	-1.82#
3	t	Hexachlorobenzene		1.474	0.000	100.0#	0#	-2.14#
4	t	alpha-BHC		1.765	0.000	100.0#	0#	-2.23#
5	t	gamma-BHC (lindane)		1.651	0.000	100.0#	0#	-2.52#
6	t	beta-BHC		0.753	0.000	100.0#	0#	-2.58#
7	t	delta-BHC		1.657	0.000	100.0#	0#	-2.84#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2025\250310A\
Data File : 10250310a-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 10 Mar 2025   6:22
Operator : PEST10:akm
Sample   : wg2038433-3,42,,tox11899 (Sig #1); tox11899 (Sig #2)
Misc   : wg2038433,,ical21782
ALS Vial : 5 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 07:05:16 2025
Quant Method : I:\PEST\Pest10\2025\250310A\pest10_2024_12_12_ugL_ical21782.m
Quant Title : pest
QLast Update : Mon Mar 10 07:05:09 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
8	t	Heptachlor	1.607	0.000	100.0#	0#	-2.91#
9	t	Aldrin	1.709	0.000	100.0#	0#	-3.22#
10	t	Alachlor	0.223	0.000	100.0#	0#	-3.11#
11	t	Chlorpyrifos	0.831	0.000	100.0#	0#	-3.46#
12	t	Heptachlor Epoxide	1.611	0.000	100.0#	0#	-3.83#
13	t	gamma-Chlordane (trans)	1.492	0.000	100.0#	0#	-4.05#
14	t	alpha-Chlordane (cis)	1.690	0.000	100.0#	0#	-4.22#
15	t	4,4'-DDE	1.690	0.000	100.0#	0#	-4.43#
16	t	Endosulfan I	1.548	0.000	100.0#	0#	-4.29#
17	t	Dieldrin	1.593	0.000	100.0#	0#	-4.58#
18	t	Endrin	1.571	0.000	100.0#	0#	-4.88#
19	t	4,4'-DDD	1.240	0.000	100.0#	0#	-5.01#
20	t	Endosulfan II	1.422	0.000	100.0#	0#	-5.08#
21	t	4,4'-DDT	1.339	0.000	100.0#	0#	-5.29#
22	t	Endrin Aldehyde	1.202	0.000	100.0#	0#	-5.38#
23	t	Methoxychlor	0.741	0.000	100.0#	0#	-5.86#
24	t	Mirex	1.292	0.000	100.0#	0#	-5.99#
25	t	Endosulfan Sulfate	1.360	0.000	100.0#	0#	-5.61#
26	t	Endrin Ketone	1.515	0.000	100.0#	0#	-6.03#
27	s	Decachlorobiphenyl	* 50.000	0.000	100.0#	0	-6.89#
28	i	1-br-2-nb_Chlordane	^ 1.000	1.000	0.0	0	-1.36#
29	l1	chlordane-1	*1000.000	0.000	100.0#	0	-2.77#
30	l1	chlordane-3	*1000.000	0.000	100.0#	0	-3.37#
31	l1	chlordane-4	*1000.000	0.000	100.0#	0	-4.05#
32	l1	chlordane-5	*1000.000	0.000	100.0#	0	-4.22#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\250310a\
Data File : 10250310a-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Mar 2025 6:22
Operator : PEST10:akm
Sample : wg2038433-3,42,,tox11899 (Sig #1); tox11899 (Sig #2)
Misc : wg2038433,,ical21782
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 07:05:16 2025
Quant Method : I:\PEST\Pest10\2025\250310A\pest10_2024_12_12_ugL_ical21782.m
Quant Title : pest
QLast Update : Mon Mar 10 07:05:09 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.316	1.355	76253910	76061839	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest10\2025\250310a\
Data File : 10250310a-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Mar 2025 6:22
Operator : PEST10:akm
Sample : wg2038433-3,42,,tox11899 (Sig #1); tox11899 (Sig #2)
Misc : wg2038433,,ical21782
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 07:05:16 2025
Quant Method : I:\PEST\Pest10\2025\250310A\pest10_2024_12_12_ugL_ical21782.m
Quant Title : pest
QLast Update : Mon Mar 10 07:05:09 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	4.463	5.043	419.9E6	170.1E6	2153.039	1953.434
35) l2	toxaphene-2	4.587	5.071	293.9E6	258.0E6	1968.946	2004.710
36) l2	toxaphene-4	5.004	5.393	218.4E6	286.2E6	1980.969	1839.144
37) l2	toxaphene-5	5.188	5.803	251.8E6	272.2E6	2002.159	1919.404
Sum	toxaphene-1			1184.0E6	986.6E6	8105.113	7716.693
Average	toxaphene-1					2026.278	1929.173

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			1184.0E6	986.6E6	8105.113	7716.693
Average	toxaphene-1					2026.278	1929.173

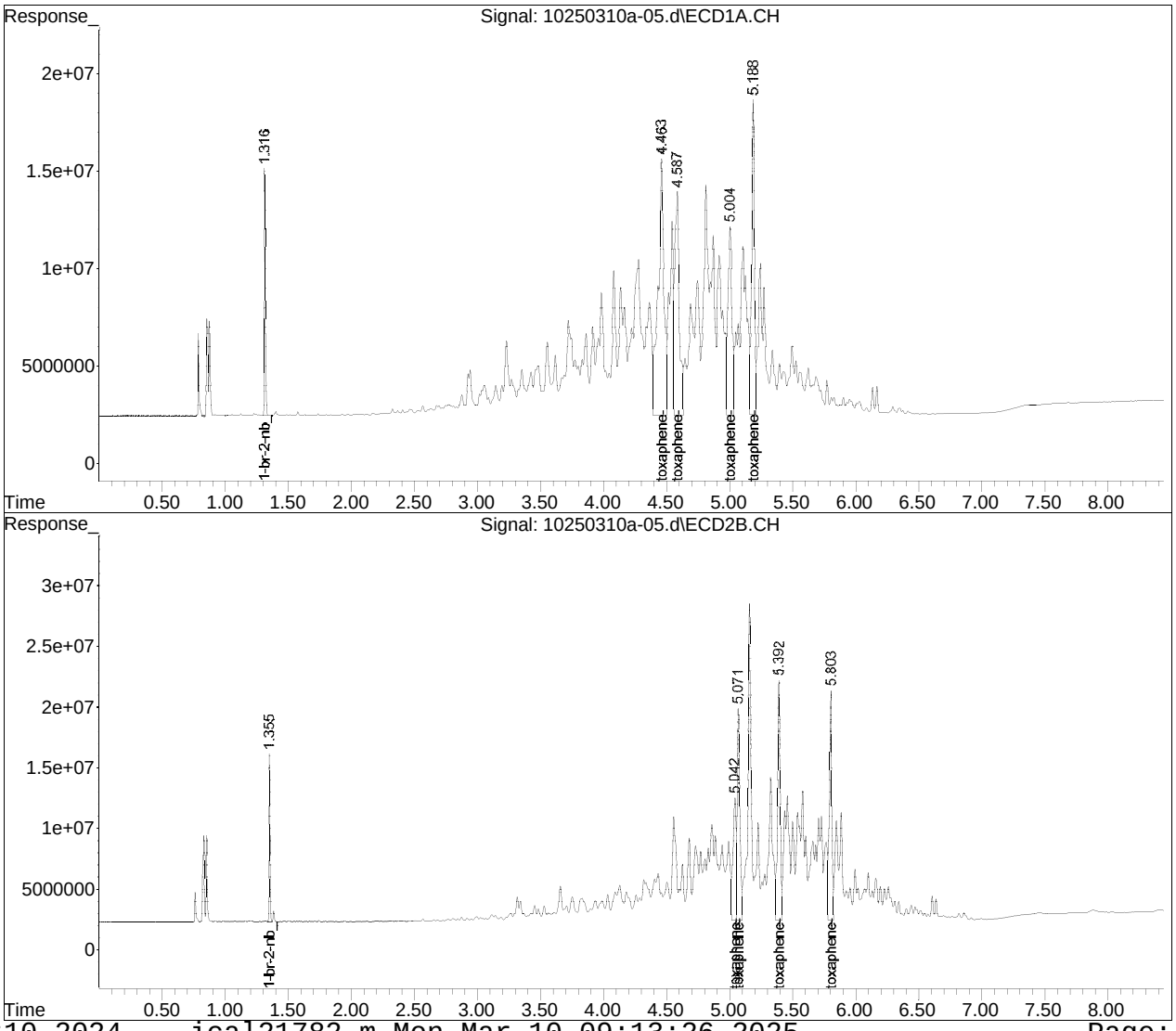
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2025\250310a\
Data File : 10250310a-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Mar 2025 6:22
Operator : PEST10:akm
Sample : wg2038433-3,42,,tox11899 (Sig #1); tox11899 (Sig #2)
Misc : wg2038433,,ical21782
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 07:05:16 2025
Quant Method : I:\PEST\Pest10\2025\250310A\pest10_2024_12_12_ugL_ical21782.m
Quant Title : pest
QLast Update : Mon Mar 10 07:05:09 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

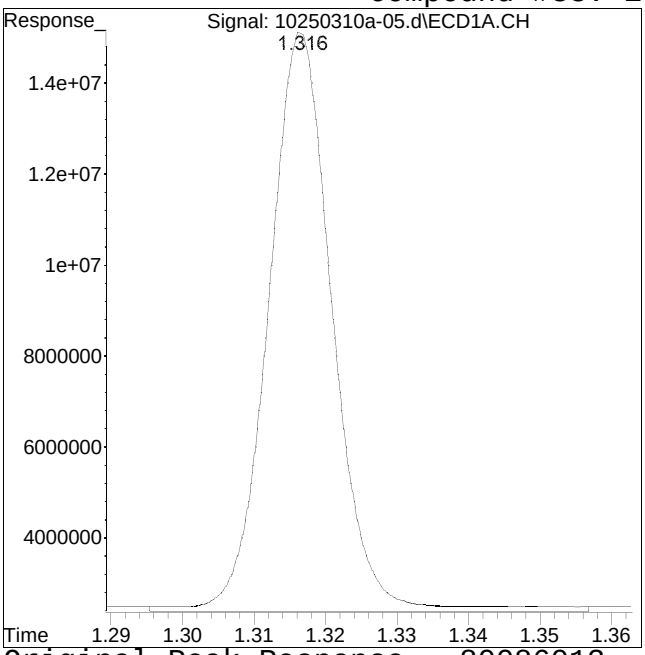
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



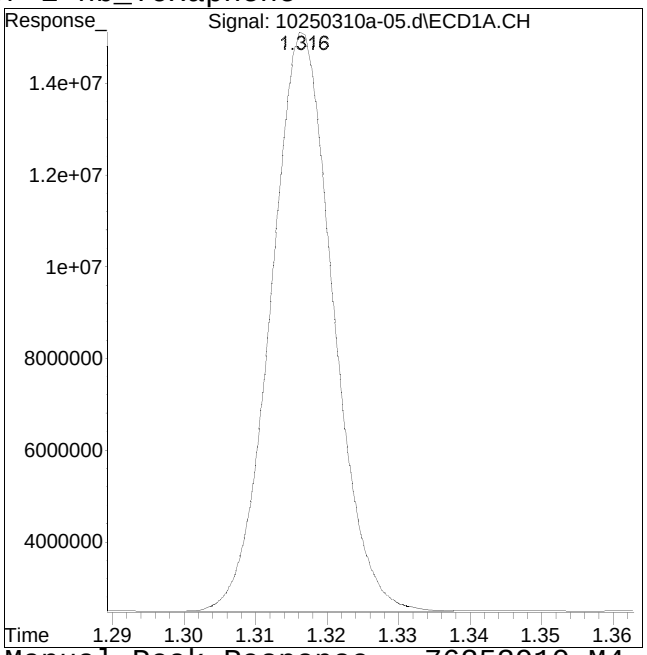
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310QMethod : pest10_2024_12_12_ugL_ic
Data File : 10250310a-05.d Operator : PEST10:akm
Date Inj'd : 3/10/2025 6:22 Instrument : Pest 10
Sample : wg2038433-3,42,,tox11899 Quant Date : 3/10/2025 7:05 am

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 80086013



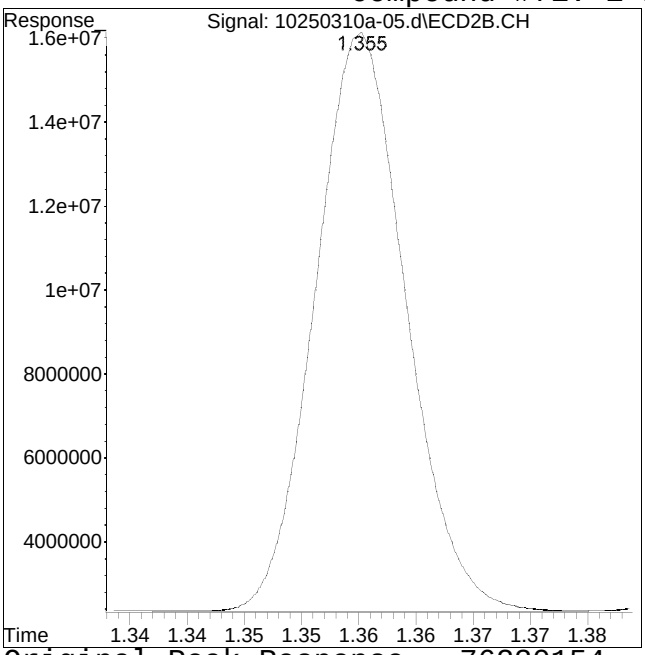
Manual Peak Response = 76253910 M4

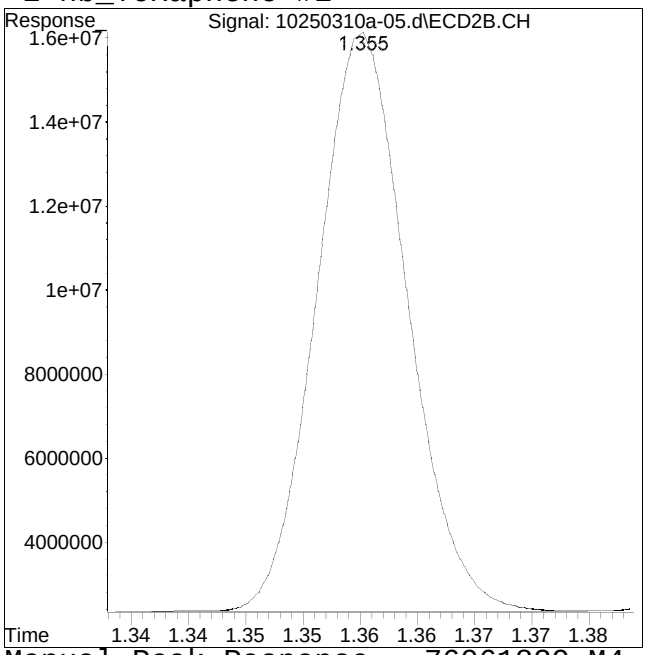
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310QMethod : pest10_2024_12_12_ugL_ic
Data File : 10250310a-05.d Operator : PEST10:akm
Date Inj'd : 3/10/2025 6:22 Instrument : Pest 10
Sample : wg2038433-3,42,,tox11899 Quant Date : 3/10/2025 7:05 am

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 76230154 Manual Peak Response = 76061839 M4
M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2025\250310A\
Data File : 10250310a-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 10 Mar 2025   6:52
Operator : PEST10:akm
Sample   : wg2038433-2,42,,chlor11967 (Sig #1); chlor11967 (Sig #2)
Misc   : wg2038433,,ical21782
ALS Vial : 7 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 07:03:51 2025
Quant Method : I:\PEST\Pest10\2025\250310A\pest10_2024_12_12_ugL_ical21782.m
Quant Title : pest
QLast Update : Mon Mar 10 07:03:45 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	97	0.00
29	l1	chlordane-1		*1000.000	1122.662	-12.3	107	0.00
30	l1	chlordane-3		*1000.000	1132.817	-13.3	107	0.00
31	l1	chlordane-4		*1000.000	1142.613	-14.3	106	0.00
32	l1	chlordane-5		*1000.000	1269.569	-27.0#	117	0.00

Signal #2

28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	112	0.00
29	l1	chlordane-1		*1000.000	1097.833	-9.8	119	0.00
30	l1	chlordane-3		*1000.000	1014.682	-1.5	108	0.00
31	l1	chlordane-4		*1000.000	1012.948	-1.3	108	0.00
32	l1	chlordane-5		*1000.000	977.831	2.2	105	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.32#
2	s	2,4,5,6-Tetrachloro-m-xylen		1.885	0.000	100.0#	0#	-1.66#
3	t	Hexachlorobenzene		1.913	0.000	100.0#	0#	-1.88#
4	t	alpha-BHC		1.862	0.000	100.0#	0#	-1.98#
5	t	gamma-BHC (lindane)		1.826	0.000	100.0#	0#	-2.18#
6	t	beta-BHC		* 50.000	0.000	100.0#	0	-2.24#
7	t	delta-BHC		1.752	0.000	100.0#	0#	-2.37#
8	t	Heptachlor		1.573	0.000	100.0#	0#	-2.53#
9	t	Aldrin		1.839	0.000	100.0#	0#	-2.78#
10	t	Alachlor		0.232	0.000	100.0#	0#	-2.89#
11	t	Chlorpyrifos		0.768	0.000	100.0#	0#	-2.99#
12	t	Heptachlor Epoxide		1.680	0.000	100.0#	0#	-3.32#
13	t	gamma-Chlordane (trans)		1.573	0.000	100.0#	0#	-3.45#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2025\250310A\
Data File : 10250310a-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 10 Mar 2025   6:52
Operator : PEST10:akm
Sample   : wg2038433-2,42,,chlor11967 (Sig #1); chlor11967 (Sig #2)
Misc   : wg2038433,,ical21782
ALS Vial : 7 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 07:03:51 2025
Quant Method : I:\PEST\Pest10\2025\250310A\pest10_2024_12_12_ugL_ical21782.m
Quant Title : pest
QLast Update : Mon Mar 10 07:03:45 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
14	t	alpha-Chlordane (cis)	*	50.000	0.000	100.0#	0	-3.58#
15	t	4,4'-DDE		1.911	0.000	100.0#	0#	-3.68#
16	t	Endosulfan I		1.681	0.000	100.0#	0#	-3.72#
17	t	Dieldrin		1.705	0.000	100.0#	0#	-3.98#
18	t	Endrin		1.592	0.000	100.0#	0#	-4.24#
19	t	4,4'-DDD		1.191	0.000	100.0#	0#	-4.35#
20	t	Endosulfan II		1.465	0.000	100.0#	0#	-4.47#
21	t	4,4'-DDT		1.130	0.000	100.0#	0#	-4.64#
22	t	Endrin Aldehyde		1.264	0.000	100.0#	0#	-4.89#
23	t	Methoxychlor	*	50.000	0.000	100.0#	0	-5.13#
24	t	Mirex	*	50.000	0.000	100.0#	0	-5.18#
25	t	Endosulfan Sulfate		1.465	0.000	100.0#	0#	-5.28#
26	t	Endrin Ketone		1.441	0.000	100.0#	0#	-5.51#
27	s	Decachlorobiphenyl	*	50.000	0.000	100.0#	0	-6.31#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.32#
34	l2	toxaphene-1	*	2000.000	0.000	100.0#	0	-4.46#
35	l2	toxaphene-2	*	2000.000	0.000	100.0#	0	-4.59#
36	l2	toxaphene-4	*	2000.000	0.000	100.0#	0	-5.00#
37	l2	toxaphene-5	*	2000.000	0.000	100.0#	0	-5.19#

Signal #2

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.35#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.353	0.000	100.0#	0#	-1.82#
3	t	Hexachlorobenzene		1.474	0.000	100.0#	0#	-2.14#
4	t	alpha-BHC		1.765	0.000	100.0#	0#	-2.23#
5	t	gamma-BHC (lindane)		1.651	0.000	100.0#	0#	-2.52#
6	t	beta-BHC		0.753	0.000	100.0#	0#	-2.58#
7	t	delta-BHC		1.657	0.000	100.0#	0#	-2.84#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest10\2025\250310A\
Data File : 10250310a-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 10 Mar 2025   6:52
Operator : PEST10:akm
Sample   : wg2038433-2,42,,chlor11967 (Sig #1); chlor11967 (Sig #2)
Misc   : wg2038433,,ical21782
ALS Vial : 7 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 07:03:51 2025
Quant Method : I:\PEST\Pest10\2025\250310A\pest10_2024_12_12_ugL_ical21782.m
Quant Title : pest
QLast Update : Mon Mar 10 07:03:45 2025
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
8	t	Heptachlor	1.607	0.000	100.0#	0#	-2.91#
9	t	Aldrin	1.709	0.000	100.0#	0#	-3.22#
10	t	Alachlor	0.223	0.000	100.0#	0#	-3.11#
11	t	Chlorpyrifos	0.831	0.000	100.0#	0#	-3.46#
12	t	Heptachlor Epoxide	1.611	0.000	100.0#	0#	-3.83#
13	t	gamma-Chlordane (trans)	1.492	0.000	100.0#	0#	-4.05#
14	t	alpha-Chlordane (cis)	1.690	0.000	100.0#	0#	-4.22#
15	t	4,4'-DDE	1.690	0.000	100.0#	0#	-4.43#
16	t	Endosulfan I	1.548	0.000	100.0#	0#	-4.29#
17	t	Dieldrin	1.593	0.000	100.0#	0#	-4.58#
18	t	Endrin	1.571	0.000	100.0#	0#	-4.88#
19	t	4,4'-DDD	1.240	0.000	100.0#	0#	-5.01#
20	t	Endosulfan II	1.422	0.000	100.0#	0#	-5.08#
21	t	4,4'-DDT	1.339	0.000	100.0#	0#	-5.29#
22	t	Endrin Aldehyde	1.202	0.000	100.0#	0#	-5.38#
23	t	Methoxychlor	0.741	0.000	100.0#	0#	-5.86#
24	t	Mirex	1.292	0.000	100.0#	0#	-5.99#
25	t	Endosulfan Sulfate	1.360	0.000	100.0#	0#	-5.61#
26	t	Endrin Ketone	1.515	0.000	100.0#	0#	-6.03#
27	s	Decachlorobiphenyl	* 50.000	0.000	100.0#	0	-6.89#
33	i	1-br-2-nb_Toxaphene	^ 1.000	1.000	0.0	0	-1.36#
34	l2	toxaphene-1	*2000.000	0.000	100.0#	0	-5.04#
35	l2	toxaphene-2	*2000.000	0.000	100.0#	0	-5.07#
36	l2	toxaphene-4	*2000.000	0.000	100.0#	0	-5.39#
37	l2	toxaphene-5	*2000.000	0.000	100.0#	0	-5.80#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\250310a\
Data File : 10250310a-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Mar 2025 6:52
Operator : PEST10:akm
Sample : wg2038433-2,42,,chlor11967 (Sig #1); chlor11967 (Sig #2)
Misc : wg2038433,,ical21782
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 07:03:51 2025
Quant Method : I:\PEST\Pest10\2025\250310A\pest10_2024_12_12_ugL_ical21782.m
Quant Title : pest
QLast Update : Mon Mar 10 07:03:45 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.318	1.356	81120900	89338122	25.000M3	25.000M4
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\250310a\
Data File : 10250310a-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Mar 2025 6:52
Operator : PEST10:akm
Sample : wg2038433-2,42,,chlor11967 (Sig #1); chlor11967 (Sig #2)
Misc : wg2038433,,ical21782
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 07:03:51 2025
Quant Method : I:\PEST\Pest10\2025\250310A\pest10_2024_12_12_ugL_ical21782.m
Quant Title : pest
QLast Update : Mon Mar 10 07:03:45 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.468	2.774	195.0E6	182.8E6	1122.662	1097.833
30) l1	chlordane-3	2.888	3.374	213.8E6	195.0E6	1132.817	1014.682
31) l1	chlordane-4	3.449	4.052	755.7E6	710.4E6	1142.613	1012.948
32) l1	chlordane-5	3.574	4.225	1262.8E6	546.3E6	1269.569	977.831
Sum	chlordane-1			2427.3E6	1634.5E6	N.D.	N.D. D
Average	chlordane-1					1166.915	1025.824
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

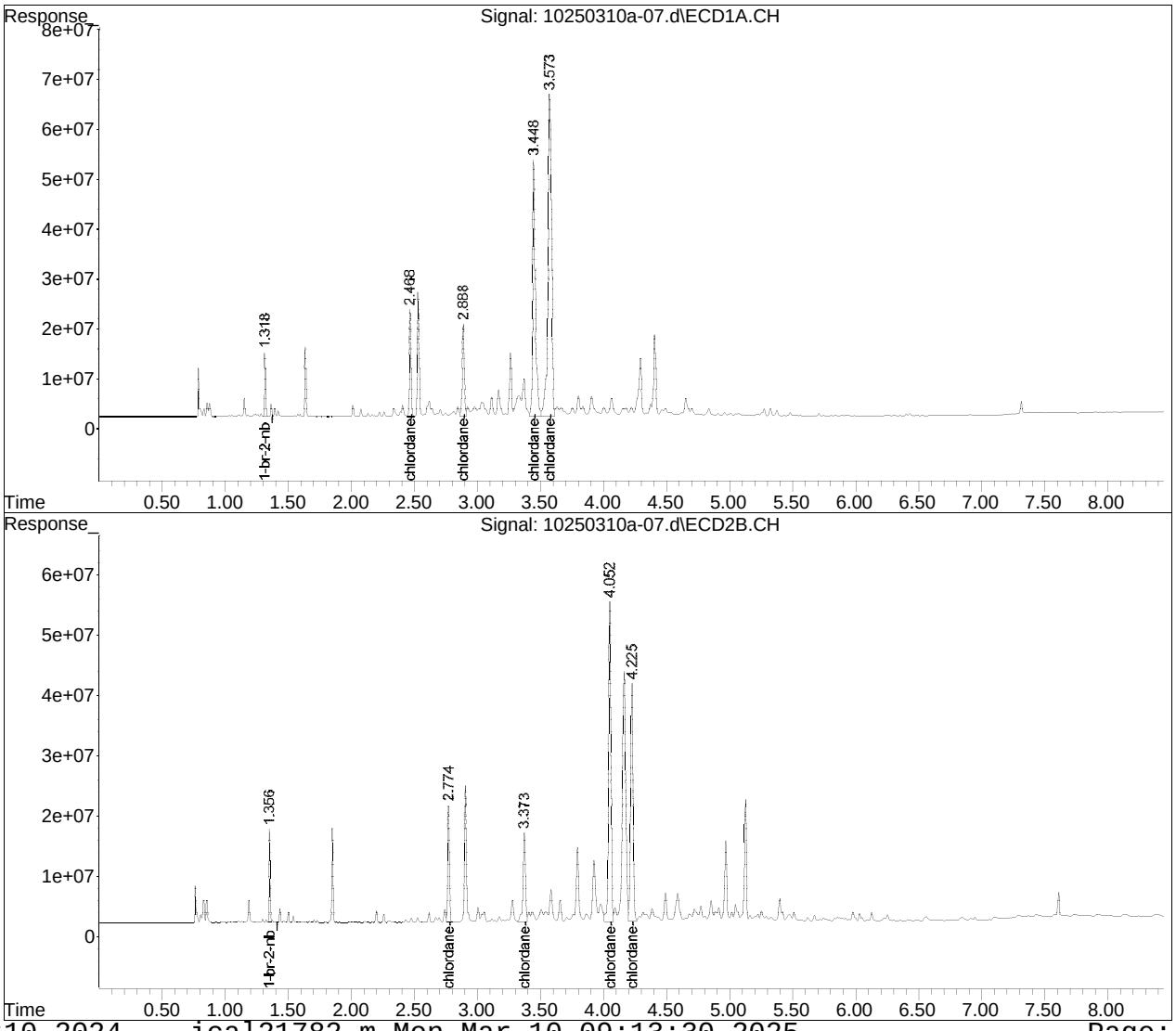
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest10\2025\250310a\
Data File : 10250310a-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Mar 2025 6:52
Operator : PEST10:akm
Sample : wg2038433-2,42,,chlor11967 (Sig #1); chlor11967 (Sig #2)
Misc : wg2038433,,ical21782
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 07:03:51 2025
Quant Method : I:\PEST\Pest10\2025\250310A\pest10_2024_12_12_ugL_ical21782.m
Quant Title : pest
QLast Update : Mon Mar 10 07:03:45 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

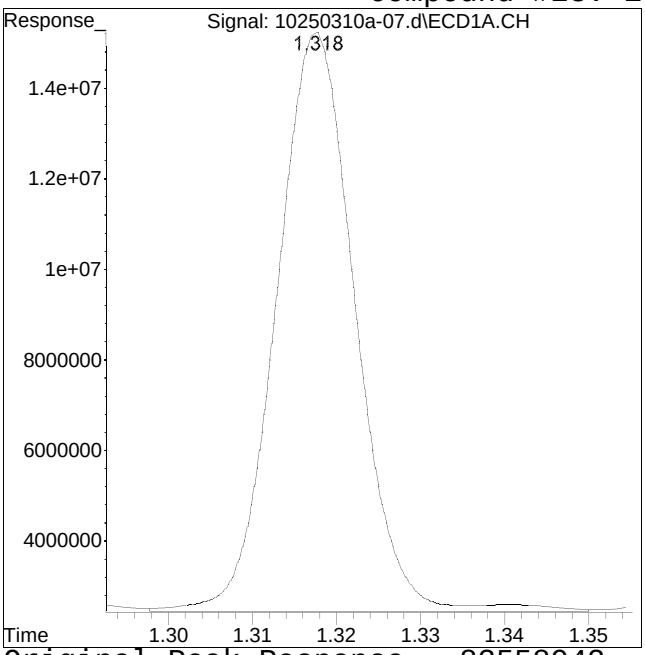
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

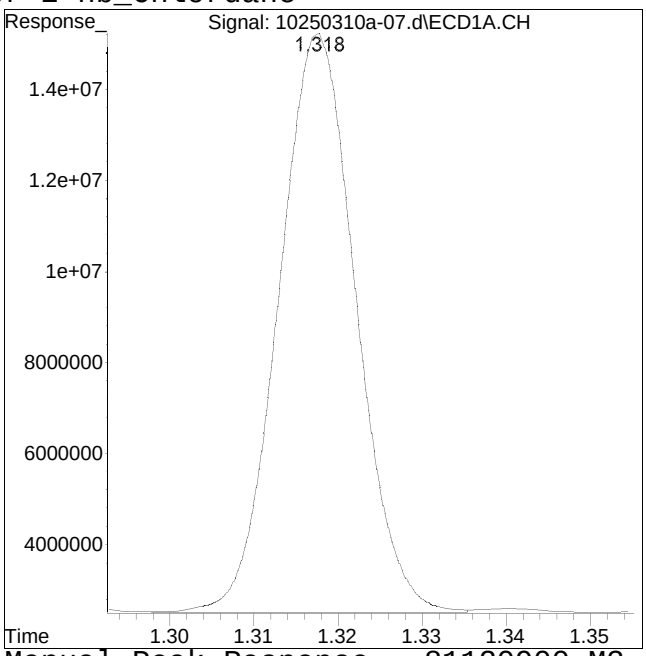


Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310Q
Data File : 10250310a-07.d
Date Inj'd : 3/10/2025 6:52
Sample : wg2038433-2,42,,chlor11967
Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 3/10/2025 7:03 am

Compound #28: 1-br-2-nb_Chlordane



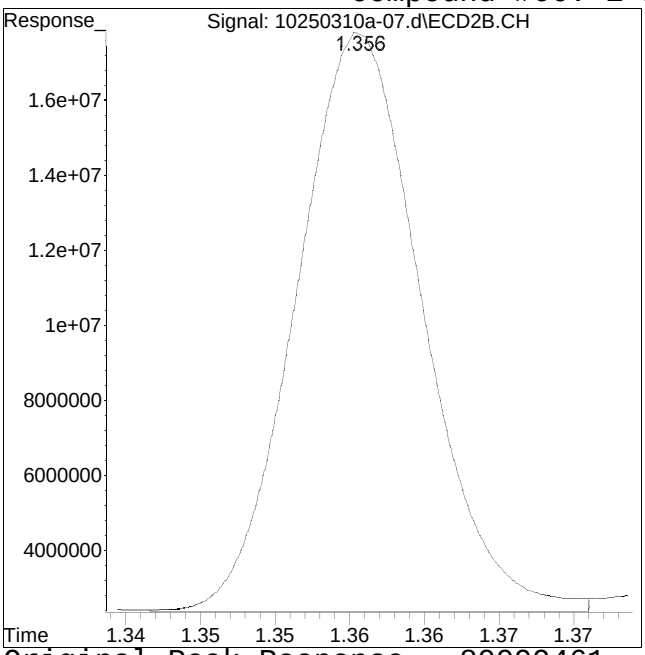


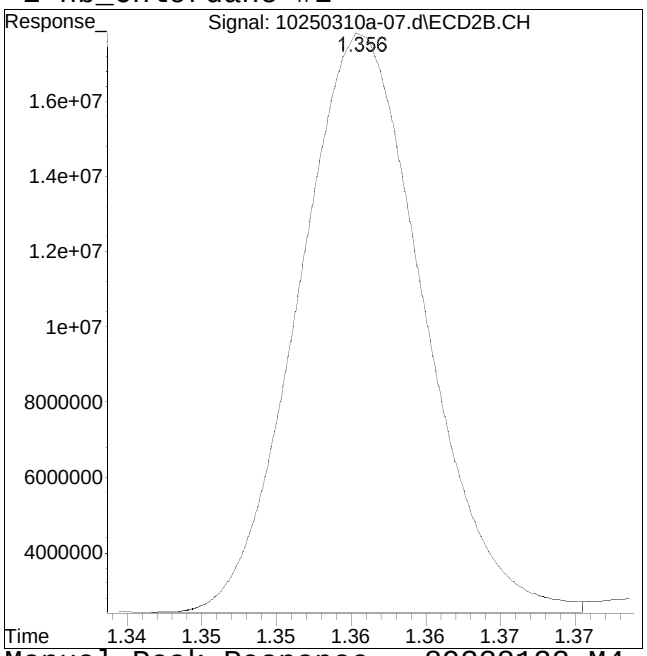
Original Peak Response = 83558942 Manual Peak Response = 81120900 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310QMethod : pest10_2024_12_12_ugL_ic
Data File : 10250310a-07.d Operator : PEST10:akm
Date Inj'd : 3/10/2025 6:52 Instrument : Pest 10
Sample : wg2038433-2,42,,chlor11967Quant Date : 3/10/2025 7:03 am

Compound #66: 1-br-2-nb_Chlordane #2





Original Peak Response = 89999461 Manual Peak Response = 89338122 M4
M4 = Poor automated baseline construction.

Degradation Check Standard

Performance Evaluation Mixture Summary
Form 15
Pesticides

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: PEST11	**Analysis Date**	: 03/08/25 05:46
PEM Standard	: R1938251-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	2139055.5008	1055485.6424
Endrin	1146894092.8048	552075777.07611
4,4'-DDD	2382386.06688	1388339.22748
4,4'-DDT	1720799588.4088	999610794.40394
Endrin Aldehyde	1332647.28475	0
Endrin Ketone	4370821.3211	2419526.35687

Parameter	%Breakdown 1	%Breakdown 2
Endrin	0.495	0.436
DDT	0.262	0.244

Performance Evaluation Mixture Summary
Form 15
Pesticides

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: PEST20	**Analysis Date**	: 03/09/25 11:08
PEM Standard	: R1938513-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	291502.16129	821163.39384
Endrin	232307780.77048	328890607.15074
4,4'-DDD	397481.1588	666378.04869
4,4'-DDT	339119818.94433	495030137.55504
Endrin Aldehyde	271285.02455	418871.09867
Endrin Ketone	774344.62374	1562746.80814

Parameter	%Breakdown 1	%Breakdown 2
Endrin	0.448	0.599
DDT	0.203	0.300

Performance Evaluation Mixture Summary
Form 15
Pesticides

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: PEST10	**Analysis Date**	: 03/10/25 05:49
PEM Standard	: R1938564-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	864124.03706	653043.49317
Endrin	213011833.95445	236524514.23037
4,4'-DDD	3093489.97943	2795646.41306
4,4'-DDT	280309348	365203326
Endrin Aldehyde	411283.80915	378376.97427
Endrin Ketone	1403723.6643	1654211.08811

Parameter	%Breakdown 1	%Breakdown 2
Endrin	0.845	0.852
DDT	1.39	0.935

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 5:46
Operator : PEST11:peg
Sample : pem11250308a-01,42,,deg11925 (Sig #1); deg11925 (Sig #2)
Misc : wg2038031,,ical21853
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 07:01:27 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:00:56 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.292	1.370	379.9E6	227.6E6	25.000M4	25.000
	System Monitoring Compounds						
	Target Compounds						
15) t	4,4'-DDE	3.667	4.510	2139056	1055486	0.106M4	0.098M4
18) t	Endrin	4.224	4.962	1146.9E6	552.1E6	59.199M4	51.883M4
19) t	4,4'-DDD	4.337	5.086	2382386	1388339	0.156M4	0.161M4
21) t	4,4'-DDT	4.631	5.364	1720.8E6	999.6E6	104.006M3	101.952M4
22) t	Endrin Aldeh	4.885	0.000	1332647	0	0.089M3	N.D. d
D							
26) t	Endrin Keton	5.502	6.100	4370821	2419526	0.244M3	0.239M4
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
	Sum toxaphene-2			0	0	N.D.	N.D.
	Average toxaphene-2					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum toxaphene-2			0	0	N.D.	N.D.
	Average toxaphene-2					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 5:46
Operator : PEST11:peg
Sample : pem11250308a-01,42,,deg11925 (Sig #1); deg11925 (Sig #2)
Misc : wg2038031,,ical21853
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 07:01:27 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:00:56 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

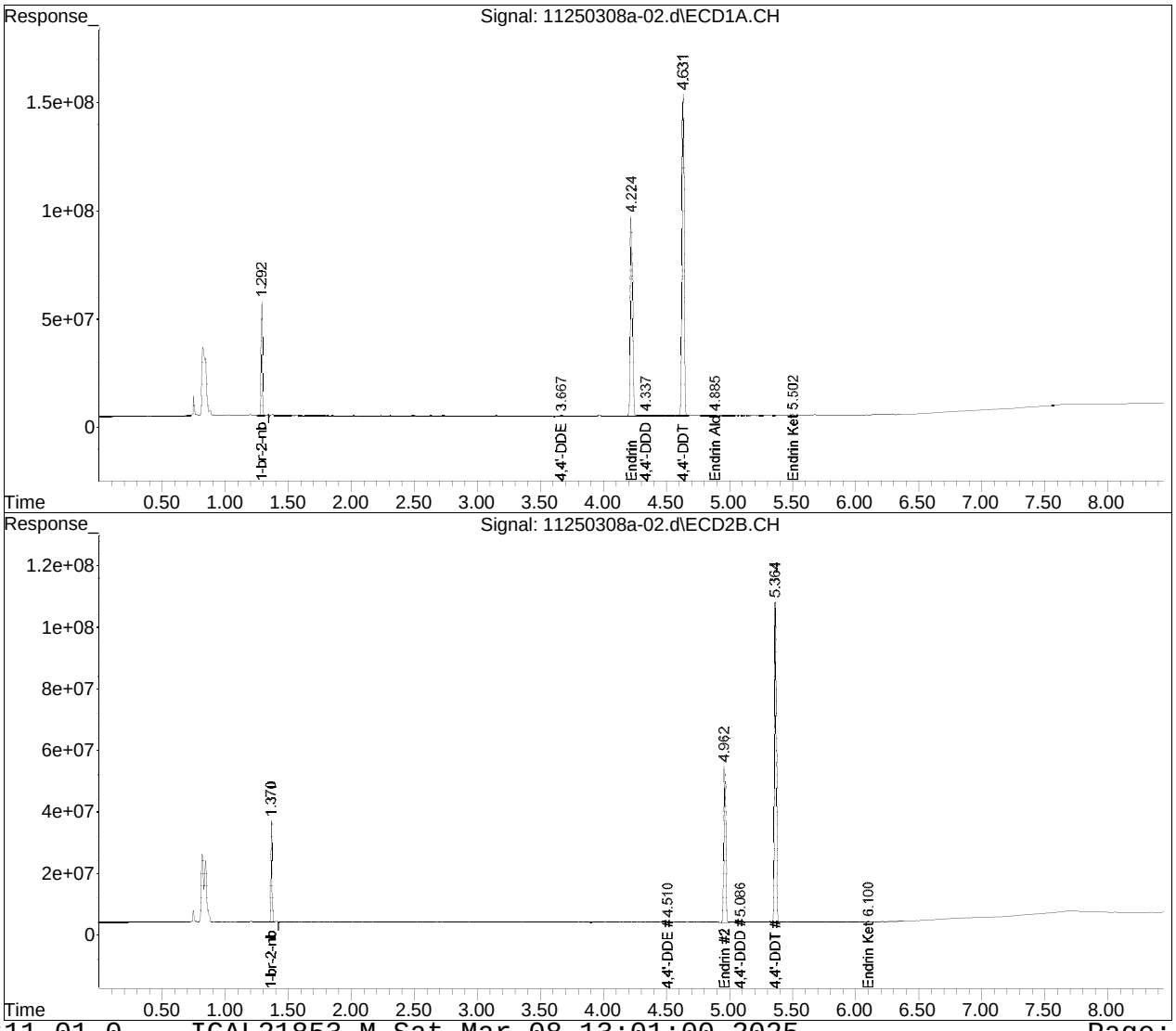
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : DEG - DDT/Endrin degradation checkiewed)

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 5:46
Operator : PEST11:peg
Sample : pem11250308a-01,42,,deg11925 (Sig #1); deg11925 (Sig #2)
Misc : wg2038031,,ical21853
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 07:01:27 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:00:56 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

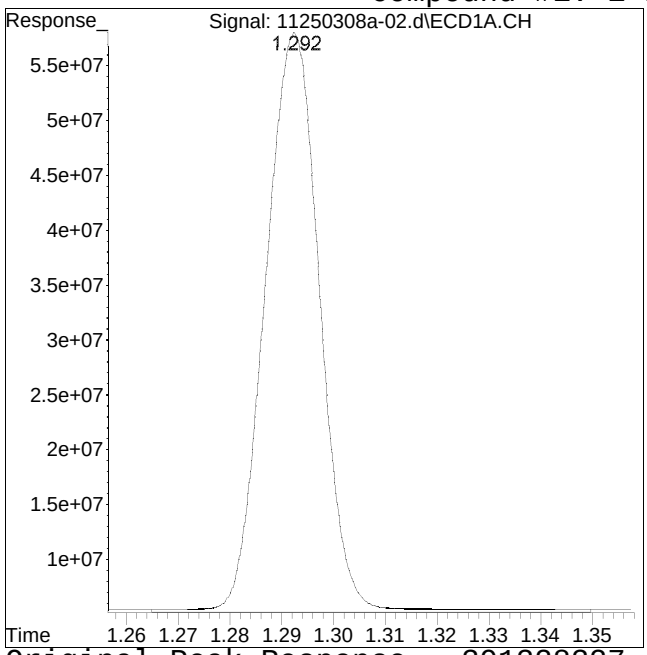


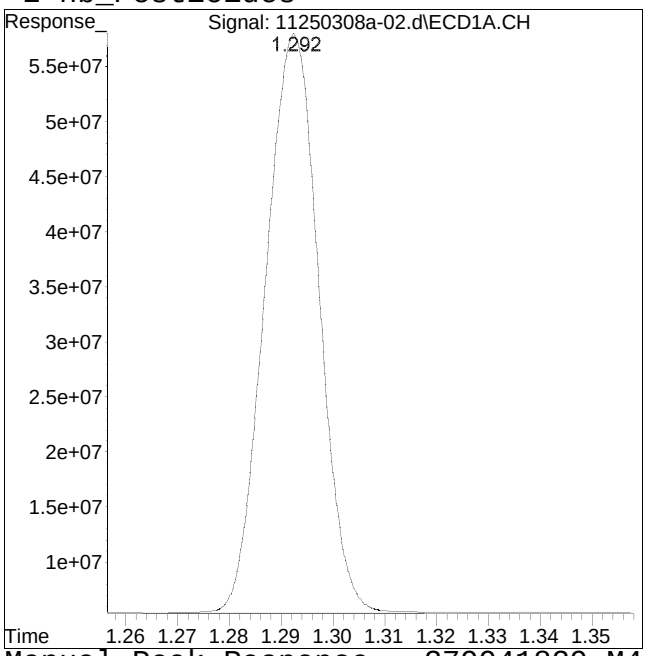
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308Q
Data File : 11250308a-02.d
Date Inj'd : 3/8/2025 5:46
Sample : pem11250308a-01,42,,deg119

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:peg
Instrument : Pest 11
Quant Date : 3/8/2025 7:01 am

Compound #1: 1-br-2-nb_Pesticides





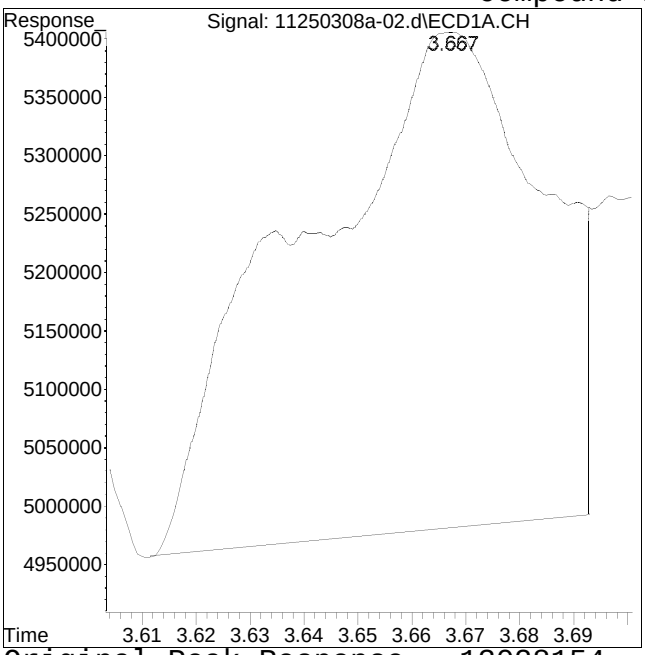
Original Peak Response = 391328327 Manual Peak Response = 379941829 M4
M4 = Poor automated baseline construction.

Manual Integration Report

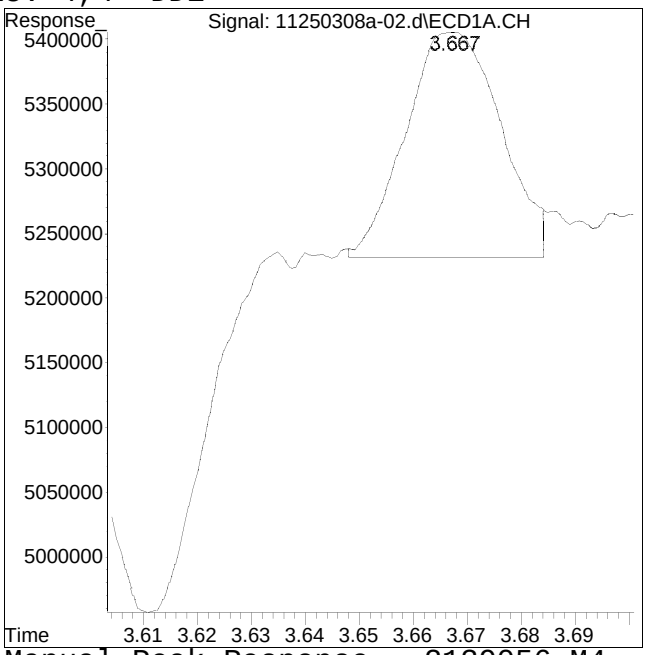
Data Path : I:\PEST\Pest11\2025\250308Q
Data File : 11250308a-02.d
Date Inj'd : 3/8/2025 5:46
Sample : pem11250308a-01,42,,deg119

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:peg
Instrument : Pest 11
Quant Date : 3/8/2025 7:01 am

Compound #15: 4,4'-DDE



Original Peak Response = 13028154



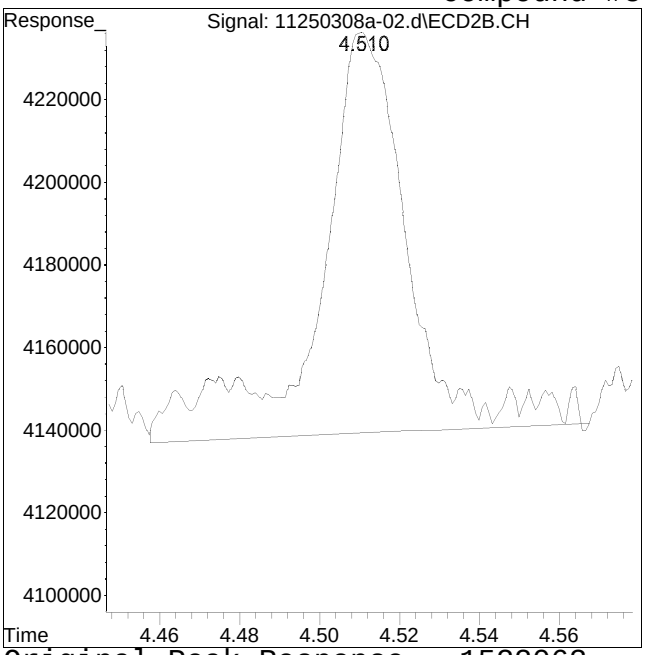
Manual Peak Response = 2139056 M4

M4 = Poor automated baseline construction.

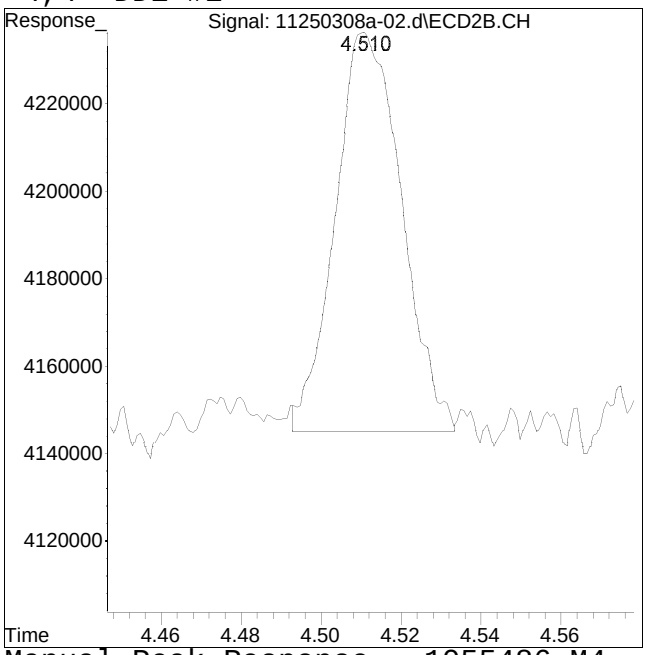
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308Q
Data File : 11250308a-02.d
Date Inj'd : 3/8/2025 5:46
Sample : pem11250308a-01,42,,deg119
Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:peg
Instrument : Pest 11
Quant Date : 3/8/2025 7:01 am

Compound #53: 4,4'-DDE #2



Original Peak Response = 1522063



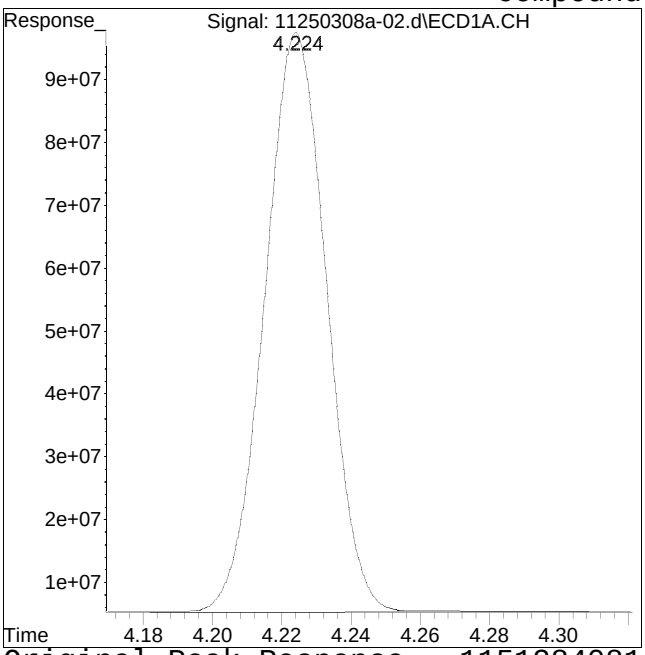
Manual Peak Response = 1055486 M4

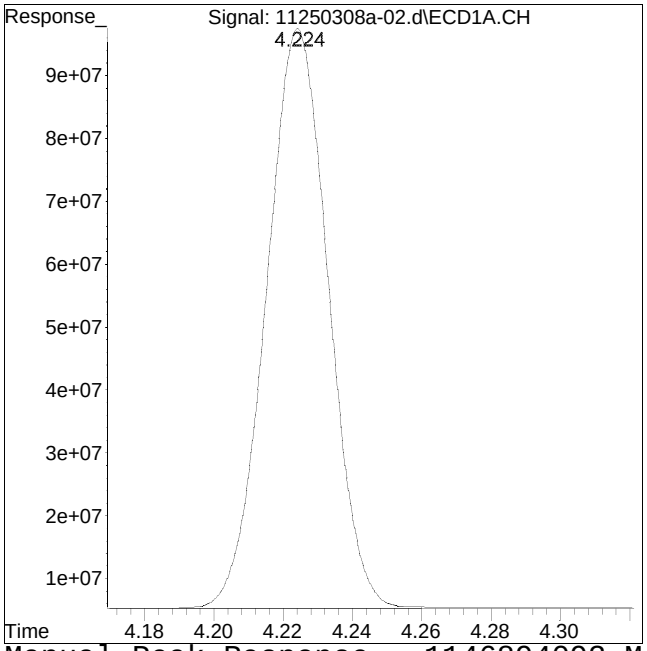
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308Q
Data File : 11250308a-02.d
Date Inj'd : 3/8/2025 5:46
Sample : pem11250308a-01,42,,deg119
Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:peg
Instrument : Pest 11
Quant Date : 3/8/2025 7:01 am

Compound #18: Endrin



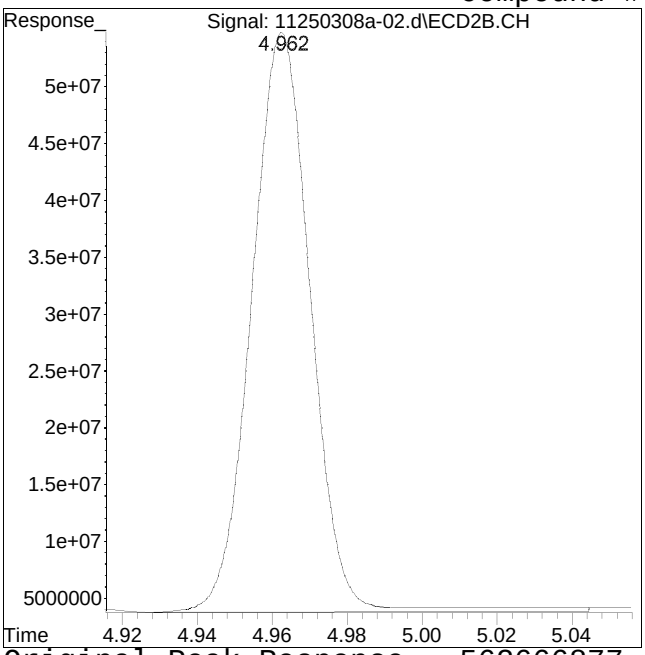


Original Peak Response = 1151284081 Manual Peak Response = 1146894093 M4
M4 = Poor automated baseline construction.

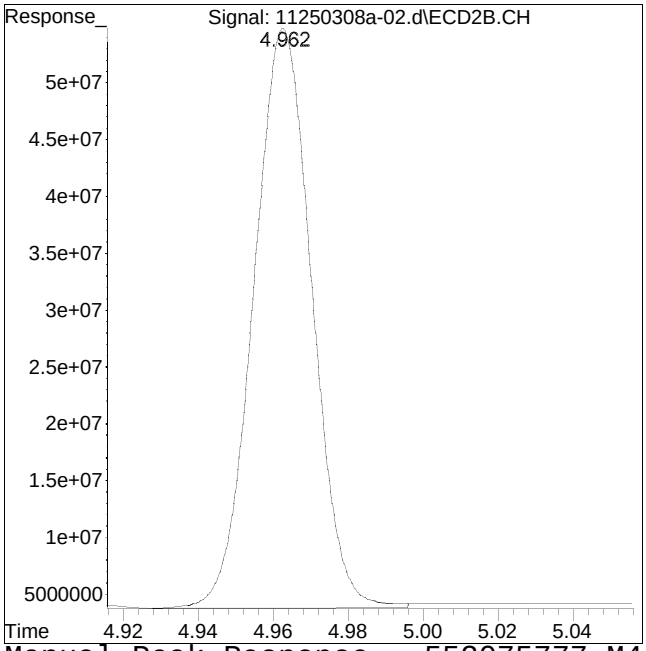
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-02.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:46 Instrument : Pest 11
Sample : pem11250308a-01,42,,deg119Quant Date : 3/8/2025 7:01 am

Compound #56: Endrin #2



Original Peak Response = 562666877



Manual Peak Response = 552075777 M4

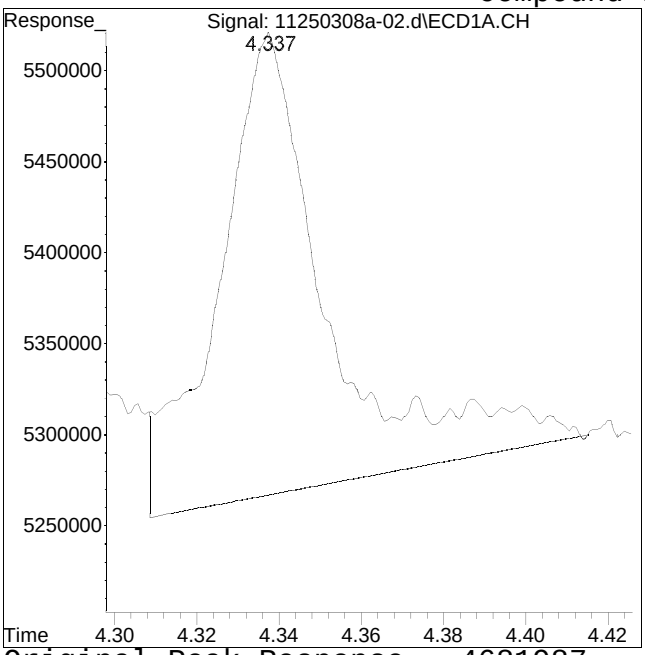
M4 = Poor automated baseline construction.

Manual Integration Report

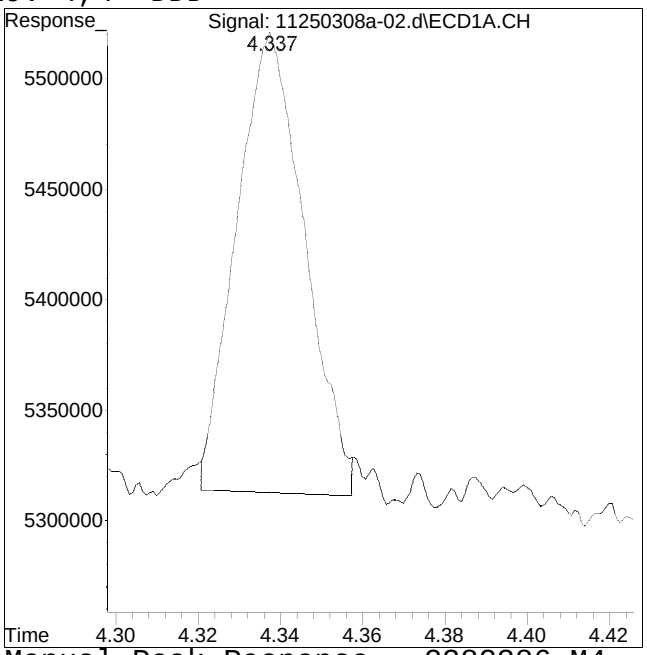
Data Path : I:\PEST\Pest11\2025\250308Q
Data File : 11250308a-02.d
Date Inj'd : 3/8/2025 5:46
Sample : pem11250308a-01,42,,deg119

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:peg
Instrument : Pest 11
Quant Date : 3/8/2025 7:01 am

Compound #19: 4,4'-DDD



Original Peak Response = 4681987



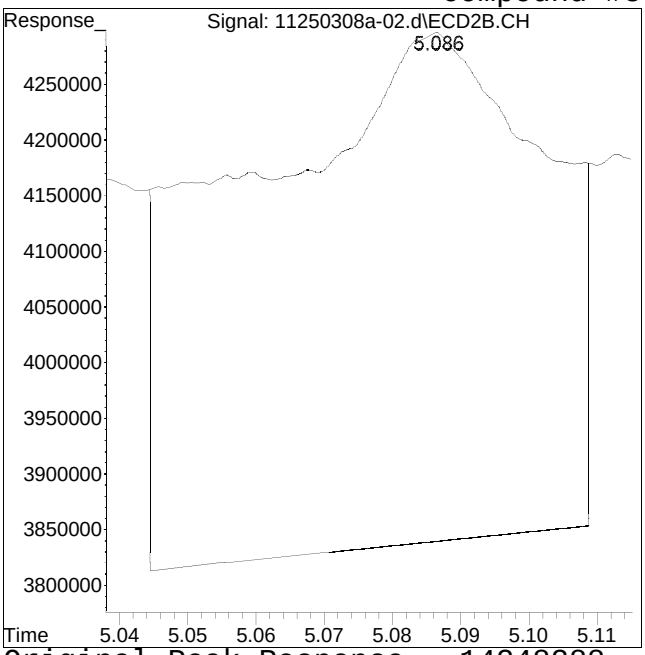
Manual Peak Response = 2382386 M4

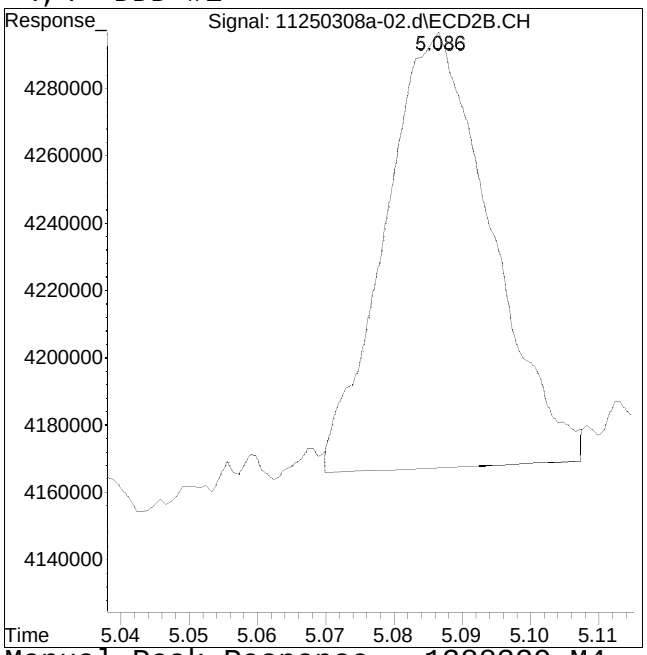
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-02.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:46 Instrument : Pest 11
Sample : pem11250308a-01,42,,deg119Quant Date : 3/8/2025 7:01 am

Compound #57: 4,4'-DDD #2





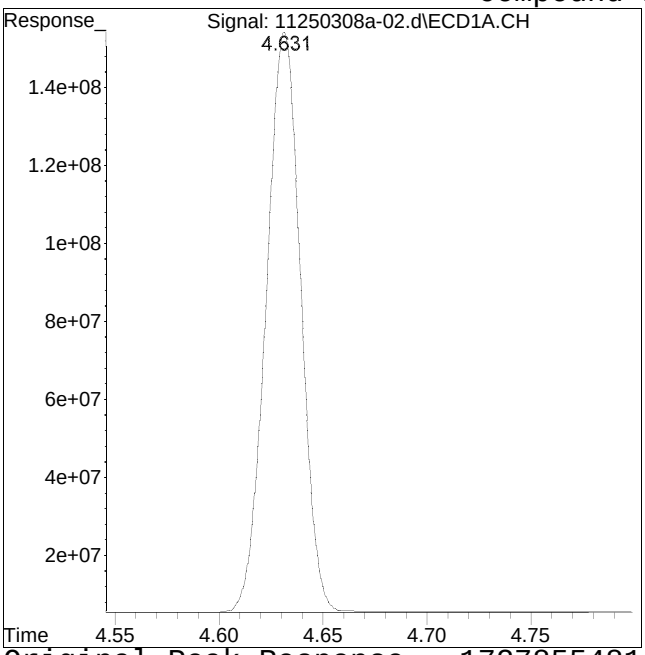
Original Peak Response = 14248288 Manual Peak Response = 1388339 M4
M4 = Poor automated baseline construction.

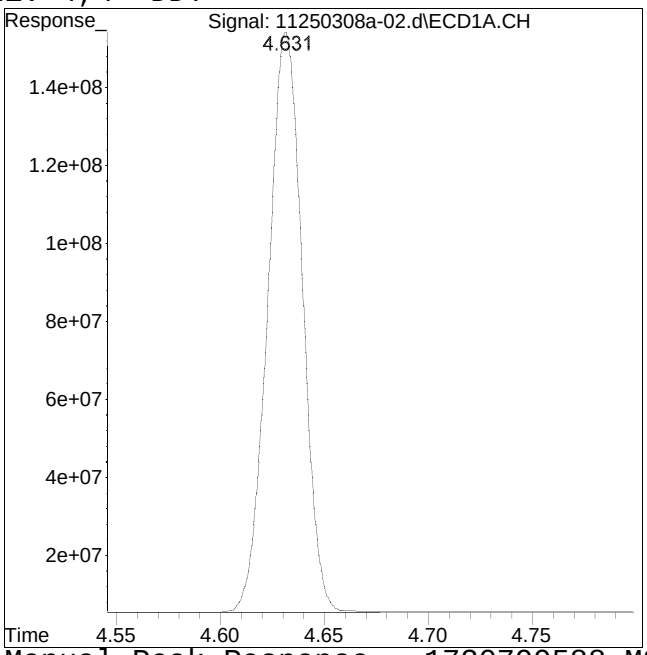
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308Q
Data File : 11250308a-02.d
Date Inj'd : 3/8/2025 5:46
Sample : pem11250308a-01,42,,deg119

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:peg
Instrument : Pest 11
Quant Date : 3/8/2025 7:01 am

Compound #21: 4,4'-DDT





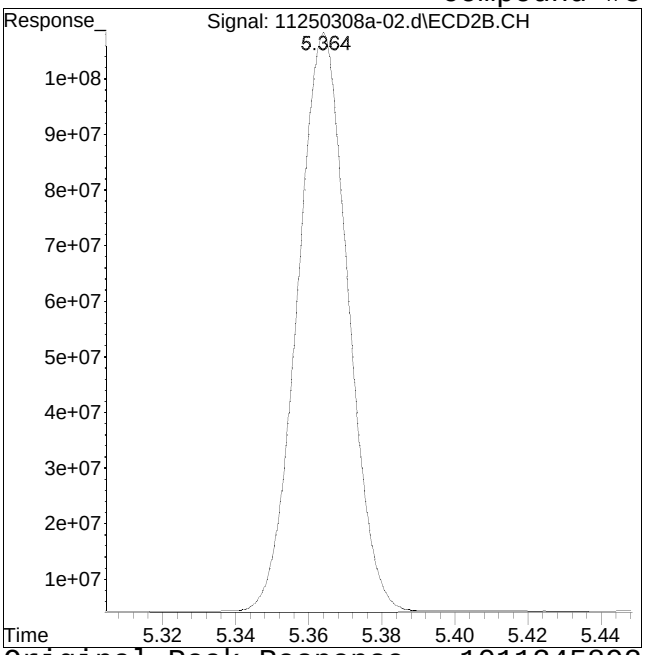
Original Peak Response = 1727855481 Manual Peak Response = 1720799588 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

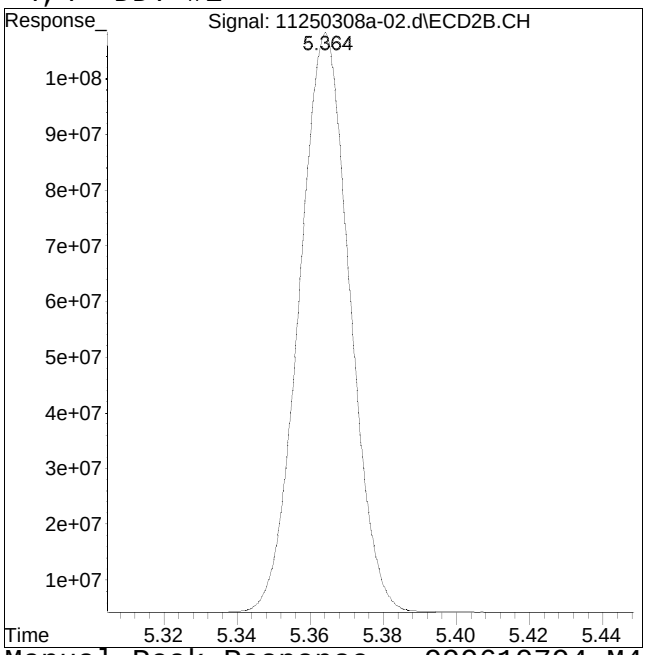
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308Q
Data File : 11250308a-02.d
Date Inj'd : 3/8/2025 5:46
Sample : pem11250308a-01,42,,deg119

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:peg
Instrument : Pest 11
Quant Date : 3/8/2025 7:01 am

Compound #59: 4,4'-DDT #2



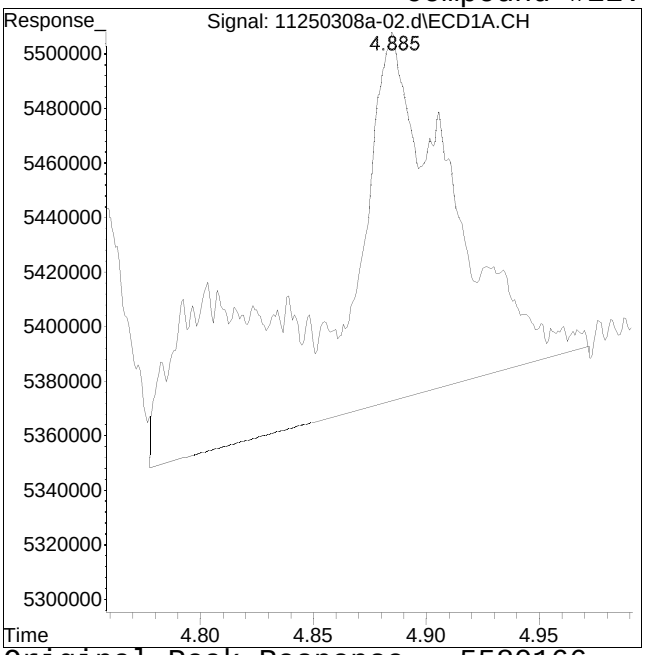


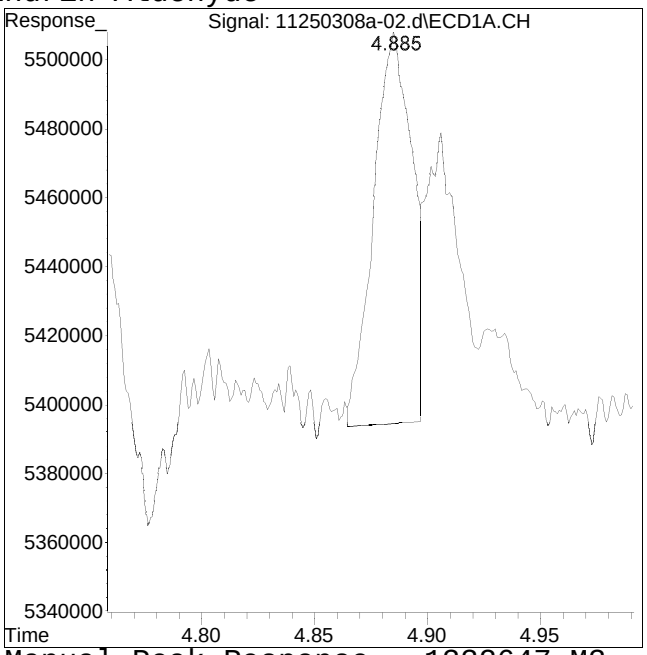
Original Peak Response = 1011345892 Manual Peak Response = 999610794 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308Q
Data File : 11250308a-02.d
Date Inj'd : 3/8/2025 5:46
Sample : pem11250308a-01,42,,deg119
Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:peg
Instrument : Pest 11
Quant Date : 3/8/2025 7:01 am

Compound #22: Endrin Aldehyde





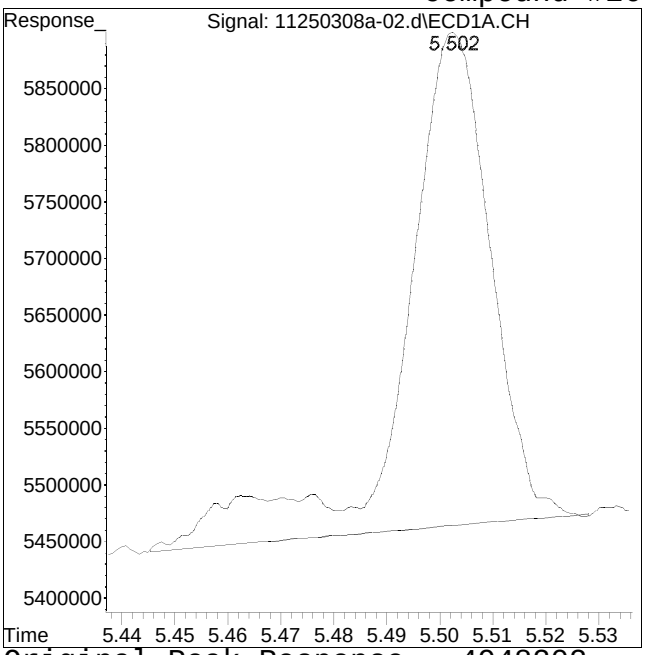
Original Peak Response = 5580166 Manual Peak Response = 1332647 M3

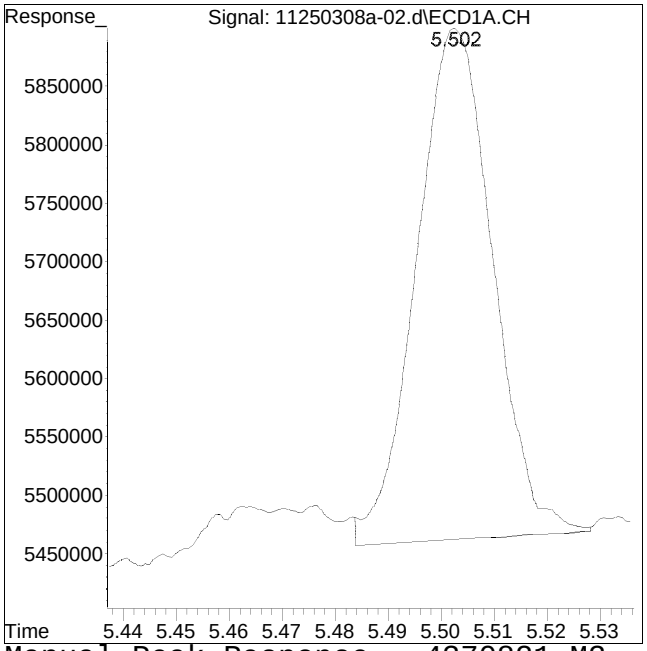
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-02.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 5:46 Instrument : Pest 11
Sample : pem11250308a-01,42,,deg119Quant Date : 3/8/2025 7:01 am

Compound #26: Endrin Ketone



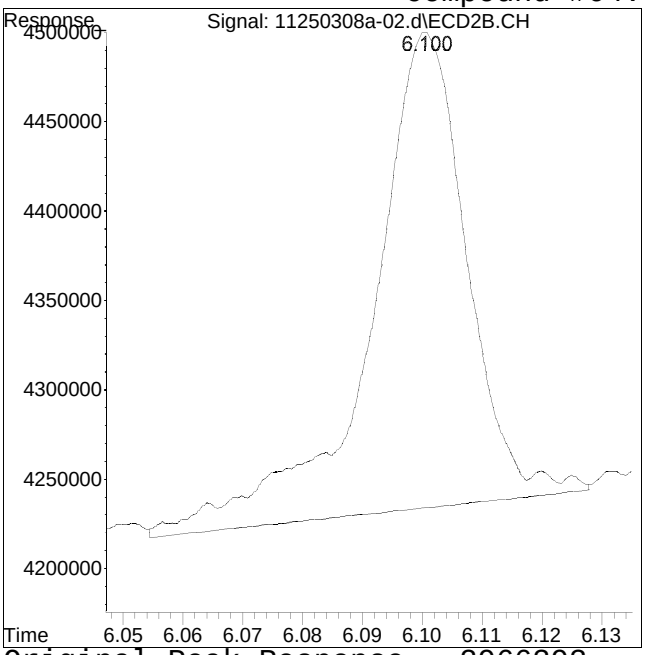


Original Peak Response = 4948202 Manual Peak Response = 4370821 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

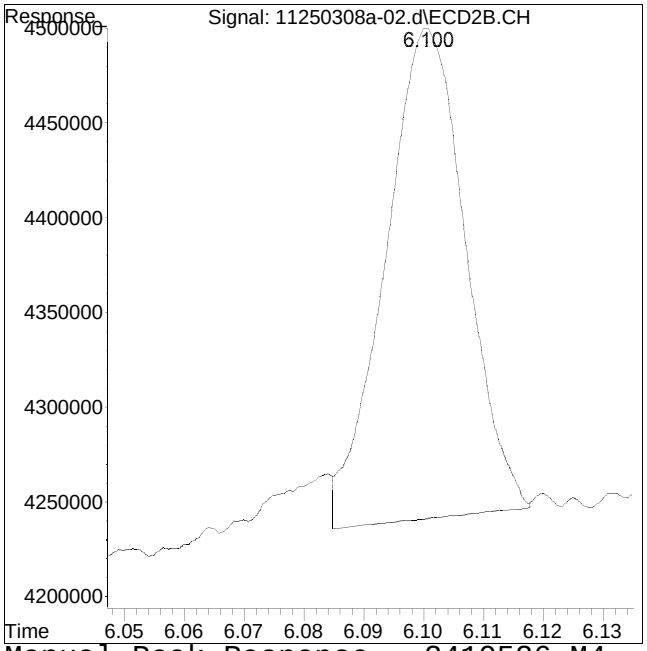
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308Q
Data File : 11250308a-02.d
Date Inj'd : 3/8/2025 5:46
Sample : pem11250308a-01,42,,deg119
Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:peg
Instrument : Pest 11
Quant Date : 3/8/2025 7:01 am

Compound #64: Endrin Ketone #2



Original Peak Response = 2966393



Manual Peak Response = 2419526 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250309a\
Data File : 20250308a-02.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Mar 2025 11:08
Operator : pest20:dlp
Sample : pem20250308a-01,42,,deg11925 (Sig #1); deg11925 (Sig #2)
Misc : wg2038287,,ical21840
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 09 12:17:08 2025
Quant Method : I:\PEST\Pest20\2025\250309a\pest20_2025_01_03_ugL_ICAL21840.m
Quant Title : pest
QLast Update : Sun Mar 09 12:02:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.899	1.947	99096158	145.2E6	25.000M3	25.000M4
	System Monitoring Compounds						
	Target Compounds						
15) D	4,4'-DDE	4.683	5.355	291502	821163	0.059M2	0.128M4
18)	Endrin	5.238	5.794	232.3E6	328.9E6	46.131M4	46.993M4
19)	4,4'-DDD	5.338	5.913	397481	666378	0.099M2	0.131M4
21)	4,4'-DDT	5.614	6.184	339.1E6	495.0E6	78.185M4	82.646M4
22)	Endrin Aldeh	5.862	6.284	271285	418871	N.D. M2	0.088M4
26)	Endrin Keton	6.468	6.920	774345	1562747	0.161M2	0.239M4
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250309a\
Data File : 20250308a-02.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Mar 2025 11:08
Operator : pest20:dlp
Sample : pem20250308a-01,42,,deg11925 (Sig #1); deg11925 (Sig #2)
Misc : wg2038287,,ical21840
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 09 12:17:08 2025
Quant Method : I:\PEST\Pest20\2025\250309a\pest20_2025_01_03_ugL_ICAL21840.m
Quant Title : pest
QLast Update : Sun Mar 09 12:02:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

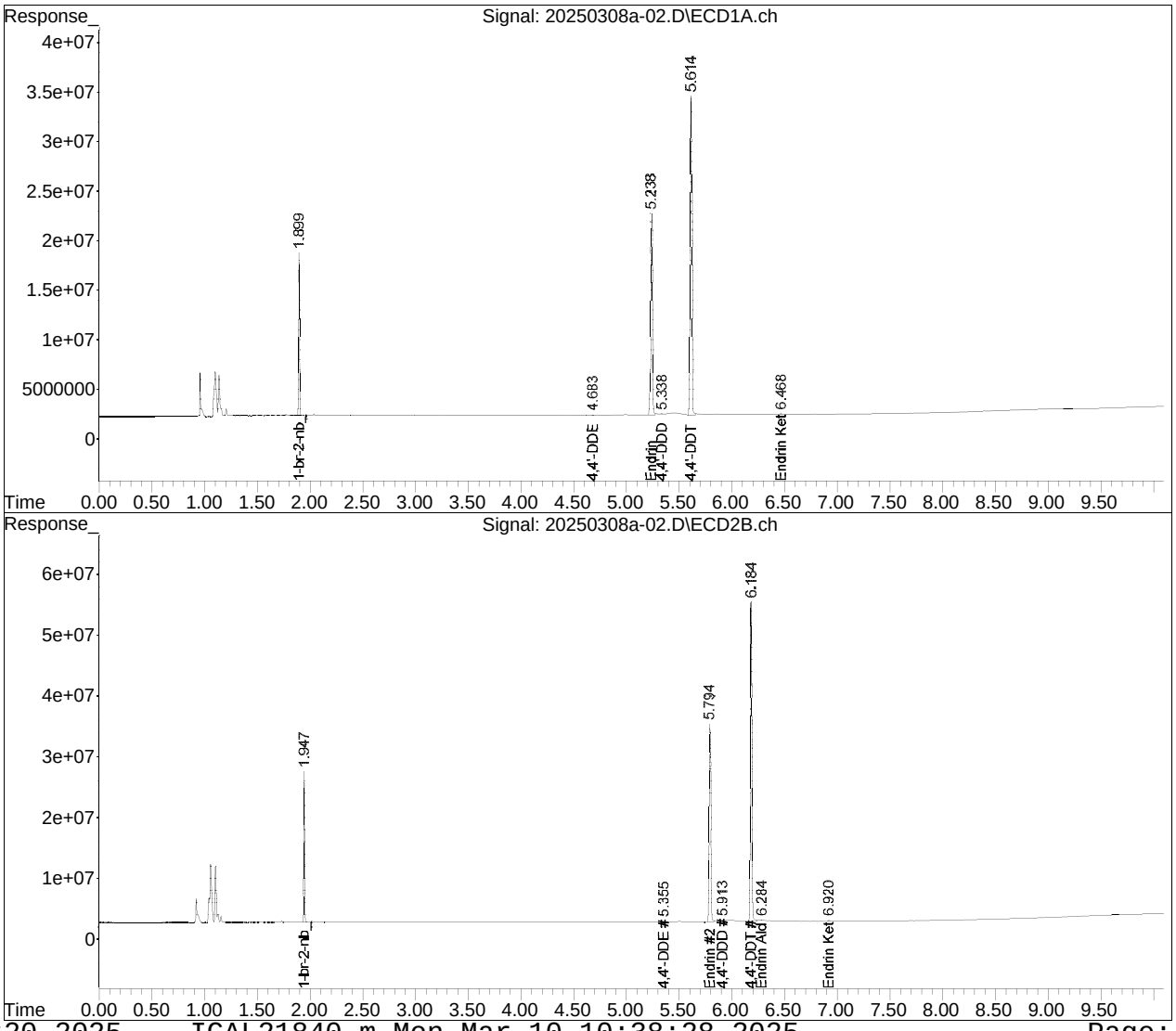
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : DEG - DDT/Endrin degradation checkiewed)

Data Path : I:\PEST\Pest20\2025\250309a\
Data File : 20250308a-02.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Mar 2025 11:08
Operator : pest20:dlp
Sample : pem20250308a-01,42,,deg11925 (Sig #1); deg11925 (Sig #2)
Misc : wg2038287,,ical21840
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 09 12:17:08 2025
Quant Method : I:\PEST\Pest20\2025\250309a\pest20_2025_01_03_ugL_ICAL21840.m
Quant Title : pest
QLast Update : Sun Mar 09 12:02:59 2025
Response via : Initial Calibration
Integrator: ChemStation

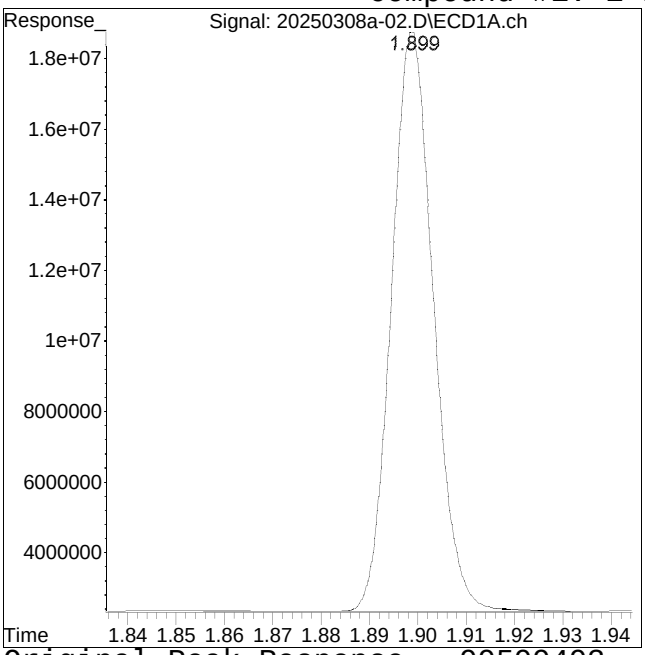
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

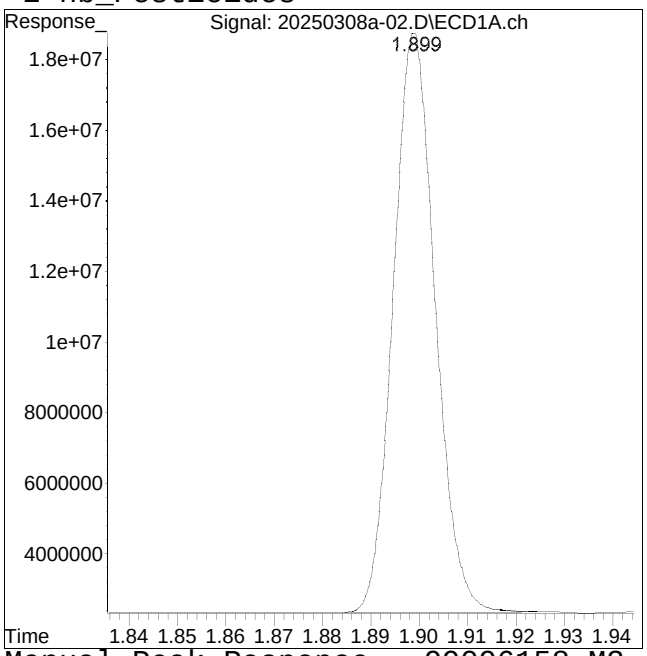


Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-02.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:08 Instrument : PEST 20
Sample : pem20250308a-01,42,,deg119Quant Date : 3/9/2025 12:17 pm

Compound #1: 1-br-2-nb_Pesticides



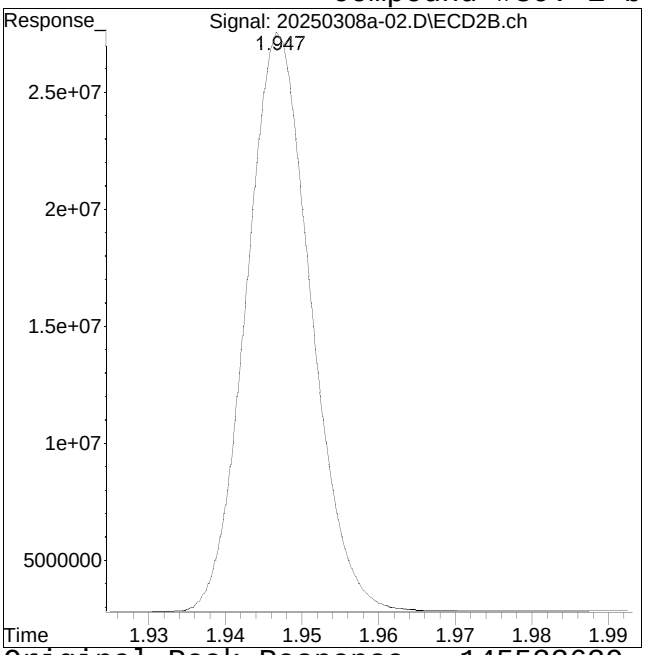


Original Peak Response = 99599493 Manual Peak Response = 99096158 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

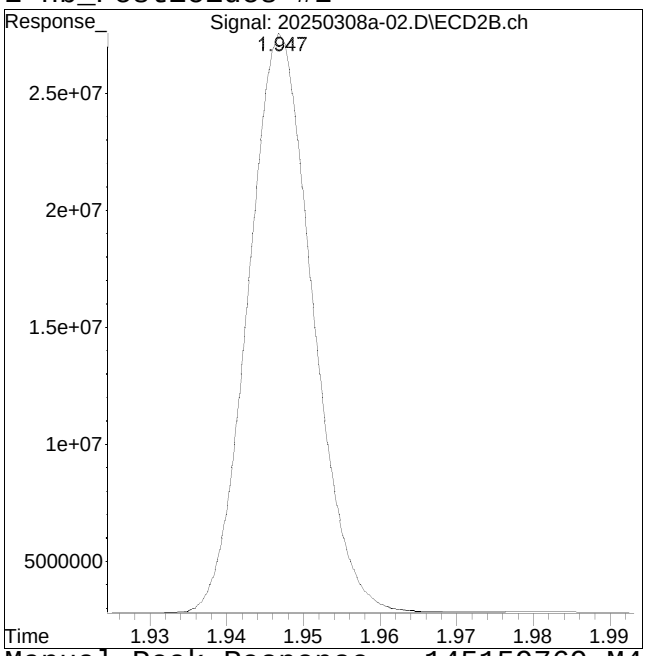
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309Q
Data File : 20250308a-02.D
Date Inj'd : 3/9/2025 11:08
Sample : pem20250308a-01,42,,deg119
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:dlp
Instrument : PEST 20
Quant Date : 3/9/2025 12:17 pm

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 145533639



Manual Peak Response = 145159769 M4

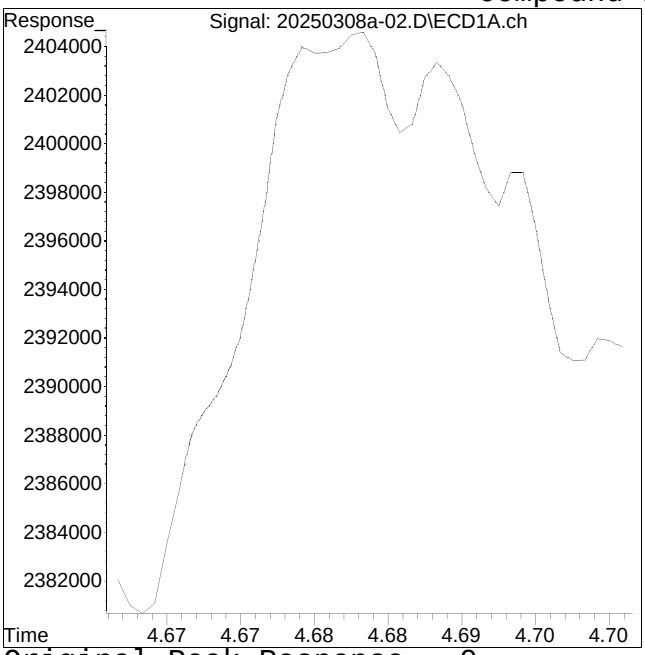
M4 = Poor automated baseline construction.

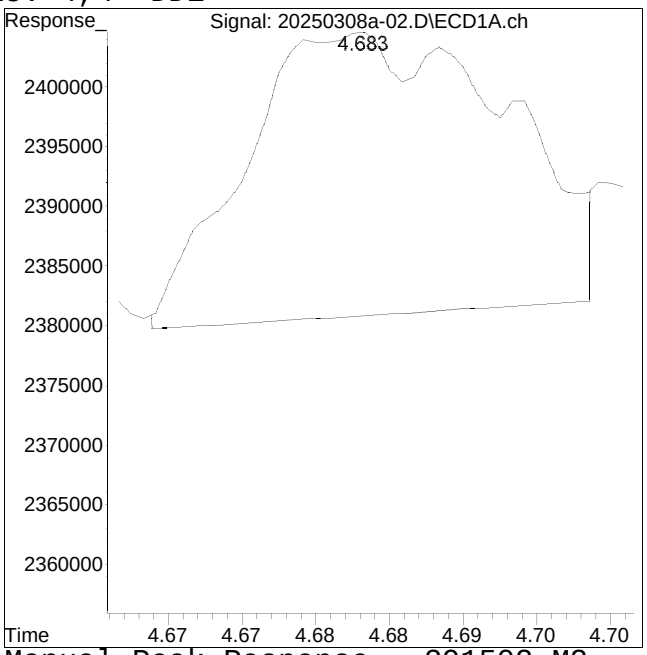
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309Q
Data File : 20250308a-02.D
Date Inj'd : 3/9/2025 11:08
Sample : pem20250308a-01,42,,deg119

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:dlp
Instrument : PEST 20
Quant Date : 3/9/2025 12:17 pm

Compound #15: 4,4'-DDE



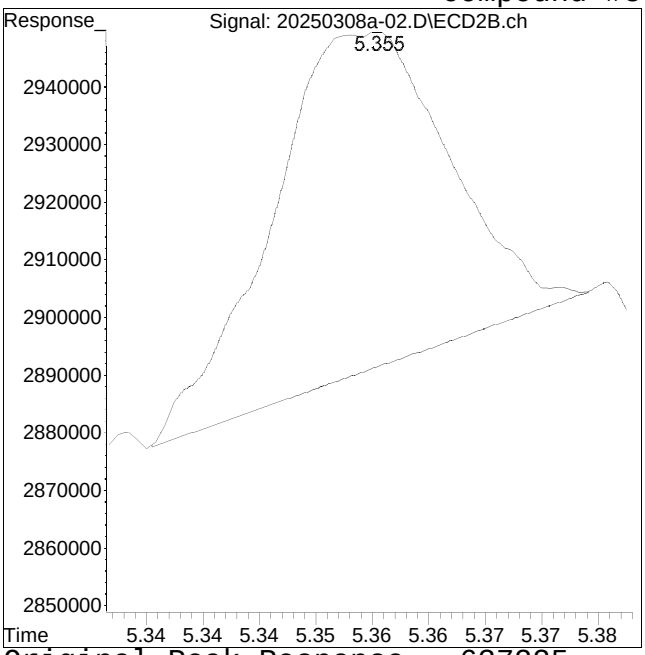


Original Peak Response = 0
Manual Peak Response = 291502 M2
M2 = Peak not found by automatic integration algorithm.

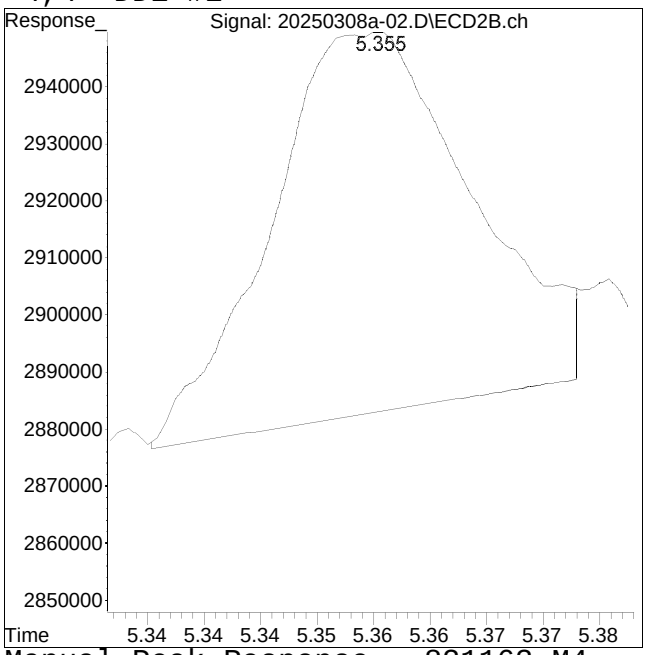
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-02.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:08 Instrument : PEST 20
Sample : pem20250308a-01,42,,deg119Quant Date : 3/9/2025 12:17 pm

Compound #53: 4,4'-DDE #2



Original Peak Response = 637225



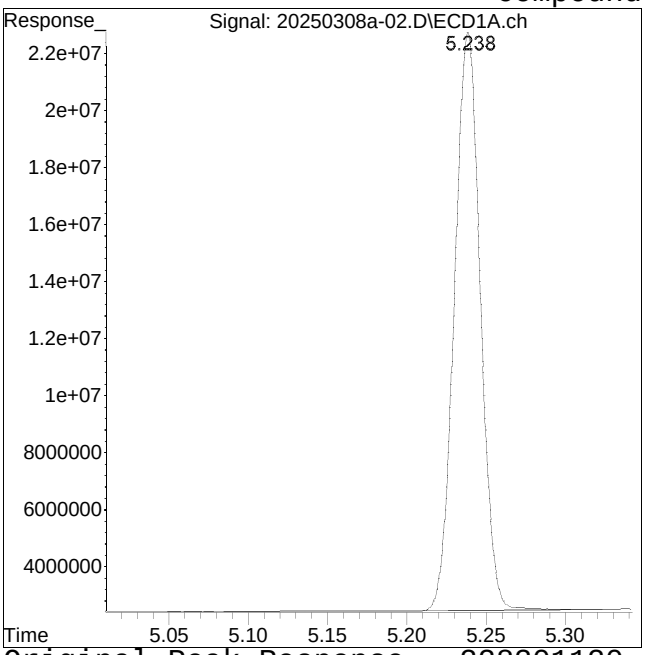
Manual Peak Response = 821163 M4

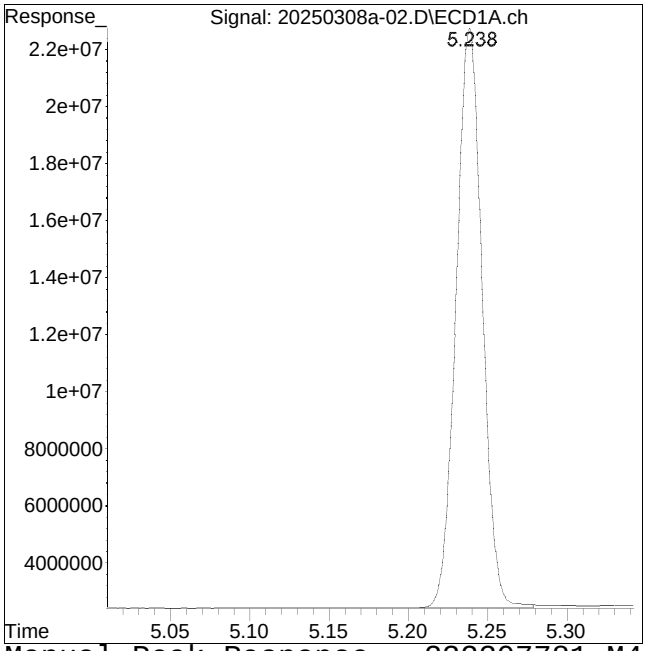
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-02.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:08 Instrument : PEST 20
Sample : pem20250308a-01,42,,deg119Quant Date : 3/9/2025 12:17 pm

Compound #18: Endrin



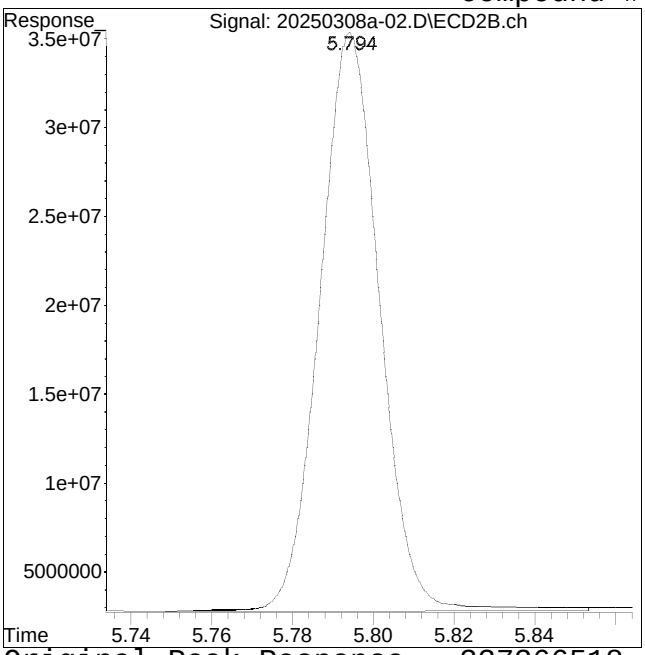


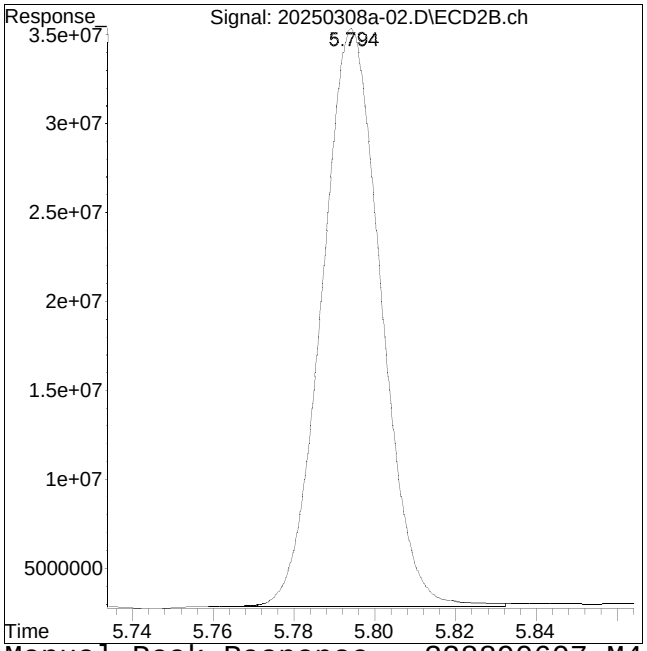
Original Peak Response = 228301120 Manual Peak Response = 232307781 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-02.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:08 Instrument : PEST 20
Sample : pem20250308a-01,42,,deg119Quant Date : 3/9/2025 12:17 pm

Compound #56: Endrin #2





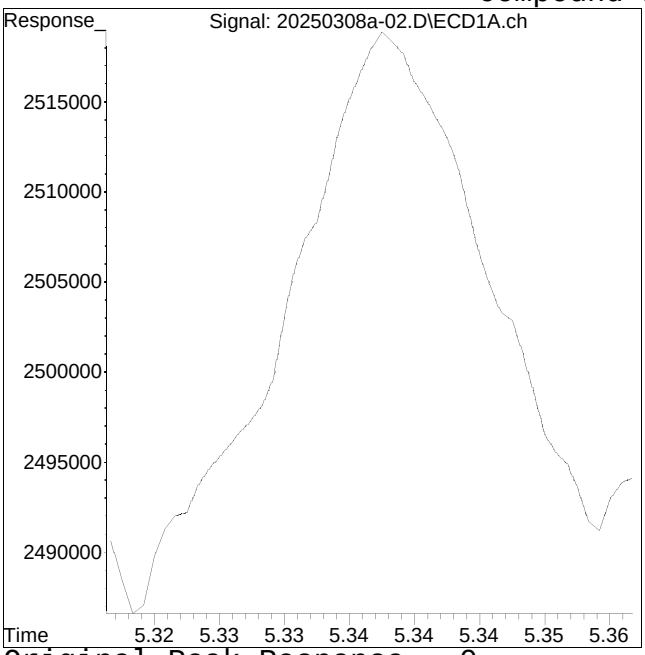
Original Peak Response = 337366518 Manual Peak Response = 328890607 M4
M4 = Poor automated baseline construction.

Manual Integration Report

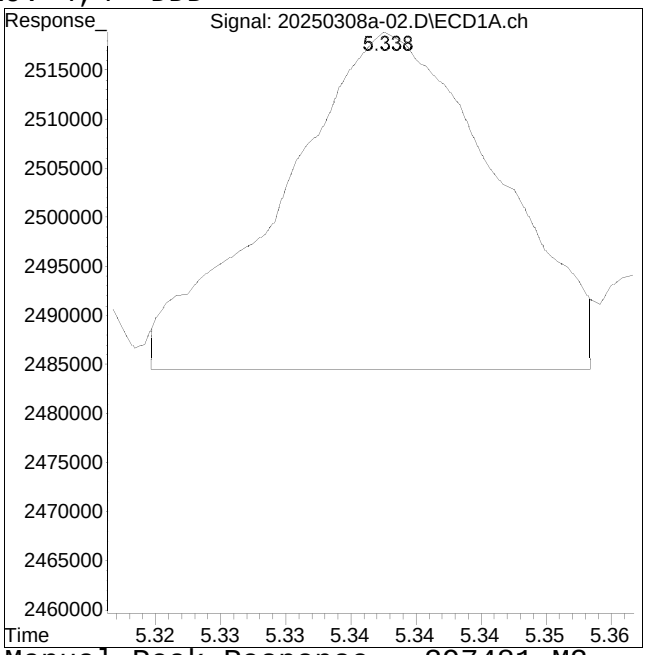
Data Path : I:\PEST\Pest20\2025\250309Q
Data File : 20250308a-02.D
Date Inj'd : 3/9/2025 11:08
Sample : pem20250308a-01,42,,deg119

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:dlp
Instrument : PEST 20
Quant Date : 3/9/2025 12:17 pm

Compound #19: 4,4'-DDD



Original Peak Response = 0



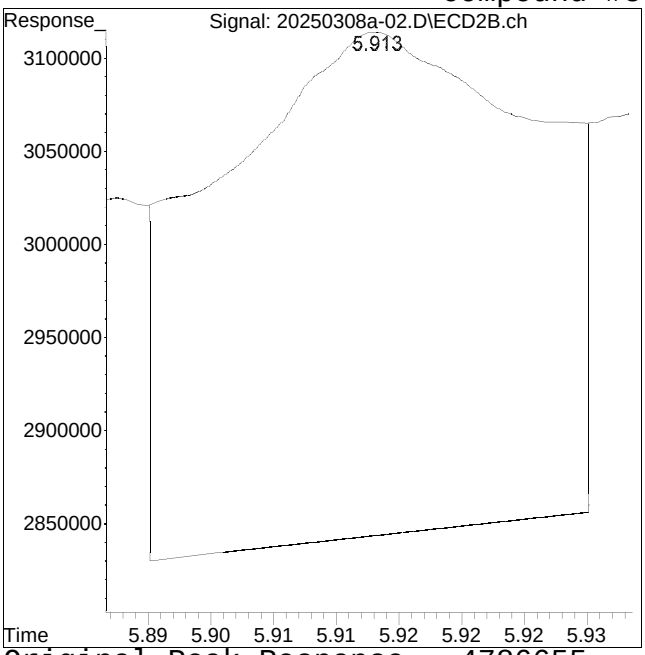
Manual Peak Response = 397481 M2

M2 = Peak not found by automatic integration algorithm.

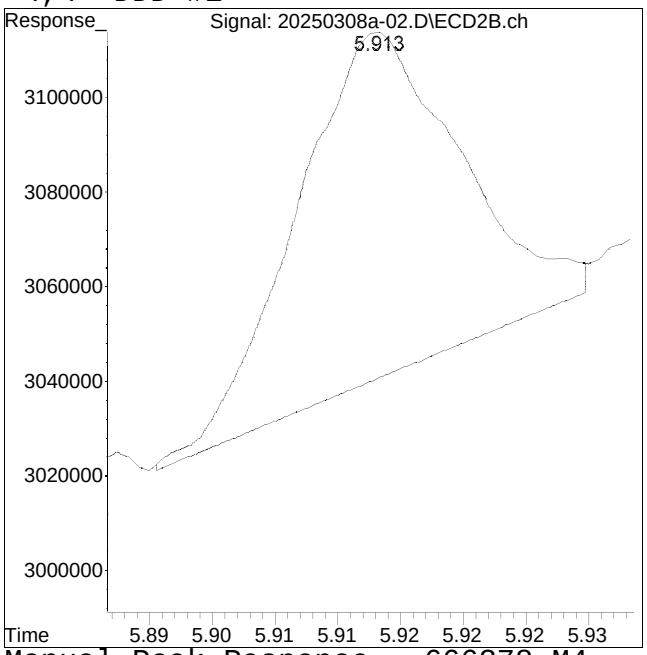
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309Q
Data File : 20250308a-02.D
Date Inj'd : 3/9/2025 11:08
Sample : pem20250308a-01,42,,deg119
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:dlp
Instrument : PEST 20
Quant Date : 3/9/2025 12:17 pm

Compound #57: 4,4'-DDD #2



Original Peak Response = 4786655



Manual Peak Response = 666378 M4

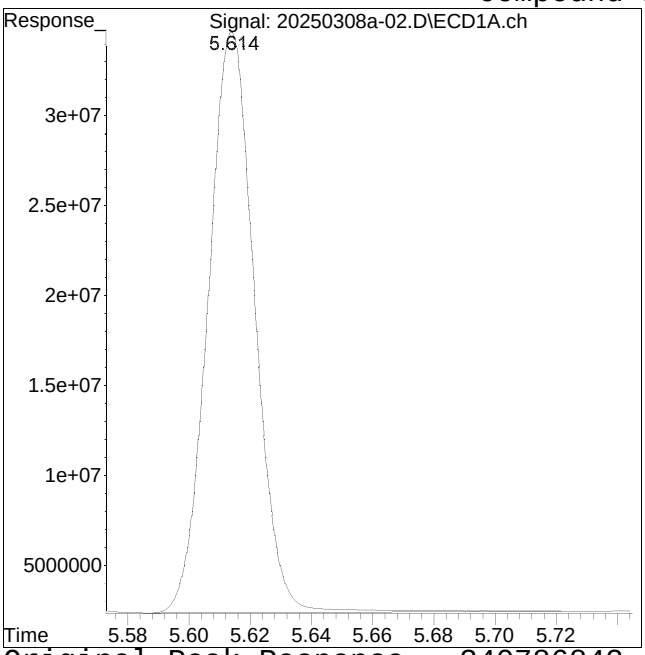
M4 = Poor automated baseline construction.

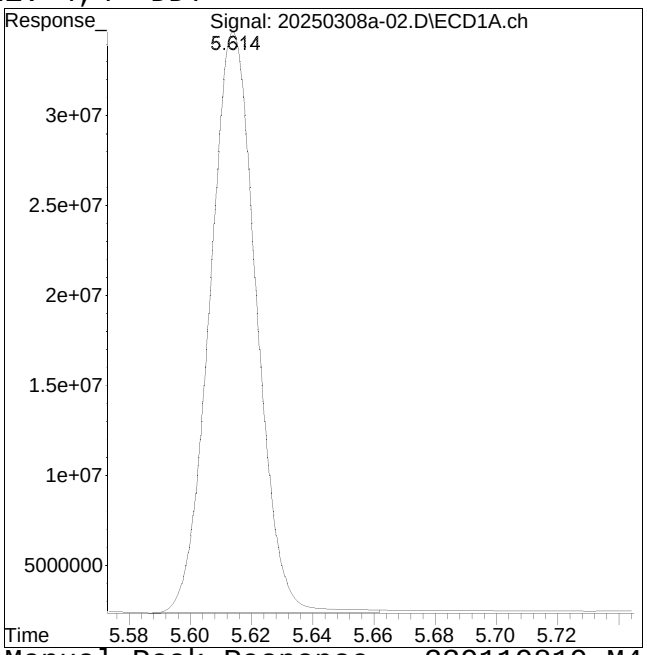
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309Q
Data File : 20250308a-02.D
Date Inj'd : 3/9/2025 11:08
Sample : pem20250308a-01,42,,deg119

Method : pest20_2025_01_03_ugL_IC
Operator : pest20:dlp
Instrument : PEST 20
Quant Date : 3/9/2025 12:17 pm

Compound #21: 4,4'-DDT



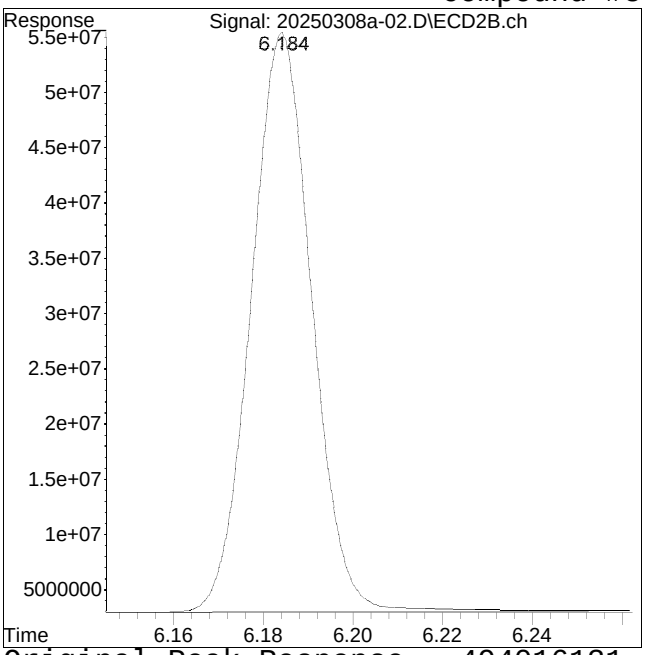


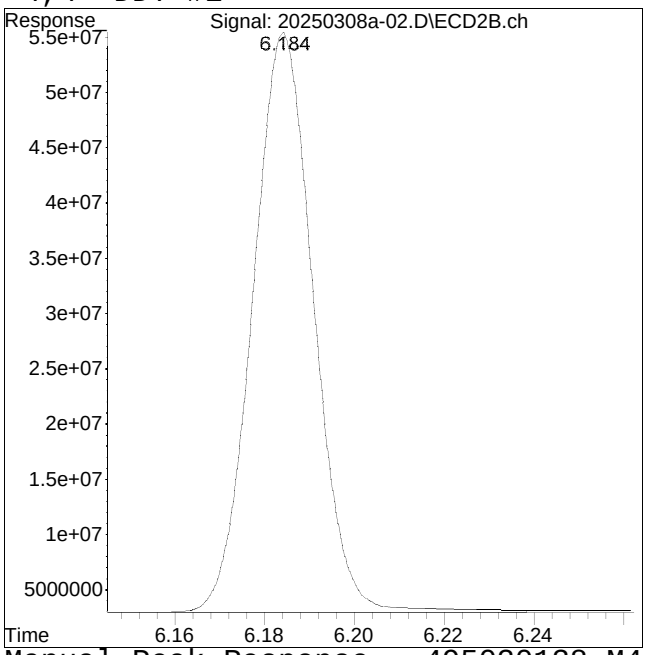
Original Peak Response = 340786842 Manual Peak Response = 339119819 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-02.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:08 Instrument : PEST 20
Sample : pem20250308a-01,42,,deg119Quant Date : 3/9/2025 12:17 pm

Compound #59: 4,4'-DDT #2



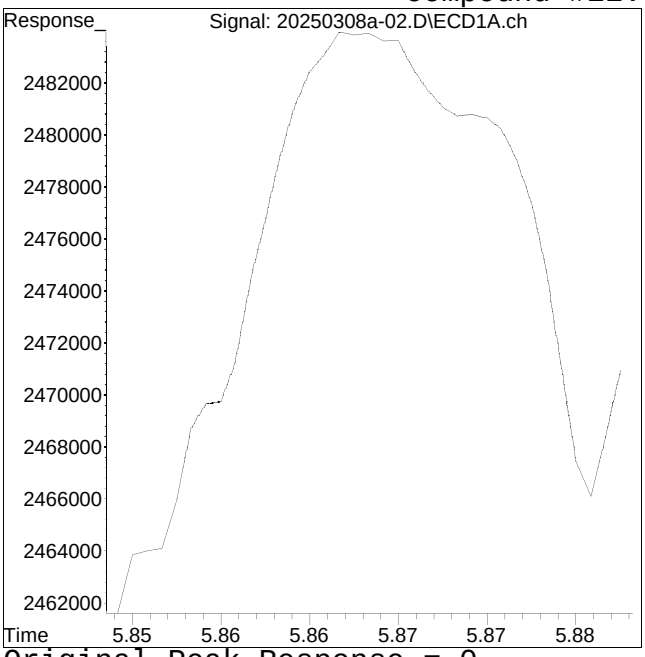


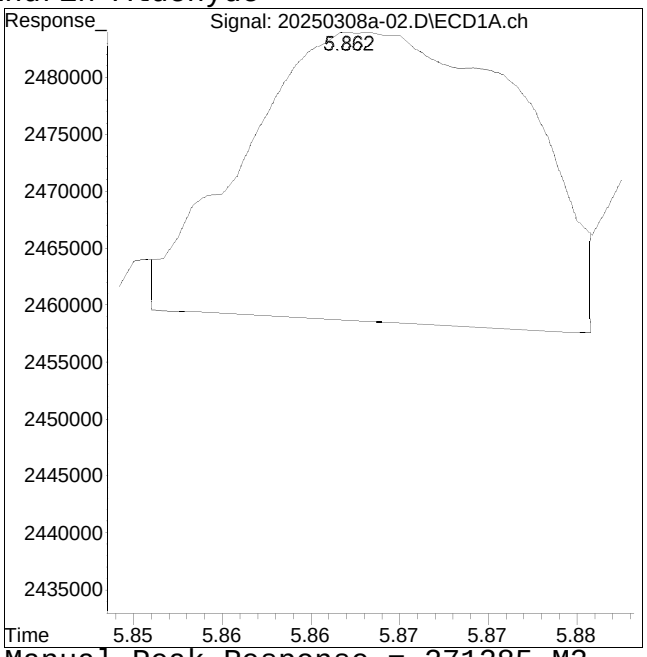
Original Peak Response = 494016131 Manual Peak Response = 495030138 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-02.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:08 Instrument : PEST 20
Sample : pem20250308a-01,42,,deg119Quant Date : 3/9/2025 12:17 pm

Compound #22: Endrin Aldehyde



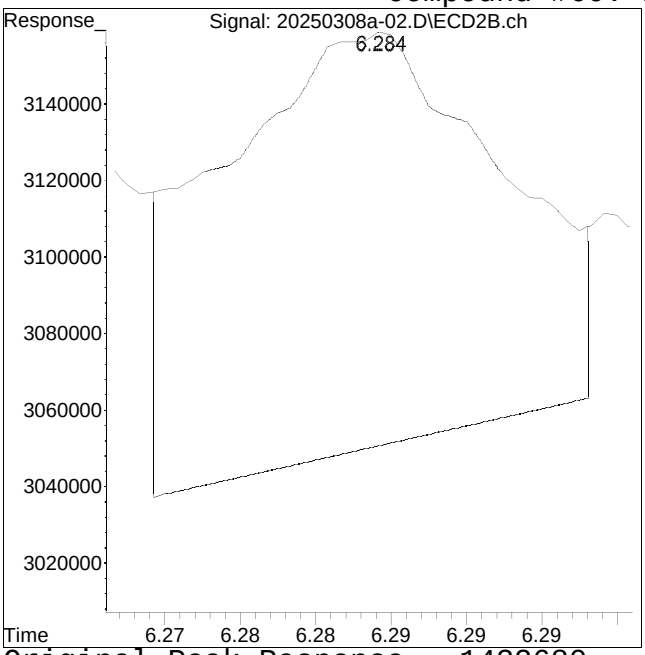


Original Peak Response = 0 Manual Peak Response = 271285 M2
M2 = Peak not found by automatic integration algorithm.

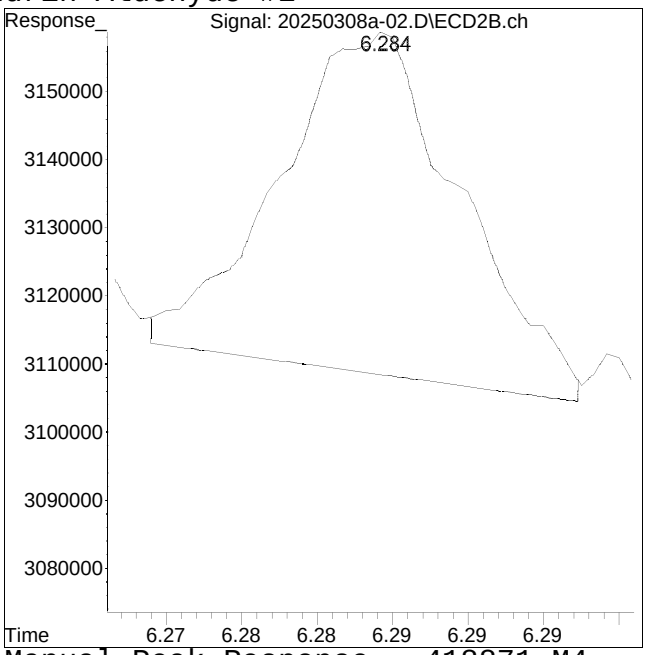
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-02.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:08 Instrument : PEST 20
Sample : pem20250308a-01,42,,deg119Quant Date : 3/9/2025 12:17 pm

Compound #60: Endrin Aldehyde #2



Original Peak Response = 1432680



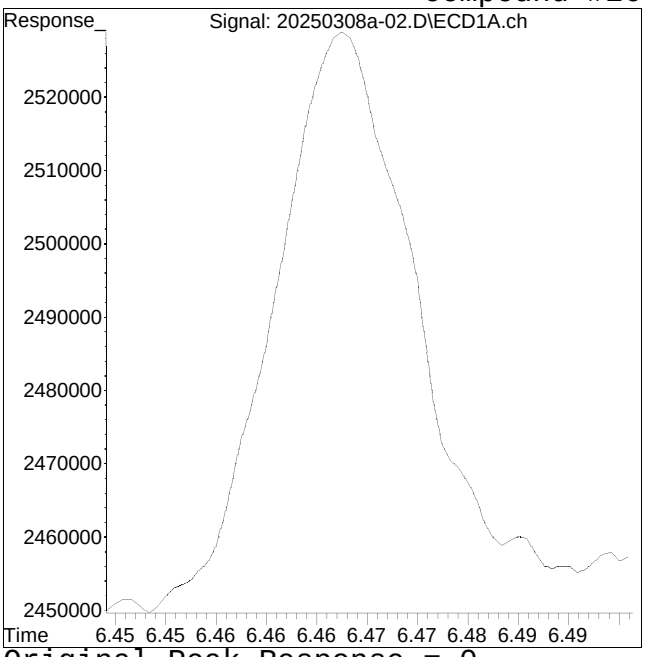
Manual Peak Response = 418871 M4

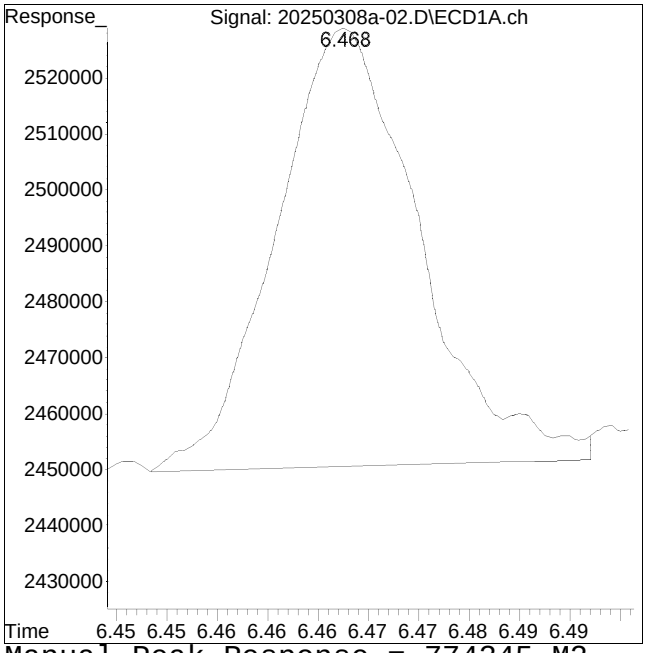
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309Q
Data File : 20250308a-02.D
Date Inj'd : 3/9/2025 11:08
Sample : pem20250308a-01,42,,deg119
Method : pest20_2025_01_03_ugL_IC
Operator : pest20:dlp
Instrument : PEST 20
Quant Date : 3/9/2025 12:17 pm

Compound #26: Endrin Ketone



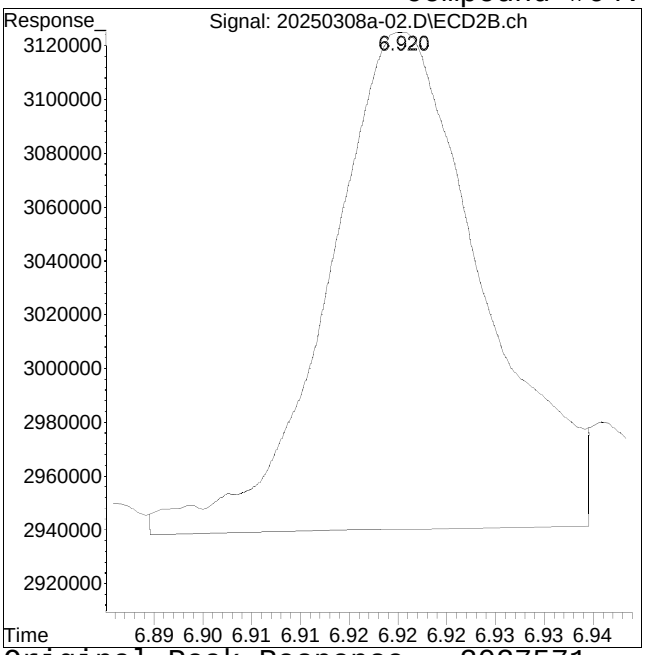


Original Peak Response = 0
Manual Peak Response = 774345 M2
M2 = Peak not found by automatic integration algorithm.

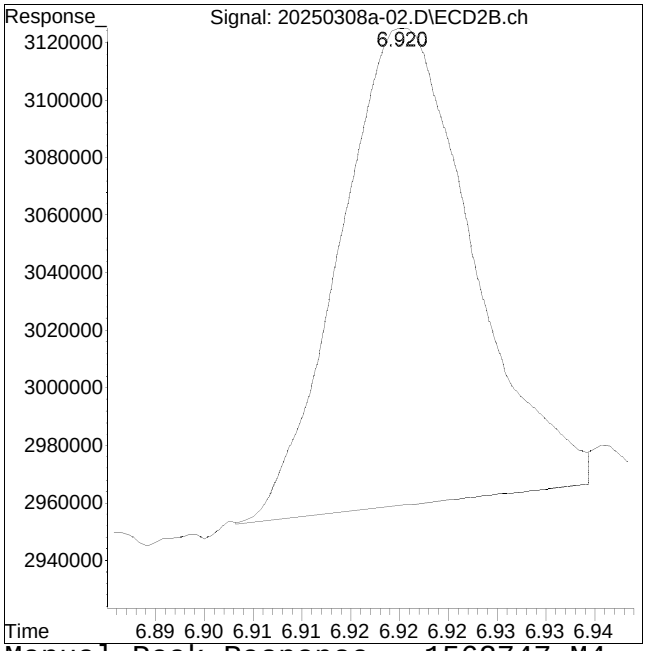
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-02.D Operator : pest20:dlp
Date Inj'd : 3/9/2025 11:08 Instrument : PEST 20
Sample : pem20250308a-01,42,,deg119Quant Date : 3/9/2025 12:17 pm

Compound #64: Endrin Ketone #2



Original Peak Response = 2027571



Manual Peak Response = 1562747 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest10\2025\250310a\
Data File : 10250310a-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Mar 2025 5:49
Operator : PEST10:akm
Sample : pem10250310a-01,42,,deg11925 (Sig #1); deg11925 (Sig #2)
Misc : wg2038433,,ical21782
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 07:05:35 2025
Quant Method : I:\PEST\Pest10\2025\250310A\pest10_2024_12_12_ugL_ical21782.m
Quant Title : pest
QLast Update : Mon Mar 10 07:05:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.316	1.355	73352542	78563903	25.000M3	25.000
	System Monitoring Compounds						
	Target Compounds						
15) t	4,4'-DDE	3.682	4.427	864124	653043	0.154M2	0.123M4
18) t	Endrin	4.237	4.883	213.0E6	236.5E6	45.599	47.911
19) t	4,4'-DDD	4.347	5.009	3093490	2795646	0.885M4	0.718M4
21) t	4,4'-DDT	4.639	5.289	280.3E6	365.2E6	84.557	86.779
22) t	Endrin Aldeh	4.894	5.385	411284	378377	0.111M2	0.100M2
26) t	Endrin Keton	5.511	6.029	1403724	1654211	0.332M3	0.347
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000

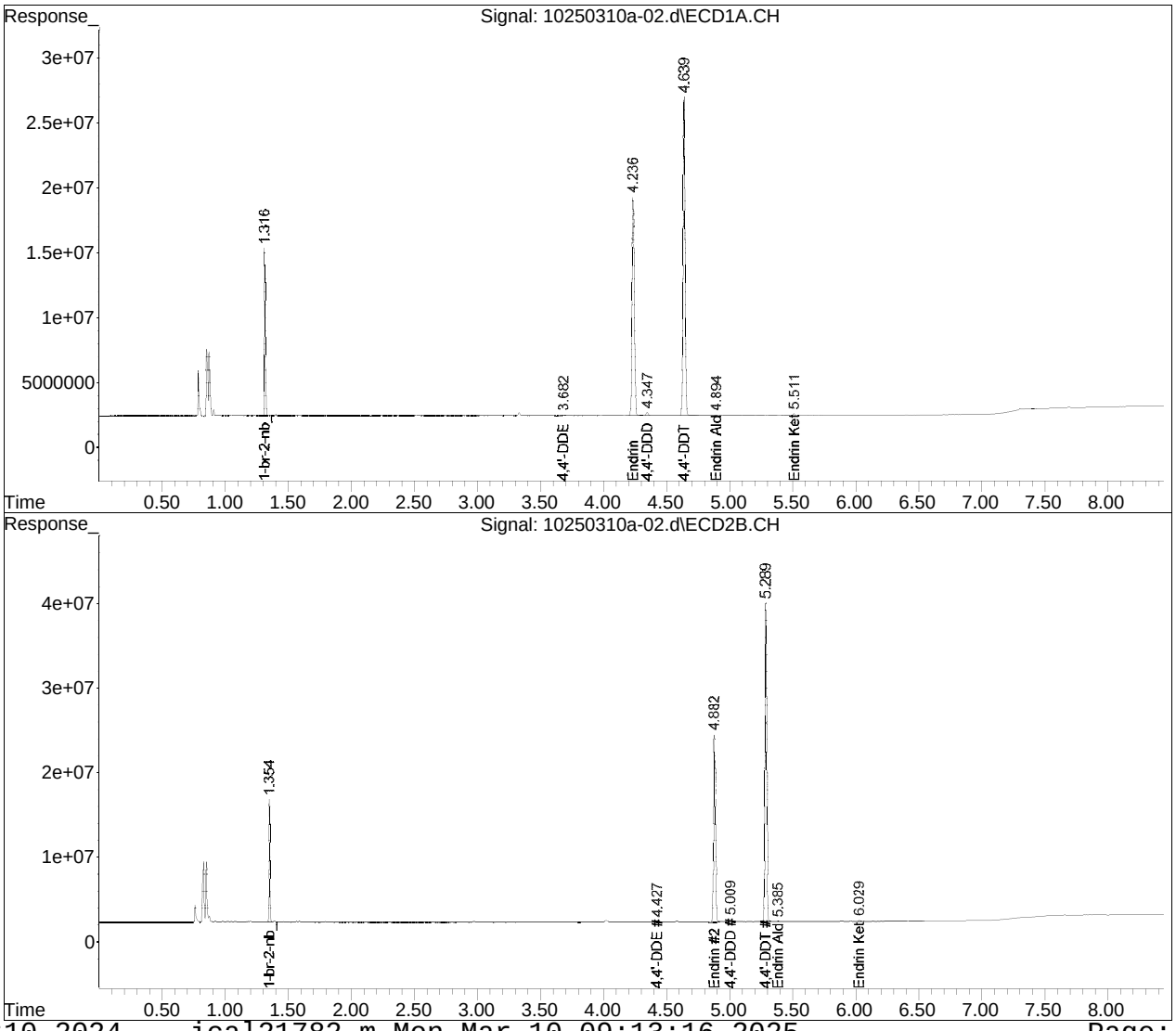
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : DEG - DDT/Endrin degradation checkiewed)

Data Path : I:\PEST\Pest10\2025\250310a\
Data File : 10250310a-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Mar 2025 5:49
Operator : PEST10:akm
Sample : pem10250310a-01,42,,deg11925 (Sig #1); deg11925 (Sig #2)
Misc : wg2038433,,ical21782
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 10 07:05:35 2025
Quant Method : I:\PEST\Pest10\2025\250310A\pest10_2024_12_12_ugL_ical21782.m
Quant Title : pest
QLast Update : Mon Mar 10 07:05:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

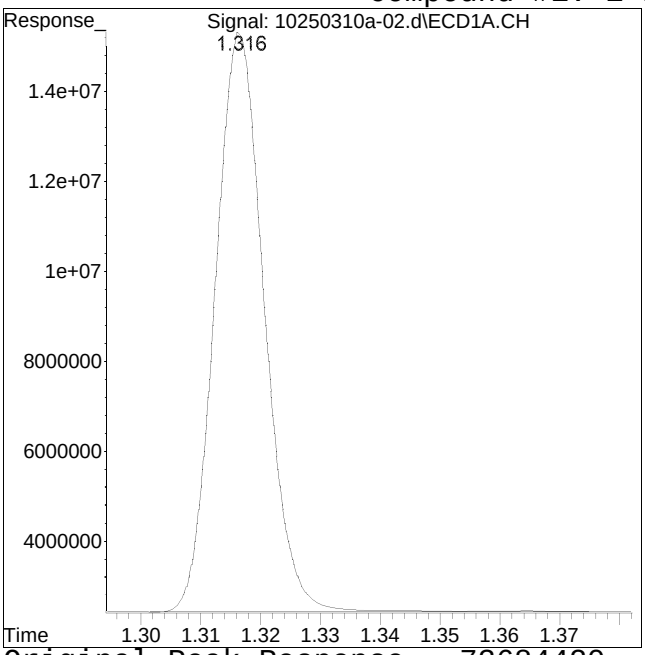
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

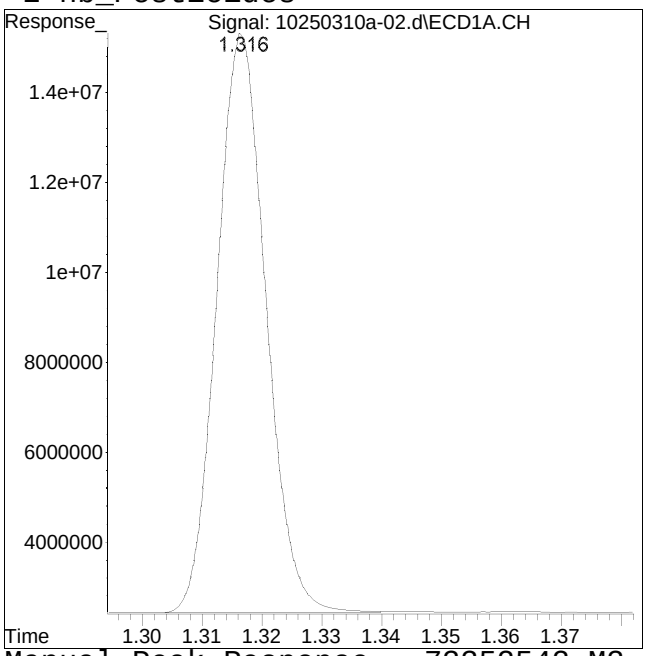


Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310Q
Data File : 10250310a-02.d
Date Inj'd : 3/10/2025 5:49
Sample : pem10250310a-01,42,,deg119
Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 3/10/2025 7:05 am

Compound #1: 1-br-2-nb_Pesticides



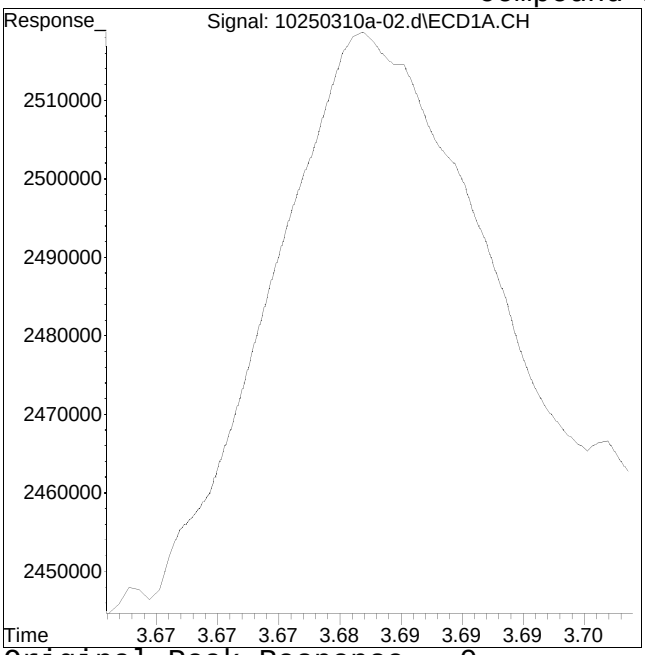


Original Peak Response = 73684420 Manual Peak Response = 73352542 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

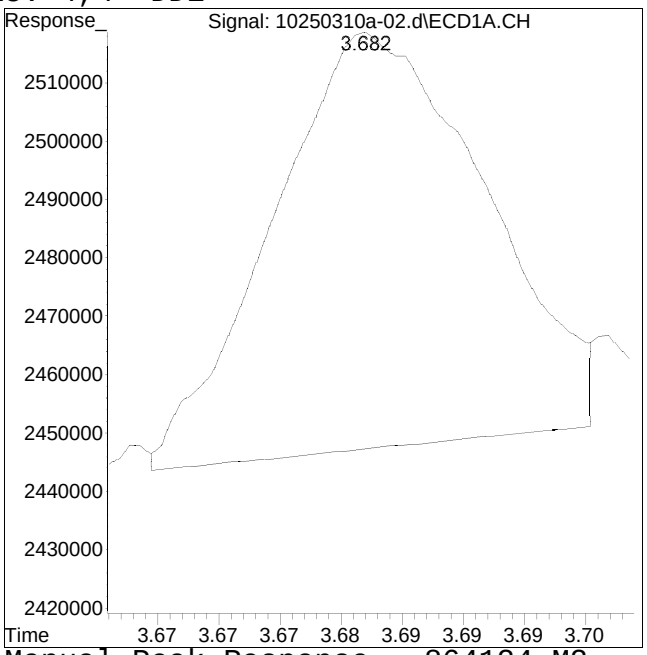
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310QMethod : pest10_2024_12_12_ugL_ic
Data File : 10250310a-02.d Operator : PEST10:akm
Date Inj'd : 3/10/2025 5:49 Instrument : Pest 10
Sample : pem10250310a-01,42,,deg119Quant Date : 3/10/2025 7:05 am

Compound #15: 4,4'-DDE



Original Peak Response = 0



Manual Peak Response = 864124 M2

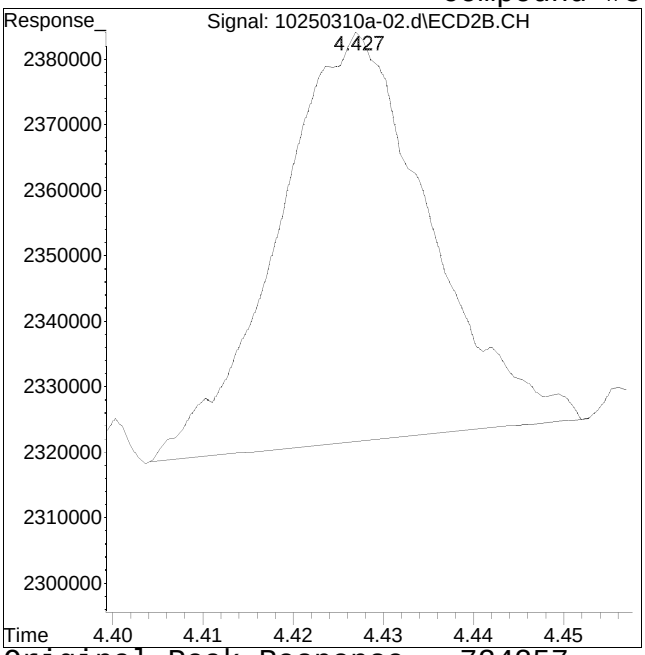
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

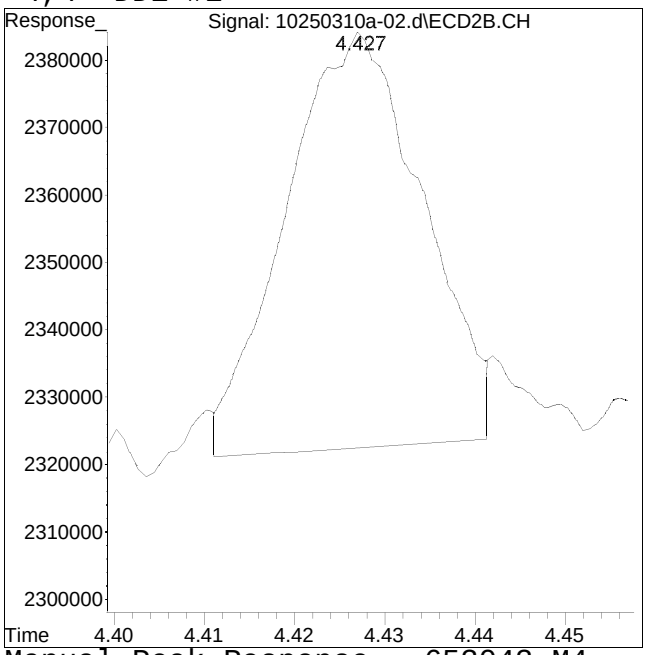
Data Path : I:\PEST\Pest10\2025\250310Q
Data File : 10250310a-02.d
Date Inj'd : 3/10/2025 5:49
Sample : pem10250310a-01,42,,deg119

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 3/10/2025 7:05 am

Compound #53: 4,4'-DDE #2



Original Peak Response = 724257



Manual Peak Response = 653043 M4

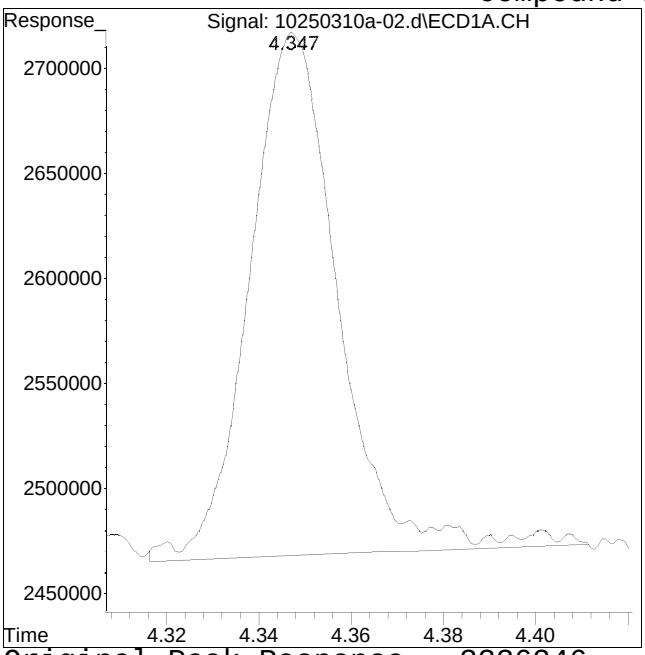
M4 = Poor automated baseline construction.

Manual Integration Report

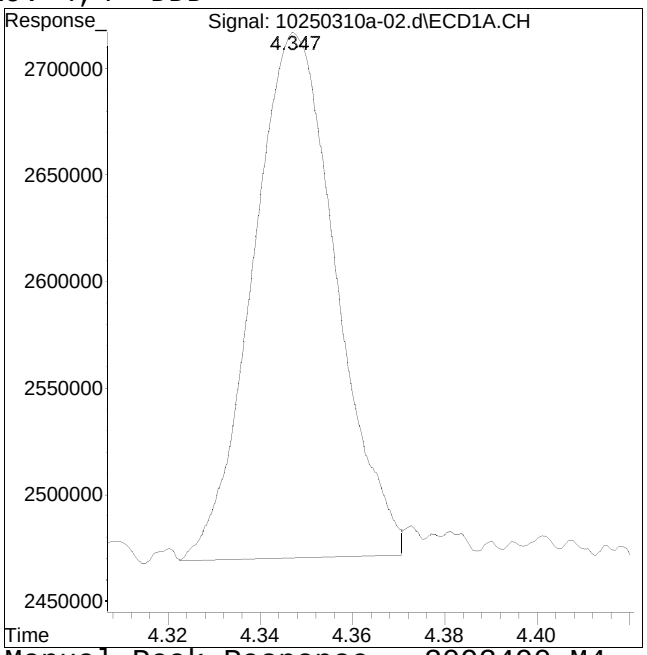
Data Path : I:\PEST\Pest10\2025\250310Q
Data File : 10250310a-02.d
Date Inj'd : 3/10/2025 5:49
Sample : pem10250310a-01,42,,deg119

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 3/10/2025 7:05 am

Compound #19: 4,4'-DDD



Original Peak Response = 3336246



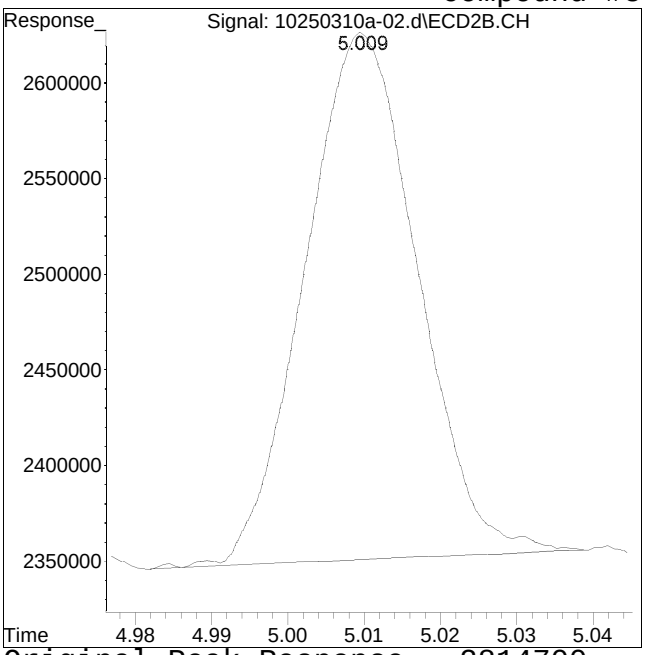
Manual Peak Response = 3093490 M4

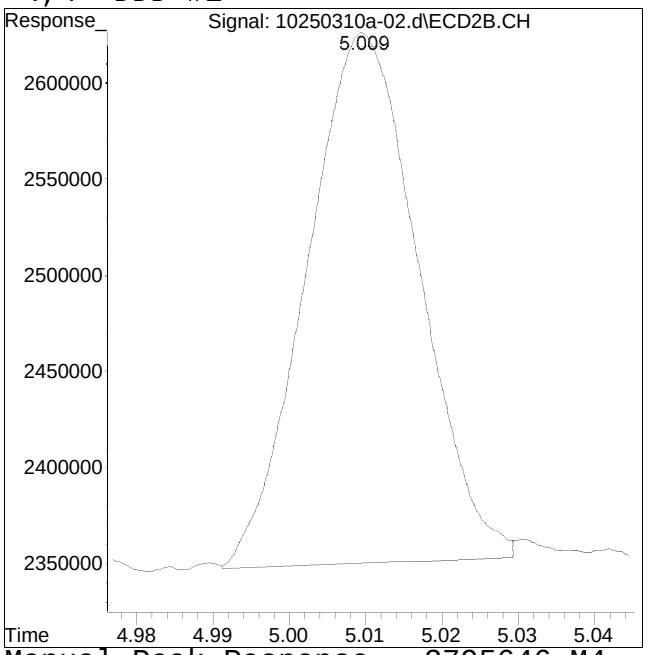
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310QMethod : pest10_2024_12_12_ugL_ic
Data File : 10250310a-02.d Operator : PEST10:akm
Date Inj'd : 3/10/2025 5:49 Instrument : Pest 10
Sample : pem10250310a-01,42,,deg119Quant Date : 3/10/2025 7:05 am

Compound #57: 4,4'-DDD #2





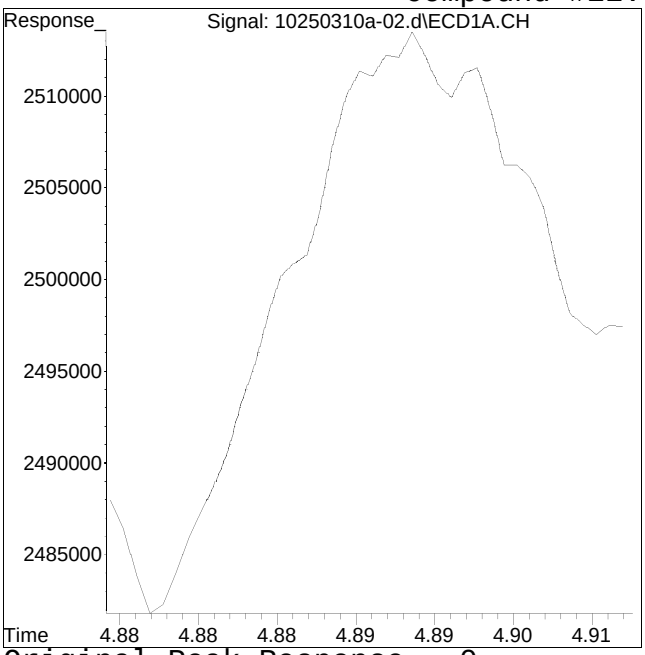
Original Peak Response = 2814700 Manual Peak Response = 2795646 M4
M4 = Poor automated baseline construction.

Manual Integration Report

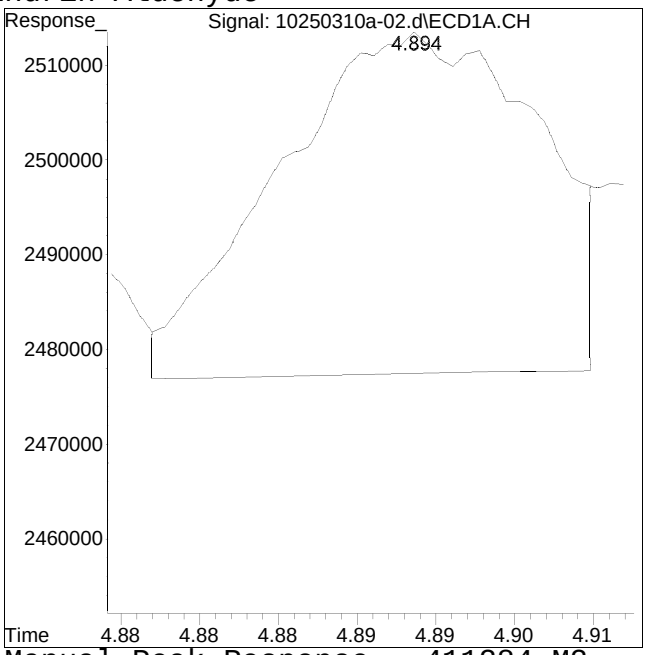
Data Path : I:\PEST\Pest10\2025\250310Q
Data File : 10250310a-02.d
Date Inj'd : 3/10/2025 5:49
Sample : pem10250310a-01,42,,deg119

Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 3/10/2025 7:05 am

Compound #22: Endrin Aldehyde



Original Peak Response = 0



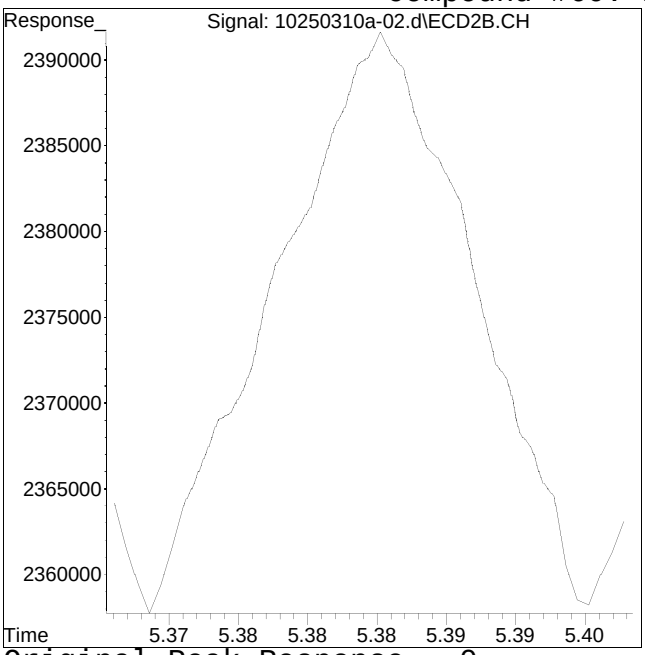
Manual Peak Response = 411284 M2

M2 = Peak not found by automatic integration algorithm.

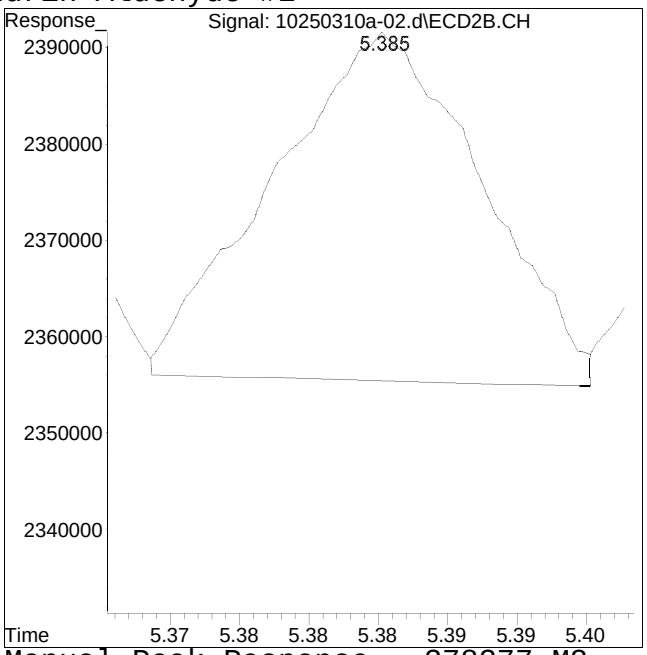
Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310Q
Data File : 10250310a-02.d
Date Inj'd : 3/10/2025 5:49
Sample : pem10250310a-01,42,,deg119
Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 3/10/2025 7:05 am

Compound #60: Endrin Aldehyde #2



Original Peak Response = 0



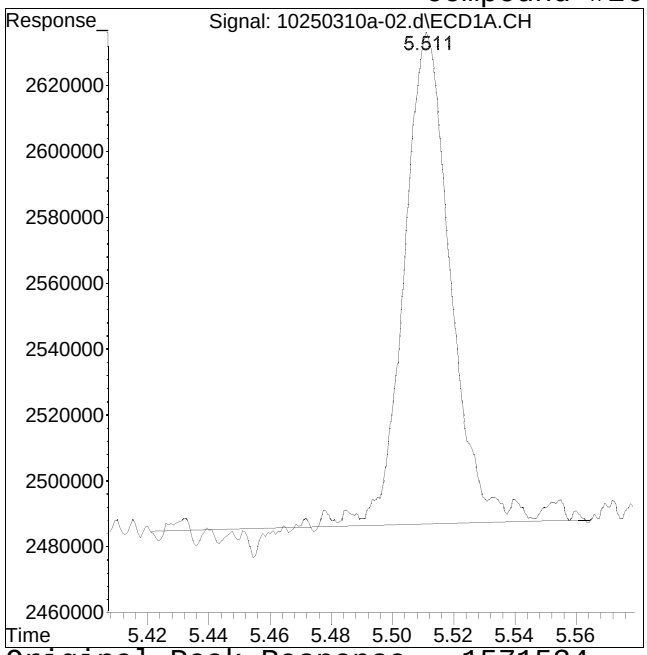
Manual Peak Response = 378377 M2

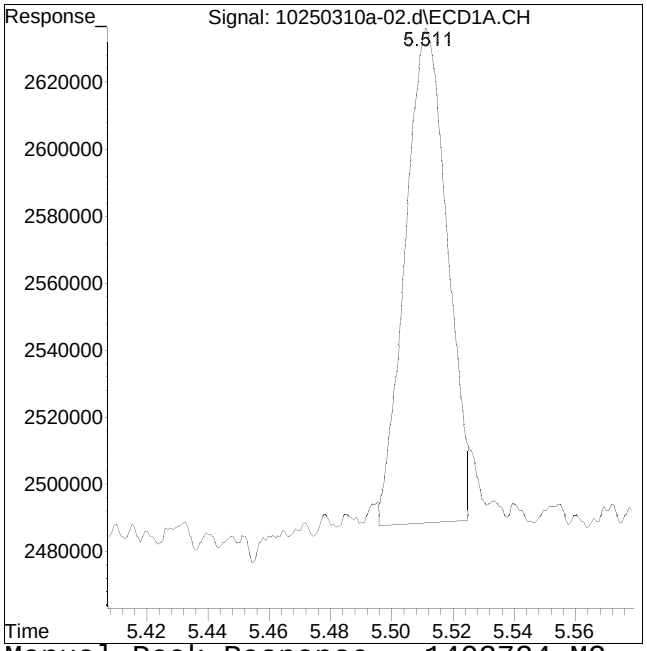
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest10\2025\250310Q
Data File : 10250310a-02.d
Date Inj'd : 3/10/2025 5:49
Sample : pem10250310a-01,42,,deg119
Method : pest10_2024_12_12_ugL_ic
Operator : PEST10:akm
Instrument : Pest 10
Quant Date : 3/10/2025 7:05 am

Compound #26: Endrin Ketone





Original Peak Response = 1571534 Manual Peak Response = 1403724 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

RT Shift Summary

Identification Summary
Form 10
Pesticides

Client	: P. W. Grosser	**Lab Number**	: L2512368
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab Sample ID	: L2512368-01		
Client ID	: 5A		
Date Analyzed (1)	: 03/10/25 09:08	**Date Analyzed (2)**	: 03/10/25 09:08
Instrument ID (1)	: PEST10	**Instrument ID (2)**	: PEST10
GC Column (1)	: CLPPesticides	**GC Column (2)**	: CLPPesticides

			RT Window			
Analyte	**Col**	**RT**	**From**	**To**	**Concentration**	**RPD**
Heptachlor	1	2.53	2.48	2.58	0.0137J	
	2	2.91	2.86	2.96	0.0135J	NC
Heptachlor Epoxide	1	3.32	3.27	3.37	0.00571J	
	2	3.83	3.78	3.88	0.00936J	NC
Endosulfan I	1	3.72	3.67	3.77	0.00817J	
	2	4.29	4.24	4.34	0.0084J	NC

Pesticides Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 7:25
Operator : PEST11:peg
Sample : WG2037965-1,42,, rvt
Misc : wg2038031,WG2037965,ical21853
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 12:15:21 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:00:56 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2025\250308A\11250308a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.293	1.370	355.7E6	210.9E6	25.000M4	25.000M4
	Standard Area 1 : #1 = 378270952				Recovery =	94.03%	
	Standard Area 1 : #2 = 220505210				Recovery =	95.64%	
28) i	1-br-2-nb_Ch	1.293	1.370	355.7E6	210.9E6	25.000M4	25.000M4
33) i	1-br-2-nb_To	1.293	1.370	355.7E6	210.9E6	25.000M4	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.640	1.856	825.6E6	396.0E6	47.815M4	44.952M4
	Spiked Amount	50.000	Range 30 - 150		Recovery =	95.63%	89.90%
27) s	Decachlorobi	6.307	6.965	697.9E6	270.1E6	42.654M4	34.745M4
	Spiked Amount	50.000	Range 30 - 150		Recovery =	85.31%	69.49%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 7:25
Operator : PEST11:peg
Sample : WG2037965-1,42,, rvt
Misc : wg2038031,WG2037965,ical21853
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 12:15:21 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:00:56 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2025\250308A\11250308a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

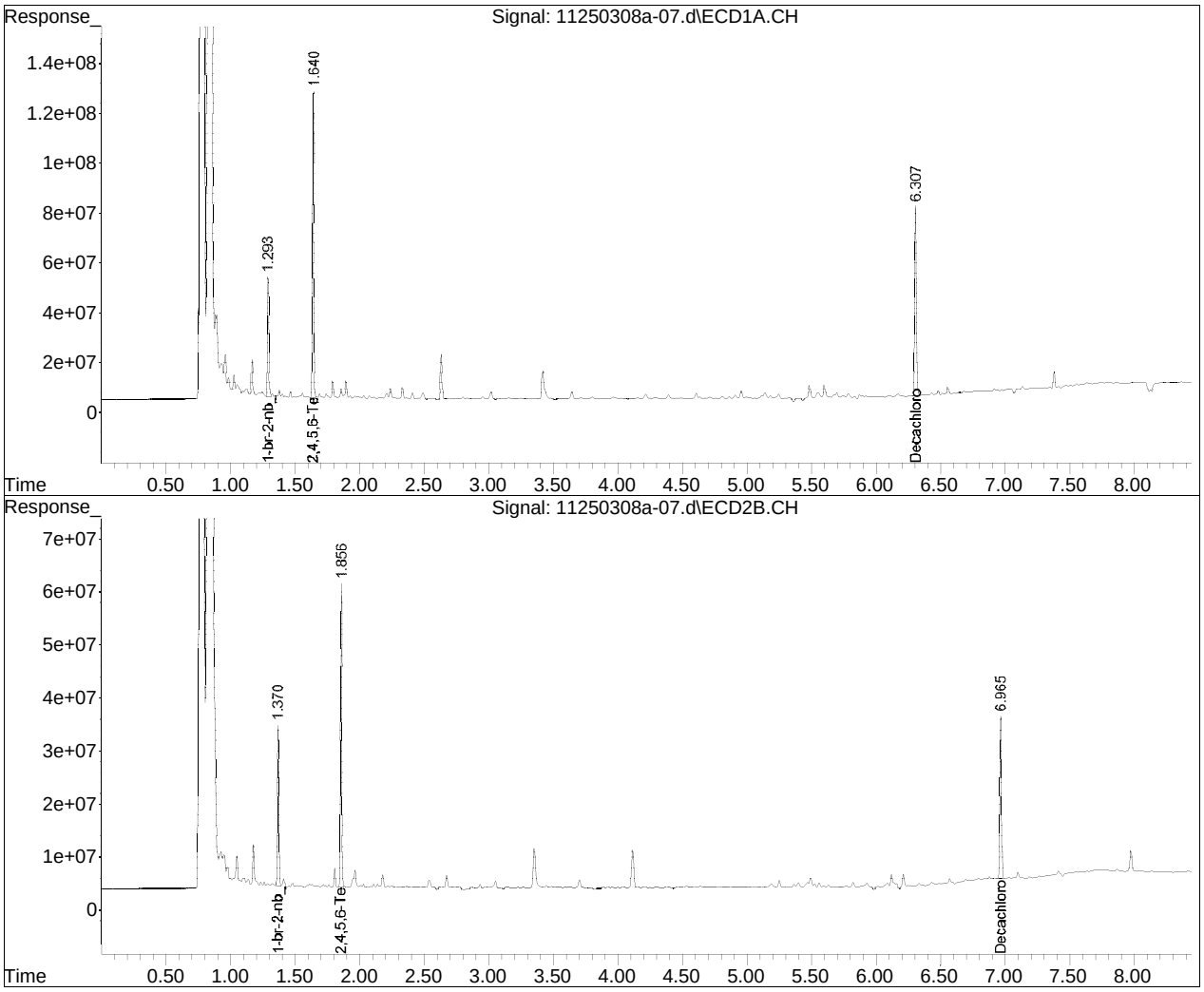
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\11250308a-03.d•

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 7:25
Operator : PEST11:peg
Sample : WG2037965-1,42,, rvt
Misc : wg2038031,WG2037965,ical21853
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 12:15:21 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:00:56 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

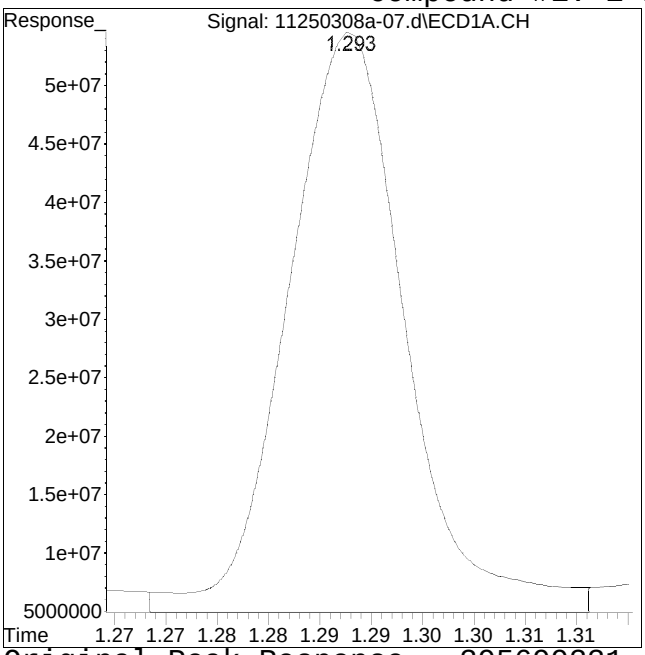
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

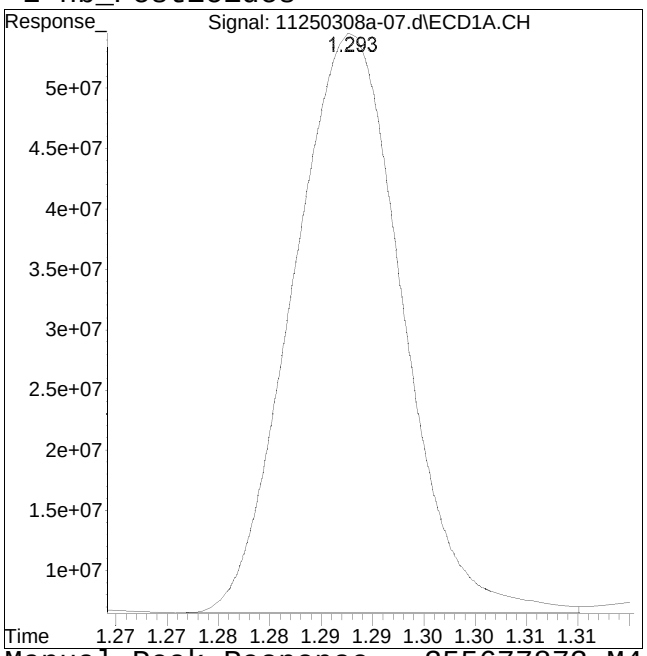


Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-07.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:25 Instrument : Pest 11
Sample : WG2037965-1,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #1: 1-br-2-nb_Pesticides



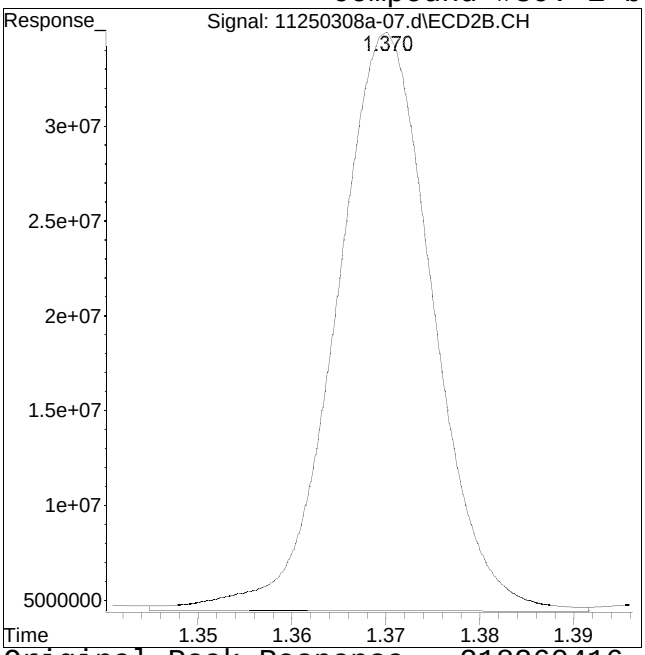


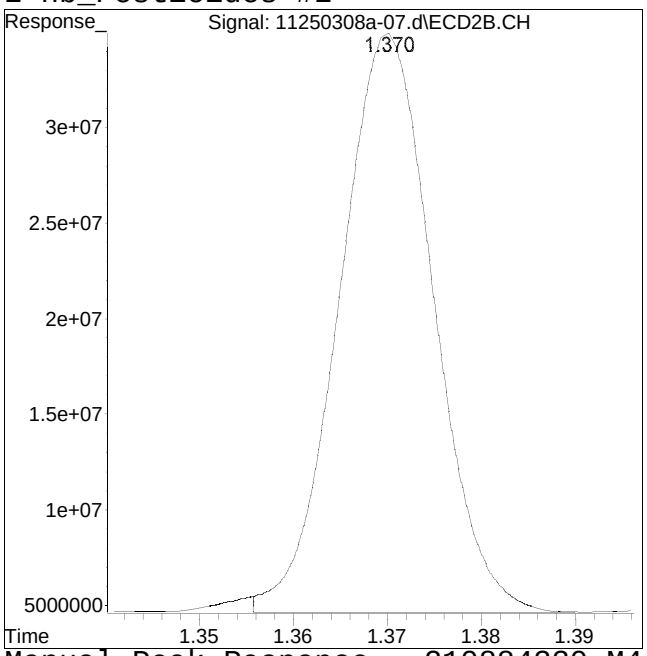
Original Peak Response = 395699331 Manual Peak Response = 355677873 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-07.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:25 Instrument : Pest 11
Sample : WG2037965-1,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #39: 1-br-2-nb_Pesticides #2



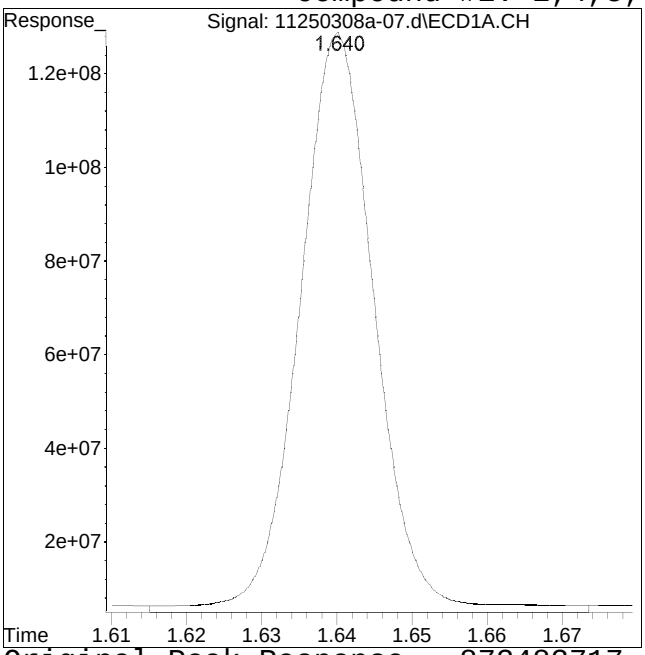


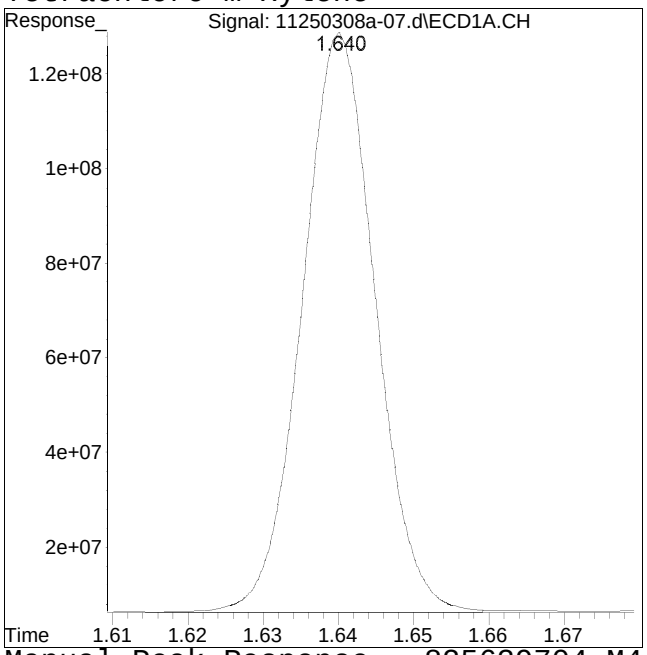
Original Peak Response = 218260416 Manual Peak Response = 210884330 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-07.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:25 Instrument : Pest 11
Sample : WG2037965-1,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



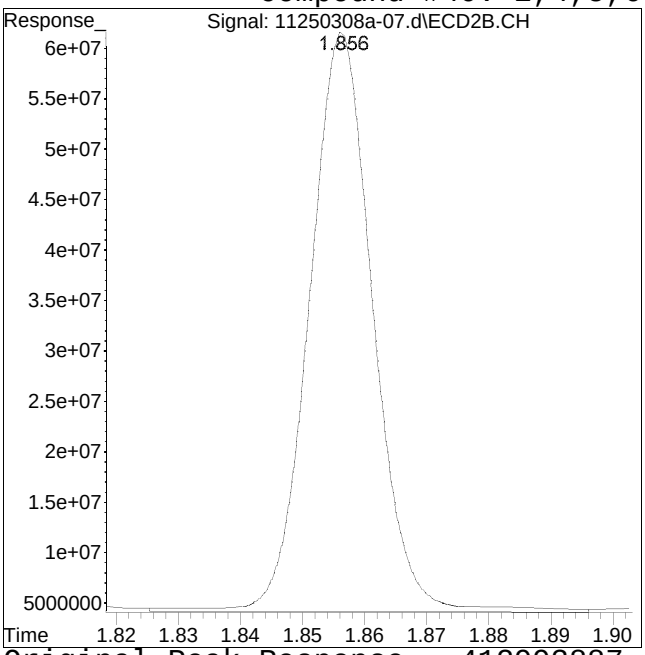


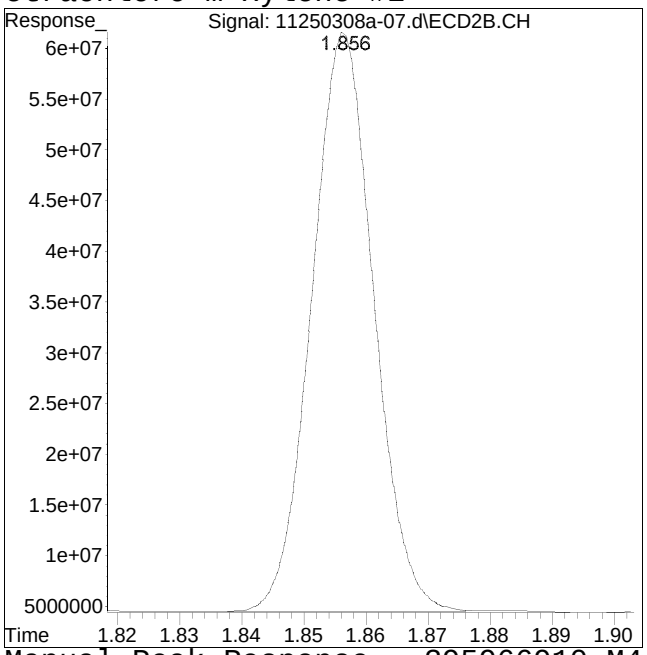
Original Peak Response = 873483717 Manual Peak Response = 825639704 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-07.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:25 Instrument : Pest 11
Sample : WG2037965-1,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



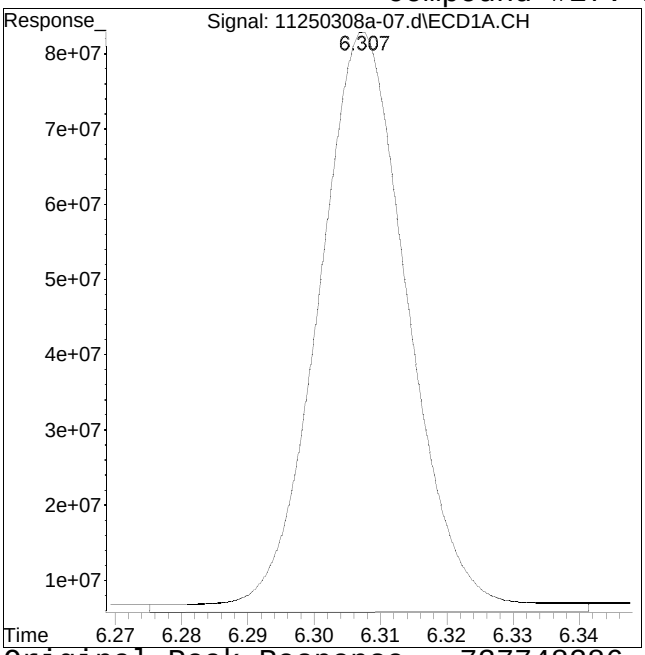


Original Peak Response = 412993887 Manual Peak Response = 395966910 M4
M4 = Poor automated baseline construction.

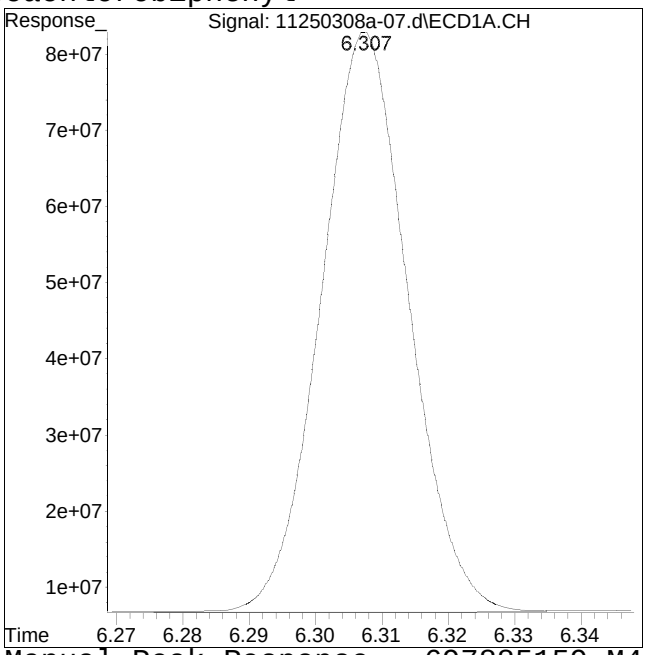
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-07.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:25 Instrument : Pest 11
Sample : WG2037965-1,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #27: Decachlorobiphenyl



Original Peak Response = 737748386



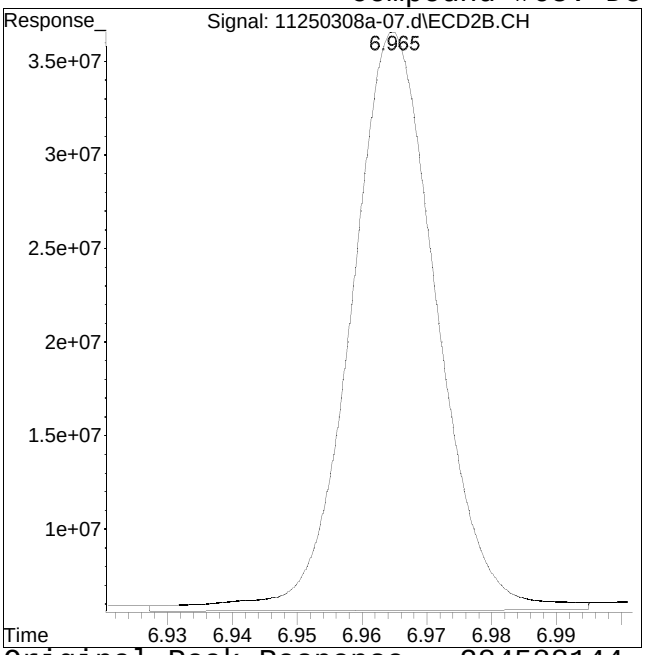
Manual Peak Response = 697885159 M4

M4 = Poor automated baseline construction.

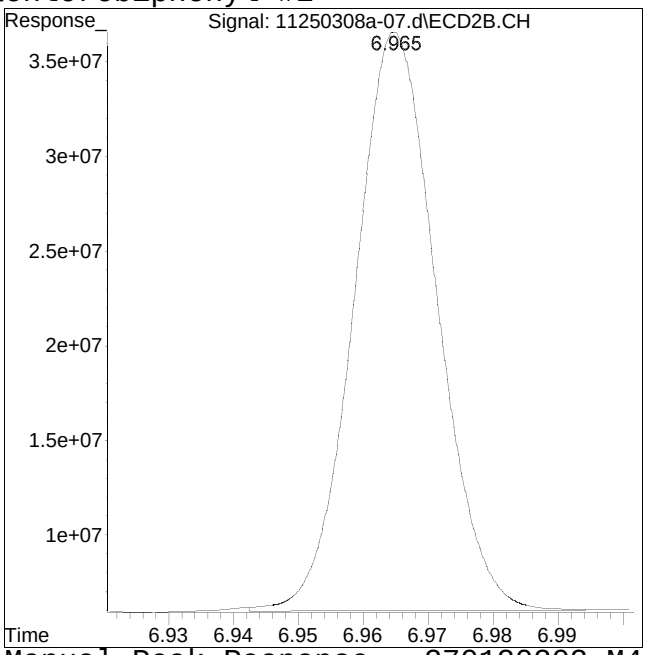
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-07.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:25 Instrument : Pest 11
Sample : WG2037965-1,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 284588144

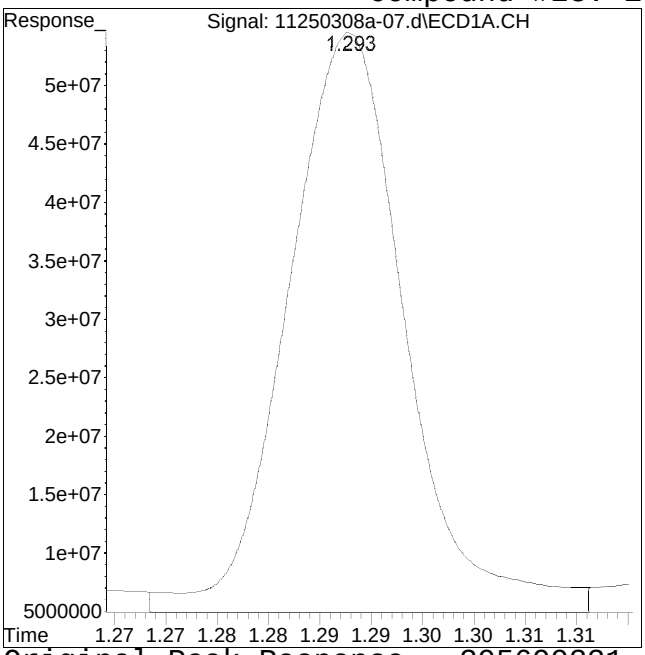


Manual Peak Response = 270120202 M4
M4 = Poor automated baseline construction.

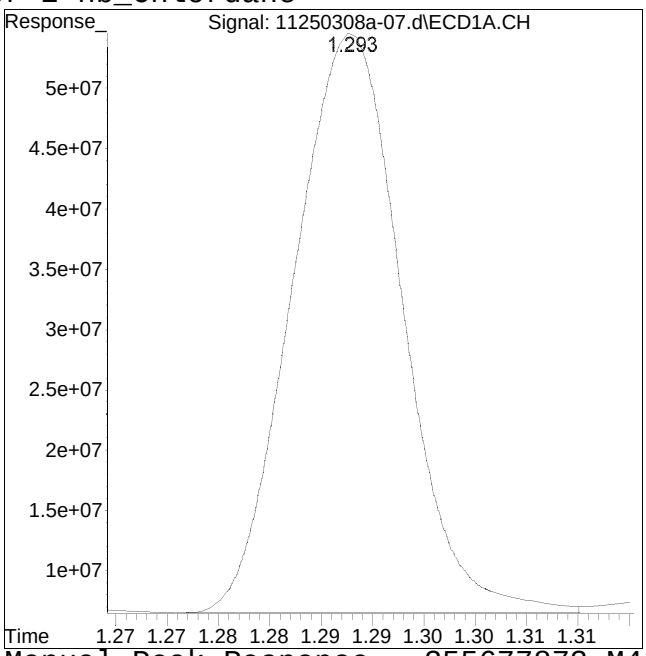
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-07.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:25 Instrument : Pest 11
Sample : WG2037965-1,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 395699331



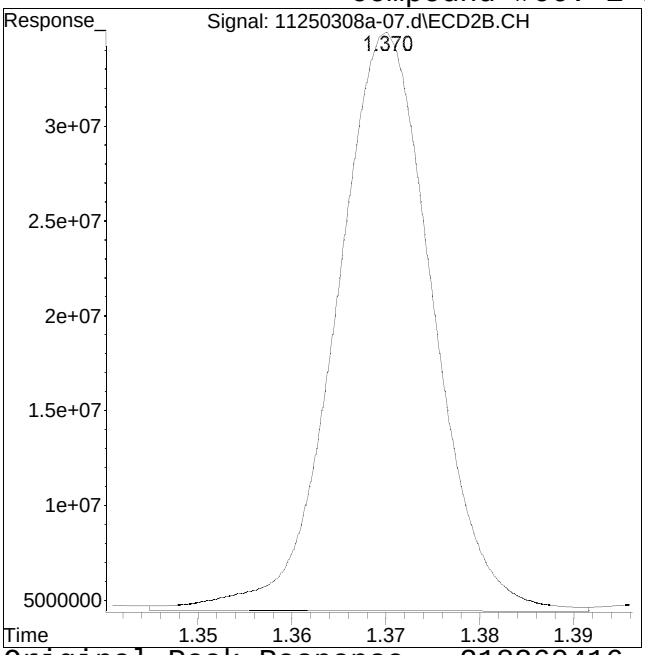
Manual Peak Response = 355677873 M4

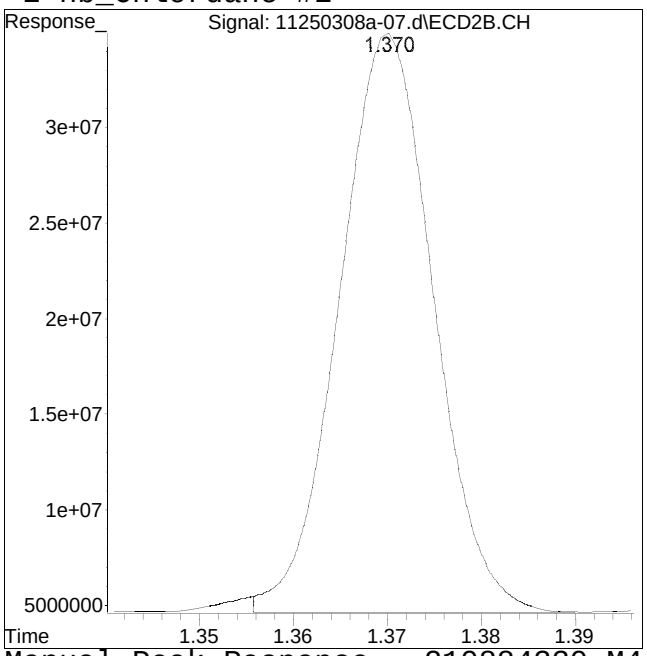
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-07.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:25 Instrument : Pest 11
Sample : WG2037965-1,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #66: 1-br-2-nb_Chlordane #2



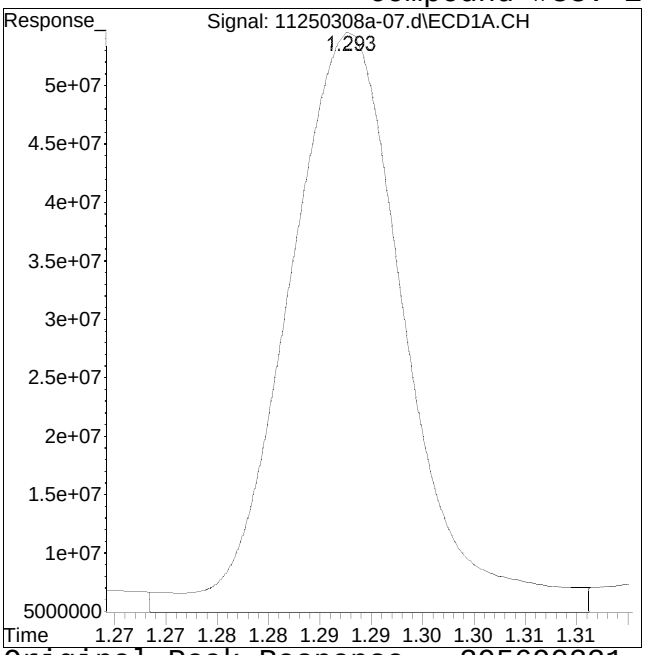


Original Peak Response = 218260416 Manual Peak Response = 210884330 M4
M4 = Poor automated baseline construction.

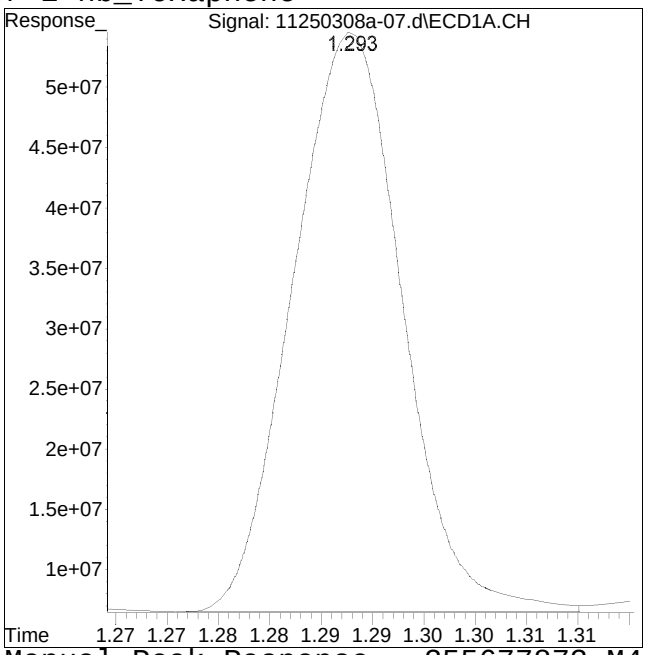
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-07.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:25 Instrument : Pest 11
Sample : WG2037965-1,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 395699331



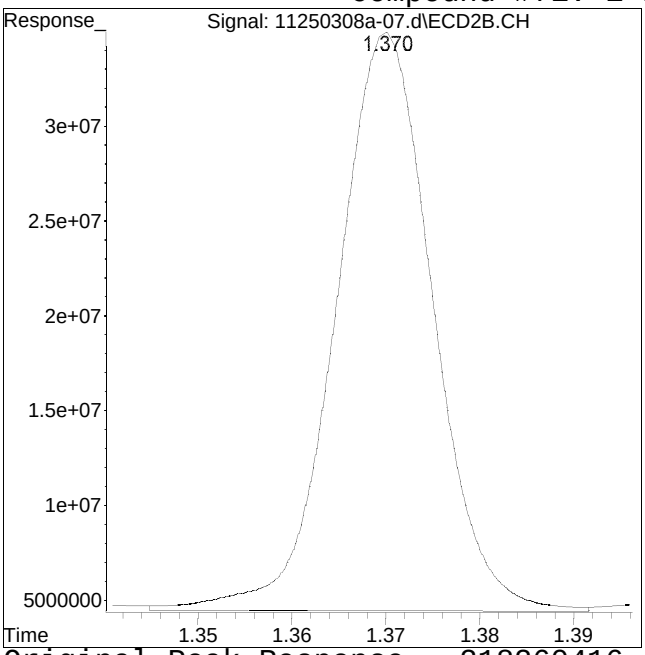
Manual Peak Response = 355677873 M4

M4 = Poor automated baseline construction.

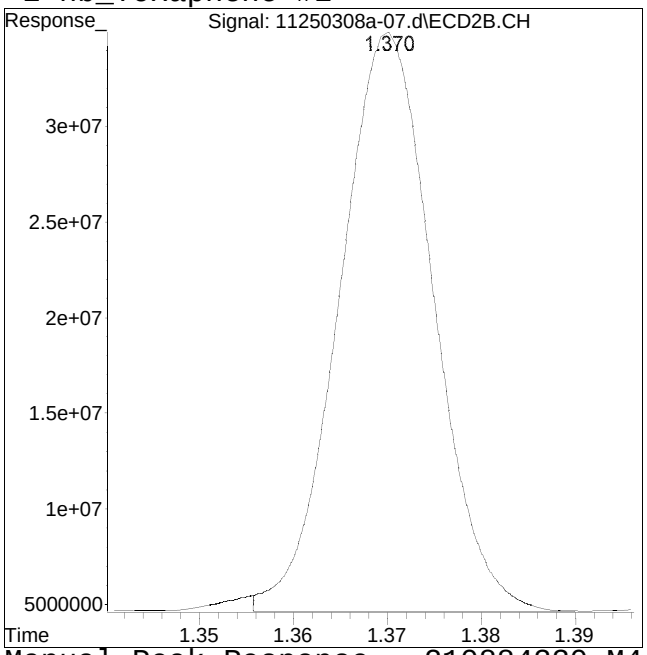
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-07.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:25 Instrument : Pest 11
Sample : WG2037965-1,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #71: 1-br-2-nb_Toxaphene #2



Original Peak Response = 218260416



Manual Peak Response = 210884330 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250309a\
Data File : 20250308a-09.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Mar 2025 13:02
Operator : pest20:akm
Sample : WG2038216-1,42,,
Misc : WG2038287,WG2038216,ical21840 (Sig #1); WG2038287,WG2038040,ical21840 (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 10 10:39:17 2025
Quant Method : I:\PEST\Pest20\2025\250309a\pest20_2025_01_03_ugL_ICAL21840.m
Quant Title : pest
QLast Update : Sun Mar 09 12:40:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest20\2025\250309a\20250308a-03.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.901	1.947	90369589	138.9E6	25.000M4	25.000M4
	Standard Area 1 : #1 = 101648590				Recovery =	88.90%	
	Standard Area 1 : #2 = 148895152				Recovery =	93.30%	
28) i	1-br-2-nb_Ch	1.901	1.947	90369589	138.9E6	25.000M4	25.000M4
33) i	1-br-2-nb_To	1.901	1.947	90369589	138.9E6	25.000M4	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	2.374	2.548	154.9E6	217.2E6	36.517M4	35.078M3
	Spiked Amount 50.000	Range 30 - 150			Recovery =	73.03%	70.16%
27) s	Decachlorobi	7.275f	7.829f	153.4E6	204.5E6	43.158M4	39.694M2
	Spiked Amount 50.000	Range 30 - 150			Recovery =	86.32%	79.39%
Target Compounds							
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest20\2025\250309a\
Data File : 20250308a-09.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Mar 2025 13:02
Operator : pest20:akm
Sample : WG2038216-1,42,,
Misc : WG2038287,WG2038216,ical21840 (Sig #1); WG2038287,WG2038040,ical21840 (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 10 10:39:17 2025
Quant Method : I:\PEST\Pest20\2025\250309a\pest20_2025_01_03_ugL_ICAL21840.m
Quant Title : pest
QLast Update : Sun Mar 09 12:40:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest20\2025\250309a\20250308a-03.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D.	N.D.
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D.	N.D.
35) l2	toxaphene-2	0.000	0.000	0	0	N.D.	N.D.
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250309a\
Data File : 20250308a-09.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Mar 2025 13:02
Operator : pest20:akm
Sample : WG2038216-1,42,,
Misc : WG2038287,WG2038216,ical21840 (Sig #1); WG2038287,WG2038040,ical21840 (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 10 10:39:17 2025
Quant Method : I:\PEST\Pest20\2025\250309a\pest20_2025_01_03_ugL_ICAL21840.m
Quant Title : pest
QLast Update : Sun Mar 09 12:40:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest20\2025\250309a\20250308a-03.D
Sub List : Default - All compounds listed

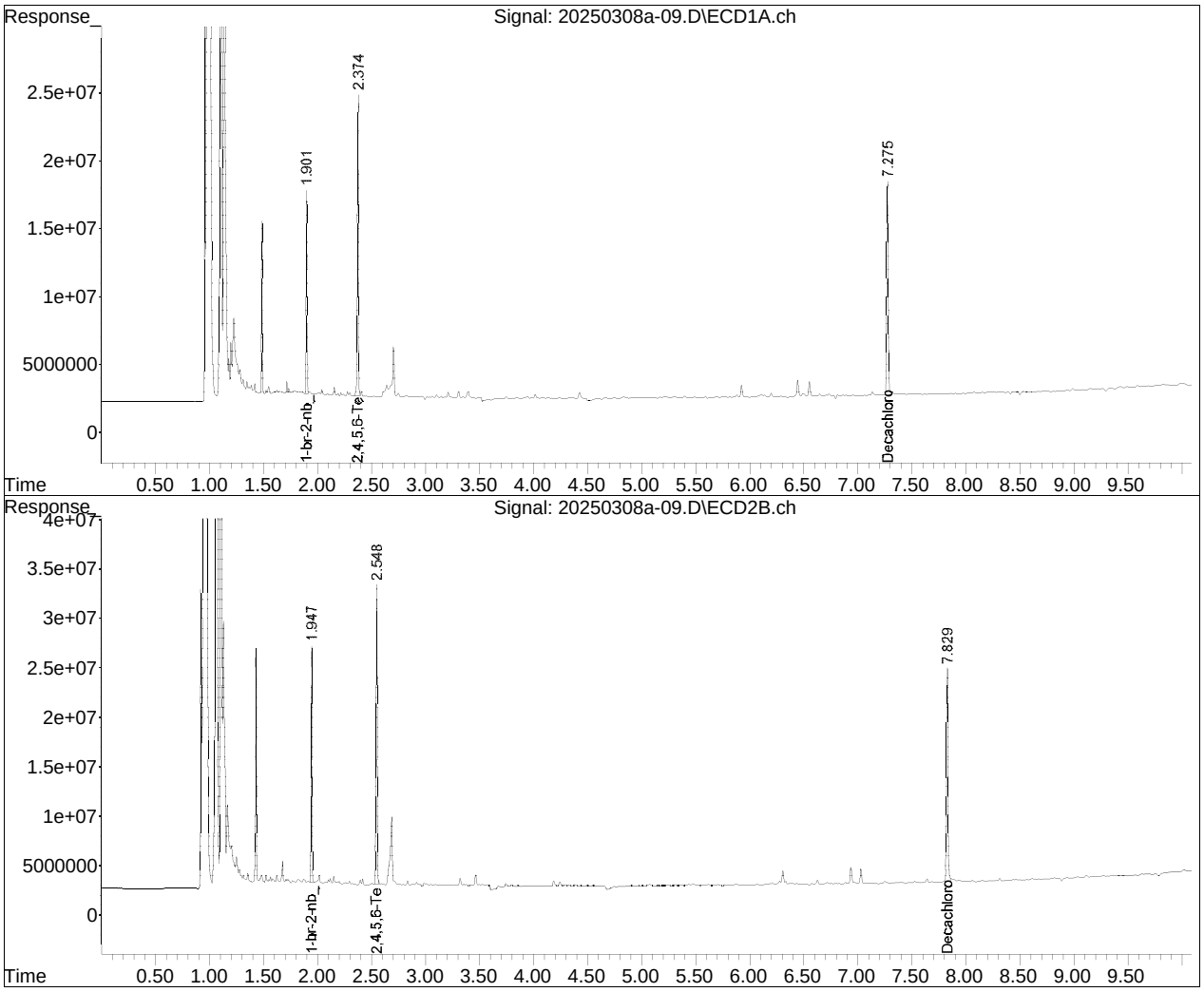
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Sub List : Default - All compounds listeda\20250308a-03.D•

Data Path : I:\PEST\Pest20\2025\250309a\
Data File : 20250308a-09.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Mar 2025 13:02
Operator : pest20:akm
Sample : WG2038216-1,42,,
Misc : WG2038287,WG2038216,ical21840 (Sig #1); WG2038287,WG2038040,ical21
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 10 10:39:17 2025
Quant Method : I:\PEST\Pest20\2025\250309a\pest20_2025_01_03_ugL_ICAL21840.m
Quant Title : pest
QLast Update : Sun Mar 09 12:40:15 2025
Response via : Initial Calibration
Integrator: ChemStation

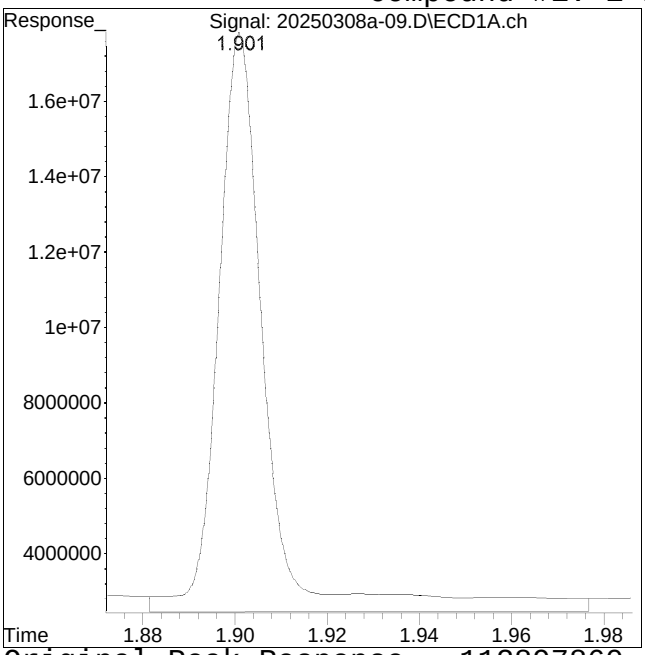
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



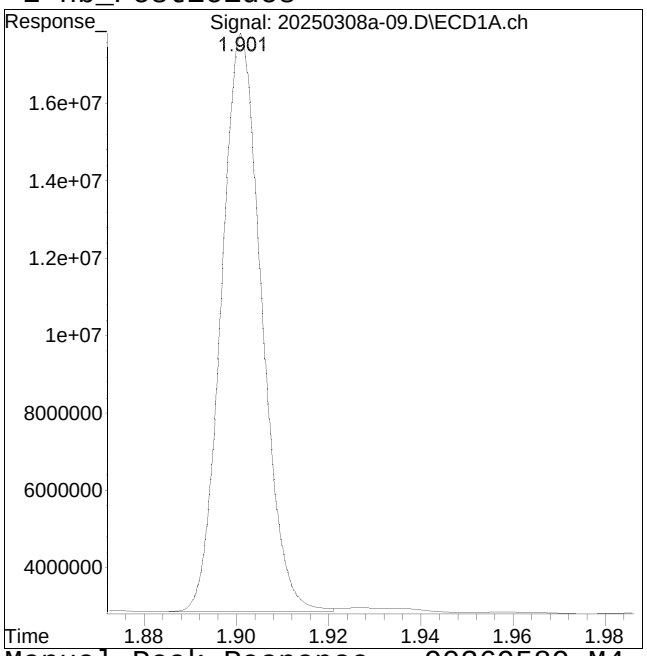
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-09.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:02 Instrument : PEST 20
Sample : WG2038216-1,42,, Quant Date : 3/10/2025 10:39 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 112897860



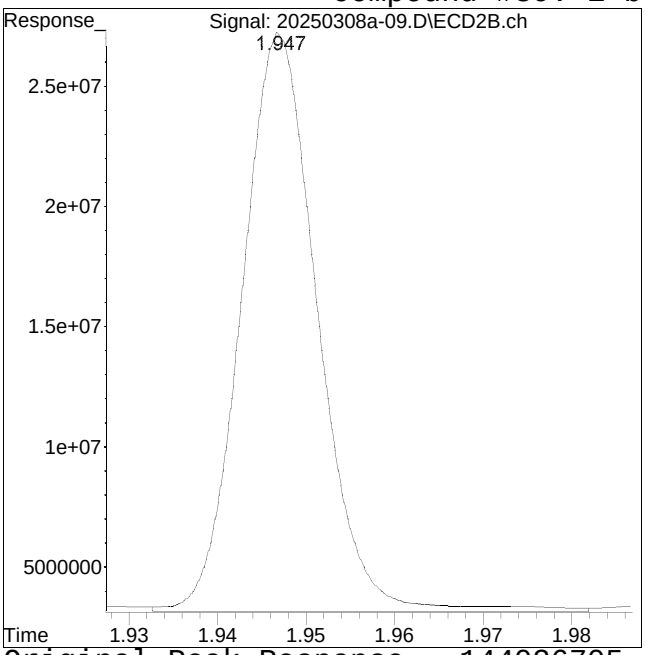
Manual Peak Response = 90369589 M4

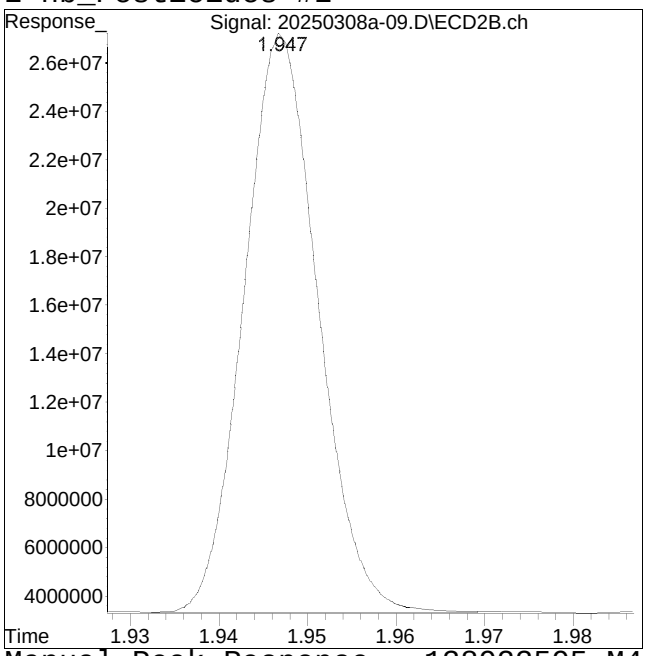
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-09.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:02 Instrument : PEST 20
Sample : WG2038216-1,42,, Quant Date : 3/10/2025 10:39 am

Compound #39: 1-br-2-nb_Pesticides #2



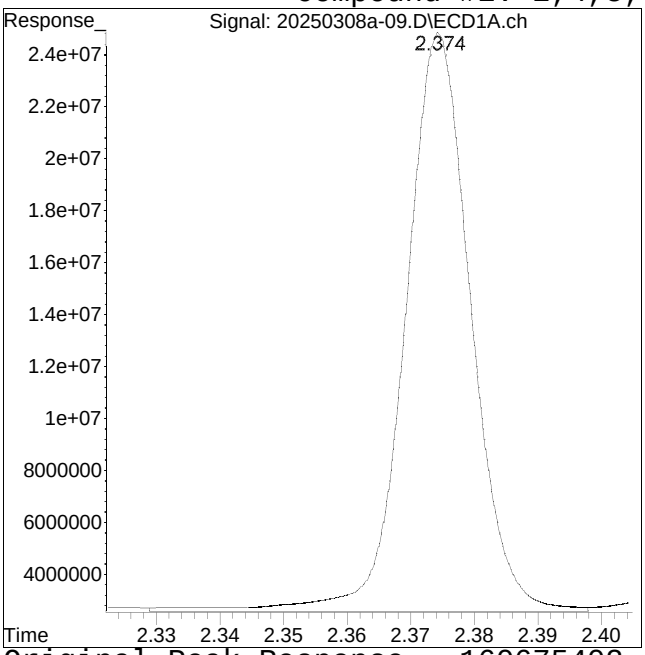


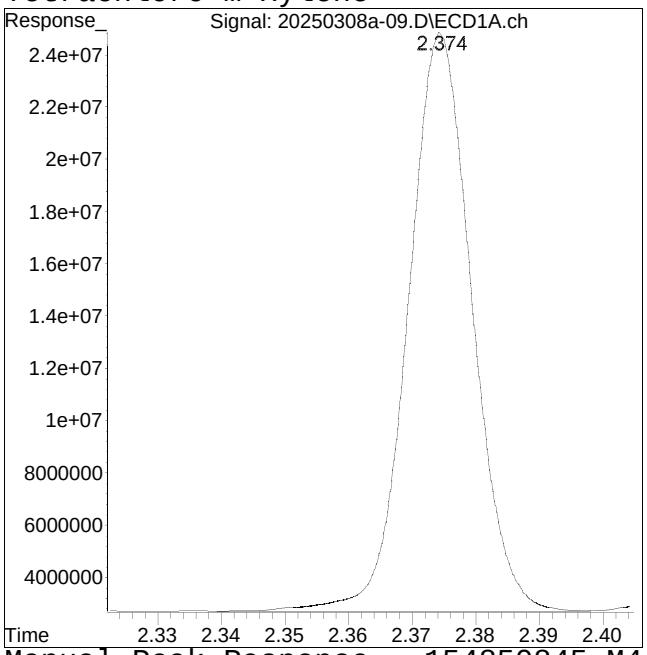
Original Peak Response = 144026705 Manual Peak Response = 138923595 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-09.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:02 Instrument : PEST 20
Sample : WG2038216-1,42,, Quant Date : 3/10/2025 10:39 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



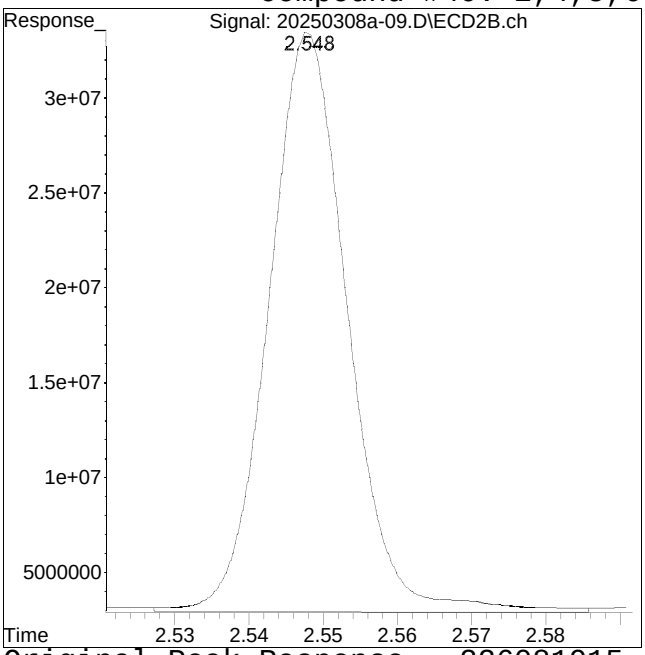


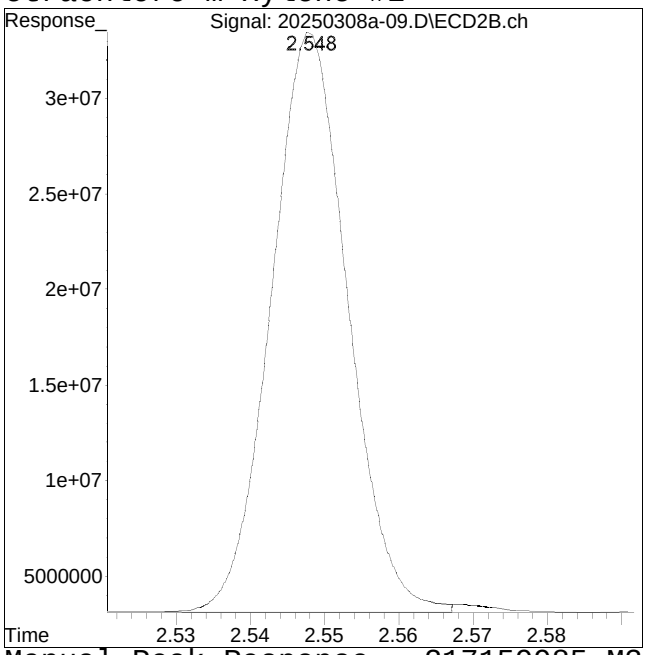
Original Peak Response = 160675402 Manual Peak Response = 154850845 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-09.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:02 Instrument : PEST 20
Sample : WG2038216-1,42,, Quant Date : 3/10/2025 10:39 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



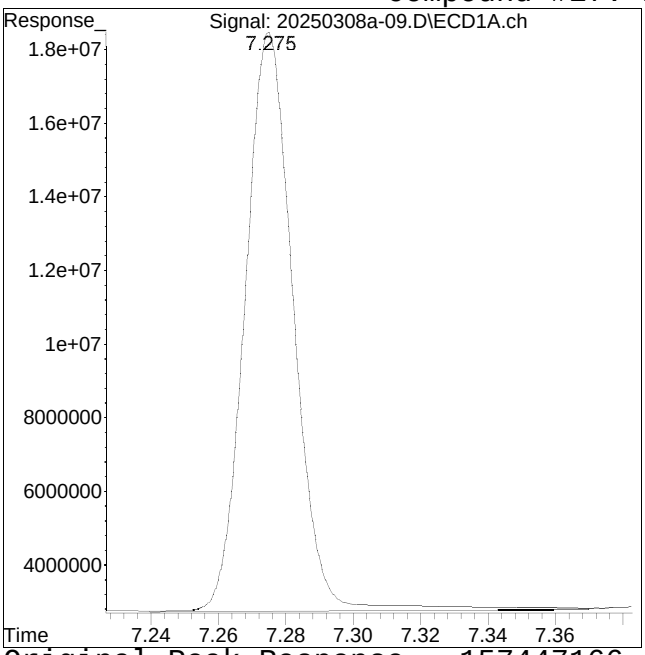


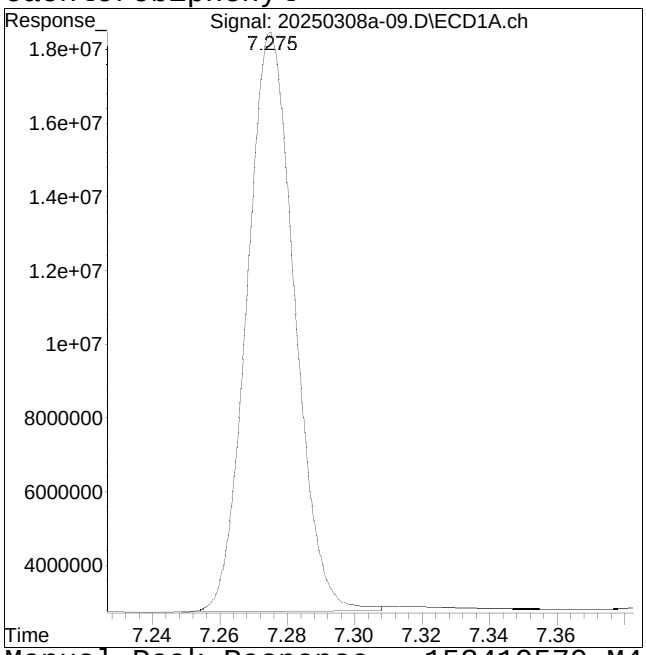
Original Peak Response = 226081915 Manual Peak Response = 217159985 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-09.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:02 Instrument : PEST 20
Sample : WG2038216-1,42,, Quant Date : 3/10/2025 10:39 am

Compound #27: Decachlorobiphenyl



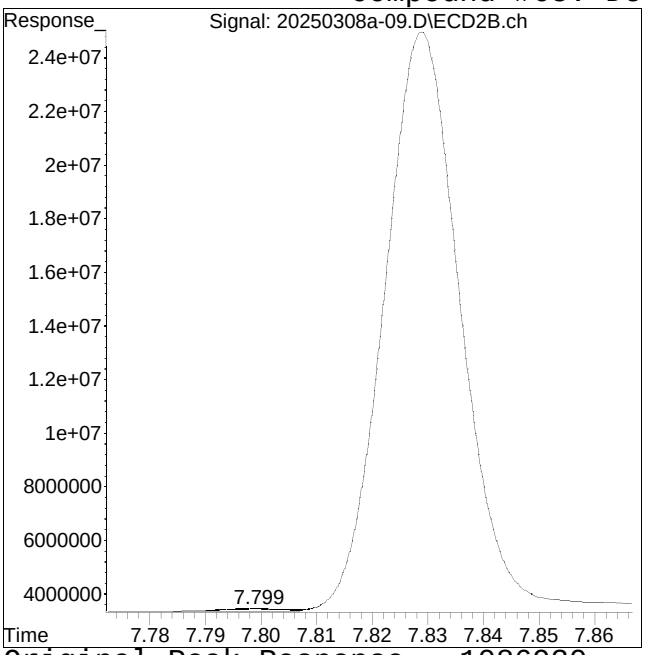


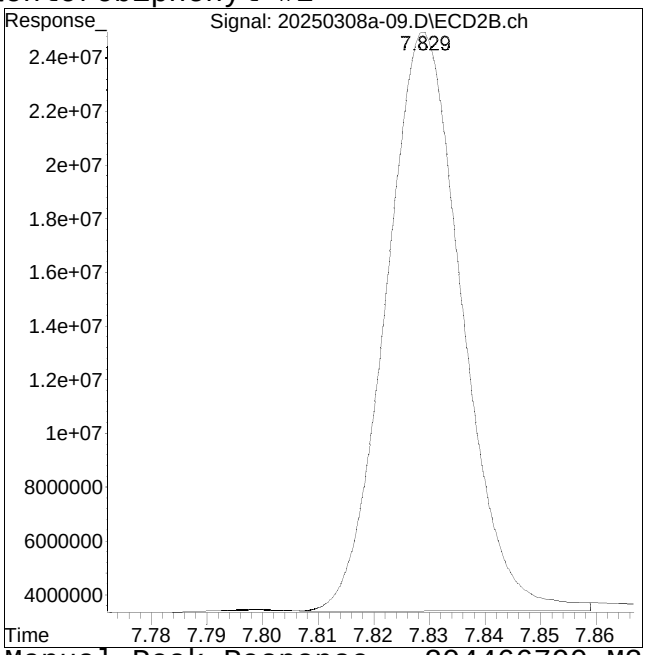
Original Peak Response = 157447166 Manual Peak Response = 153419570 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-09.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:02 Instrument : PEST 20
Sample : WG2038216-1,42,, Quant Date : 3/10/2025 10:39 am

Compound #65: Decachlorobiphenyl #2



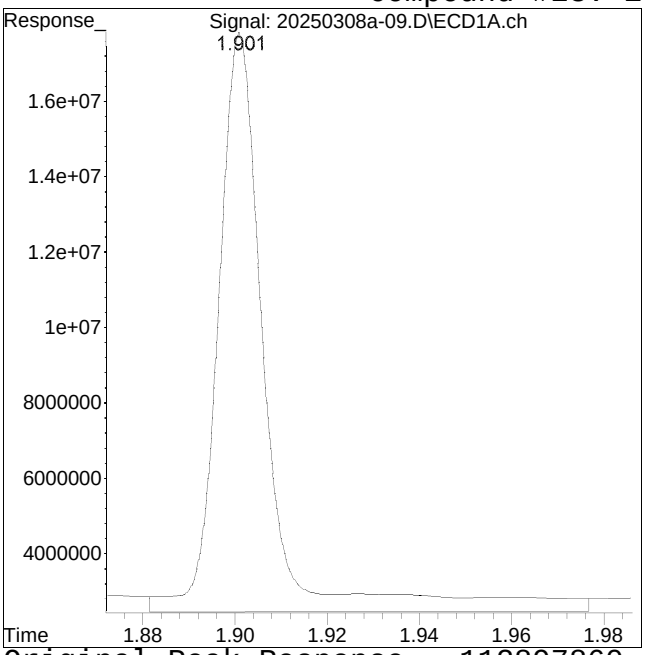


Original Peak Response = 1086930 Manual Peak Response = 204466790 M2
M2 = Peak not found by automatic integration algorithm.

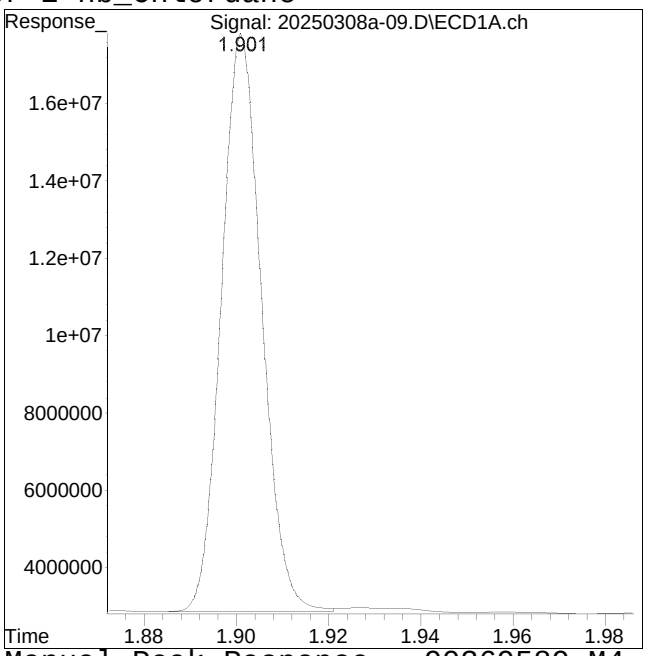
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-09.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:02 Instrument : PEST 20
Sample : WG2038216-1,42,, Quant Date : 3/10/2025 10:39 am

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 112897860



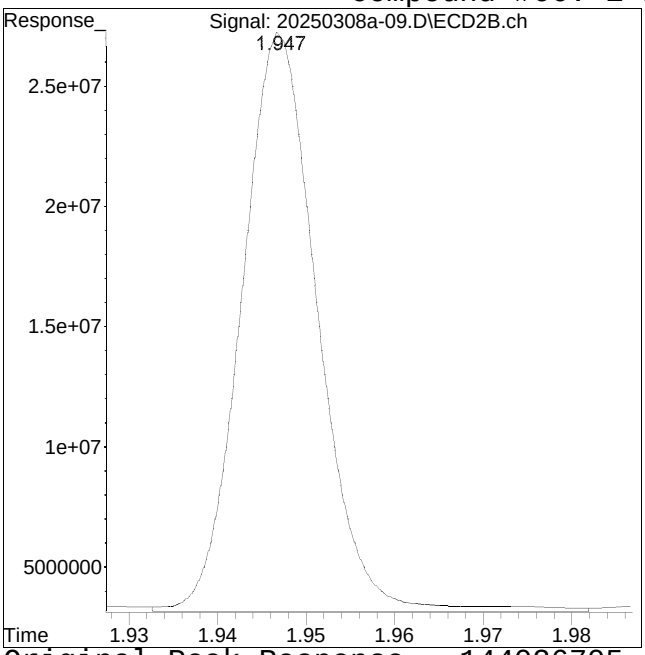
Manual Peak Response = 90369589 M4

M4 = Poor automated baseline construction.

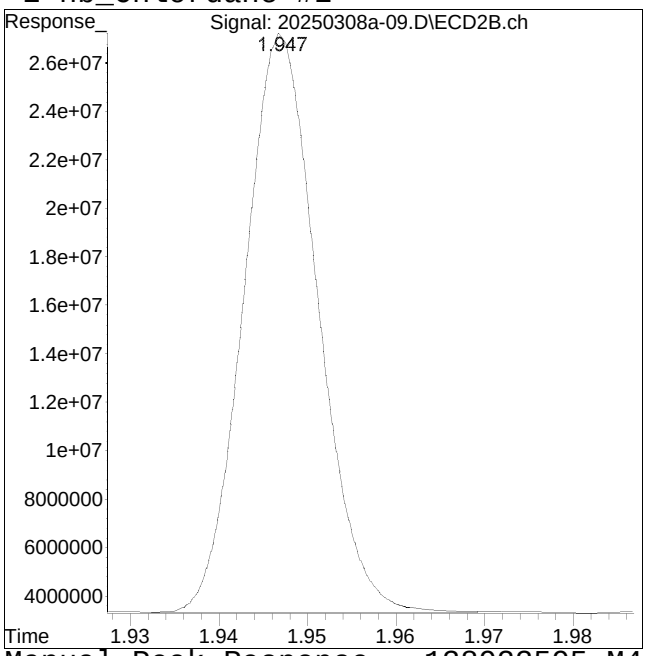
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-09.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:02 Instrument : PEST 20
Sample : WG2038216-1,42,, Quant Date : 3/10/2025 10:39 am

Compound #66: 1-br-2-nb_Chlordane #2



Original Peak Response = 144026705



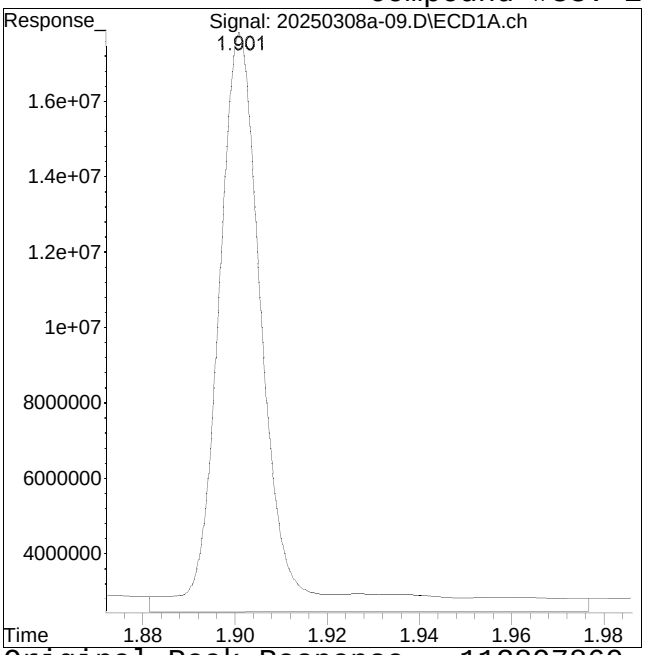
Manual Peak Response = 138923595 M4

M4 = Poor automated baseline construction.

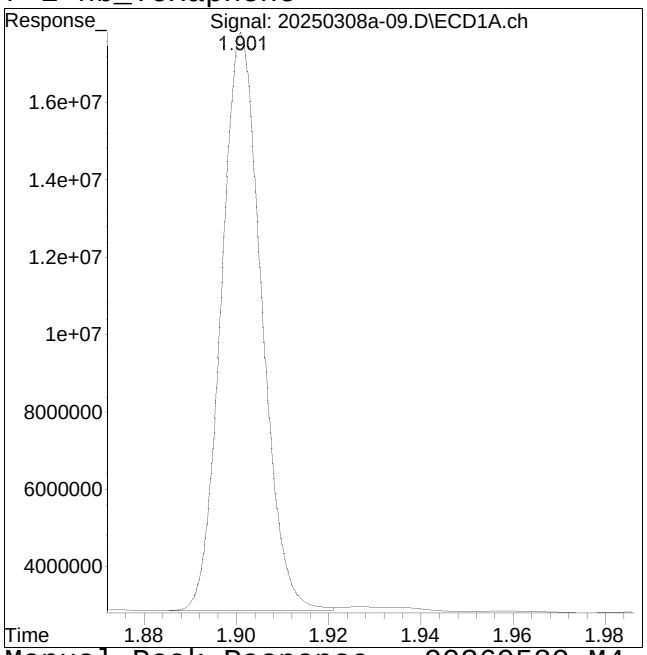
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-09.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:02 Instrument : PEST 20
Sample : WG2038216-1,42,, Quant Date : 3/10/2025 10:39 am

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 112897860



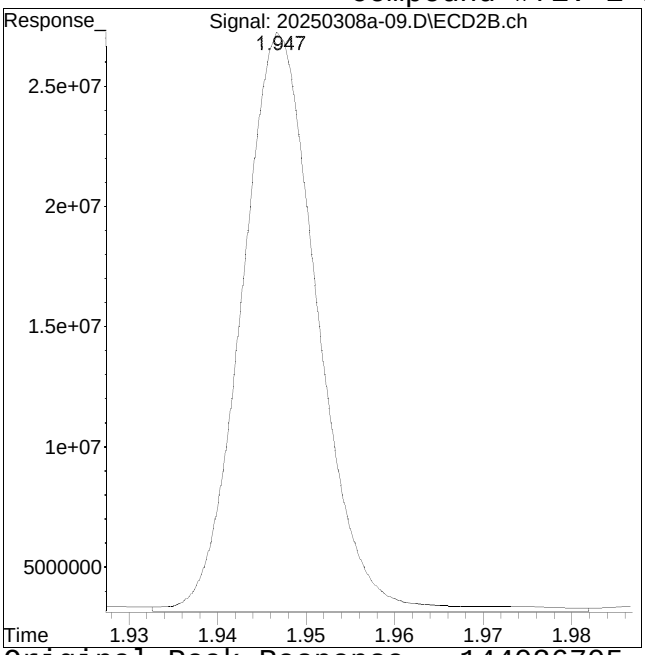
Manual Peak Response = 90369589 M4

M4 = Poor automated baseline construction.

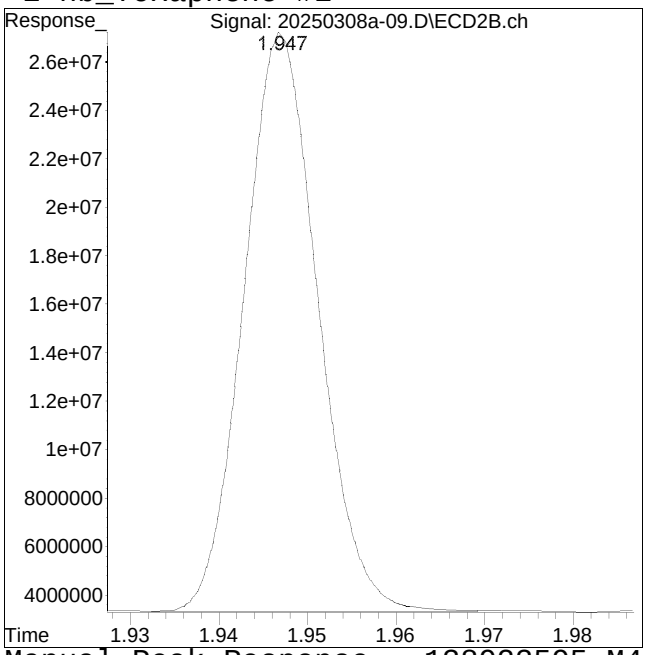
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-09.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:02 Instrument : PEST 20
Sample : WG2038216-1,42,, Quant Date : 3/10/2025 10:39 am

Compound #71: 1-br-2-nb_Toxaphene #2



Original Peak Response = 144026705



Manual Peak Response = 138923595 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 7:37
Operator : PEST11:peg
Sample : WG2037965-2,42,, rvt
Misc : wg2038031,WG2037965,ical21853
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 12:15:24 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:00:56 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2025\250308A\11250308a-03.d
Sub List : LCS_MS - spk only

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.292	1.370	405.9E6	214.4E6	25.000M4	25.000
	Standard Area 1 : #1 = 378270952				Recovery = 107.31%		
	Standard Area 1 : #2 = 220505210				Recovery = 97.25%		
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.639	1.856	826.9E6	392.3E6	41.959M3	43.796M3
	Spiked Amount 50.000	Range 30 - 150		Recovery = 83.92%		87.59%	
27) s	Decachlorobi	6.305	6.963	713.6E6	285.0E6	38.214M4	36.054M4
	Spiked Amount 50.000	Range 30 - 150		Recovery = 76.43%		72.11%	
Target Compounds							
4) t	alpha-BHC	1.954	2.280	1182.0E6	545.2E6	44.762M4	43.644M4
5) t	gamma-BHC (l	2.159	2.570	1117.9E6	528.7E6	46.169M4	43.981M4
6) t	beta-BHC	2.216	2.636	475.9E6	227.2E6	42.259M3	44.794M3
7) t	delta-BHC	2.346	2.907	845.4E6	362.6E6	34.694M3	30.607M3
8) t	Heptachlor	2.510	2.974	916.0E6	467.2E6	40.236M4	38.754M4
9) t	Aldrin	2.755	3.298	916.7E6	430.3E6	40.337M3	39.957M4
12) t	Heptachlor E	3.305	3.922	953.1E6	411.8E6	44.323M4	37.808M4
13) t	gamma-Chlord	3.431	4.145	940.3E6	441.2E6	45.267M3	45.492M4
14) t	alpha-Chlord	3.566	4.315	880.4E6	427.7E6	37.369M3	39.614M4
15) t	4,4'-DDE	3.665	4.512	944.8E6	427.4E6	43.839M4	42.300M4
16) t	Endosulfan I	3.703	4.375	891.4E6	409.8E6	43.228M4	40.871M3
17) t	Dieldrin	3.965	4.666	1012.1E6	455.7E6	47.374M4	45.704M4
18) t	Endrin	4.222	4.963	1004.5E6	438.1E6	48.530M4	43.701M4
19) t	4,4'-DDD	4.334	5.086	818.6E6	370.6E6	50.239M4	45.694M4
20) t	Endosulfan I	4.463	5.162	892.7E6	394.0E6	46.409M4	42.760M4
21) t	4,4'-DDT	4.628	5.364	852.2E6	400.8E6	48.211M4	43.391M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 7:37
Operator : PEST11:peg
Sample : WG2037965-2,42,, rvt
Misc : wg2038031,WG2037965,ical21853
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 12:15:24 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:00:56 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2025\250308A\11250308a-03.d
Sub List : LCS_MS - spk only

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
22) t Endrin Aldeh	4.881	5.459	614.4E6	275.6E6	38.508M3	36.763M3
23) t Methoxychlor	5.118	5.930	507.5E6	145.1E6	50.897M3	27.495
25) t Endosulfan S	5.274	5.688	843.1E6	358.3E6	43.919M4	39.501M4
26) t Endrin Keton	5.501	6.101	975.7E6	468.3E6	50.961M3	49.181M3
Sum chlordane-1			0	0	N.D.	N.D.
Average chlordane-1					0.000	0.000
Sum toxaphene-2			0	0	N.D.	N.D.
Average toxaphene-2					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum toxaphene-2			0	0	N.D.	N.D.
Average toxaphene-2					0.000	0.000

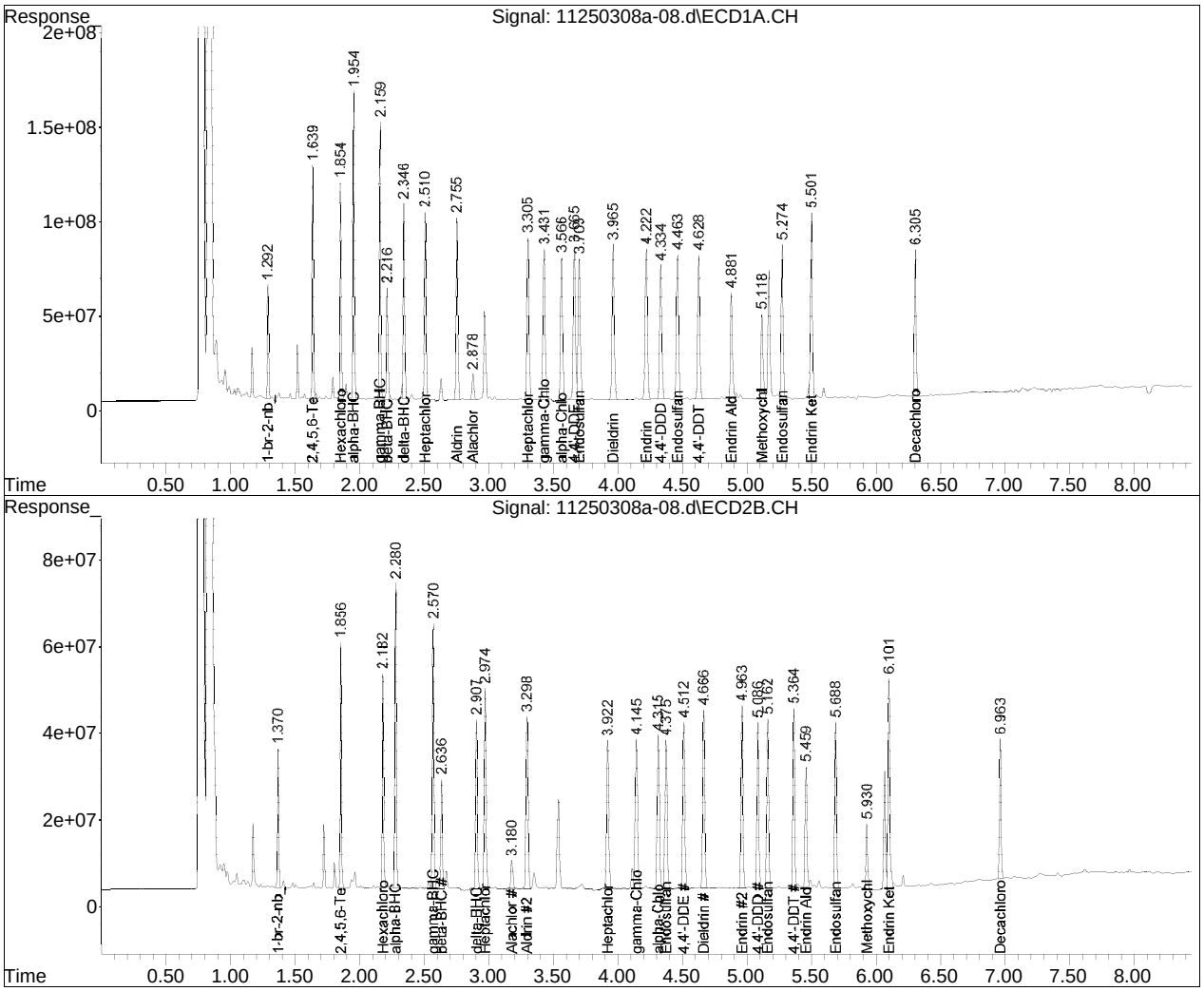
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : LCS_MS - spk only1\2025\250308A\11250308a-03.d•

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 7:37
Operator : PEST11:peg
Sample : WG2037965-2,42,, rvt
Misc : wg2038031,WG2037965,ical21853
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 12:15:24 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:00:56 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

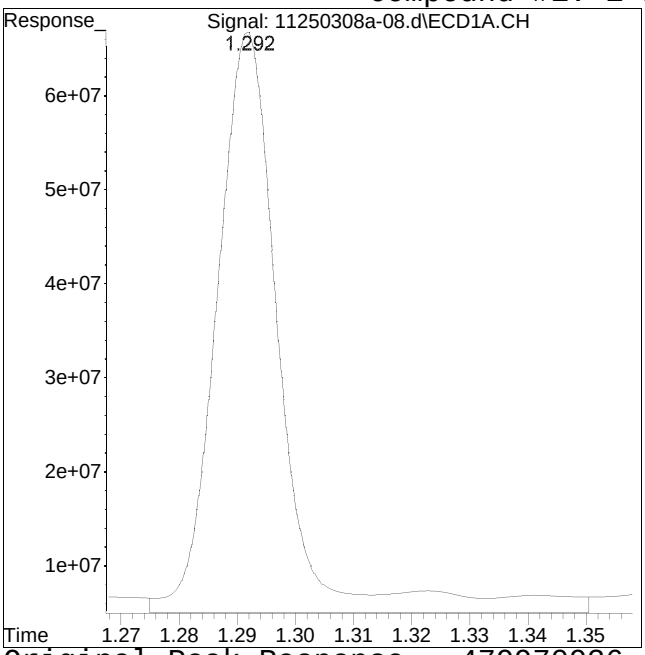
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



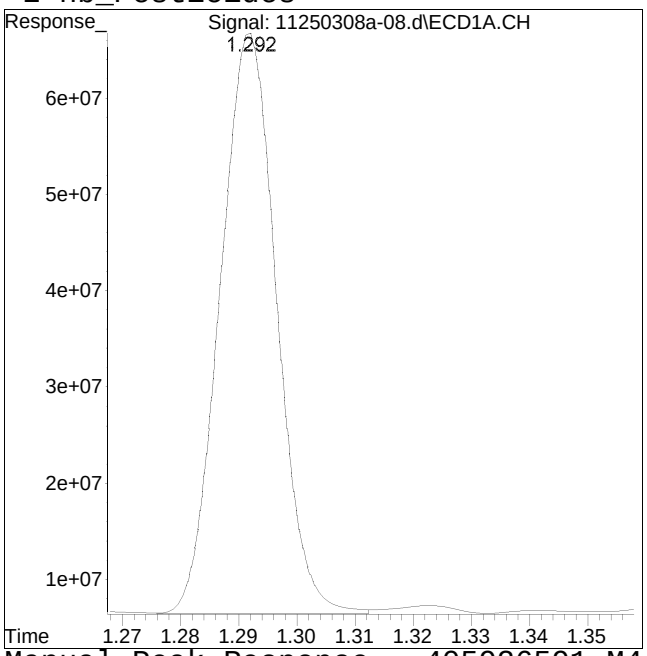
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 479970936

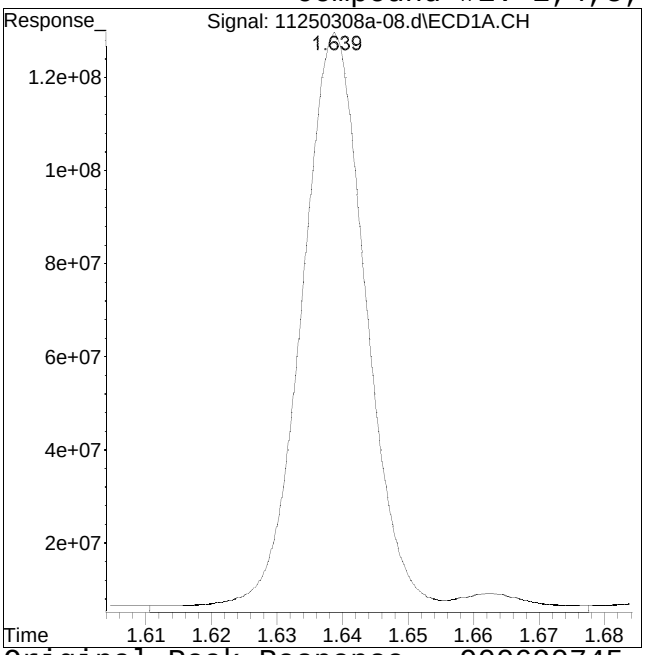


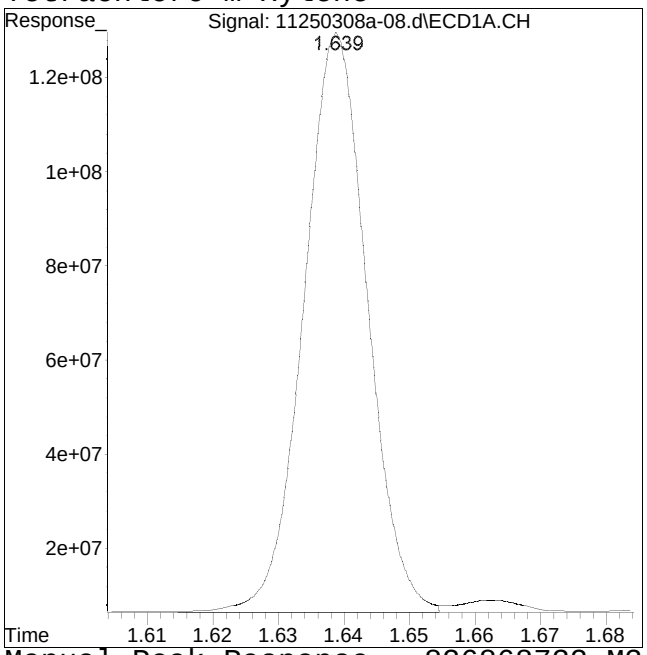
Manual Peak Response = 405926591 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



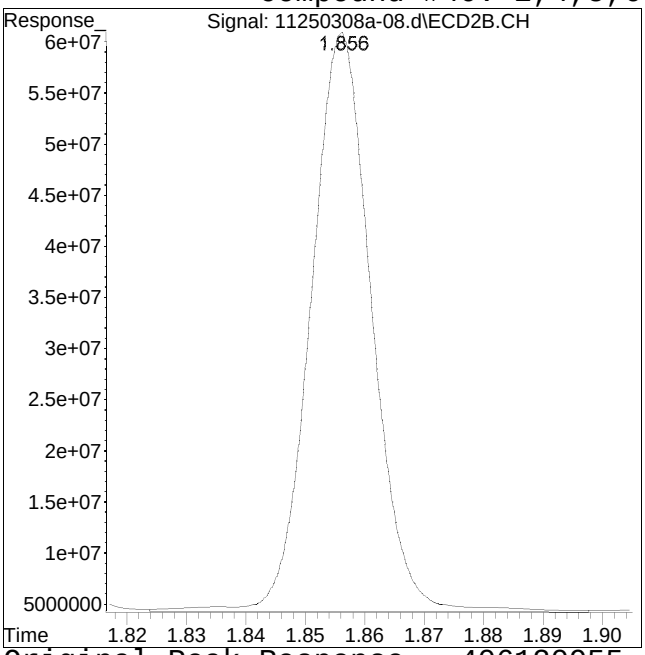


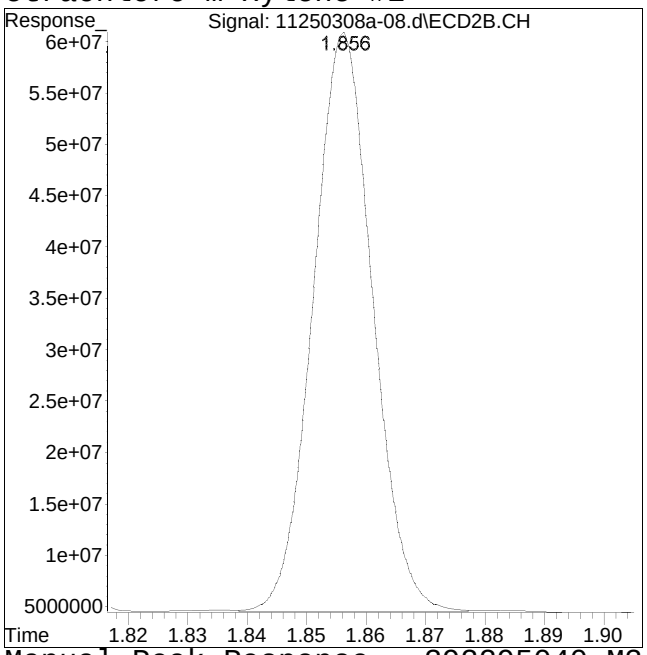
Original Peak Response = 900690745 Manual Peak Response = 826868732 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



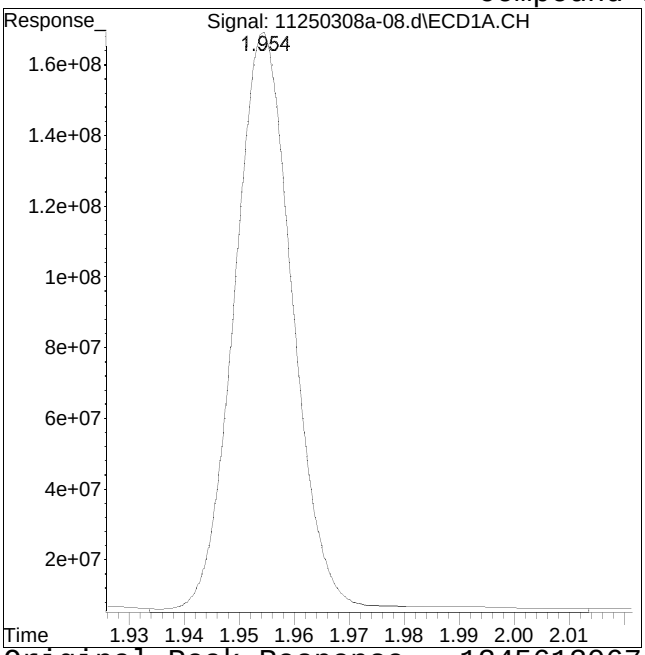


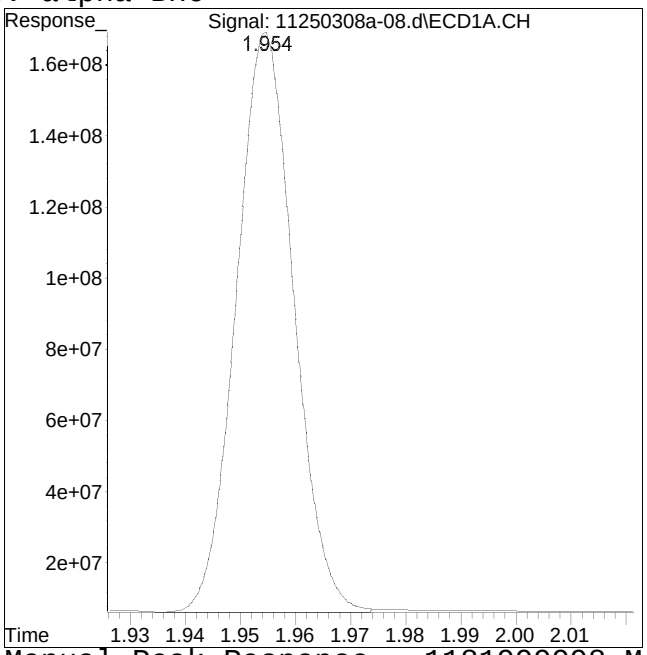
Original Peak Response = 406120955 Manual Peak Response = 392295040 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #4: alpha-BHC



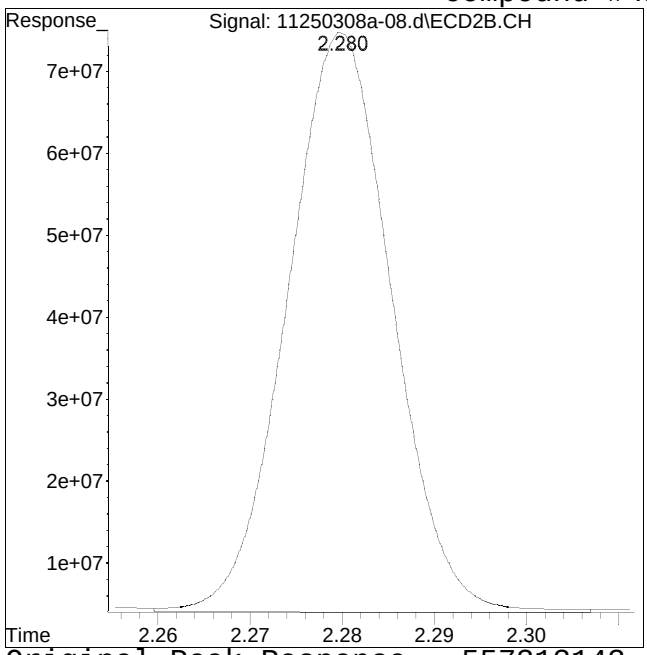


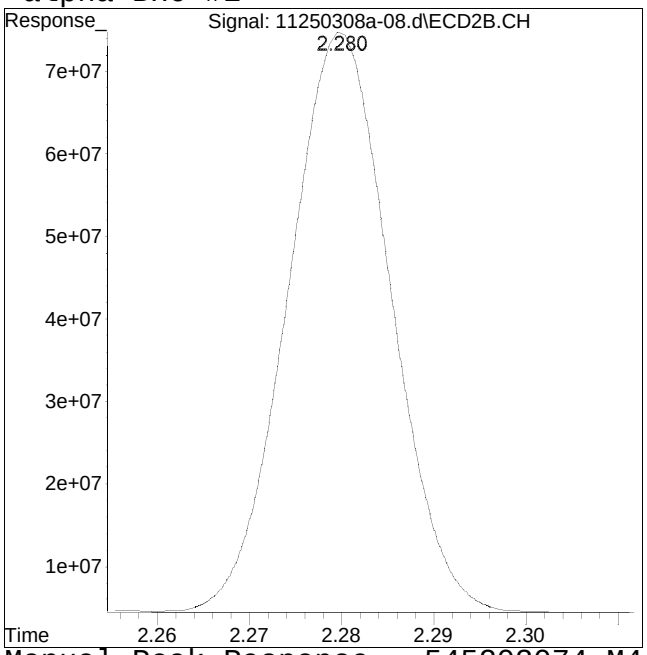
Original Peak Response = 1245613067 Manual Peak Response = 1181999998 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #42: alpha-BHC #2



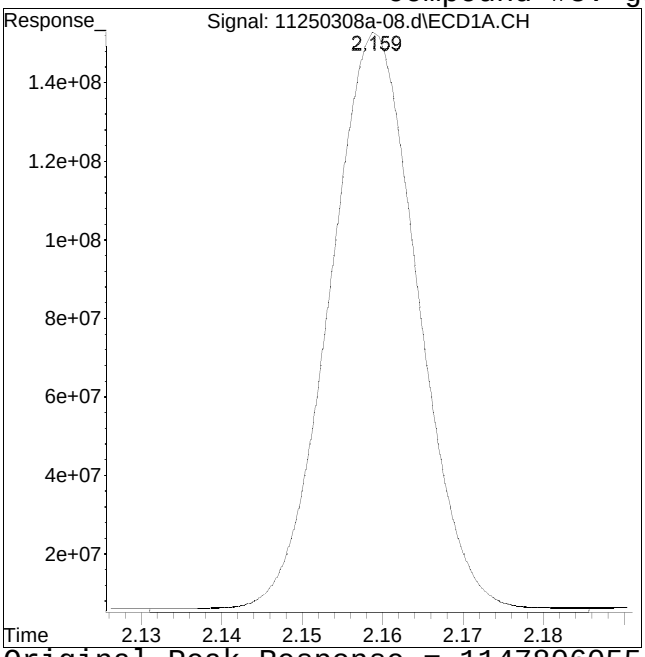


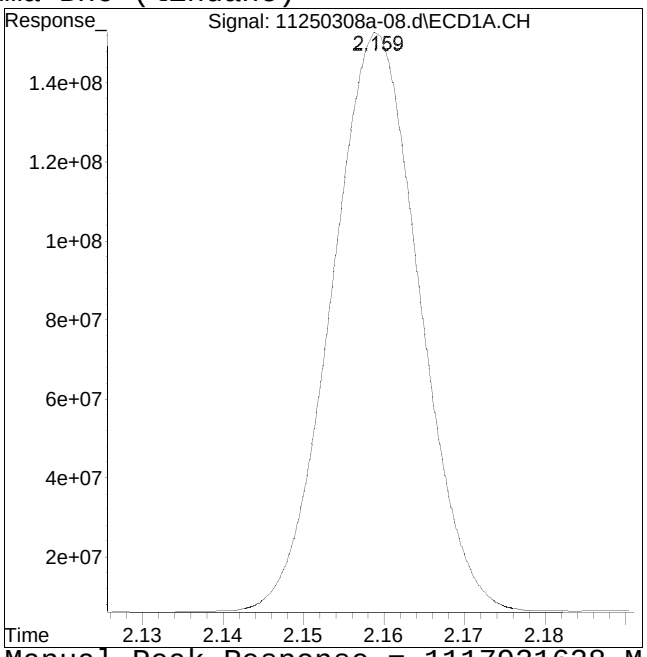
Original Peak Response = 557313143 Manual Peak Response = 545203074 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #5: gamma-BHC (lindane)



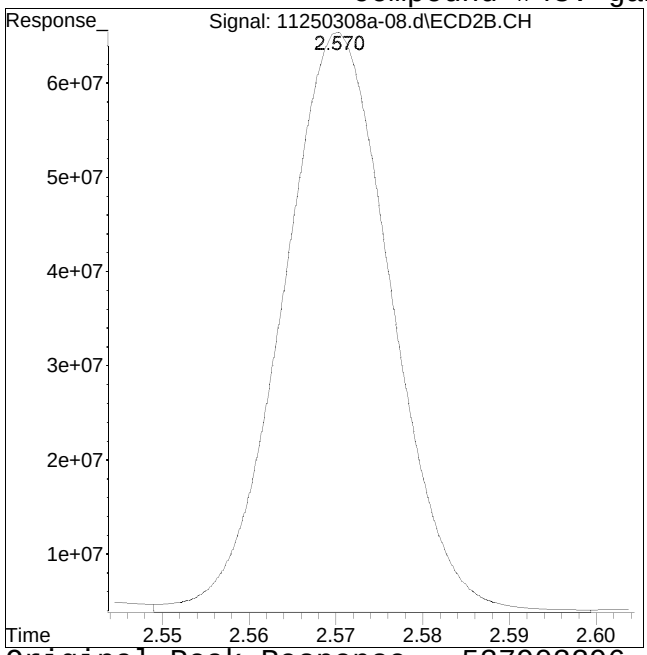


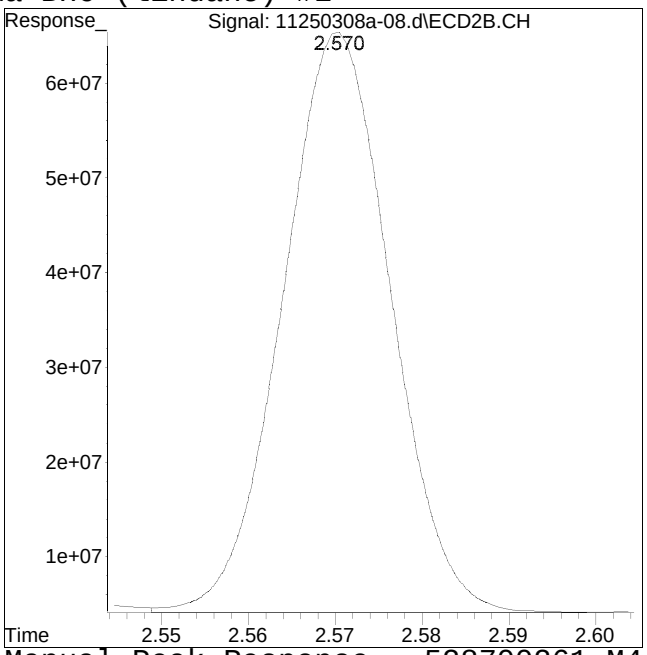
Original Peak Response = 1147806055 Manual Peak Response = 1117931628 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #43: gamma-BHC (lindane) #2



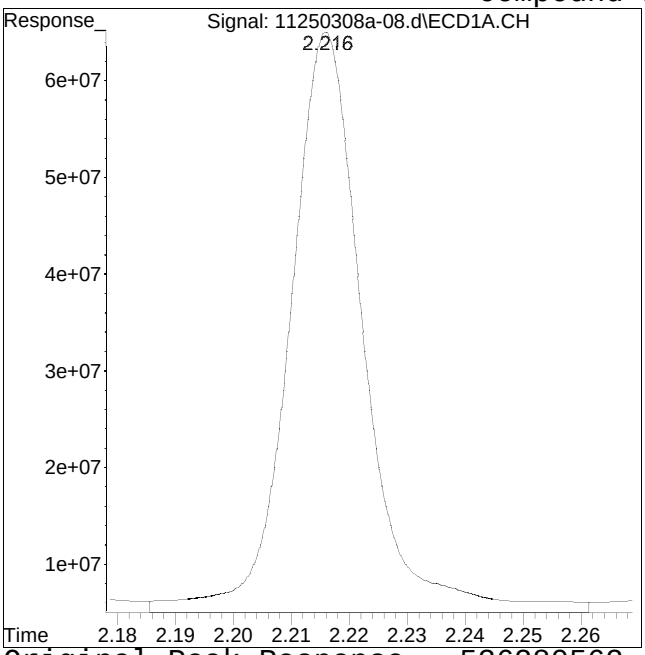


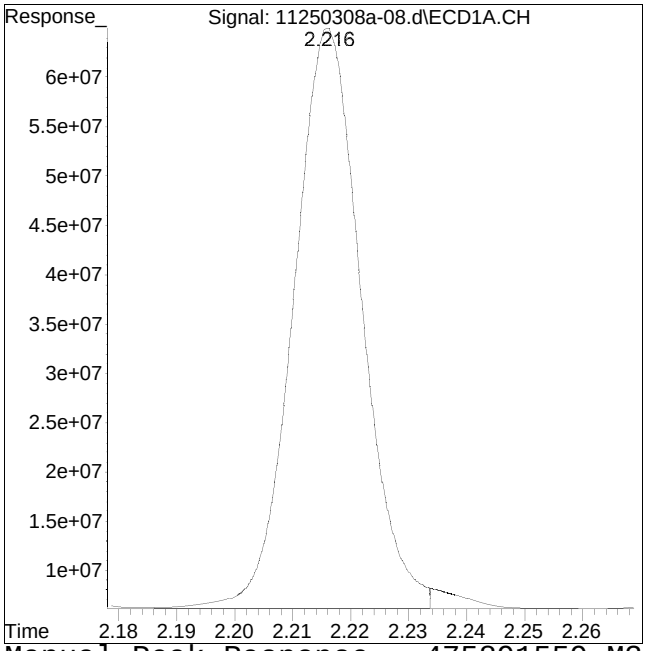
Original Peak Response = 537903296 Manual Peak Response = 528700261 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #6: beta-BHC



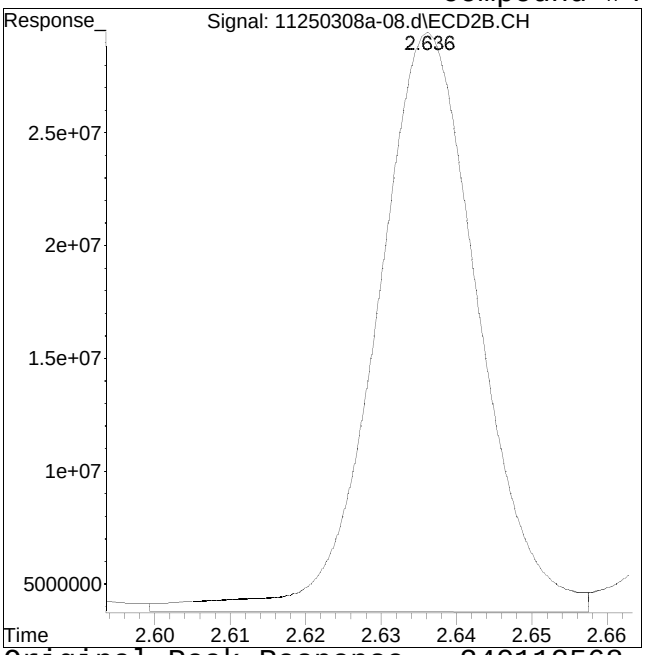


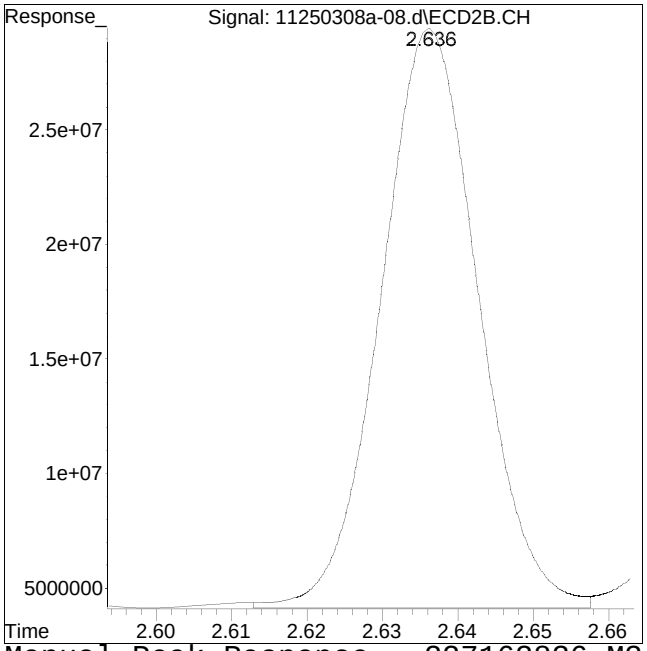
Original Peak Response = 536280562 Manual Peak Response = 475891559 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #44: beta-BHC #2



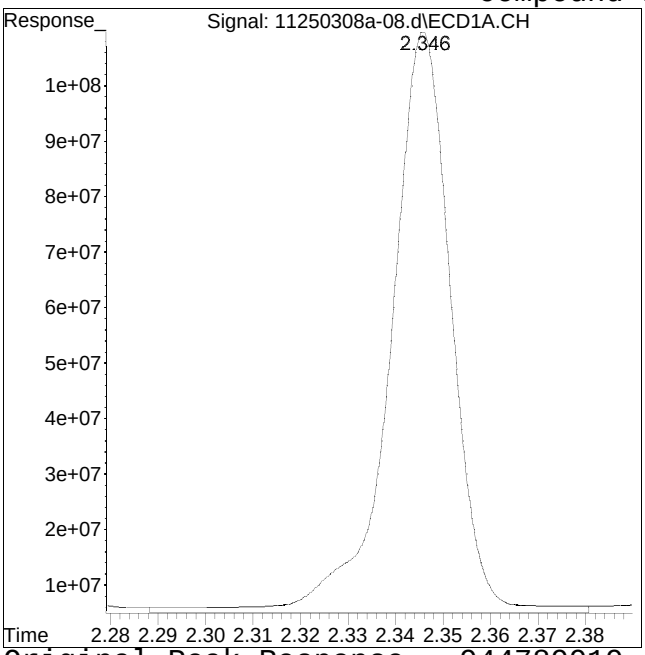


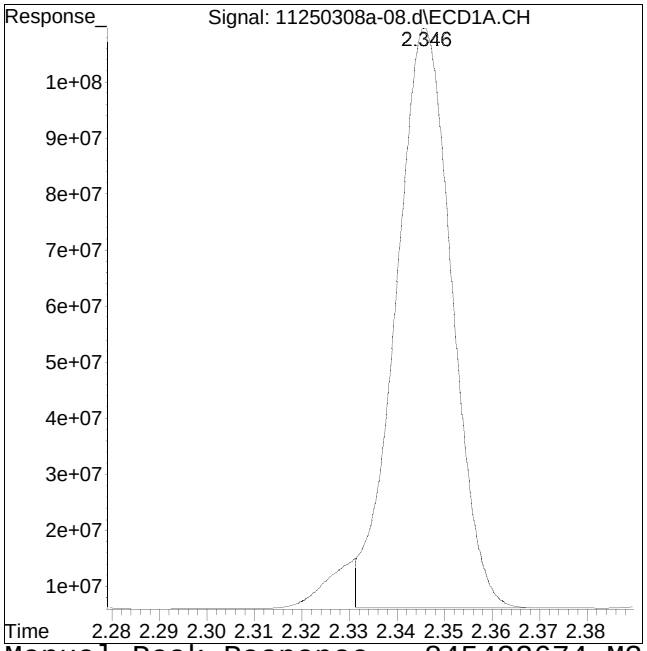
Original Peak Response = 240112568 Manual Peak Response = 227163836 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #7: delta-BHC



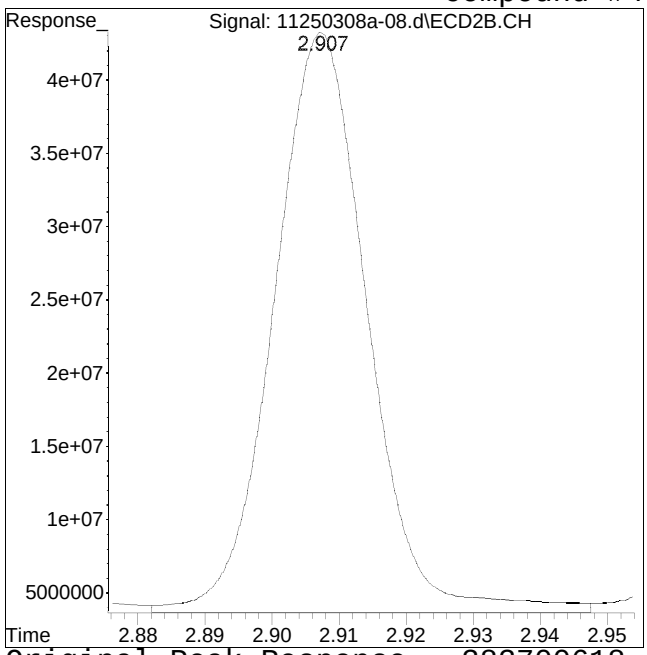


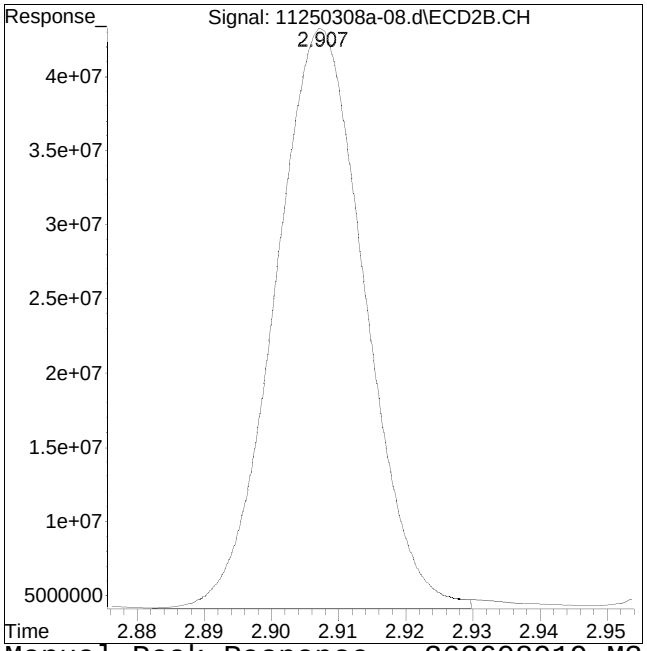
Original Peak Response = 944789919 Manual Peak Response = 845432674 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #45: delta-BHC #2



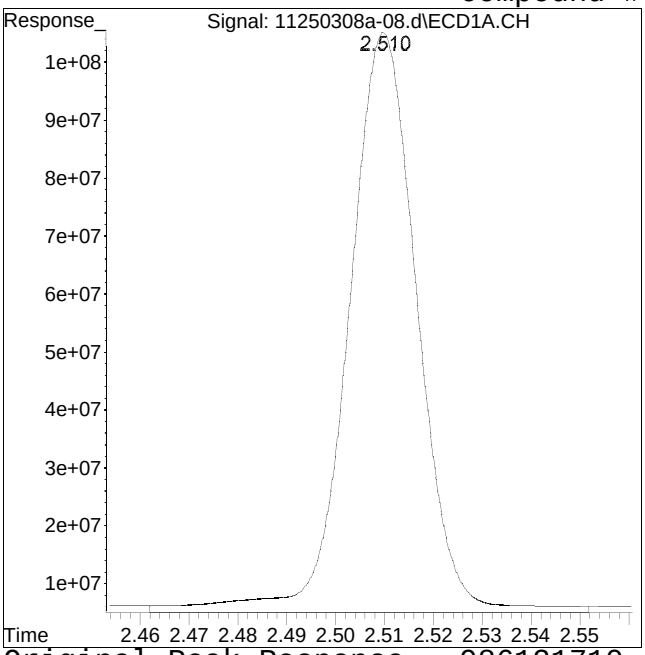


Original Peak Response = 383700618 Manual Peak Response = 362608919 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

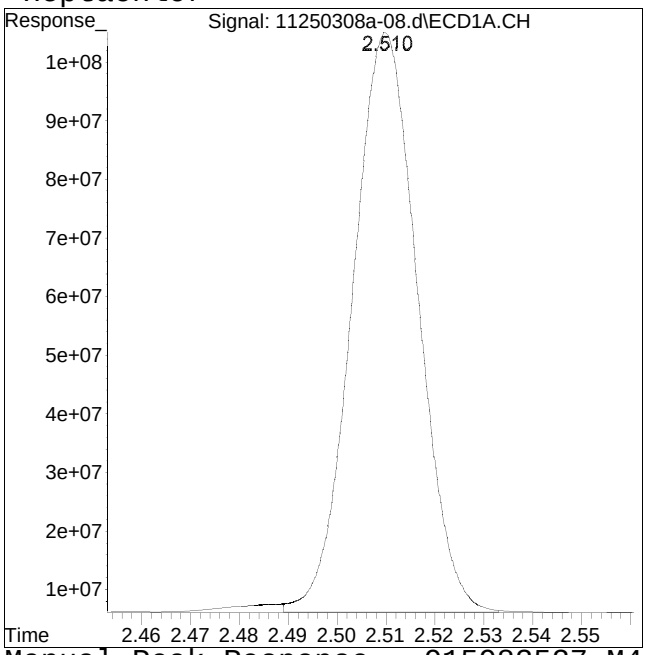
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #8: Heptachlor



Original Peak Response = 986121710



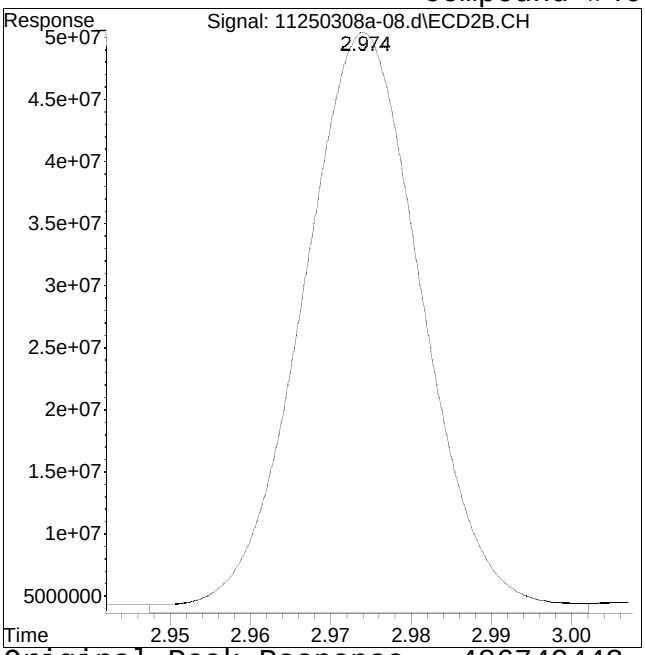
Manual Peak Response = 915983527 M4

M4 = Poor automated baseline construction.

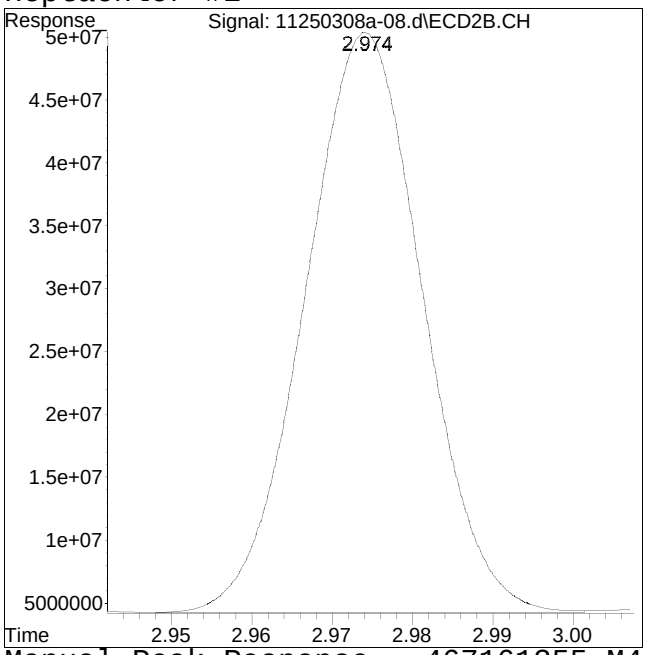
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #46: Heptachlor #2



Original Peak Response = 486749443



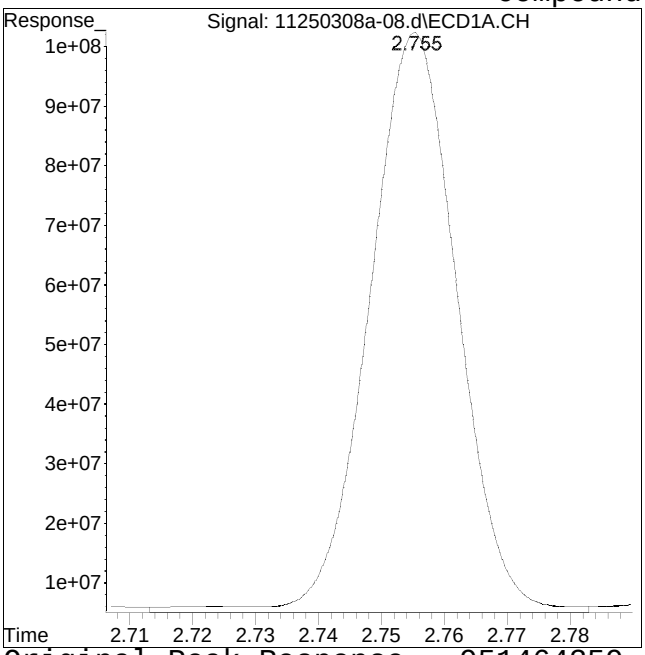
Manual Peak Response = 467161355 M4

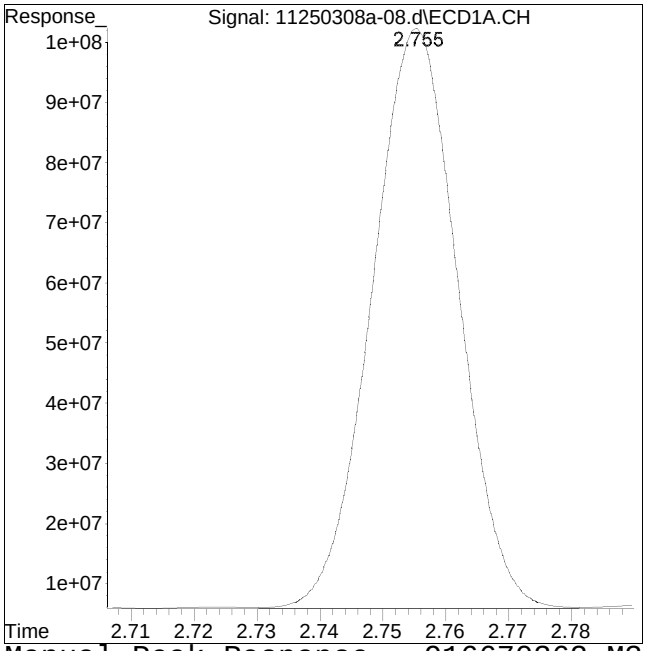
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #9: Aldrin



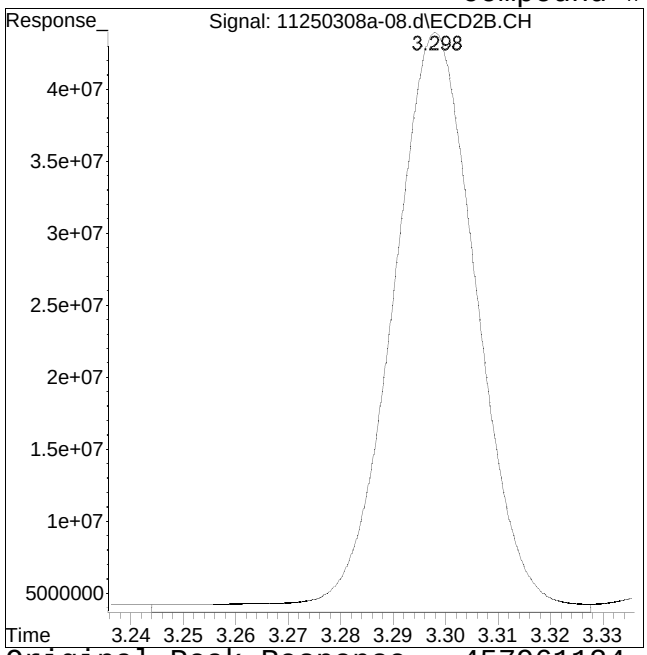


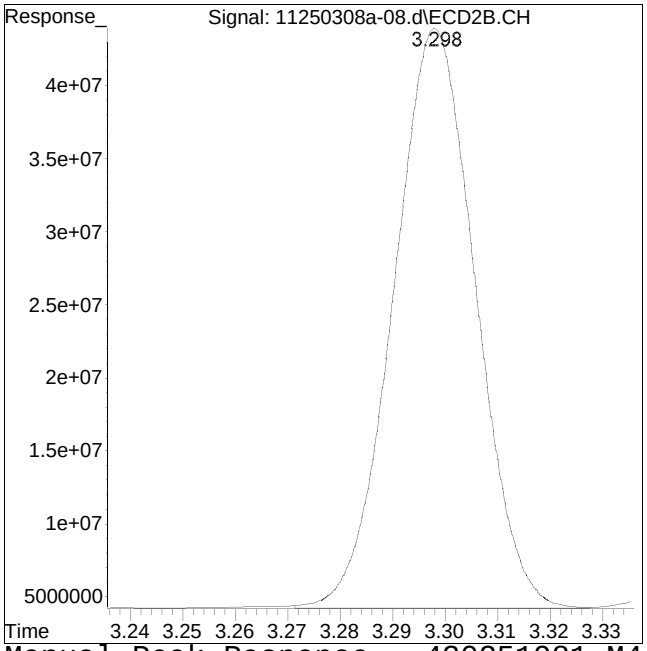
Original Peak Response = 951464359 Manual Peak Response = 916670362 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #47: Aldrin #2



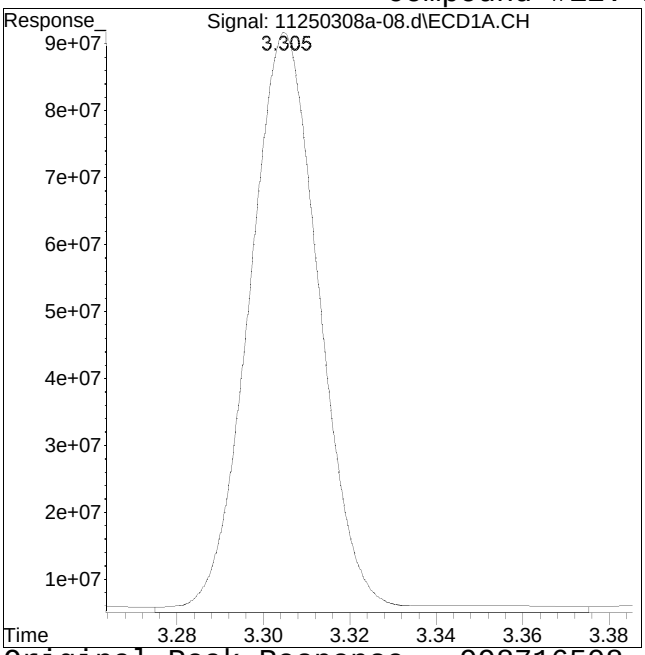


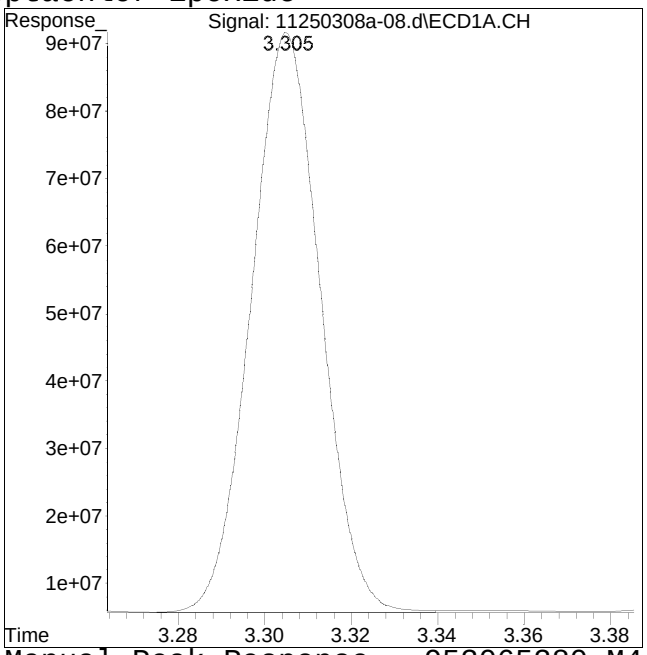
Original Peak Response = 457961124 Manual Peak Response = 430251981 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #12: Heptachlor Epoxide



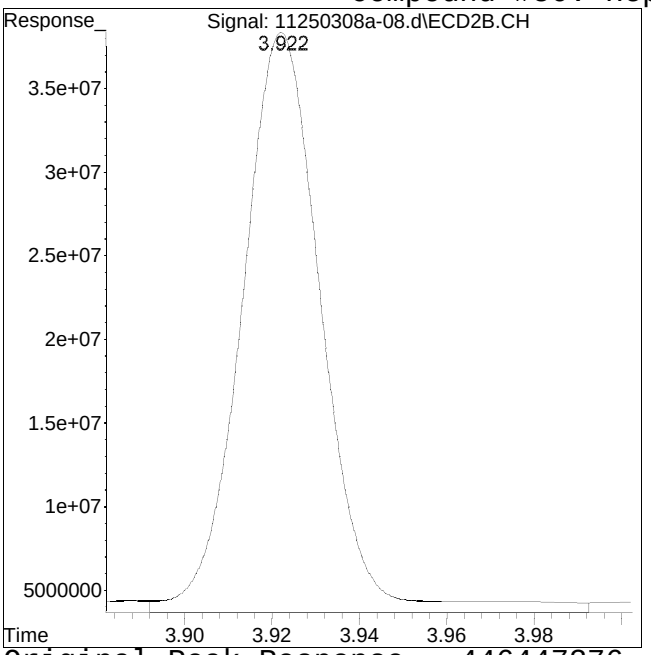


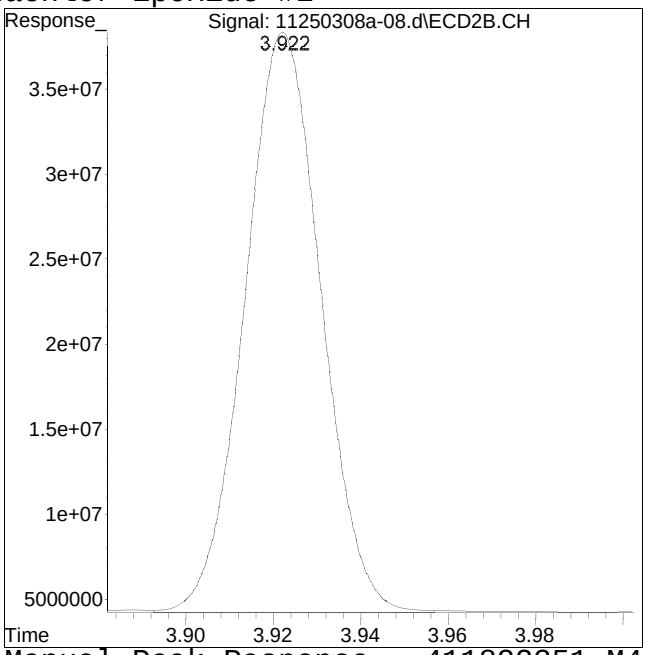
Original Peak Response = 998716508 Manual Peak Response = 953065380 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #50: Heptachlor Epoxide #2



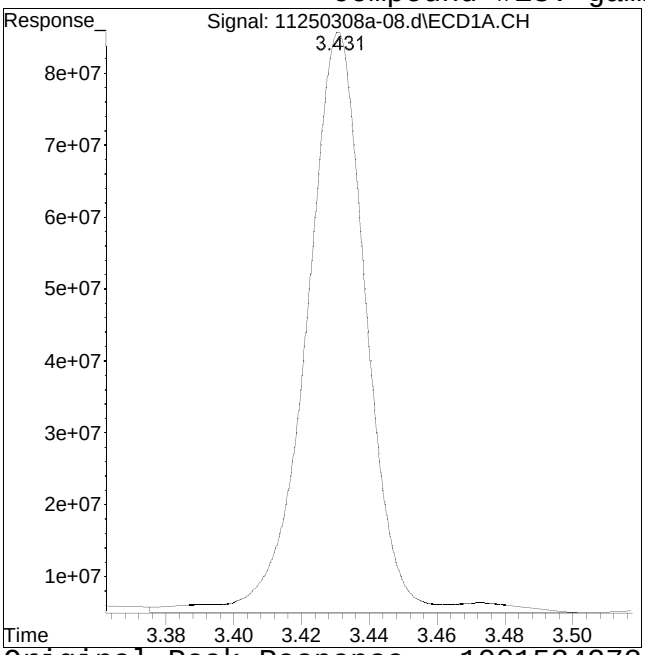


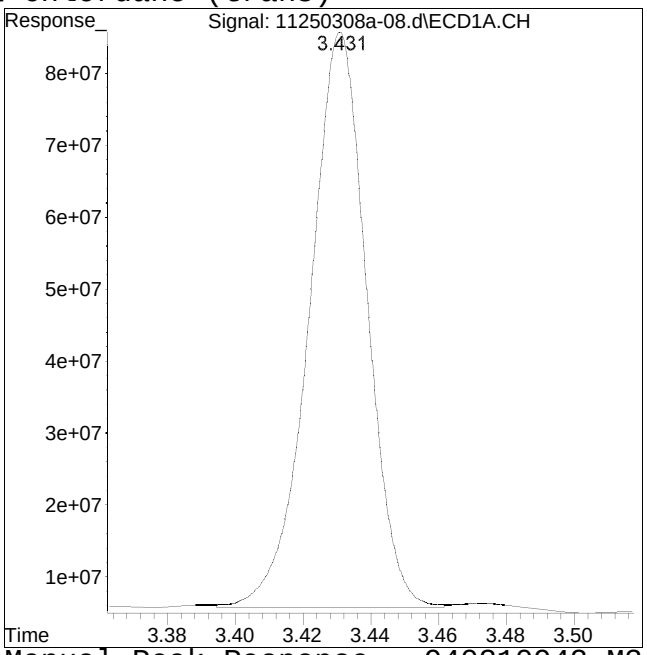
Original Peak Response = 446447376 Manual Peak Response = 411822351 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #13: gamma-Chlordane (trans)



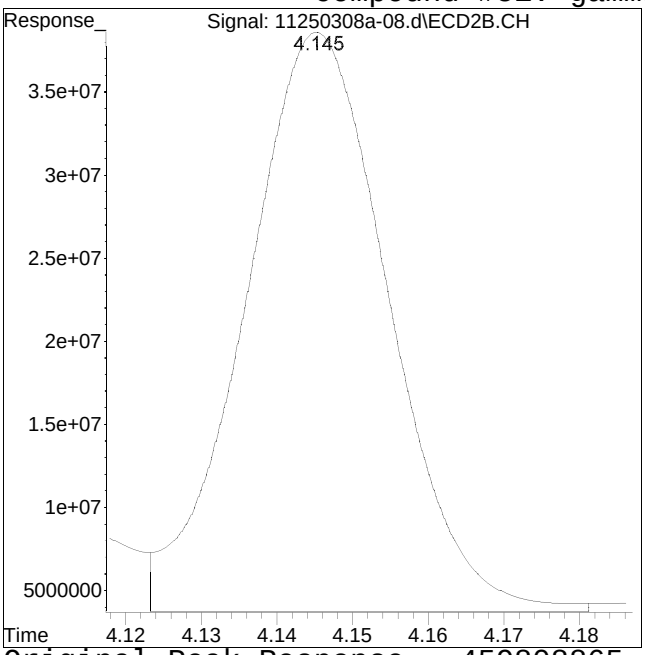


Original Peak Response = 1001524273 Manual Peak Response = 940310942 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

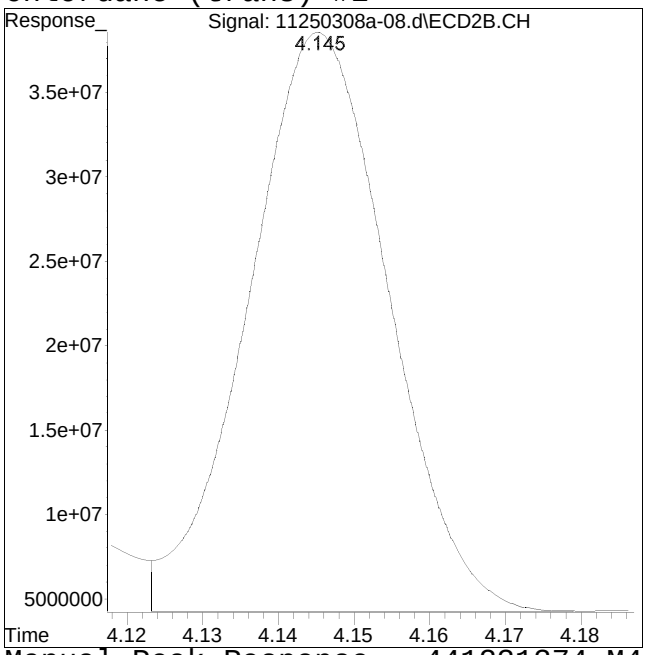
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 459808865

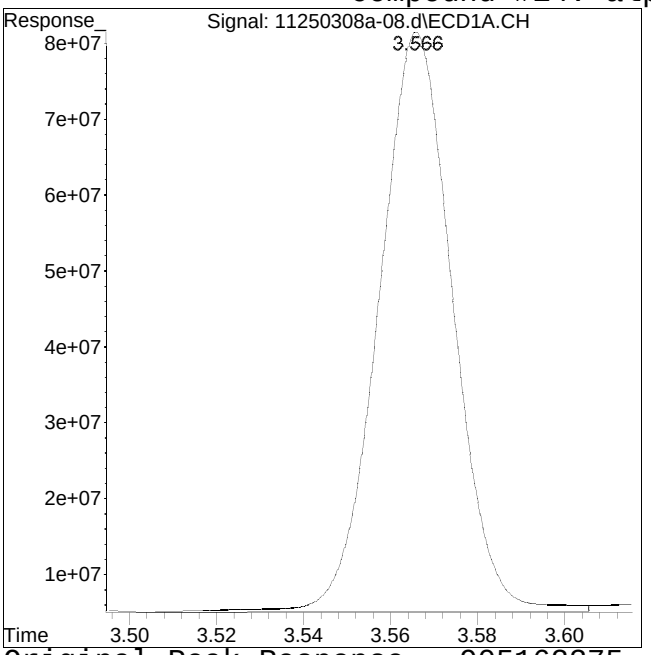


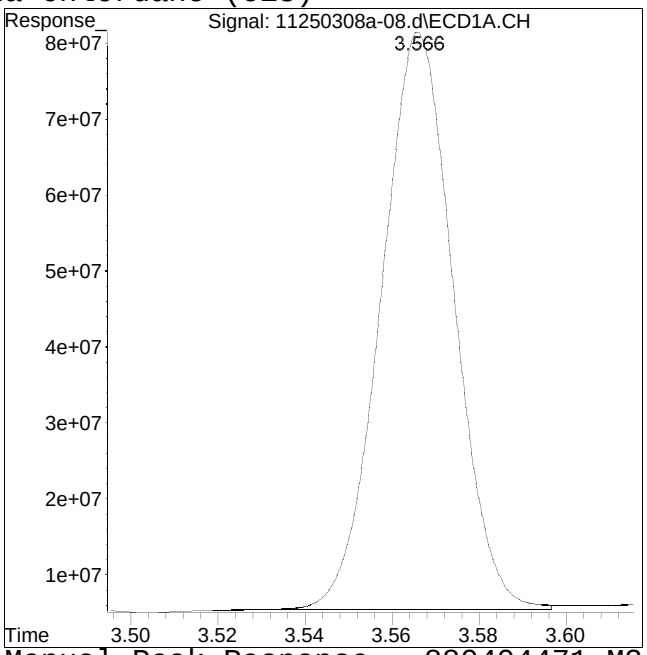
Manual Peak Response = 441231374 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #14: alpha-Chlordane (cis)



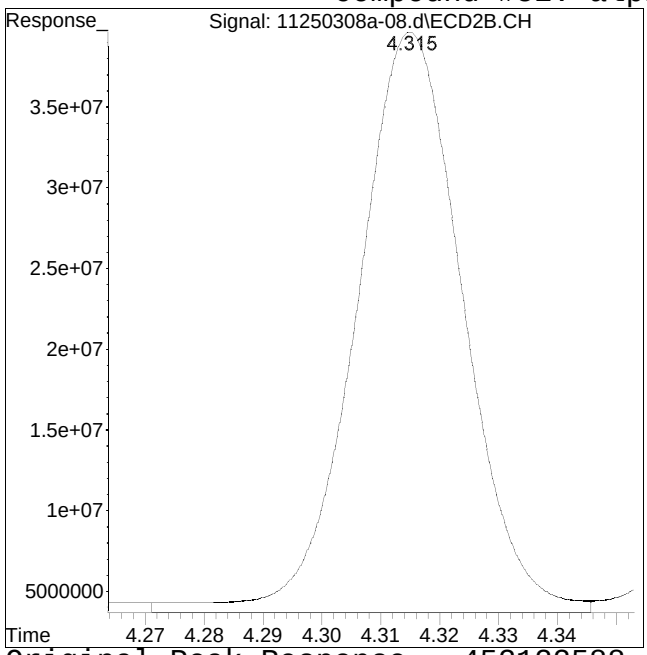


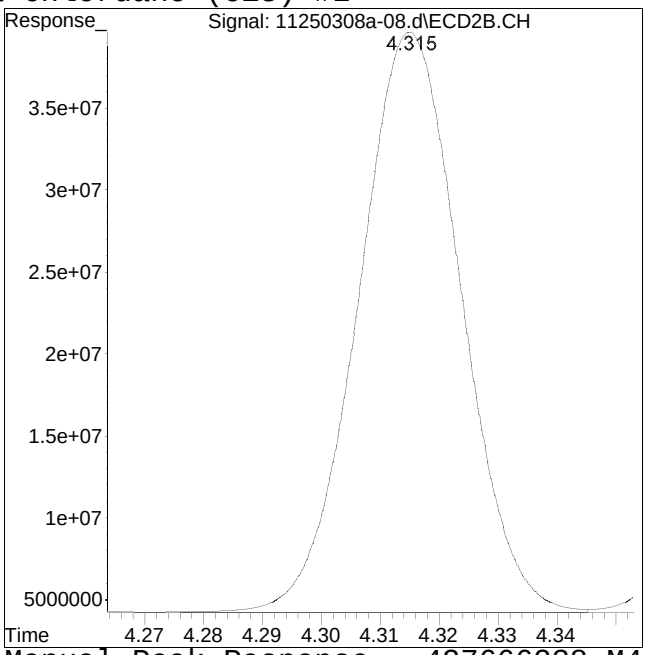
Original Peak Response = 905162375 Manual Peak Response = 880404471 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #52: alpha-Chlordane (cis) #2



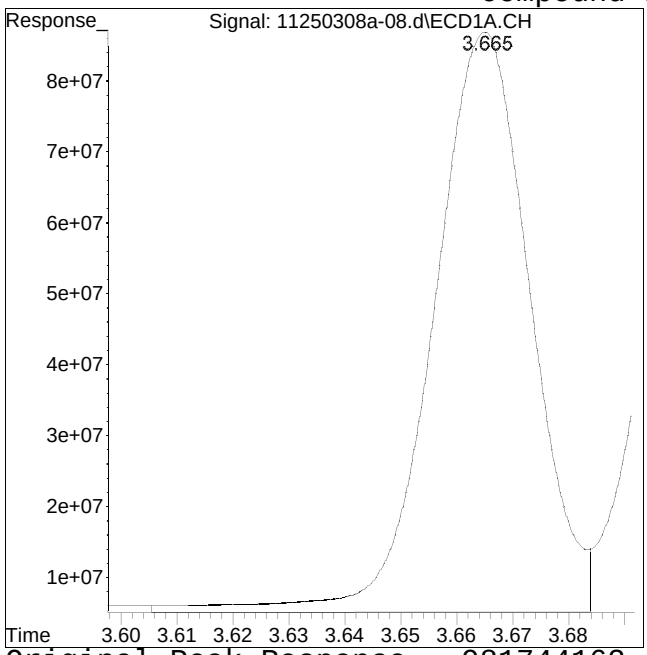


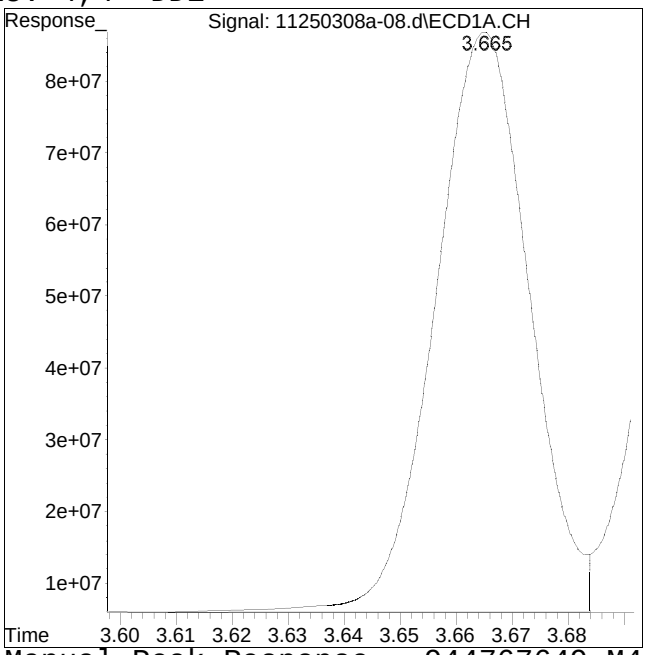
Original Peak Response = 452122588 Manual Peak Response = 427666238 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #15: 4,4'-DDE



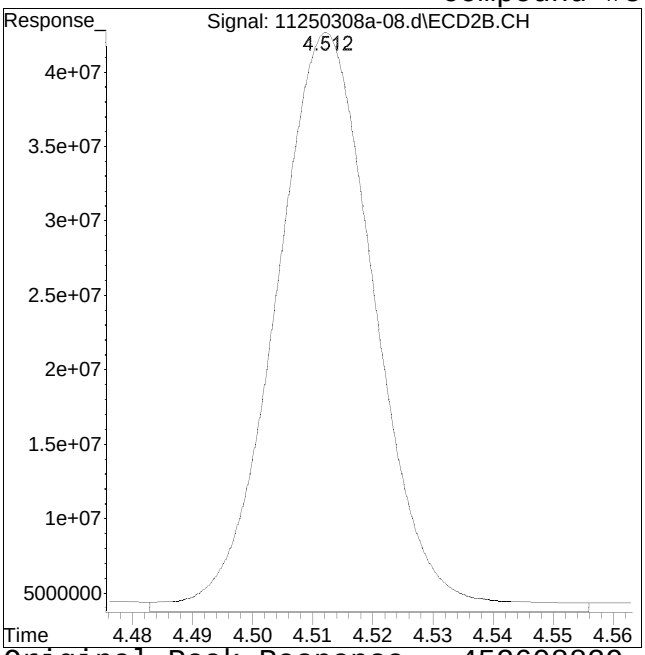


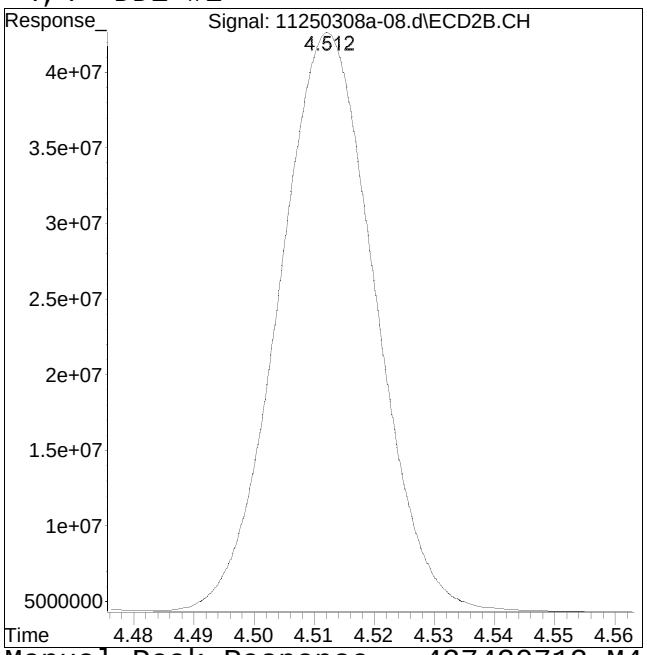
Original Peak Response = 981744162 Manual Peak Response = 944767649 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #53: 4,4'-DDE #2



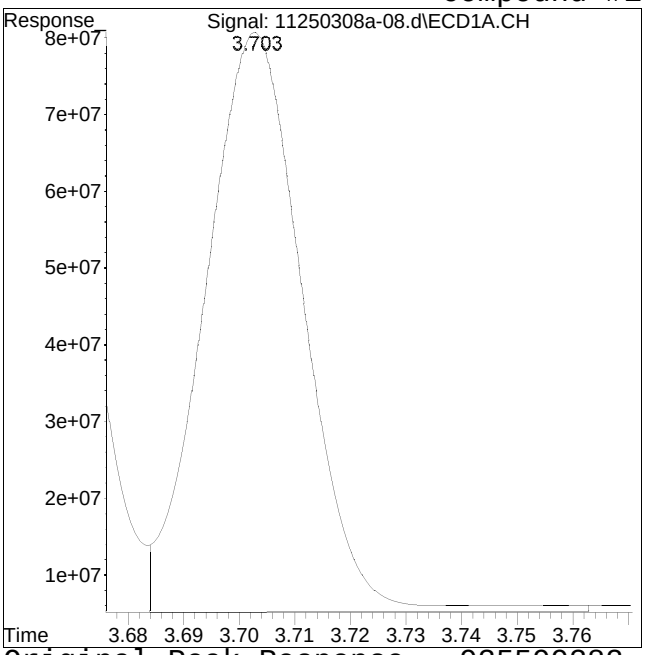


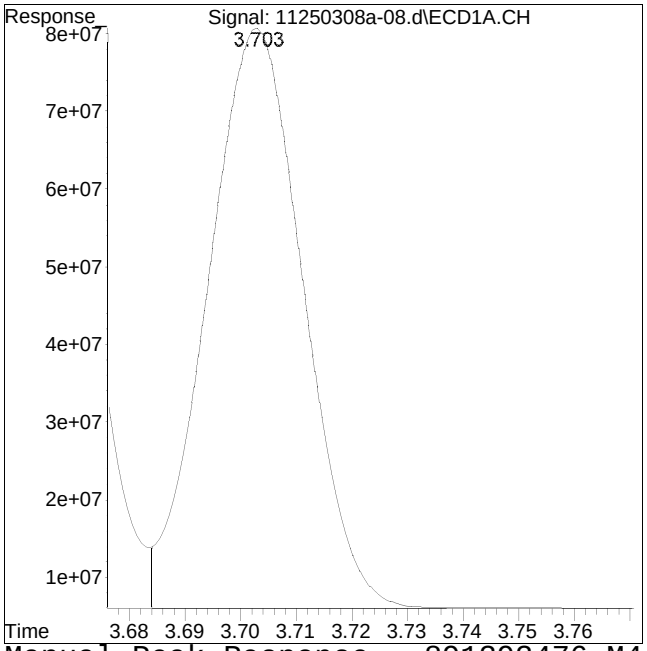
Original Peak Response = 452608829 Manual Peak Response = 427420712 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #16: Endosulfan I



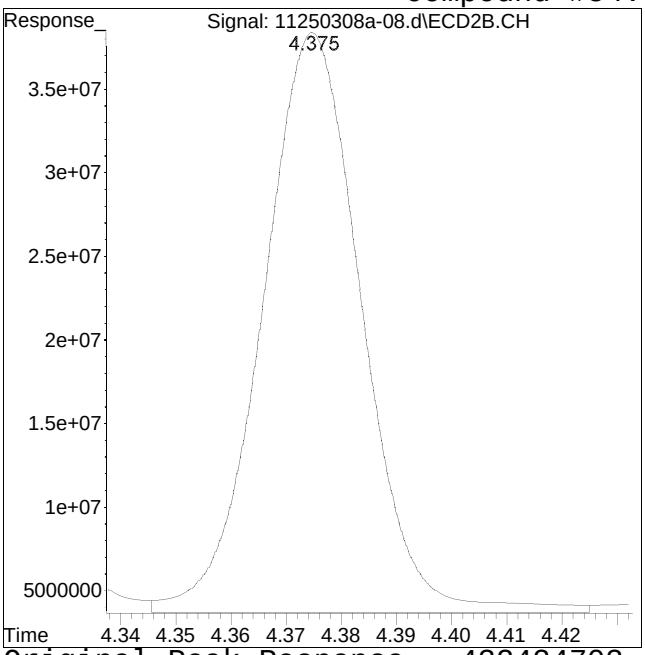


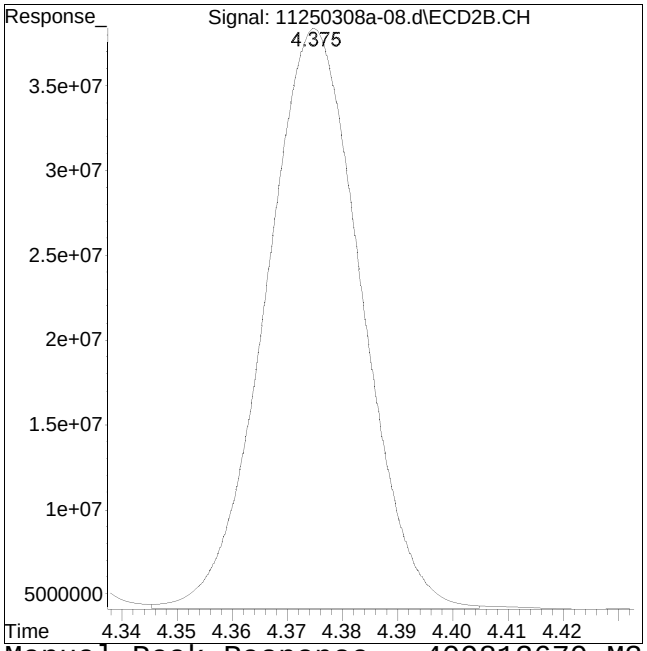
Original Peak Response = 935599382 Manual Peak Response = 891393476 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #54: Endosulfan I #2



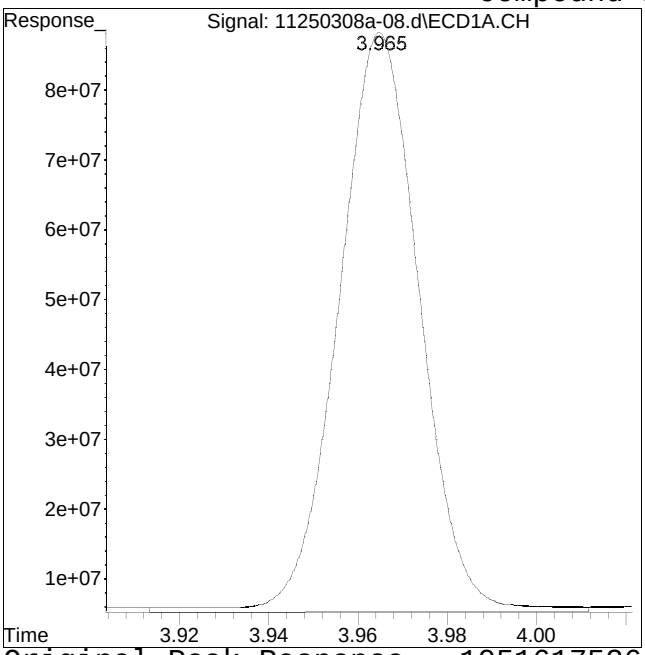


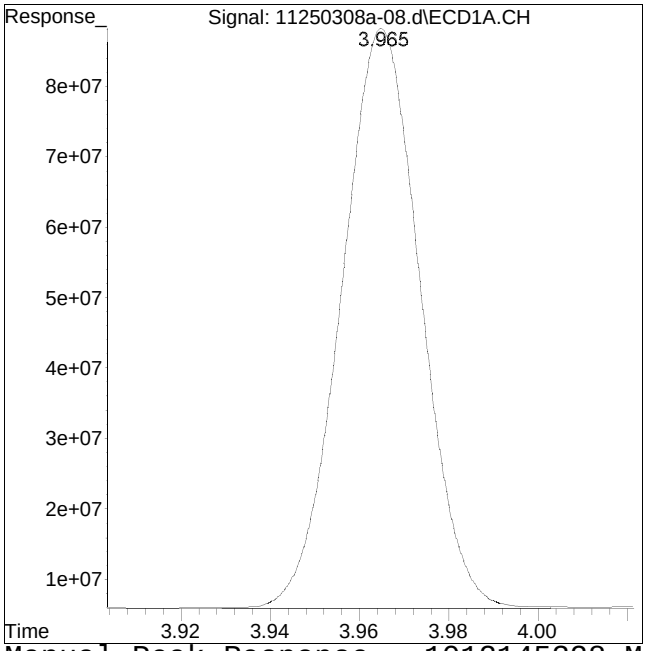
Original Peak Response = 432424703 Manual Peak Response = 409813670 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #17: Dieldrin



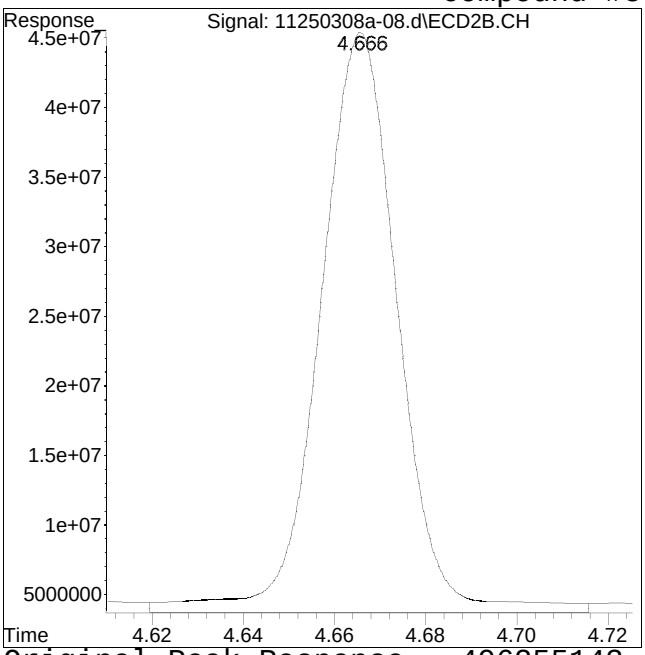


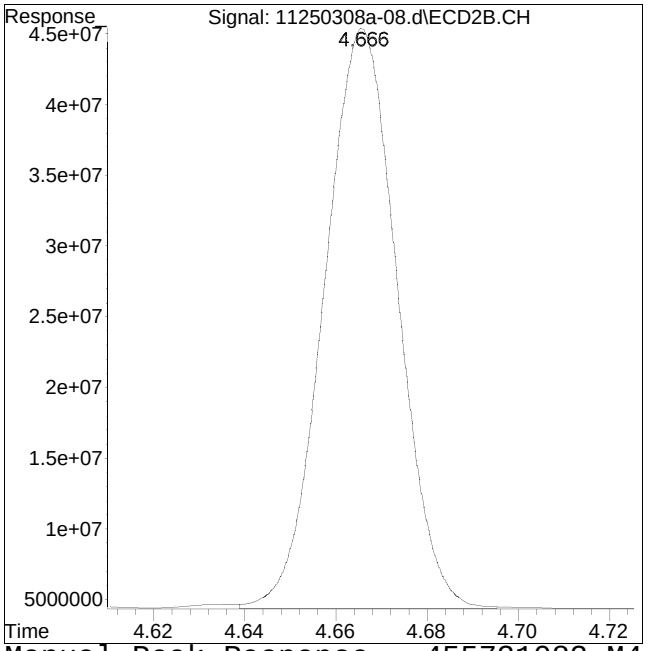
Original Peak Response = 1051617526 Manual Peak Response = 1012145328 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #55: Dieldrin #2



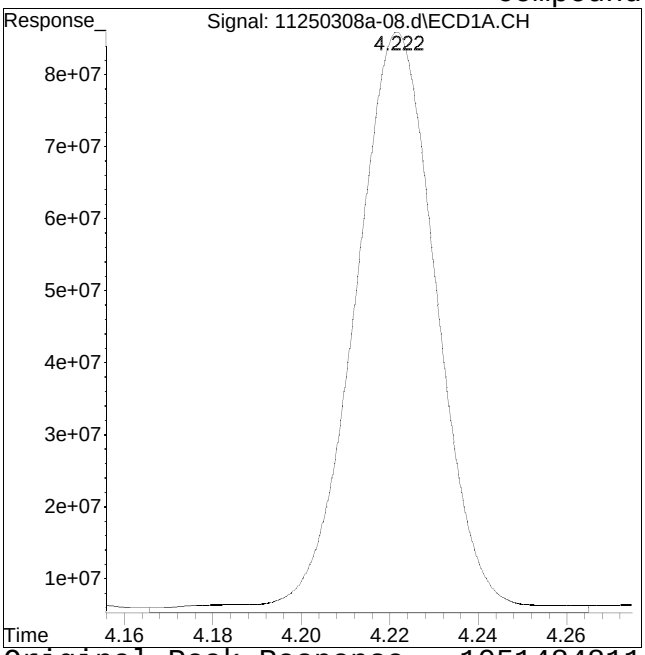


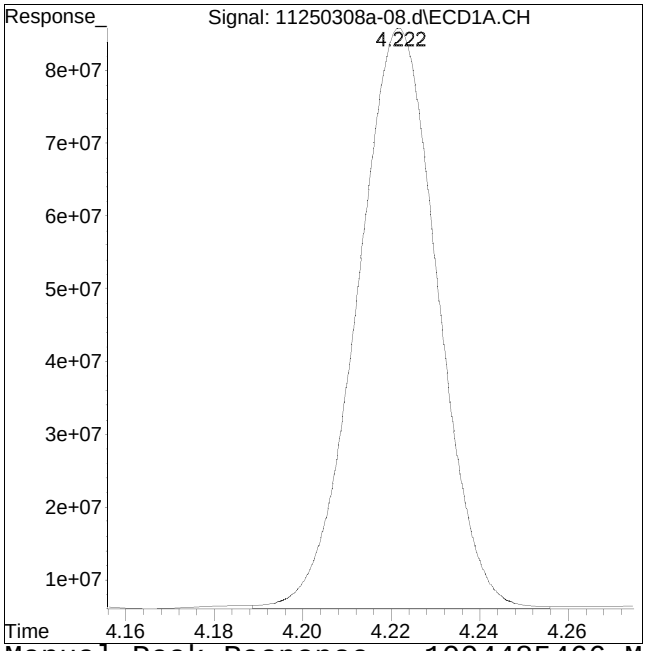
Original Peak Response = 496255143 Manual Peak Response = 455731083 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #18: Endrin



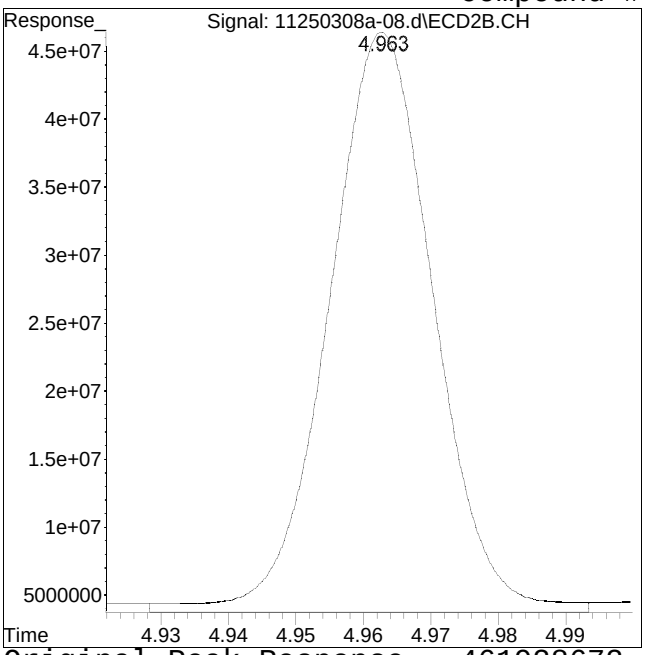


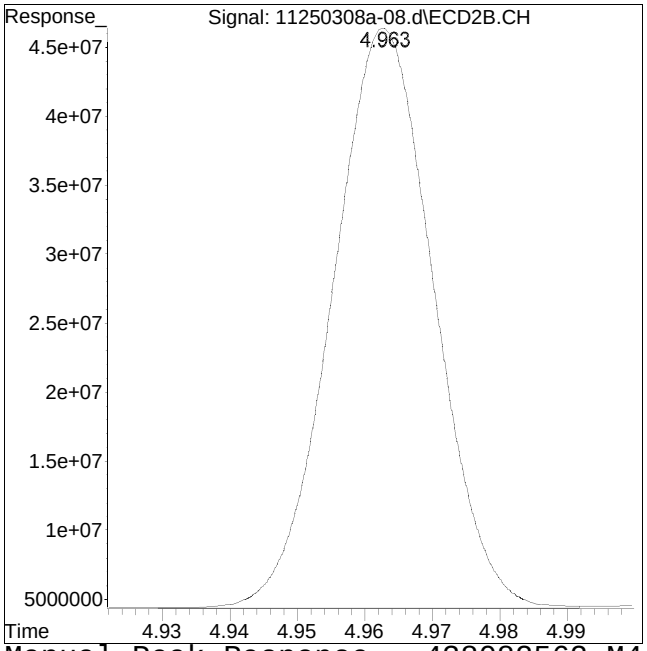
Original Peak Response = 1051484811 Manual Peak Response = 1004485466 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #56: Endrin #2



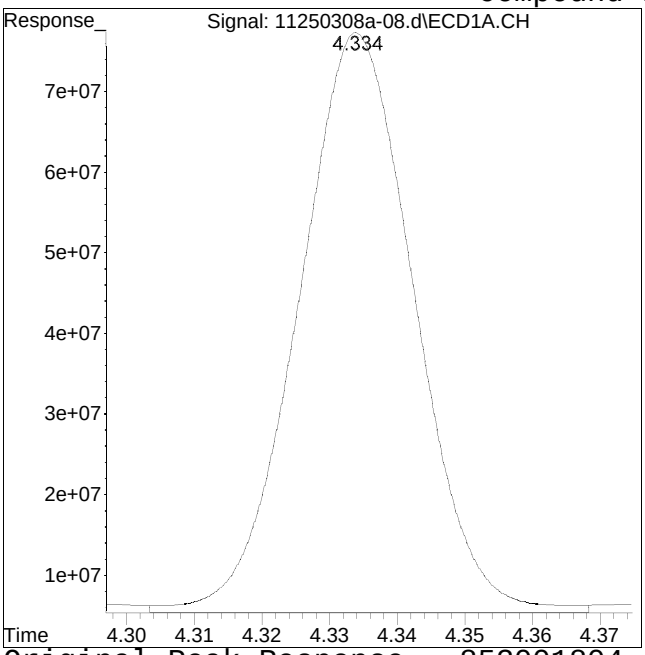


Original Peak Response = 461928672 Manual Peak Response = 438082562 M4
M4 = Poor automated baseline construction.

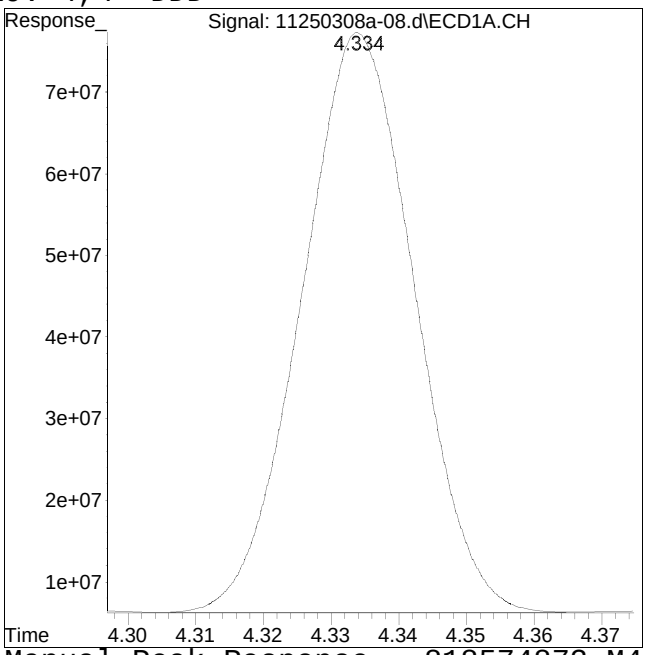
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #19: 4,4'-DDD



Original Peak Response = 853001804

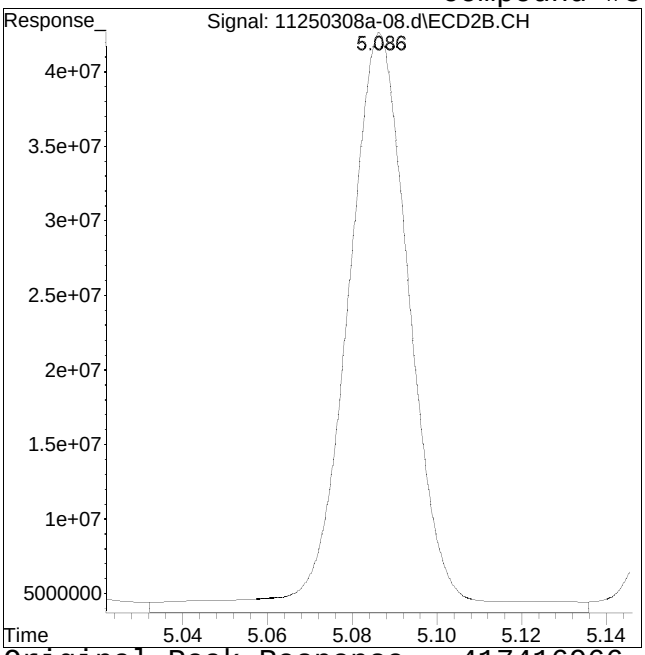


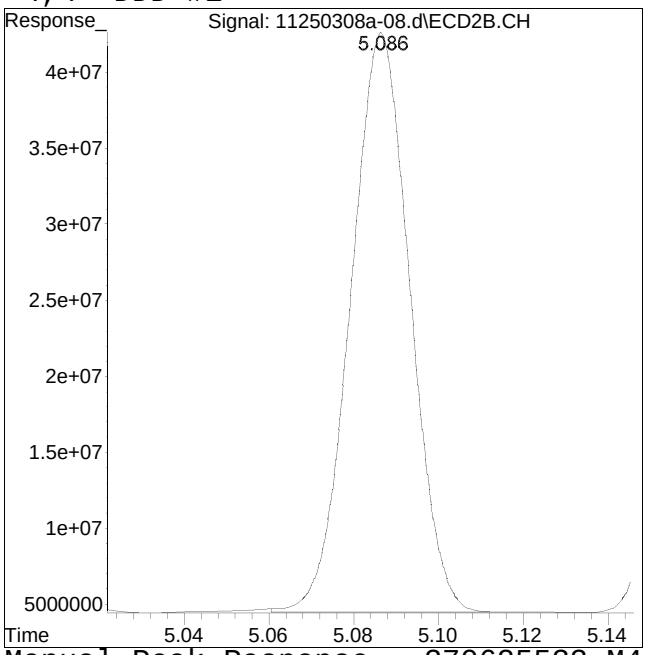
Manual Peak Response = 818574873 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #57: 4,4'-DDD #2



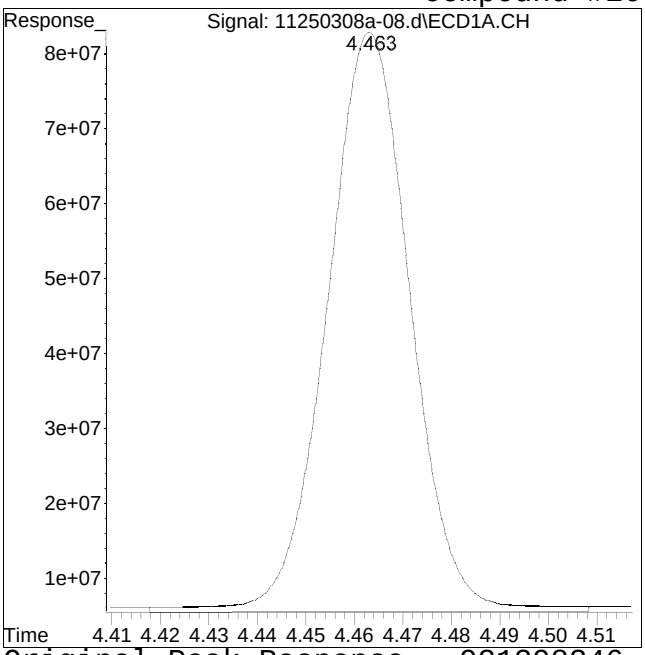


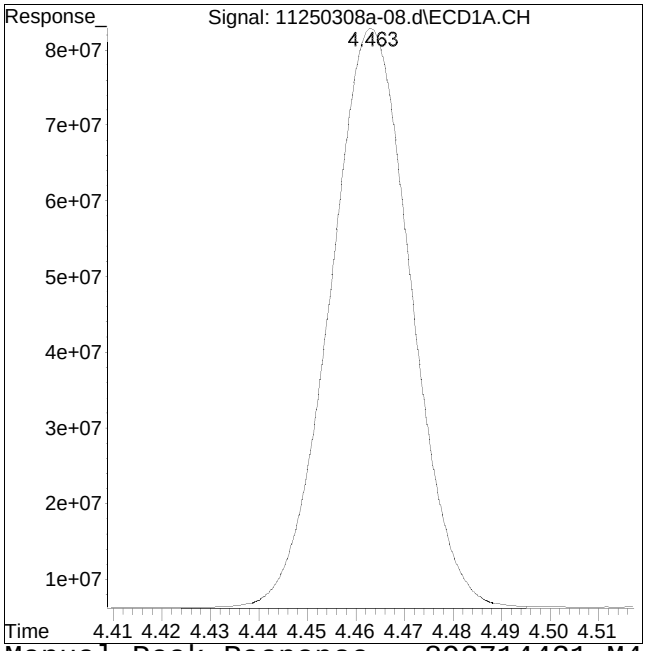
Original Peak Response = 417416966 Manual Peak Response = 370625533 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #20: Endosulfan II



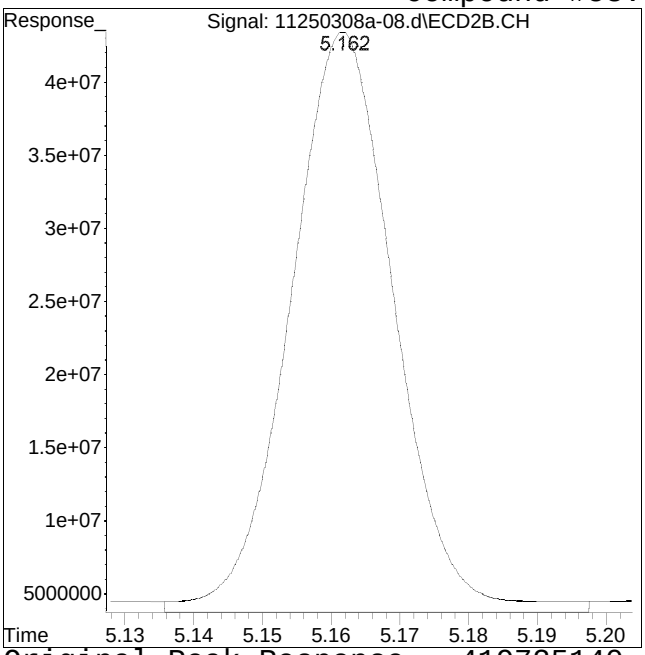


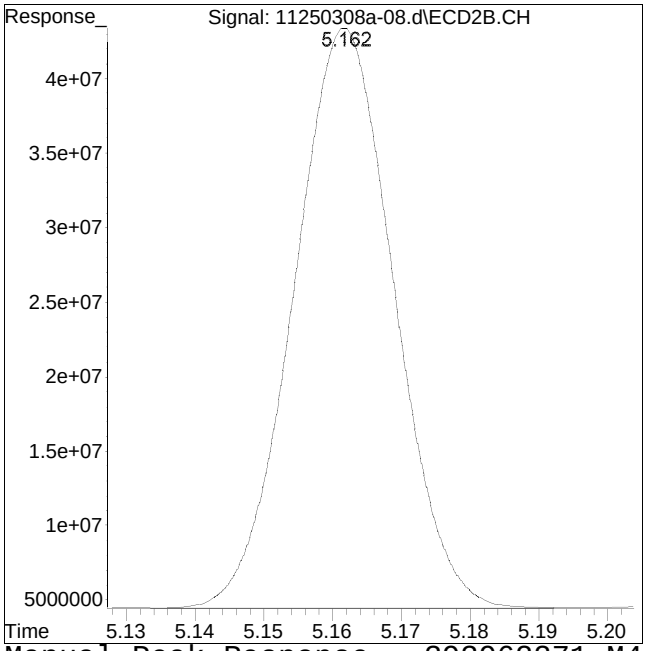
Original Peak Response = 931398346 Manual Peak Response = 892714421 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #58: Endosulfan II #2



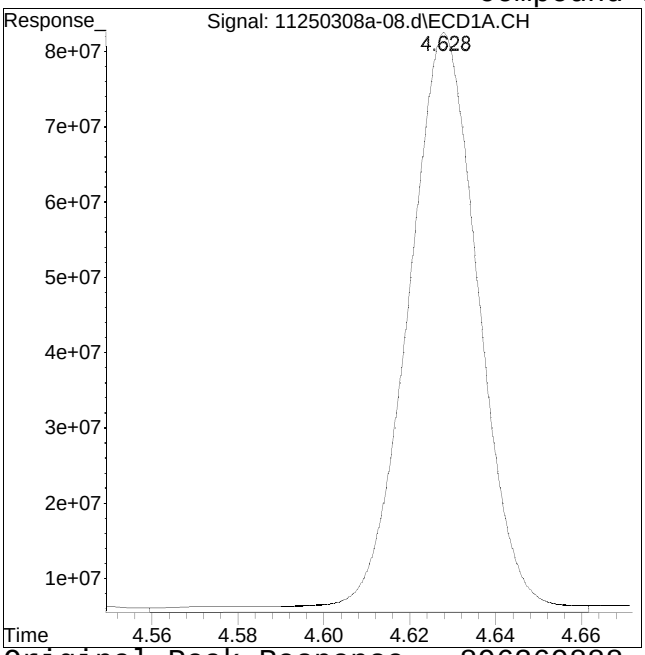


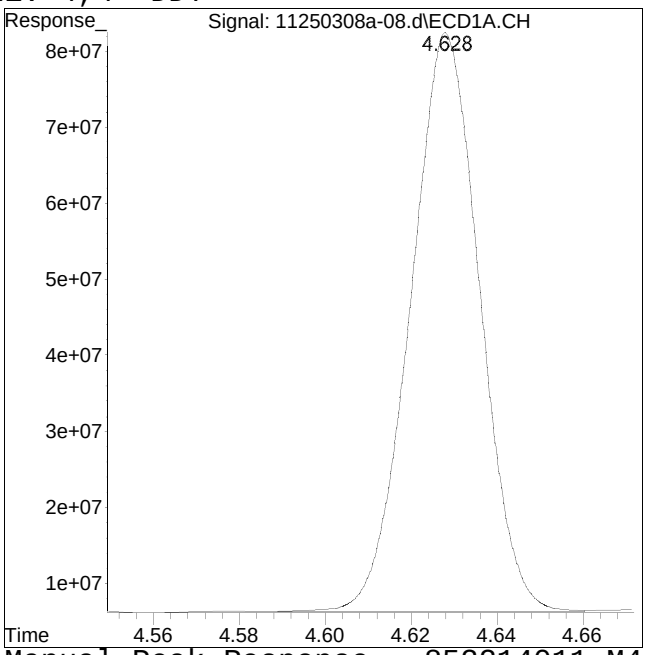
Original Peak Response = 419725140 Manual Peak Response = 393962271 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #21: 4,4'-DDT



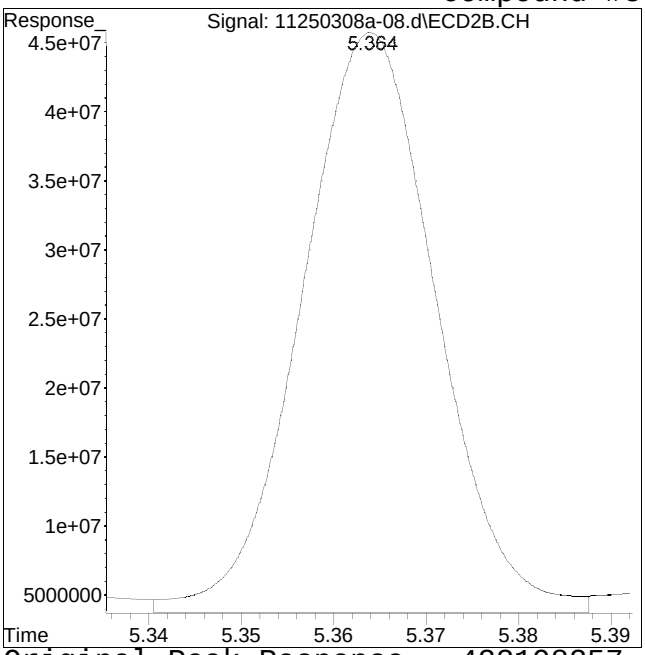


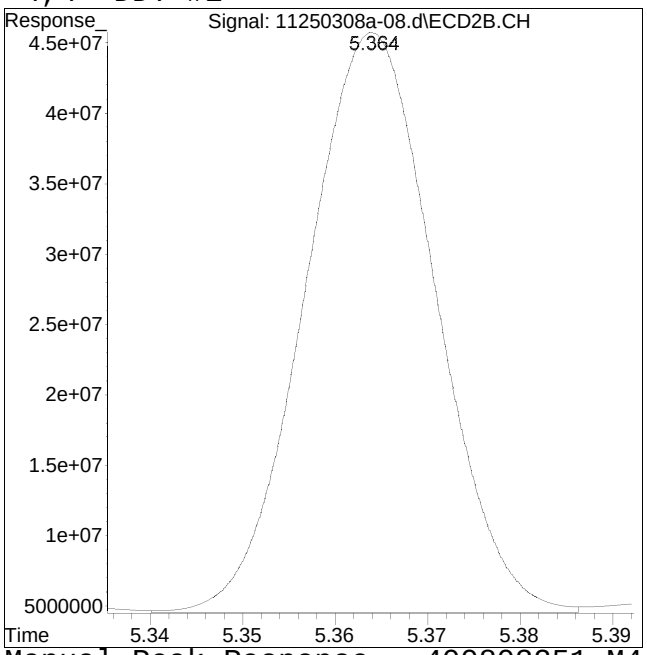
Original Peak Response = 896369888 Manual Peak Response = 852214011 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #59: 4,4'-DDT #2



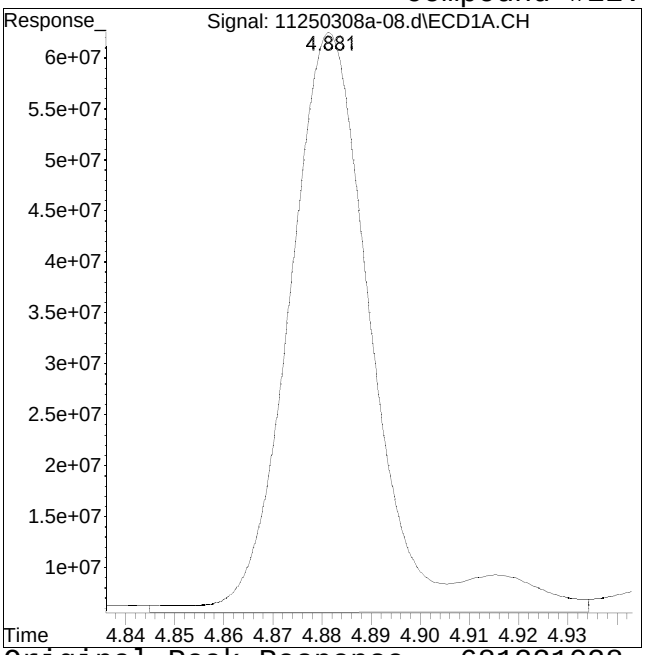


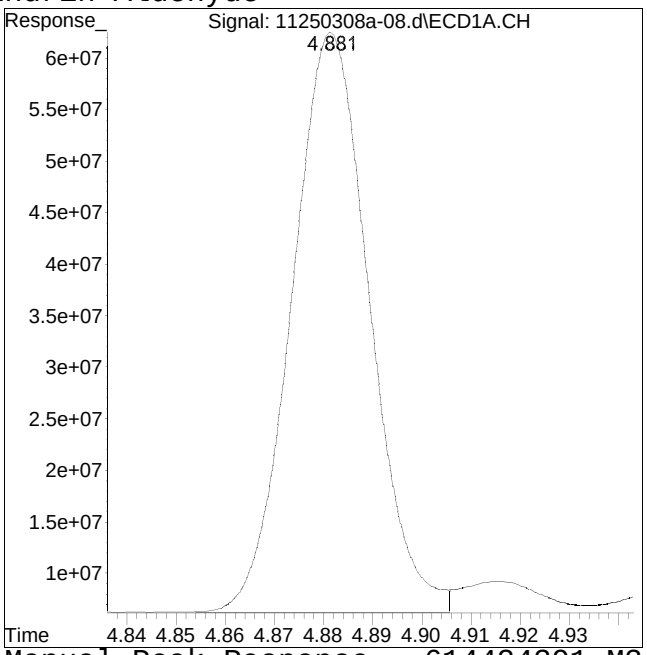
Original Peak Response = 423198257 Manual Peak Response = 400803251 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #22: Endrin Aldehyde



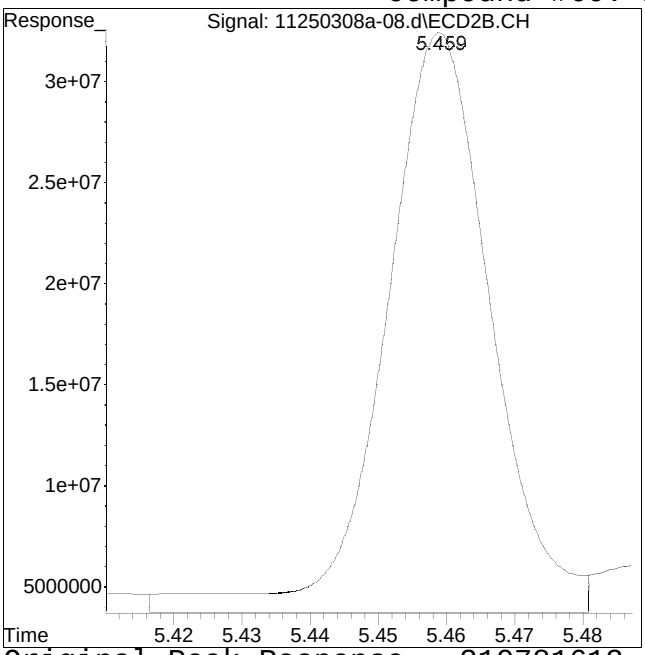


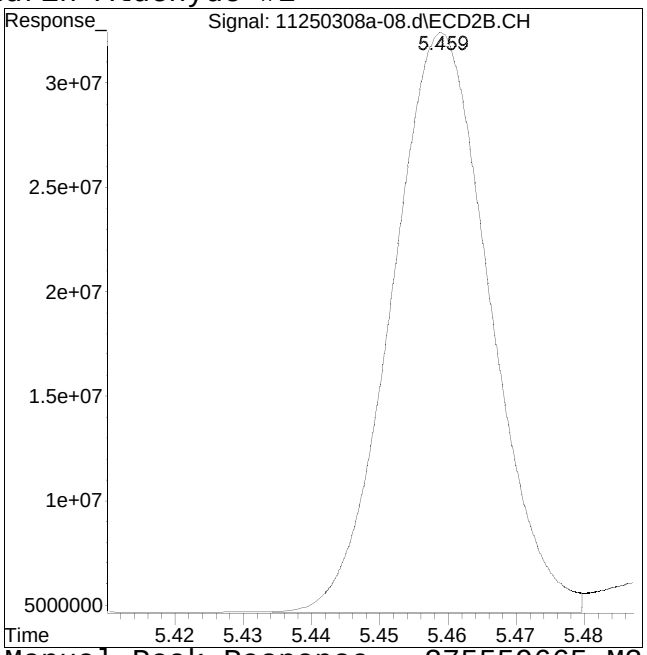
Original Peak Response = 681221028 Manual Peak Response = 614424391 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #60: Endrin Aldehyde #2



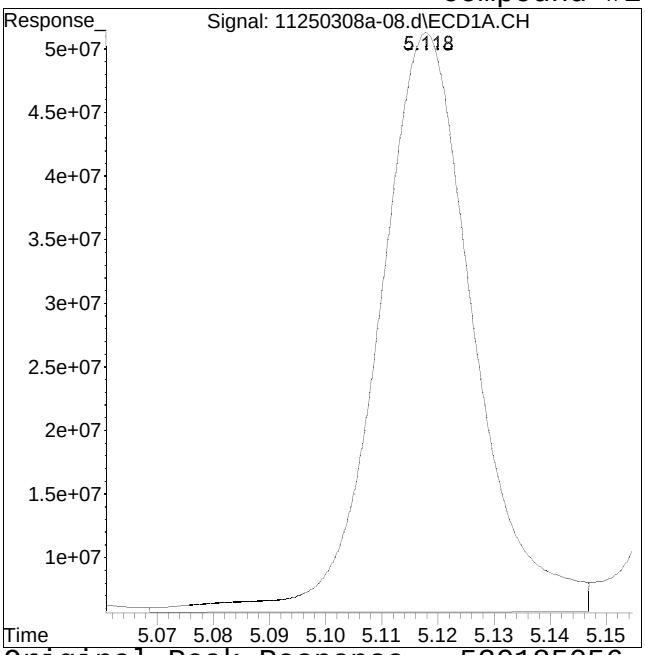


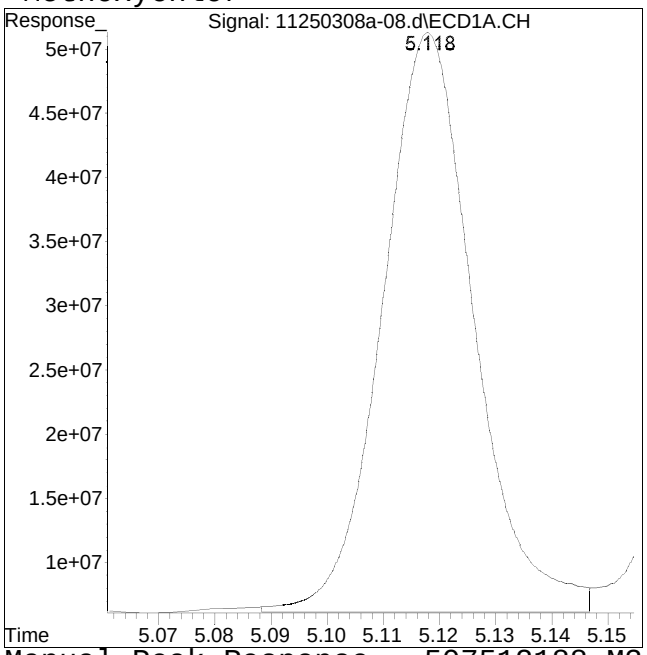
Original Peak Response = 310781612 Manual Peak Response = 275559665 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #23: Methoxychlor



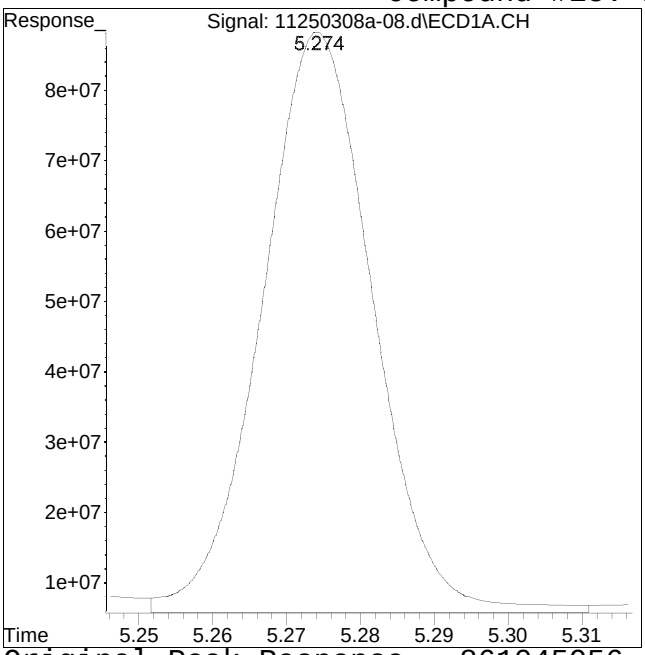


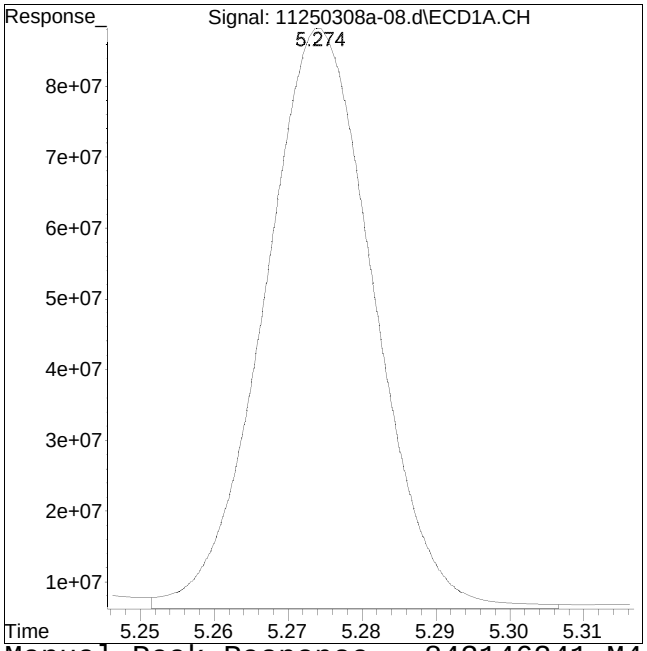
Original Peak Response = 530185056 Manual Peak Response = 507512188 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #25: Endosulfan Sulfate



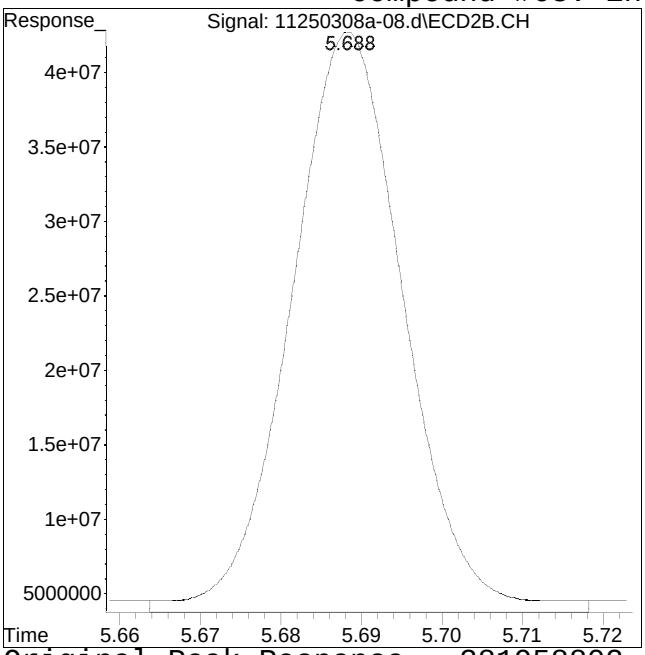


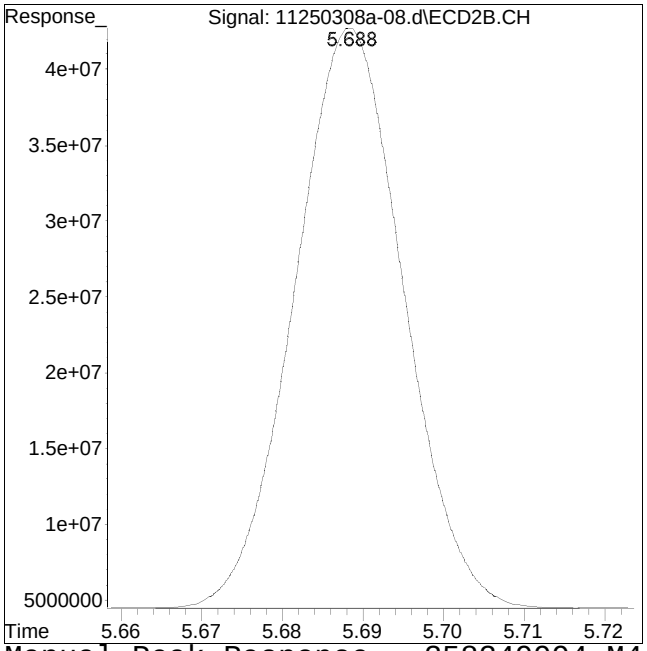
Original Peak Response = 861045956 Manual Peak Response = 843146241 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #63: Endosulfan Sulfate #2



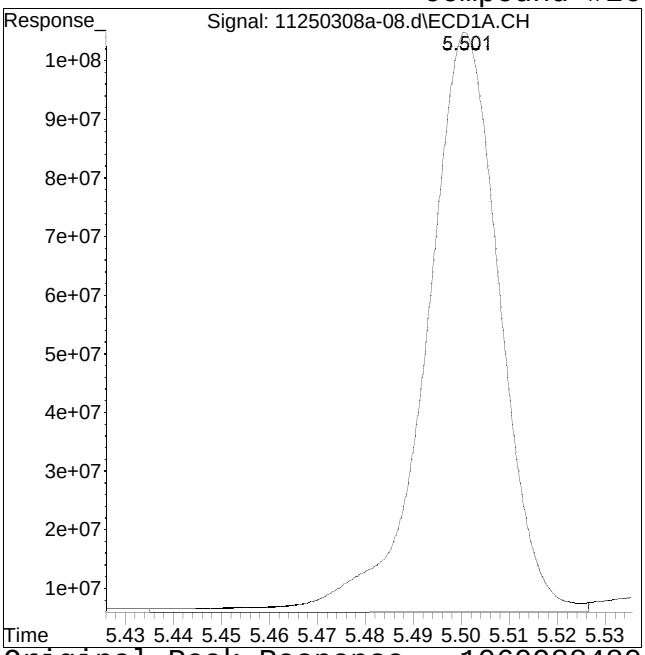


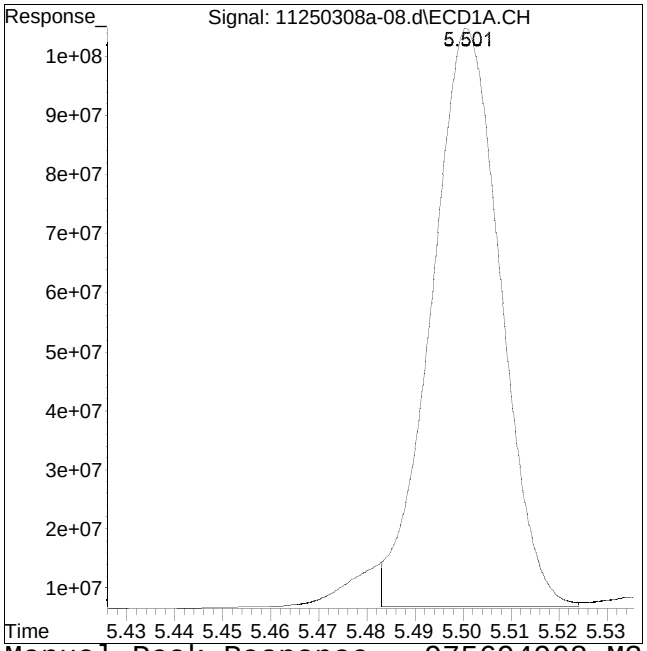
Original Peak Response = 381958802 Manual Peak Response = 358349994 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #26: Endrin Ketone



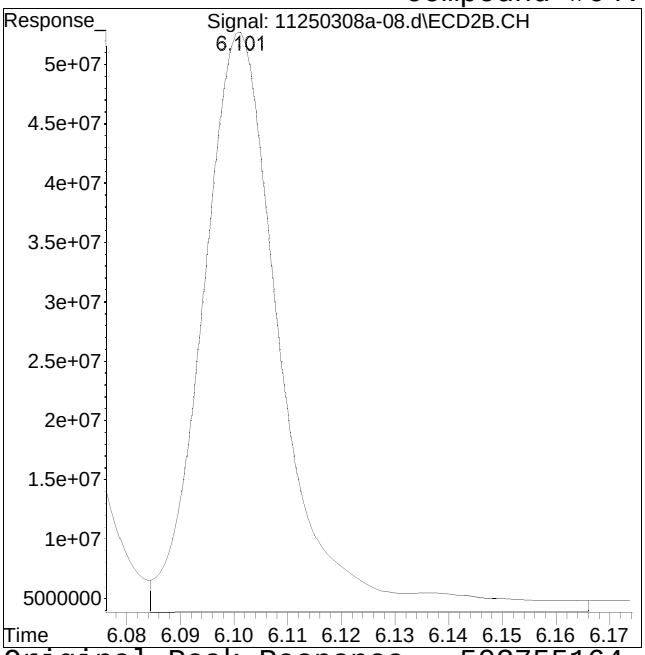


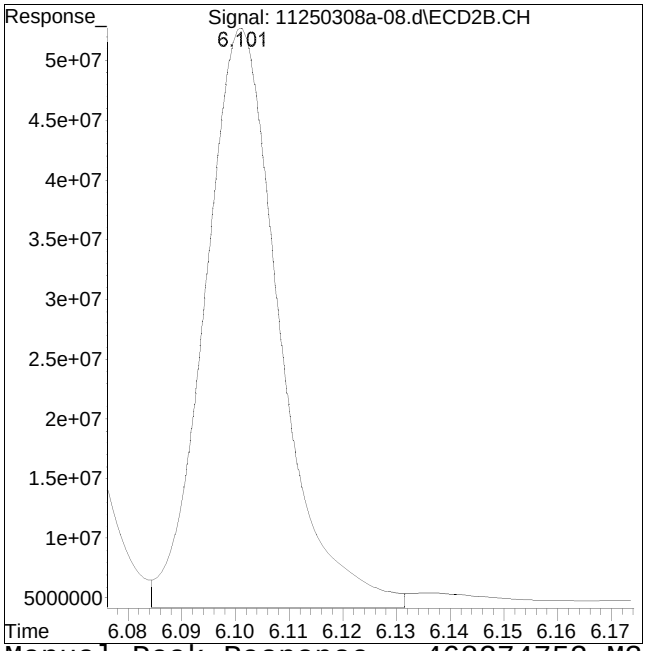
Original Peak Response = 1060988480 Manual Peak Response = 975694908 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #64: Endrin Ketone #2



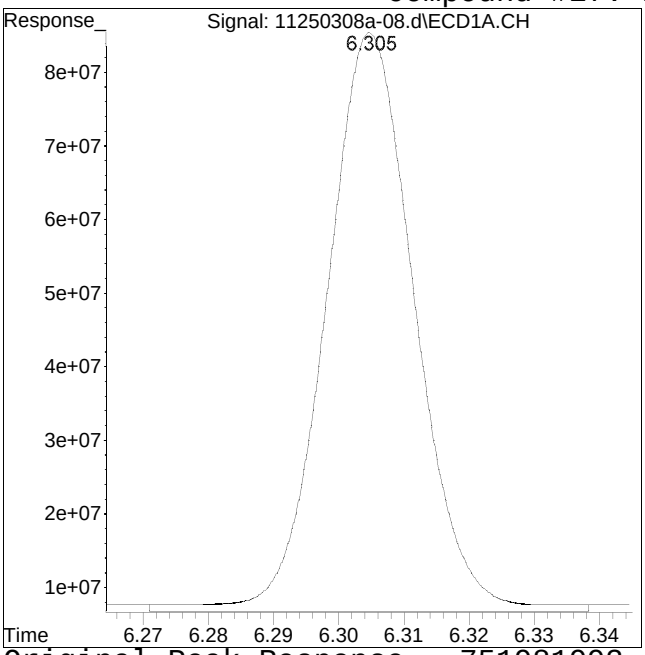


Original Peak Response = 503755164 Manual Peak Response = 468274753 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

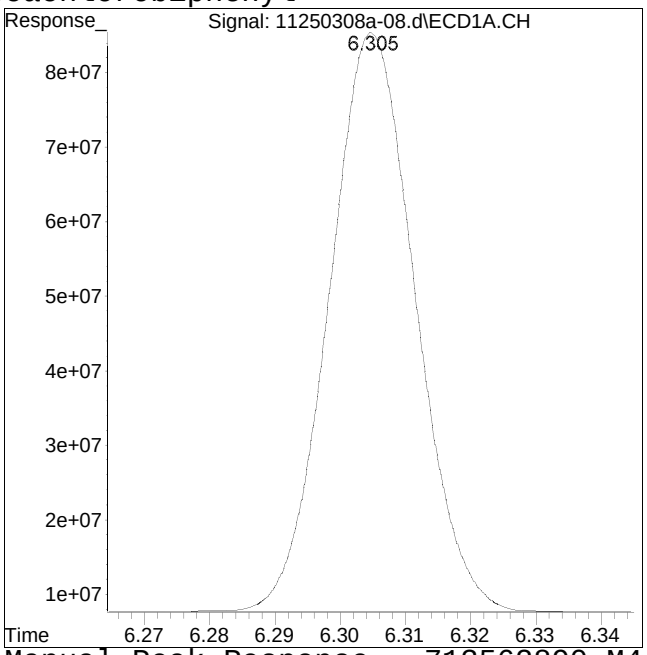
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #27: Decachlorobiphenyl



Original Peak Response = 751981993



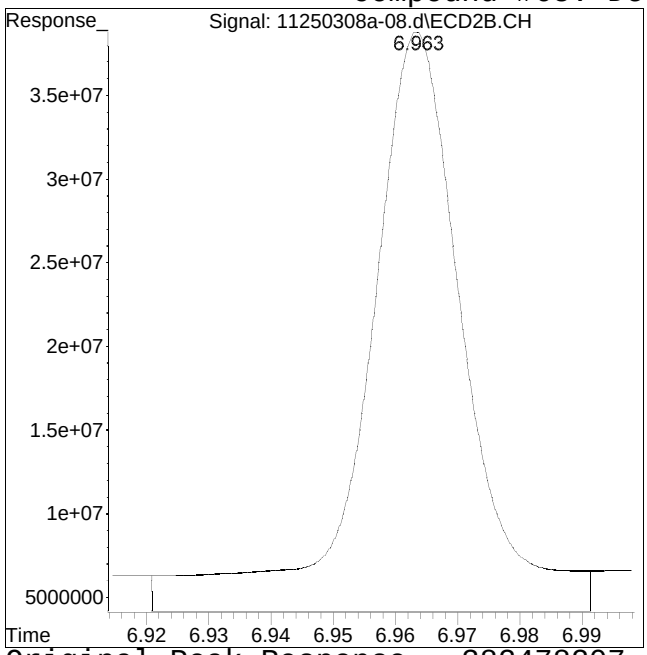
Manual Peak Response = 713562890 M4

M4 = Poor automated baseline construction.

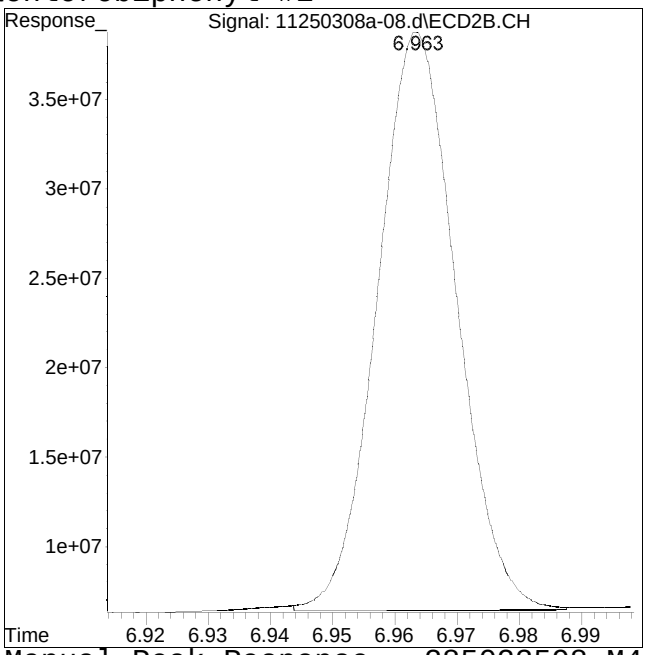
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-08.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:37 Instrument : Pest 11
Sample : WG2037965-2,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 382478207



Manual Peak Response = 285023598 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250309a\
Data File : 20250308a-10.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Mar 2025 13:15
Operator : pest20:akm
Sample : WG2038216-2,42,,
Misc : WG2038287,WG2038216,ical21840
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 10 10:39:19 2025
Quant Method : I:\PEST\Pest20\2025\250309a\pest20_2025_01_03_ugL_ICAL21840.m
Quant Title : pest
QLast Update : Sun Mar 09 12:40:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest20\2025\250309a\20250308a-03.D
Sub List : LCS_MS - spk only

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.899	1.946	101.8E6	160.9E6	25.000M3	25.000
	Standard Area 1 : #1 = 101648590				Recovery = 100.15%		
	Standard Area 1 : #2 = 148895152				Recovery = 108.04%		
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	2.371	2.546	164.3E6	232.8E6	34.391M4	32.481M3
	Spiked Amount 50.000	Range 30 - 150		Recovery = 68.78%		64.96%	
27) s	Decachlorobi	7.267	7.817	179.3E6	241.0E6	44.820M4	40.399M4
	Spiked Amount 50.000	Range 30 - 150		Recovery = 89.64%		80.80%	
Target Compounds							
4)	alpha-BHC	2.761	3.030	256.2E6	371.1E6	43.203M4	40.882M4
5)	gamma-BHC (l	3.005	3.350	238.9E6	359.6E6	41.926M4	41.625M3
6)	beta-BHC	3.074	3.428	111.1E6	162.8E6	40.568M3	39.718M4
7)	delta-BHC	3.223	3.718	185.9E6	240.3E6	33.391M4	28.585M3
8)	Heptachlor	3.410	3.782	196.2E6	266.5E6	35.403M4	32.337M4
9)	Aldrin	3.687	4.125	178.1E6	258.4E6	33.912M4	33.558M4
12)	Heptachlor E	4.296	4.780	199.8E6	280.9E6	39.307M4	37.503M4
13)	gamma-Chlord	4.433	5.004	203.9E6	293.8E6	43.903M3	43.078
14)	alpha-Chlord	4.580	5.165	190.4E6	287.1E6	35.950M3	37.457
15)	4,4'-DDE	4.686	5.353	198.0E6	278.1E6	38.716M4	39.042M4
16)	Endosulfan I	4.728	5.223	186.7E6	272.8E6	38.138M4	37.982M4
17)	Dieldrin	5.001	5.505	213.3E6	312.2E6	42.304M4	42.511
18)	Endrin	5.243	5.795	203.2E6	288.4E6	39.273M4	37.191M4
19)	4,4'-DDD	5.342	5.912	168.4E6	243.4E6	40.922M4	43.109M4
20)	Endosulfan I	5.469	5.990	178.3E6	253.4E6	39.381M3	38.117M3
21)	4,4'-DDT	5.618	6.184	157.1E6	251.8E6	35.256M4	37.940M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250309a\
Data File : 20250308a-10.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Mar 2025 13:15
Operator : pest20:akm
Sample : WG2038216-2,42,,
Misc : WG2038287,WG2038216,ical21840
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 10 10:39:19 2025
Quant Method : I:\PEST\Pest20\2025\250309a\pest20_2025_01_03_ugL_ICAL21840.m
Quant Title : pest
QLast Update : Sun Mar 09 12:40:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest20\2025\250309a\20250308a-03.D
Sub List : LCS_MS - spk only

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
22) Endrin Aldeh	5.867	6.281	118.7E6	173.0E6	34.245M4	32.939M4
23) Methoxychlor	6.082	6.743	87907969	123.7E6	34.151M3	34.640M4
25) Endosulfan S	6.247	6.508	157.6E6	228.6E6	36.325M3	36.152M4
26) Endrin Keton	6.472	6.923	193.8E6	315.3E6	39.129M4	43.552
Sum chlordane-1			0	0	N.D.	N.D.
Average chlordane-1					0.000	0.000
Sum toxaphene-1			0	0	N.D.	N.D.
Average toxaphene-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum toxaphene-1			0	0	N.D.	N.D.
Average toxaphene-1					0.000	0.000

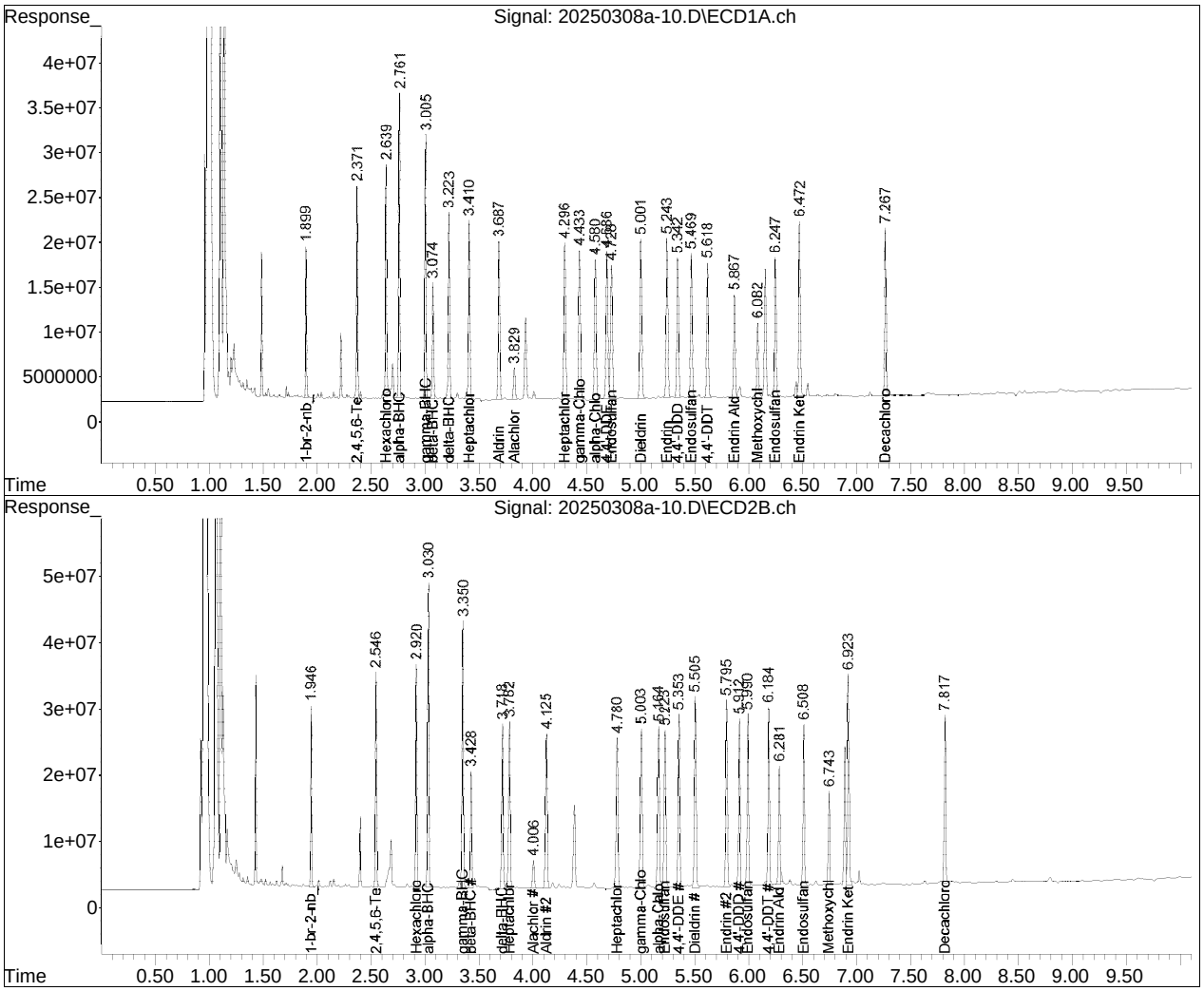
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : LCS_MS - spk only0\2025\250309a\20250308a-03.D•

Data Path : I:\PEST\Pest20\2025\250309a\
Data File : 20250308a-10.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Mar 2025 13:15
Operator : pest20:akm
Sample : WG2038216-2,42,,
Misc : WG2038287,WG2038216,ical21840
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 10 10:39:19 2025
Quant Method : I:\PEST\Pest20\2025\250309a\pest20_2025_01_03_ugL_ICAL21840.m
Quant Title : pest
QLast Update : Sun Mar 09 12:40:15 2025
Response via : Initial Calibration
Integrator: ChemStation

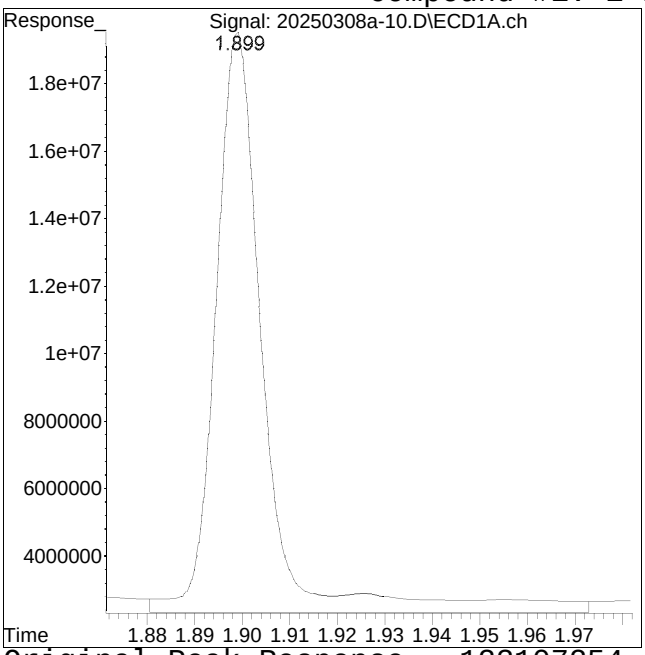
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

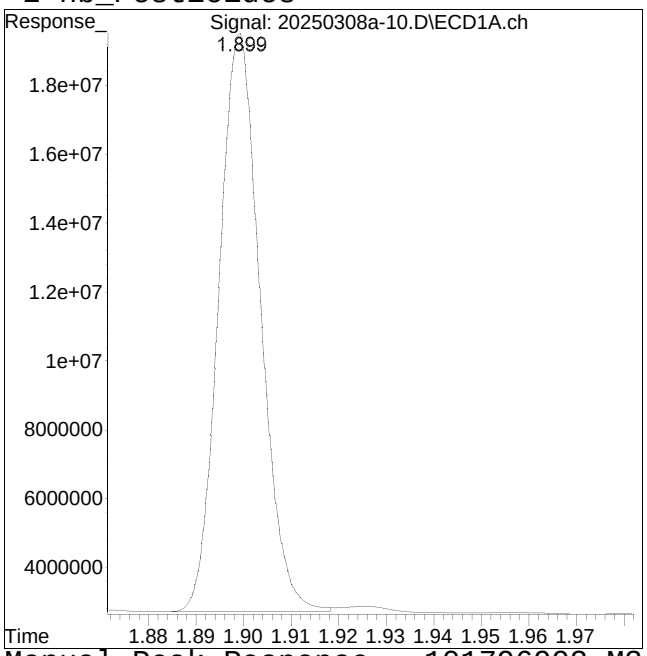


Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-10.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:15 Instrument : PEST 20
Sample : WG2038216-2,42,, Quant Date : 3/10/2025 10:39 am

Compound #1: 1-br-2-nb_Pesticides



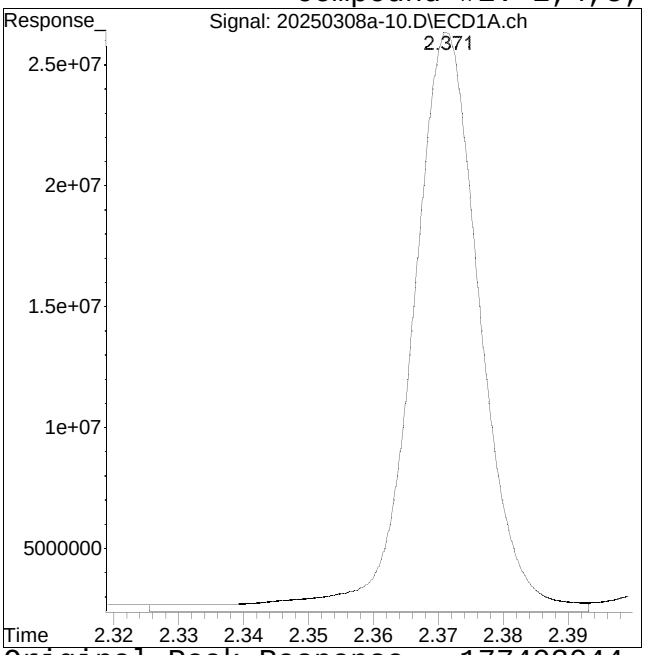


Original Peak Response = 123107254 Manual Peak Response = 101796992 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

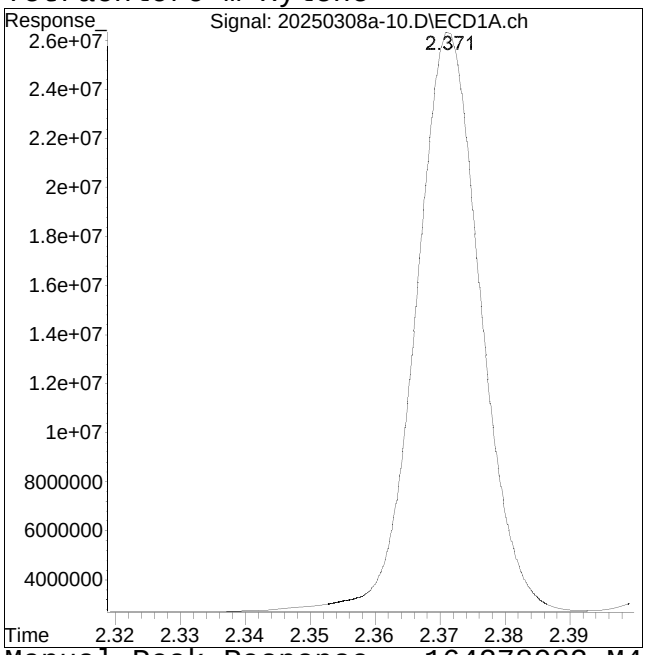
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-10.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:15 Instrument : PEST 20
Sample : WG2038216-2,42,, Quant Date : 3/10/2025 10:39 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 177403044



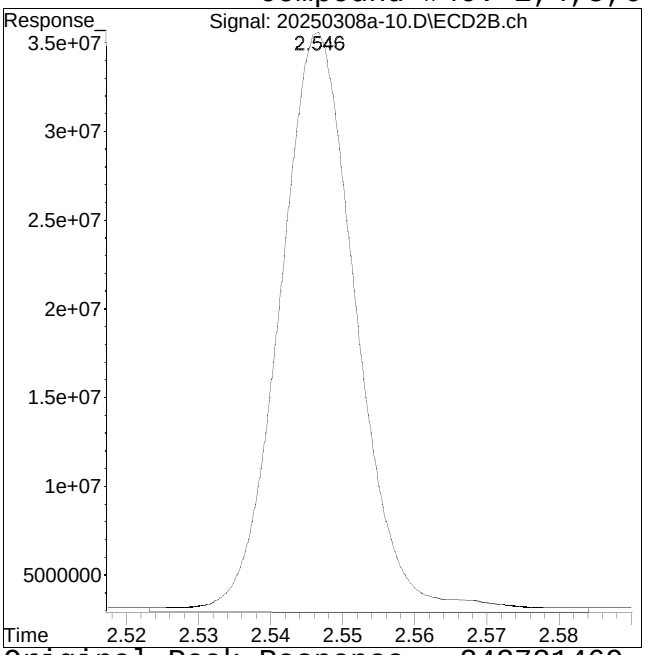
Manual Peak Response = 164278082 M4

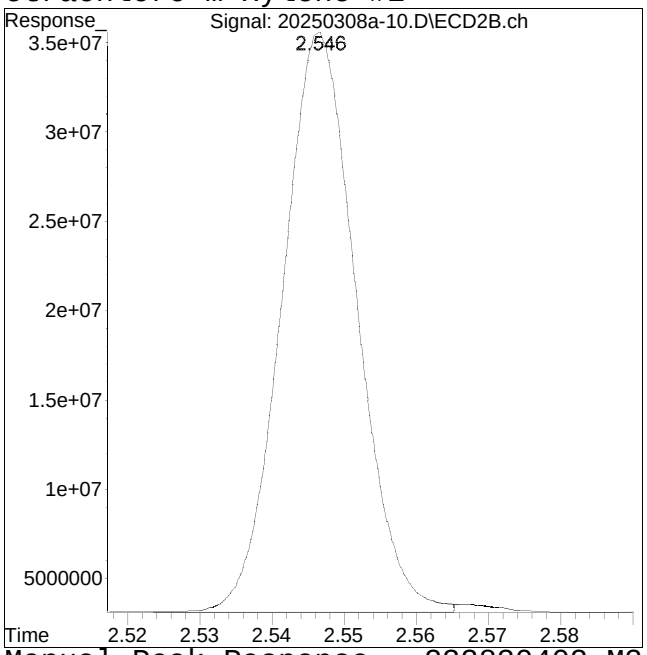
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-10.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:15 Instrument : PEST 20
Sample : WG2038216-2,42,, Quant Date : 3/10/2025 10:39 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



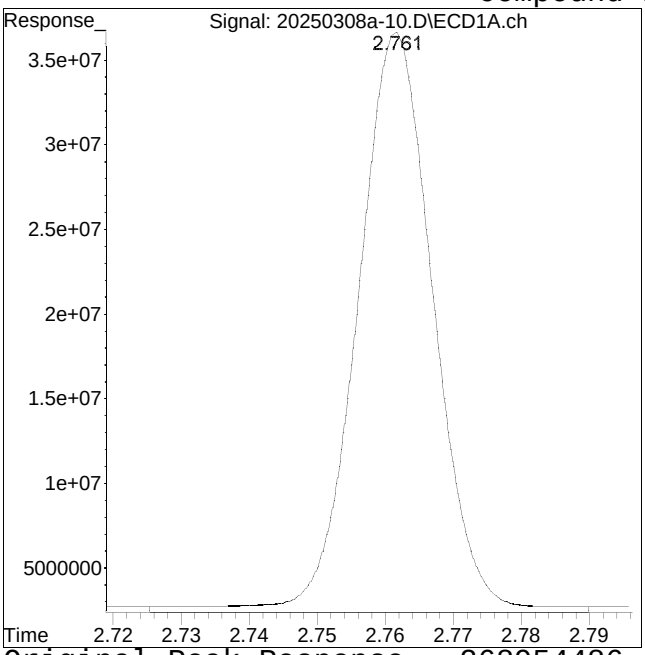


Original Peak Response = 242721469 Manual Peak Response = 232830402 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

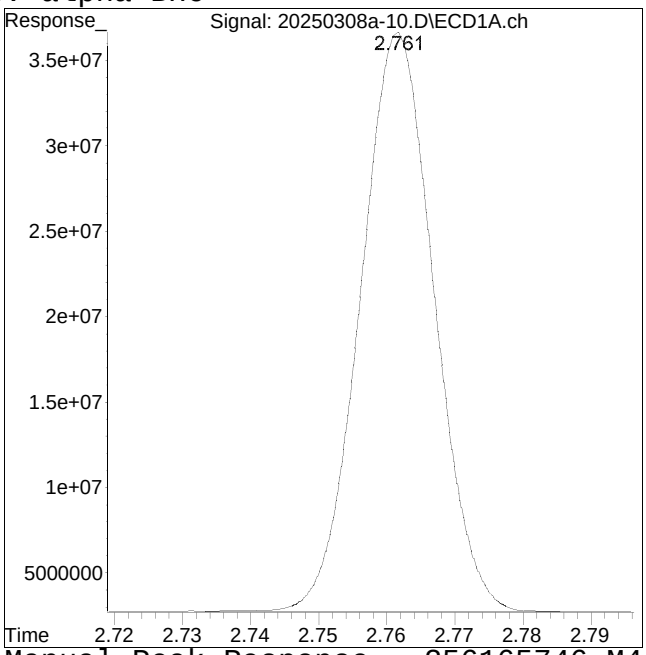
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-10.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:15 Instrument : PEST 20
Sample : WG2038216-2,42,, Quant Date : 3/10/2025 10:39 am

Compound #4: alpha-BHC



Original Peak Response = 268954486



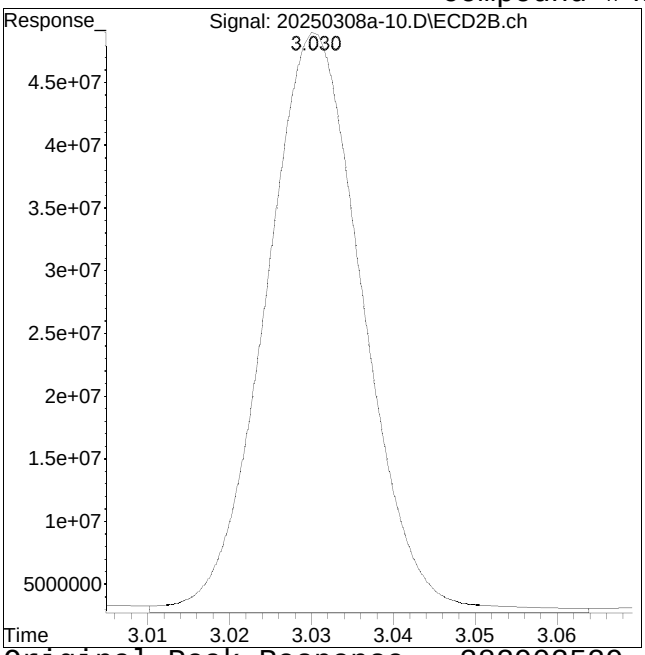
Manual Peak Response = 256165746 M4

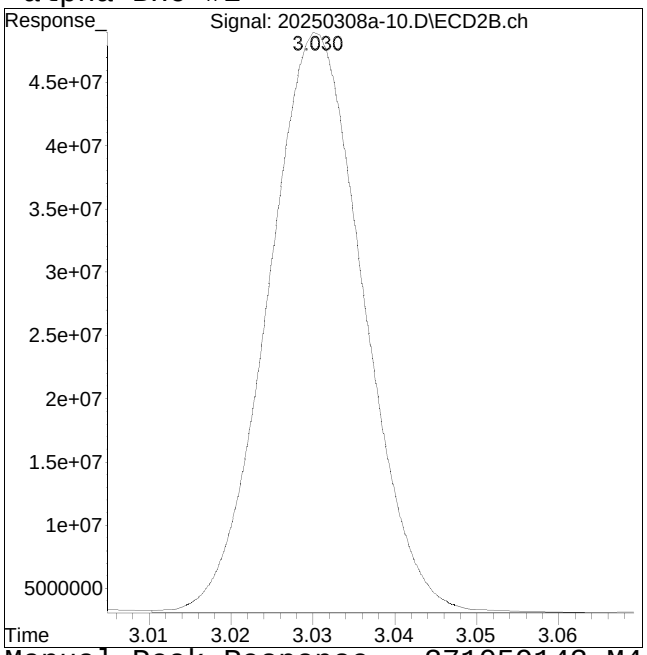
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-10.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:15 Instrument : PEST 20
Sample : WG2038216-2,42,, Quant Date : 3/10/2025 10:39 am

Compound #42: alpha-BHC #2



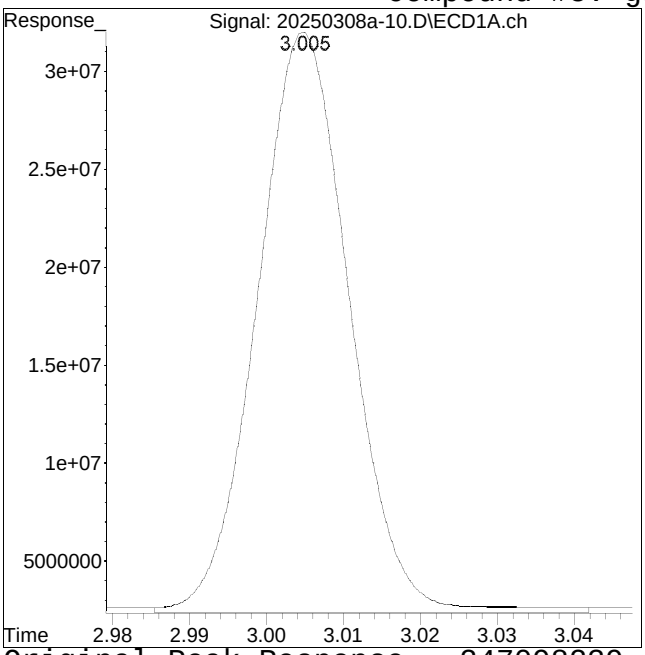


Original Peak Response = 382902529 Manual Peak Response = 371059143 M4
M4 = Poor automated baseline construction.

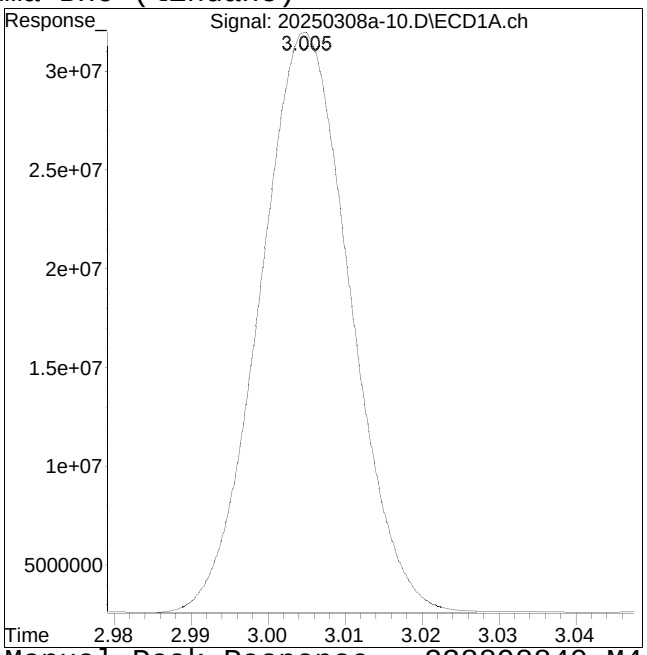
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-10.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:15 Instrument : PEST 20
Sample : WG2038216-2,42,, Quant Date : 3/10/2025 10:39 am

Compound #5: gamma-BHC (lindane)



Original Peak Response = 247098239



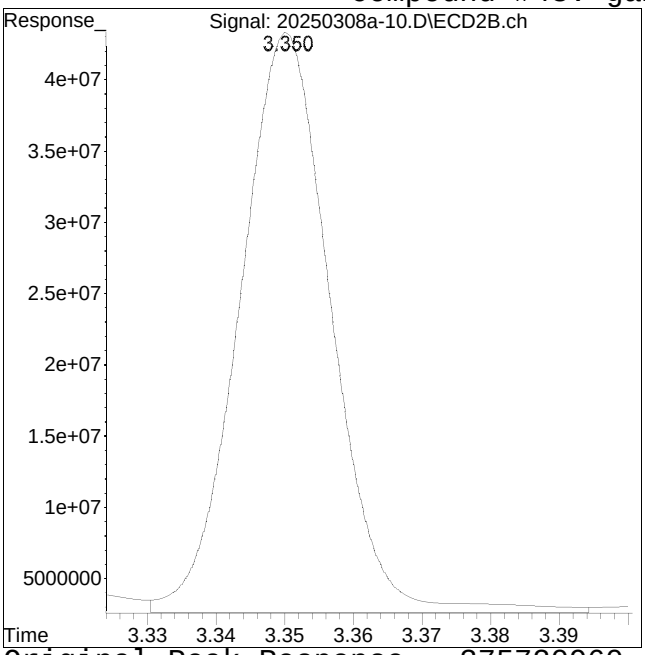
Manual Peak Response = 238898840 M4

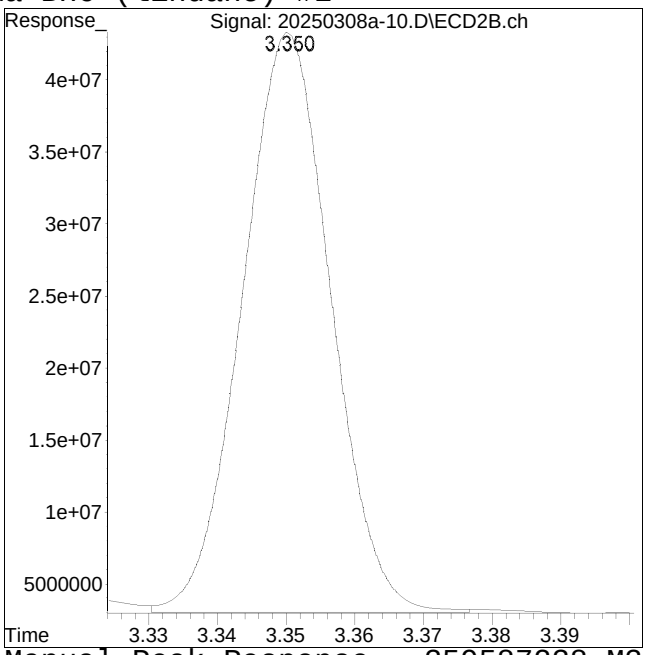
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-10.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:15 Instrument : PEST 20
Sample : WG2038216-2,42,, Quant Date : 3/10/2025 10:39 am

Compound #43: gamma-BHC (lindane) #2



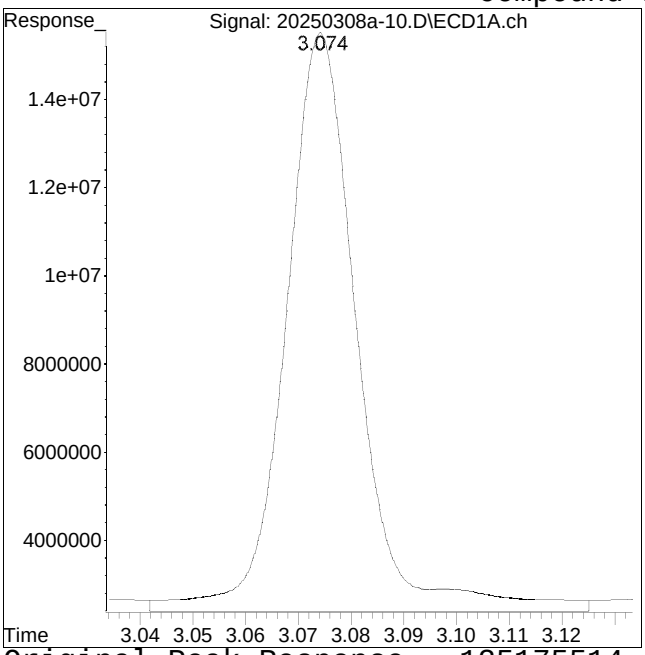


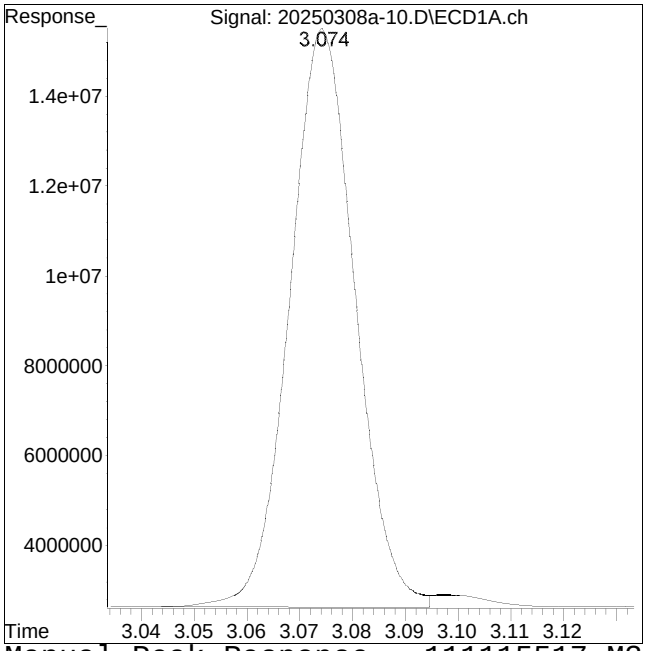
Original Peak Response = 375720960 Manual Peak Response = 359587238 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-10.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:15 Instrument : PEST 20
Sample : WG2038216-2,42,, Quant Date : 3/10/2025 10:39 am

Compound #6: beta-BHC



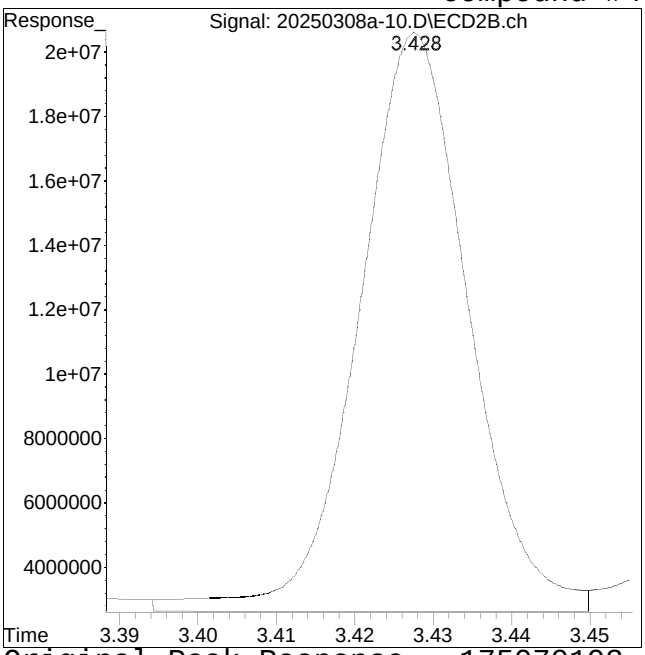


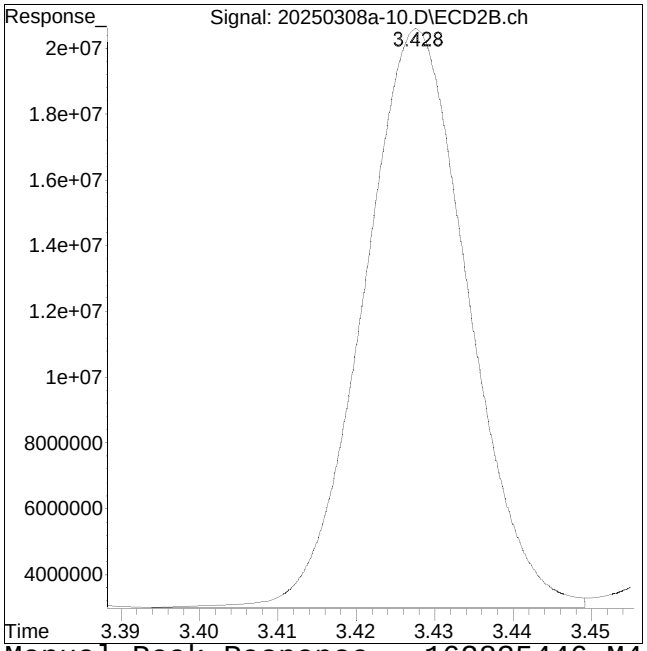
Original Peak Response = 125175514 Manual Peak Response = 111115517 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-10.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:15 Instrument : PEST 20
Sample : WG2038216-2,42,, Quant Date : 3/10/2025 10:39 am

Compound #44: beta-BHC #2



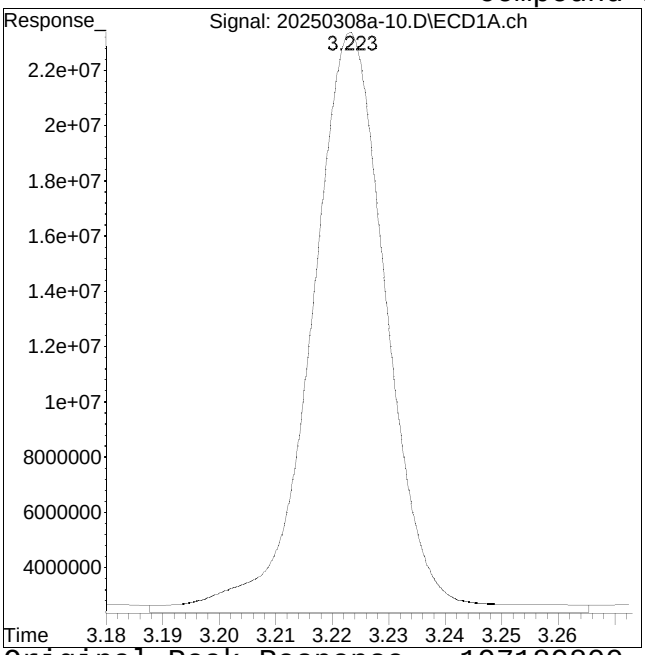


Original Peak Response = 175070193 Manual Peak Response = 162835446 M4
M4 = Poor automated baseline construction.

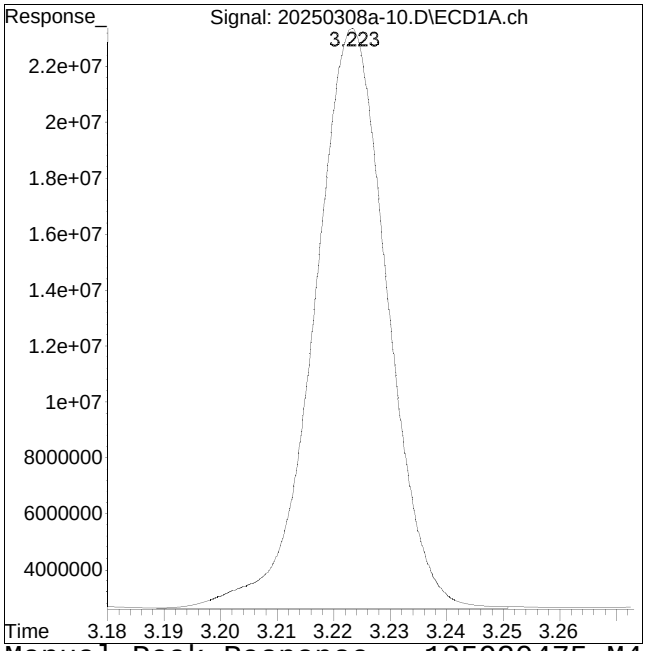
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-10.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:15 Instrument : PEST 20
Sample : WG2038216-2,42,, Quant Date : 3/10/2025 10:39 am

Compound #7: delta-BHC



Original Peak Response = 197189800



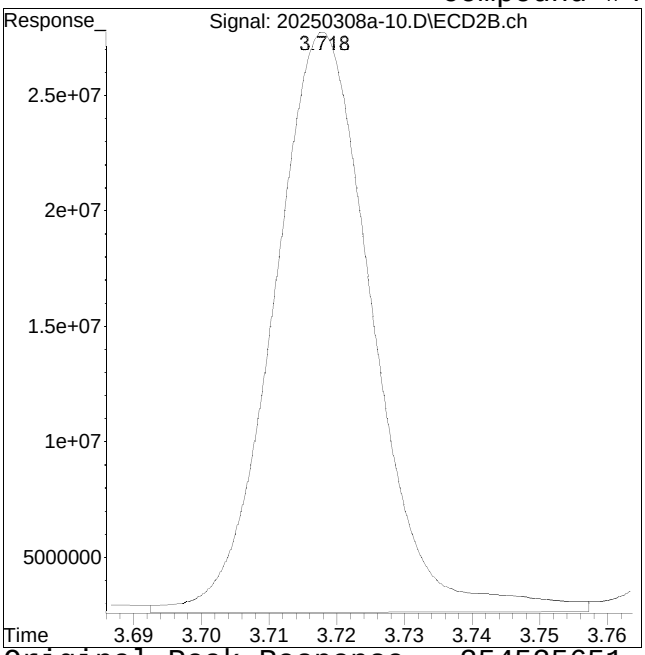
Manual Peak Response = 185920475 M4

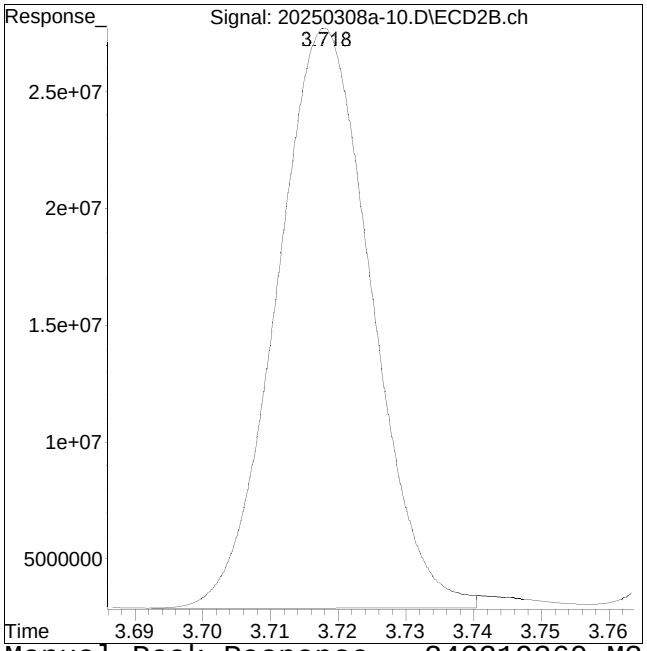
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-10.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:15 Instrument : PEST 20
Sample : WG2038216-2,42,, Quant Date : 3/10/2025 10:39 am

Compound #45: delta-BHC #2



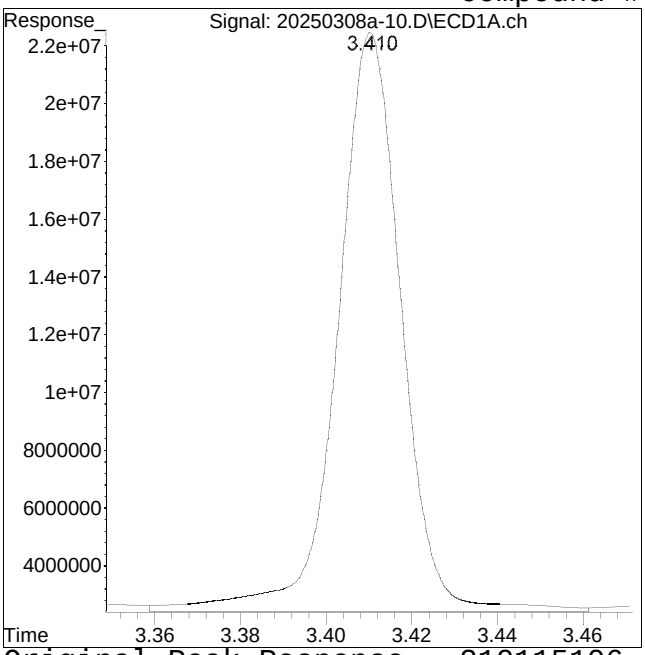


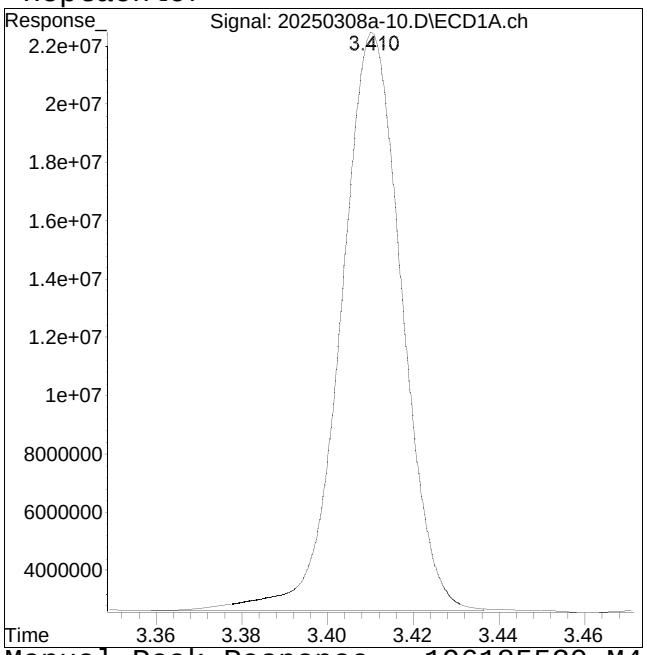
Original Peak Response = 254525651 Manual Peak Response = 240319360 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-10.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:15 Instrument : PEST 20
Sample : WG2038216-2,42,, Quant Date : 3/10/2025 10:39 am

Compound #8: Heptachlor



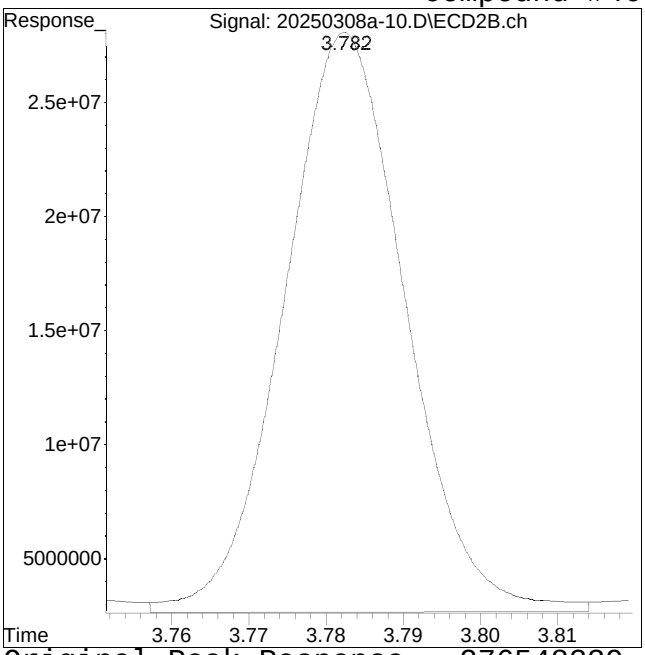


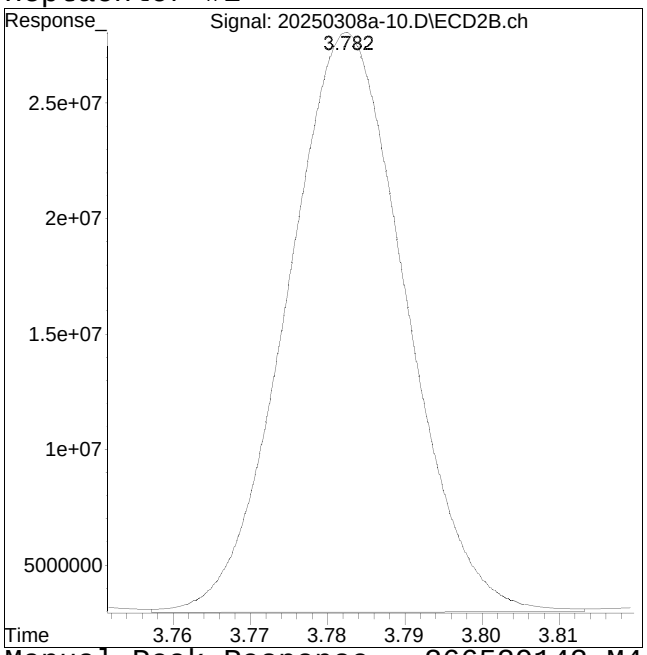
Original Peak Response = 210115106 Manual Peak Response = 196185520 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-10.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:15 Instrument : PEST 20
Sample : WG2038216-2,42,, Quant Date : 3/10/2025 10:39 am

Compound #46: Heptachlor #2



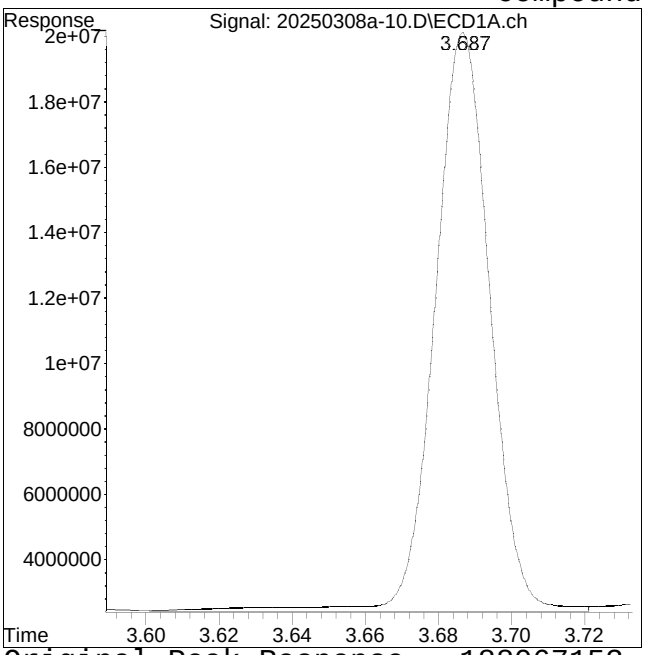


Original Peak Response = 276548339 Manual Peak Response = 266529142 M4
M4 = Poor automated baseline construction.

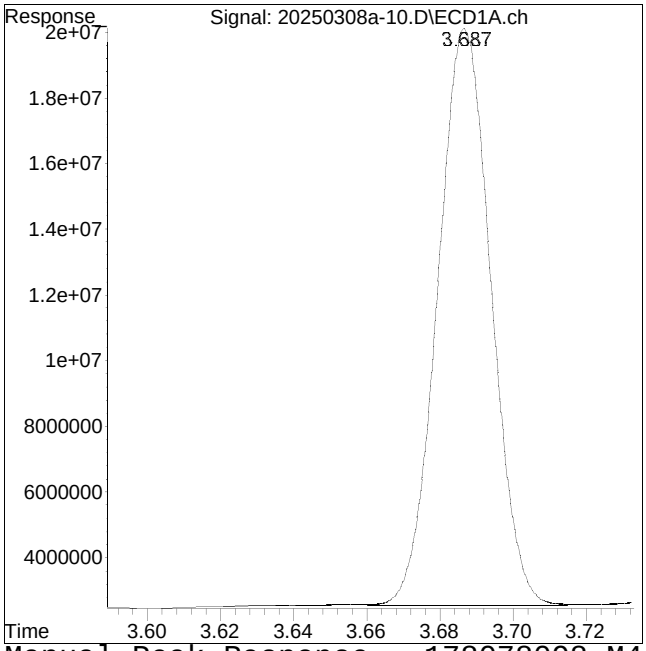
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-10.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:15 Instrument : PEST 20
Sample : WG2038216-2,42,, Quant Date : 3/10/2025 10:39 am

Compound #9: Aldrin



Original Peak Response = 188067153



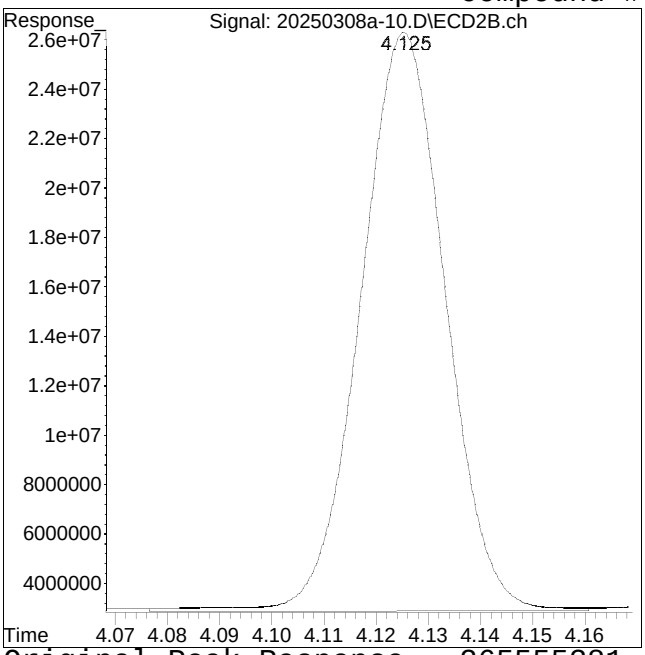
Manual Peak Response = 178078098 M4

M4 = Poor automated baseline construction.

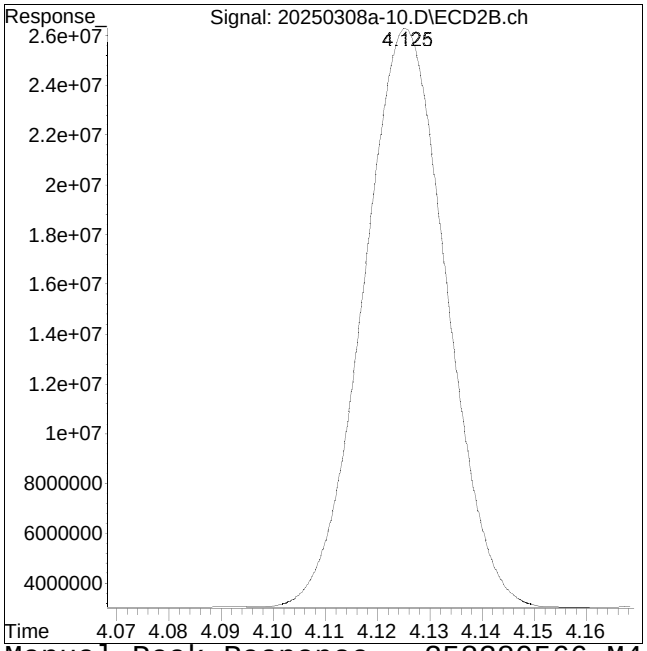
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-10.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:15 Instrument : PEST 20
Sample : WG2038216-2,42,, Quant Date : 3/10/2025 10:39 am

Compound #47: Aldrin #2



Original Peak Response = 265555381



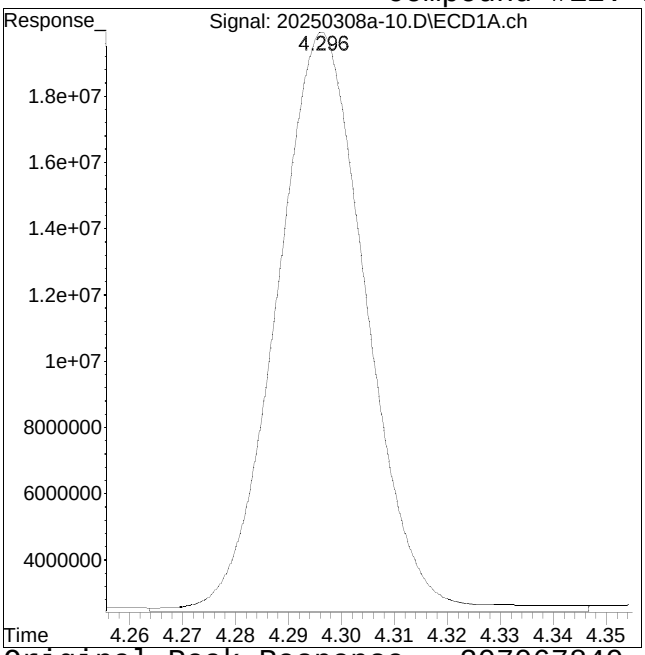
Manual Peak Response = 258380566 M4

M4 = Poor automated baseline construction.

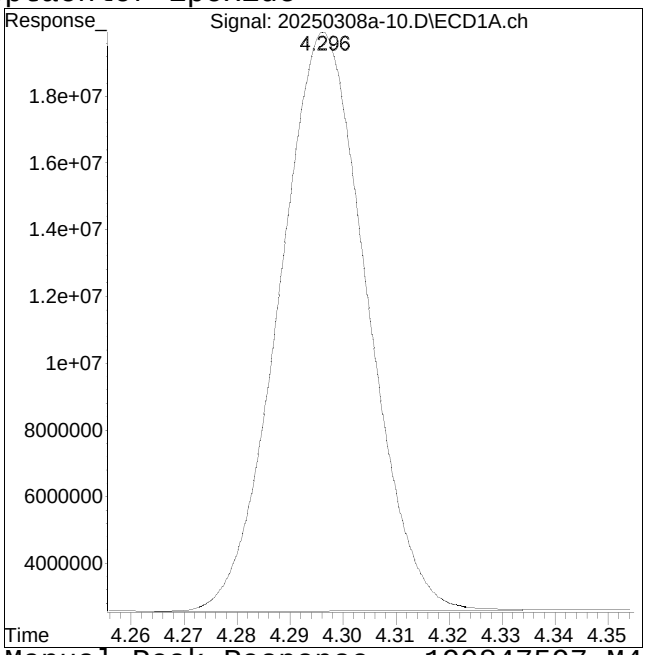
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-10.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:15 Instrument : PEST 20
Sample : WG2038216-2,42,, Quant Date : 3/10/2025 10:39 am

Compound #12: Heptachlor Epoxide



Original Peak Response = 207067840



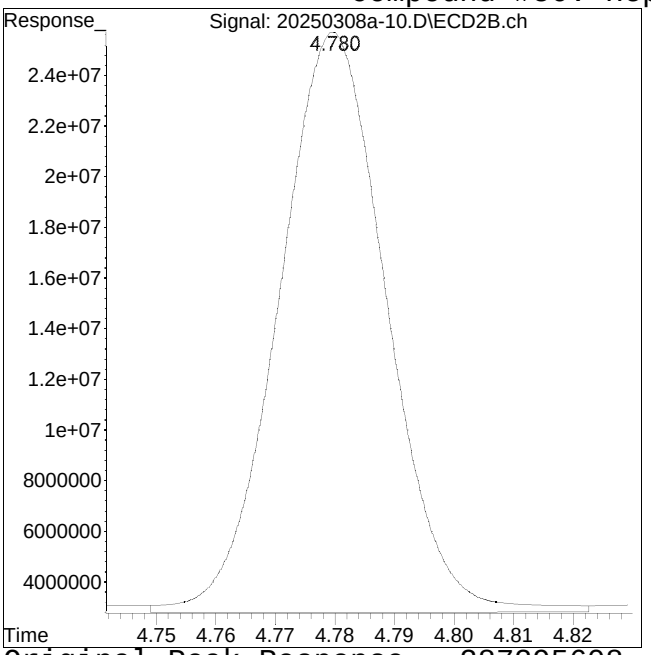
Manual Peak Response = 199847597 M4

M4 = Poor automated baseline construction.

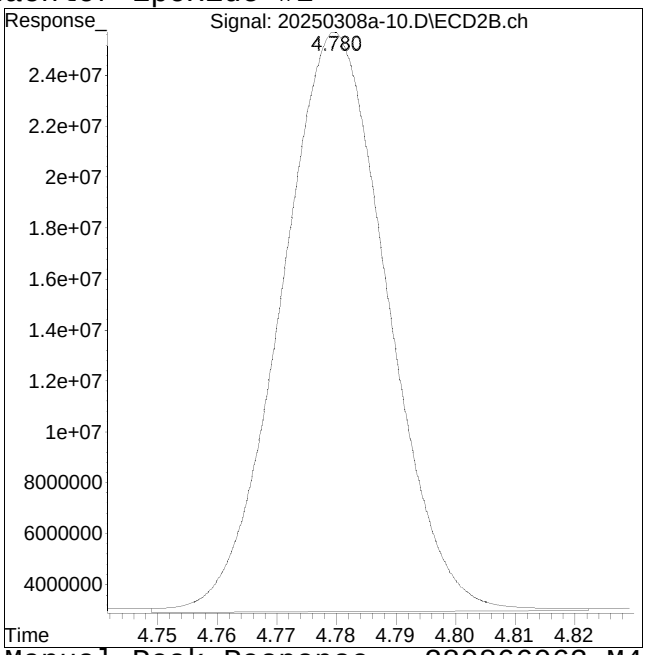
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-10.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:15 Instrument : PEST 20
Sample : WG2038216-2,42,, Quant Date : 3/10/2025 10:39 am

Compound #50: Heptachlor Epoxide #2



Original Peak Response = 287295608



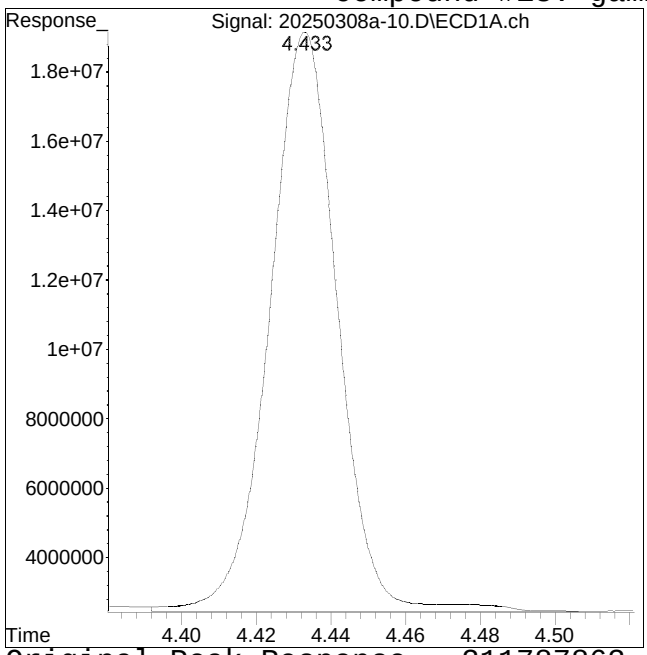
Manual Peak Response = 280866063 M4

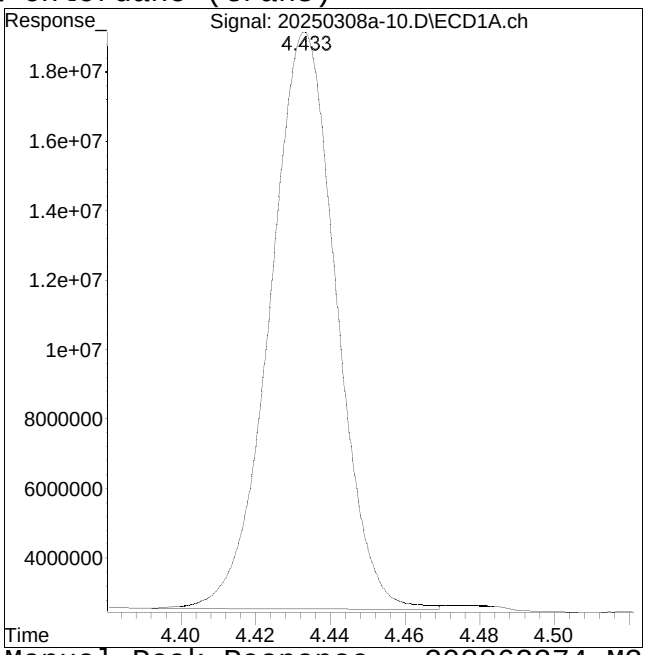
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-10.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:15 Instrument : PEST 20
Sample : WG2038216-2,42,, Quant Date : 3/10/2025 10:39 am

Compound #13: gamma-Chlordane (trans)



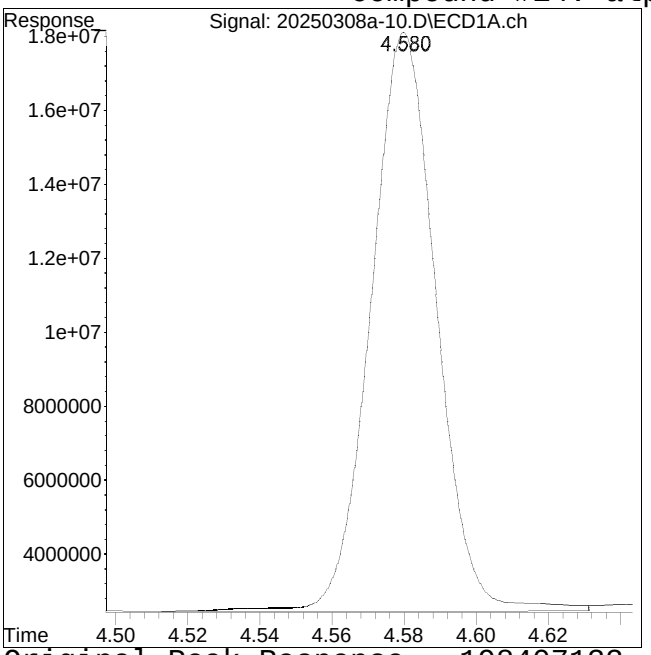


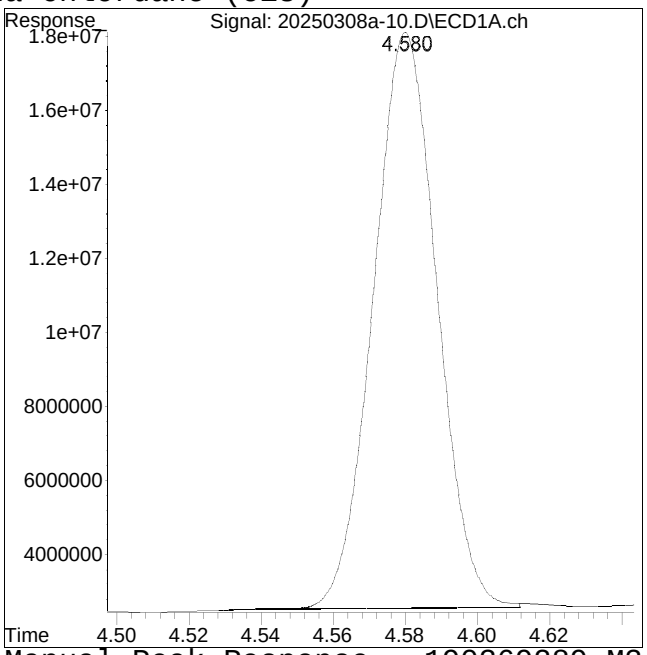
Original Peak Response = 211787863 Manual Peak Response = 203862374 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-10.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:15 Instrument : PEST 20
Sample : WG2038216-2,42,, Quant Date : 3/10/2025 10:39 am

Compound #14: alpha-Chlordane (cis)



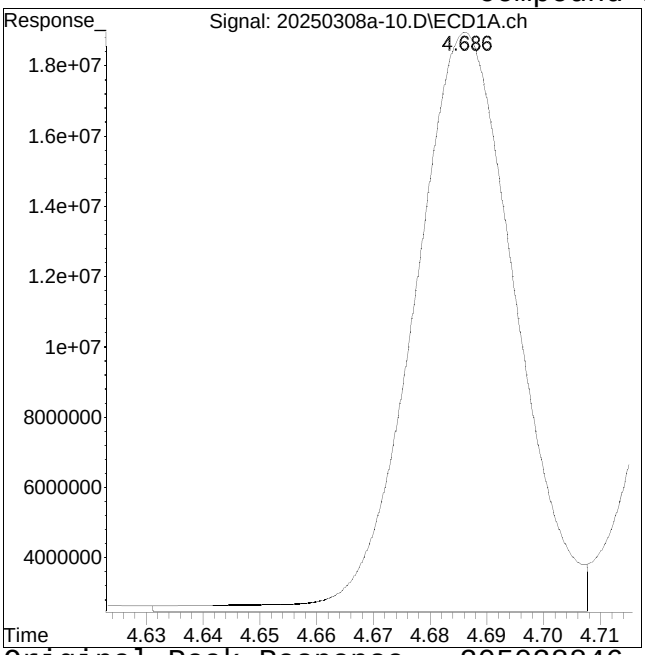


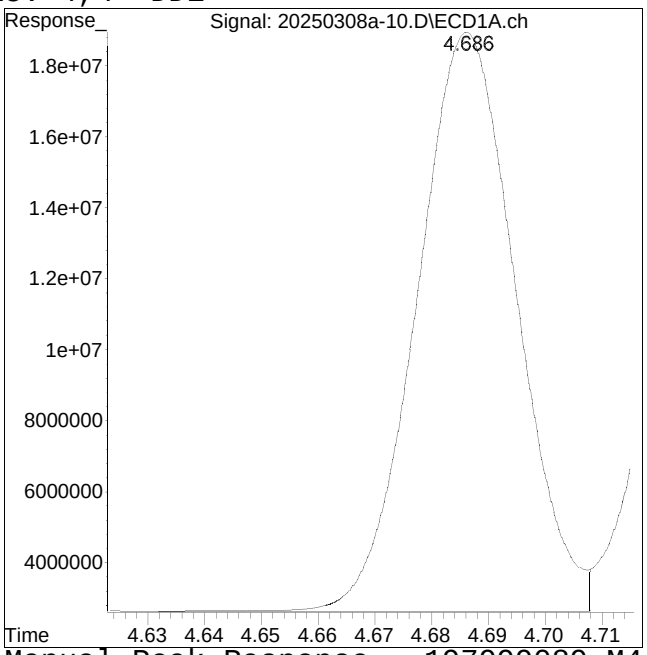
Original Peak Response = 198407133 Manual Peak Response = 190369289 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-10.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:15 Instrument : PEST 20
Sample : WG2038216-2,42,, Quant Date : 3/10/2025 10:39 am

Compound #15: 4,4'-DDE



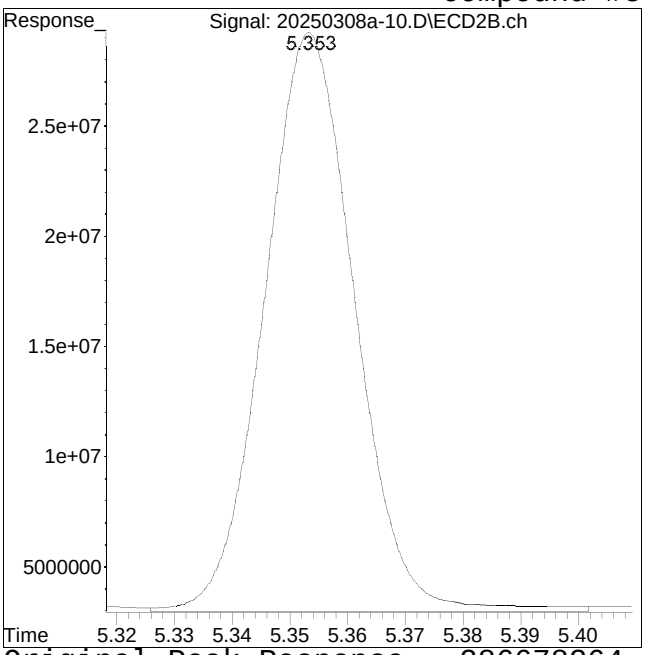


Original Peak Response = 205038846 Manual Peak Response = 197999089 M4
M4 = Poor automated baseline construction.

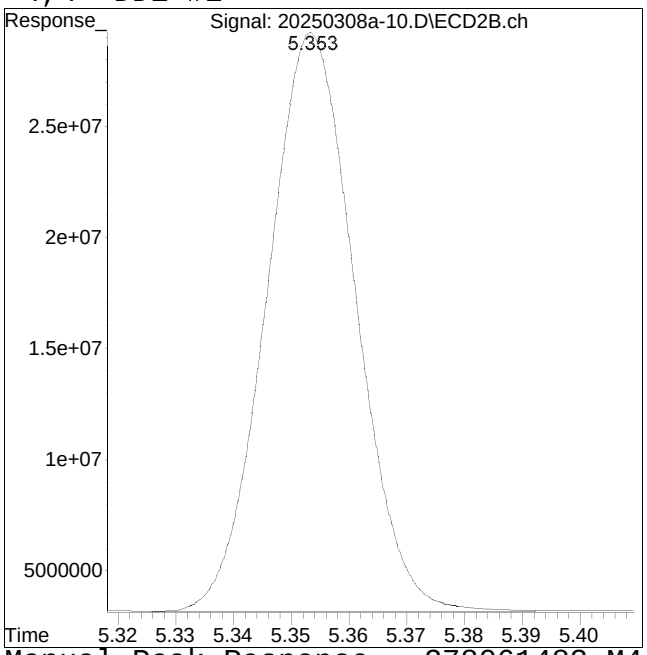
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-10.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:15 Instrument : PEST 20
Sample : WG2038216-2,42,, Quant Date : 3/10/2025 10:39 am

Compound #53: 4,4'-DDE #2



Original Peak Response = 286678364



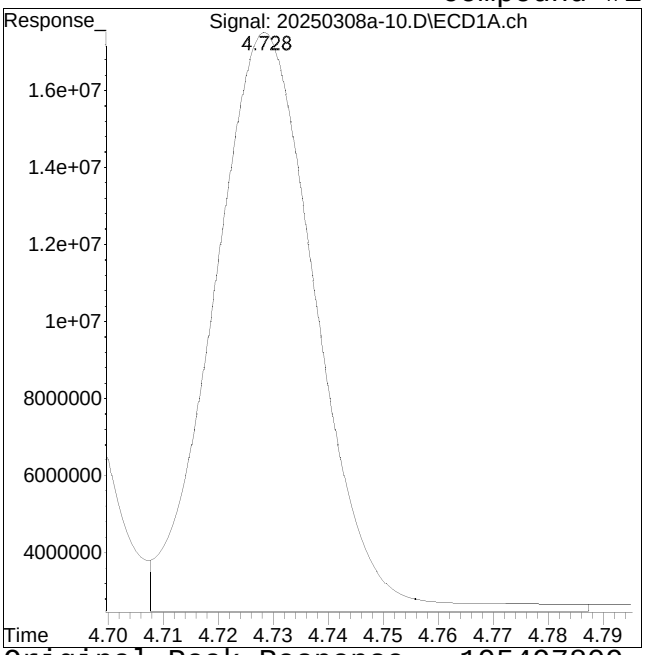
Manual Peak Response = 278061483 M4

M4 = Poor automated baseline construction.

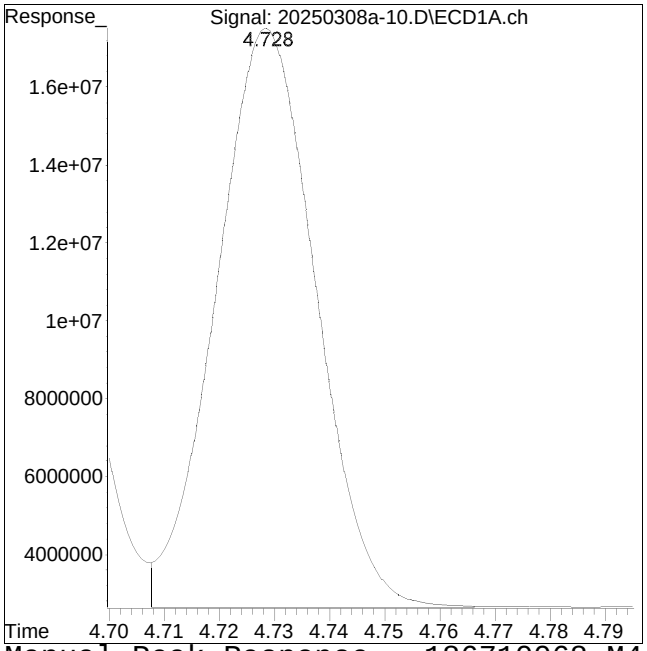
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-10.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:15 Instrument : PEST 20
Sample : WG2038216-2,42,, Quant Date : 3/10/2025 10:39 am

Compound #16: Endosulfan I



Original Peak Response = 195497809



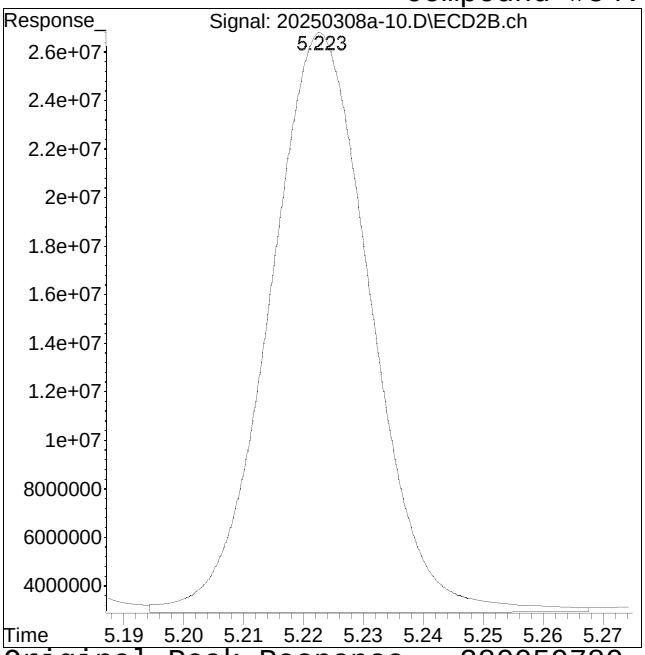
Manual Peak Response = 186710068 M4

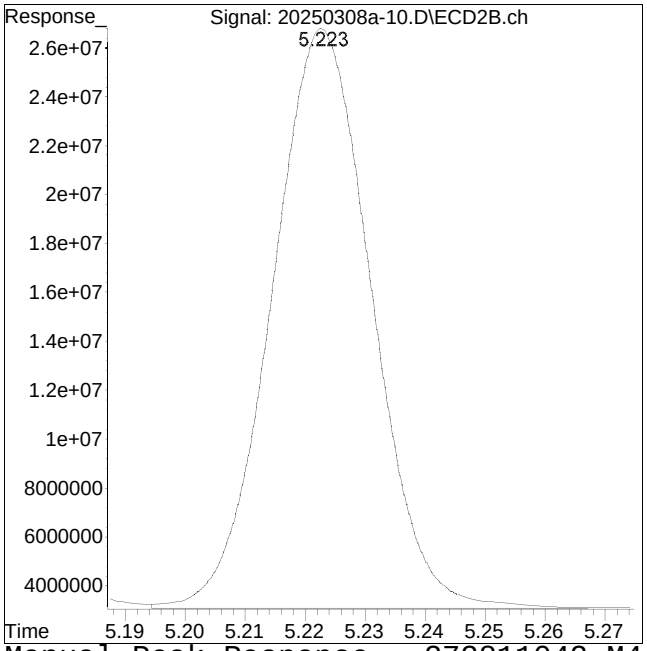
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-10.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:15 Instrument : PEST 20
Sample : WG2038216-2,42,, Quant Date : 3/10/2025 10:39 am

Compound #54: Endosulfan I #2



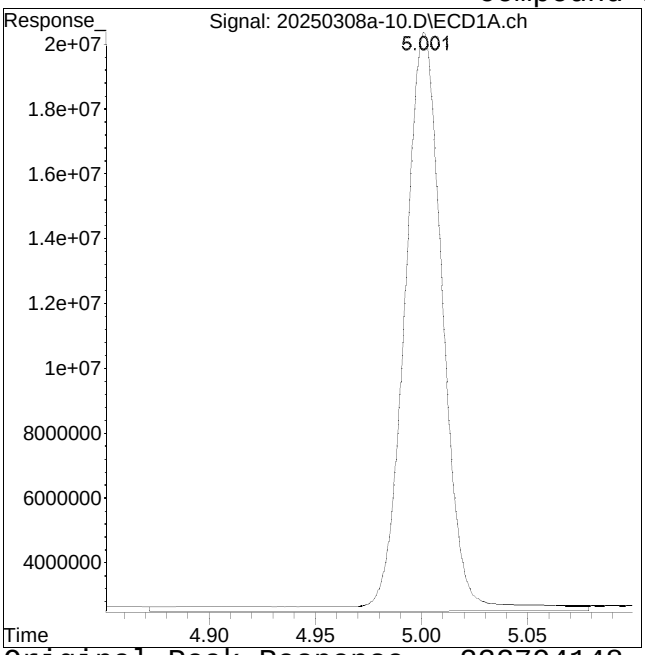


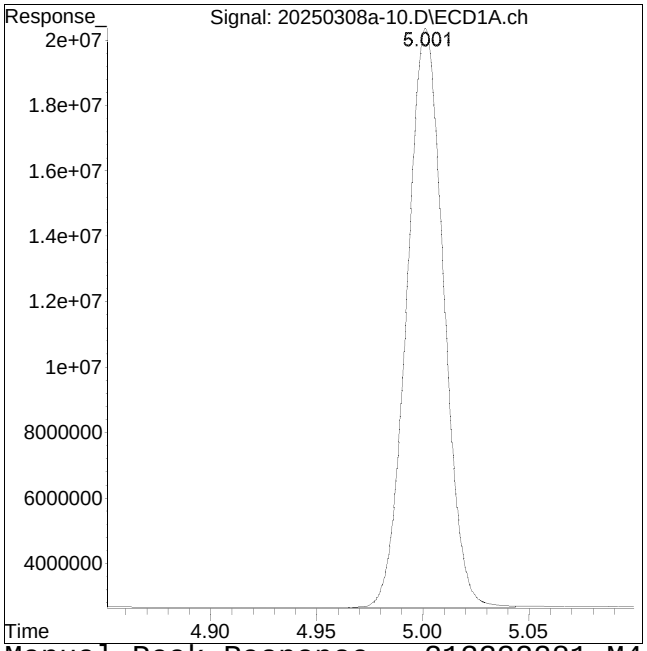
Original Peak Response = 280059780 Manual Peak Response = 272811042 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-10.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:15 Instrument : PEST 20
Sample : WG2038216-2,42,, Quant Date : 3/10/2025 10:39 am

Compound #17: Dieldrin



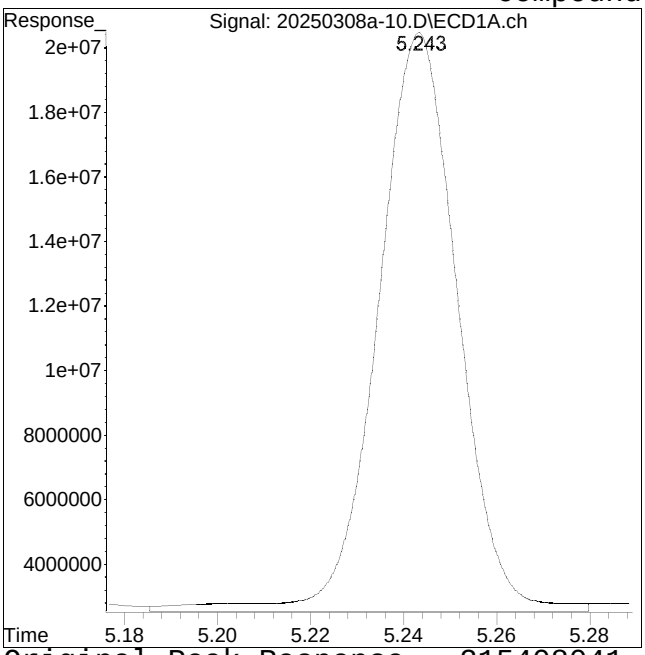


Original Peak Response = 232794148 Manual Peak Response = 213332281 M4
M4 = Poor automated baseline construction.

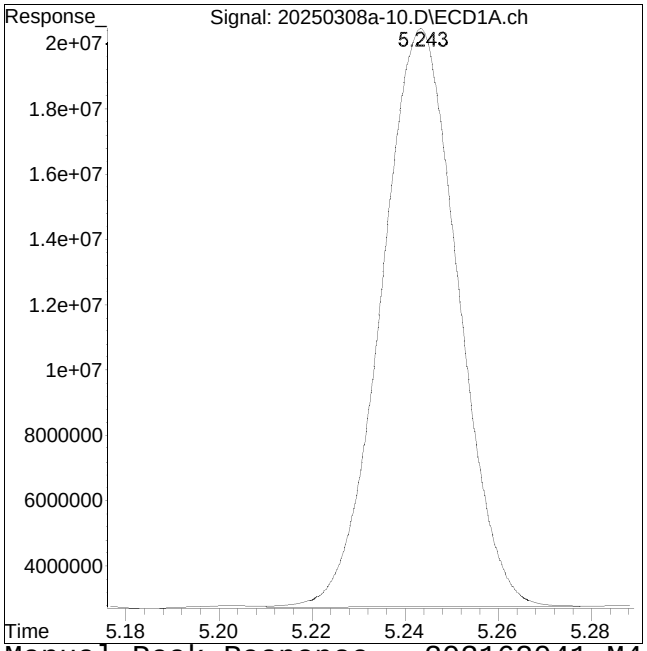
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-10.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:15 Instrument : PEST 20
Sample : WG2038216-2,42,, Quant Date : 3/10/2025 10:39 am

Compound #18: Endrin



Original Peak Response = 215408041



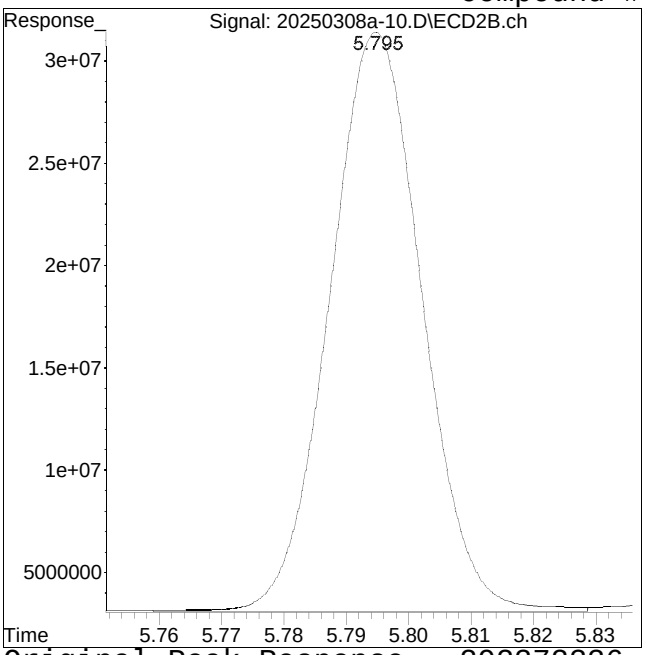
Manual Peak Response = 203162041 M4

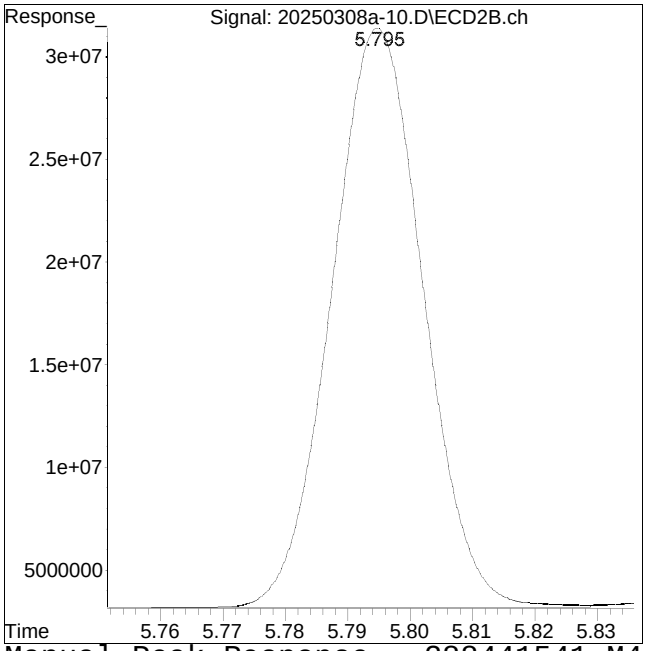
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-10.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:15 Instrument : PEST 20
Sample : WG2038216-2,42,, Quant Date : 3/10/2025 10:39 am

Compound #56: Endrin #2



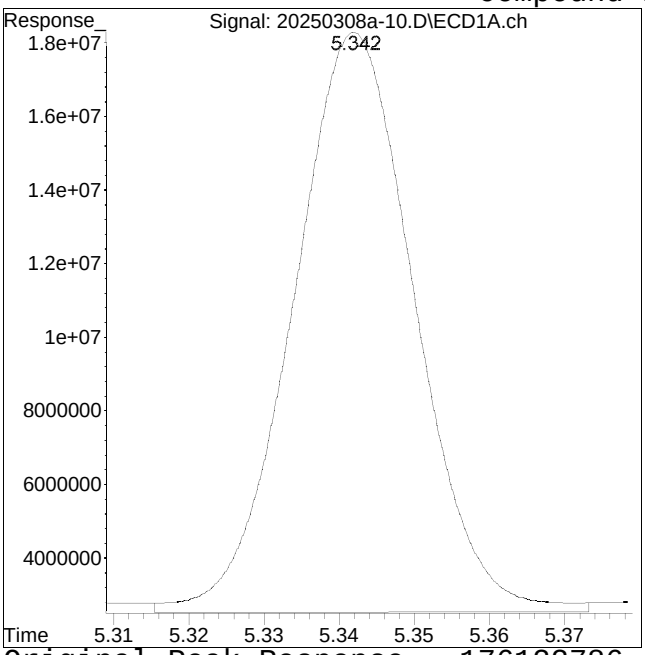


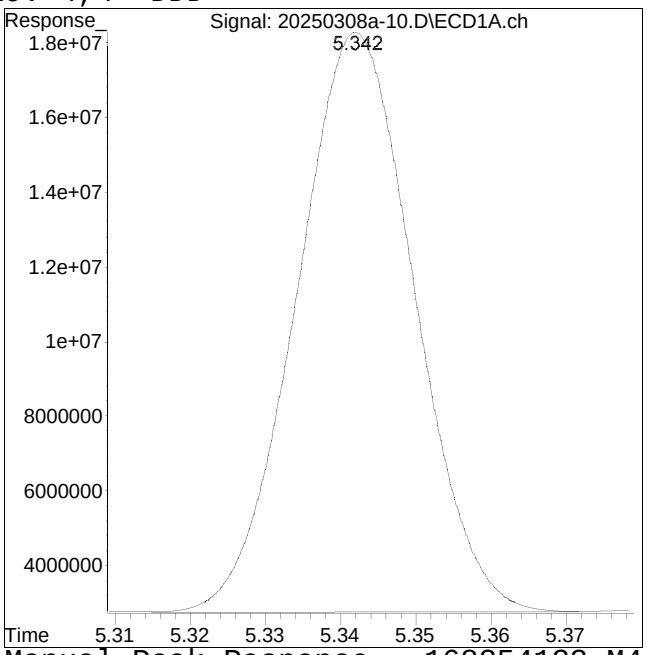
Original Peak Response = 292372336 Manual Peak Response = 288441541 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-10.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:15 Instrument : PEST 20
Sample : WG2038216-2,42,, Quant Date : 3/10/2025 10:39 am

Compound #19: 4,4'-DDD



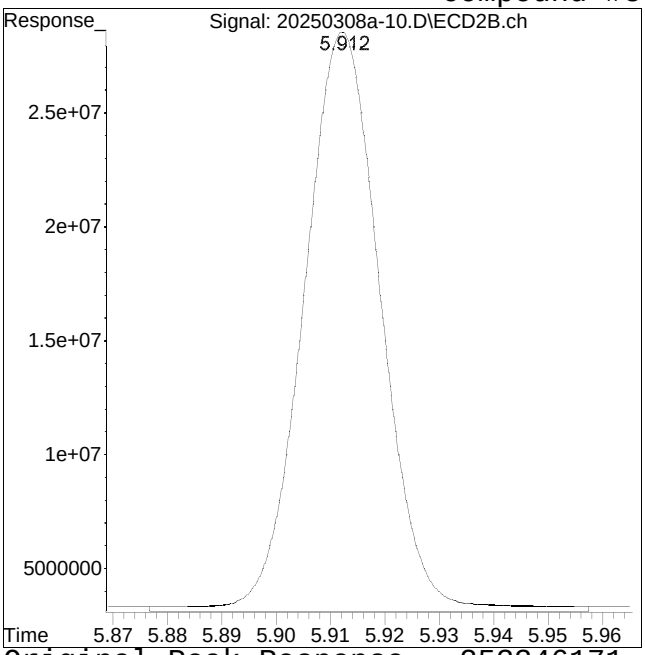


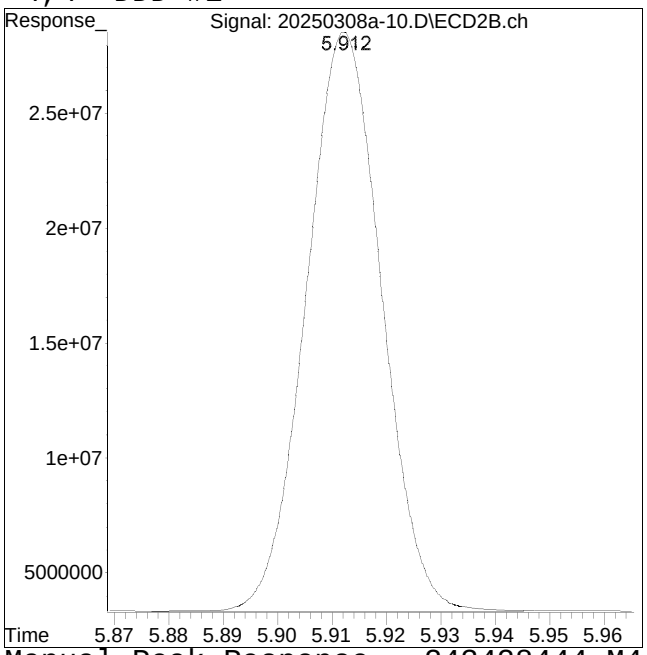
Original Peak Response = 176122786 Manual Peak Response = 168354133 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-10.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:15 Instrument : PEST 20
Sample : WG2038216-2,42,, Quant Date : 3/10/2025 10:39 am

Compound #57: 4,4'-DDD #2



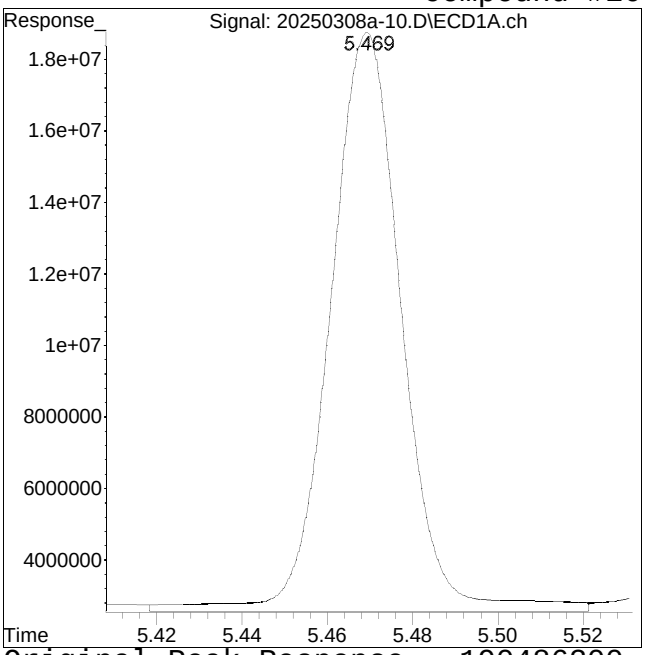


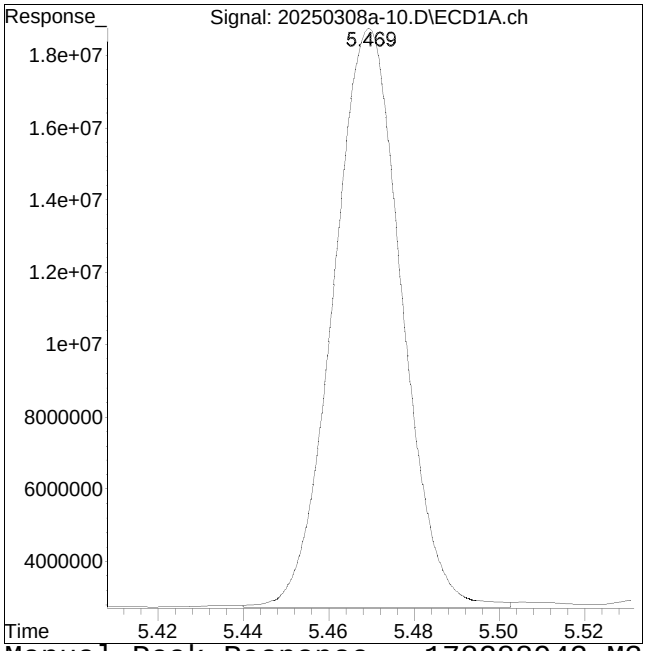
Original Peak Response = 253346171 Manual Peak Response = 243428444 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-10.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:15 Instrument : PEST 20
Sample : WG2038216-2,42,, Quant Date : 3/10/2025 10:39 am

Compound #20: Endosulfan II



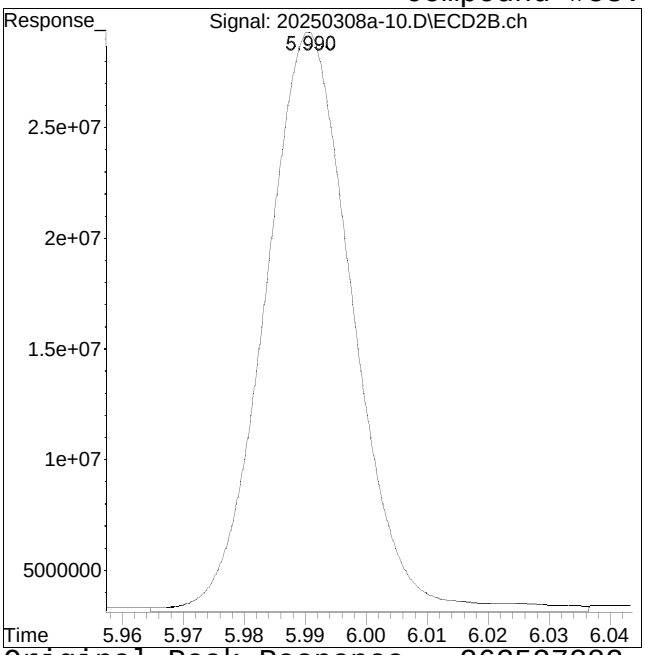


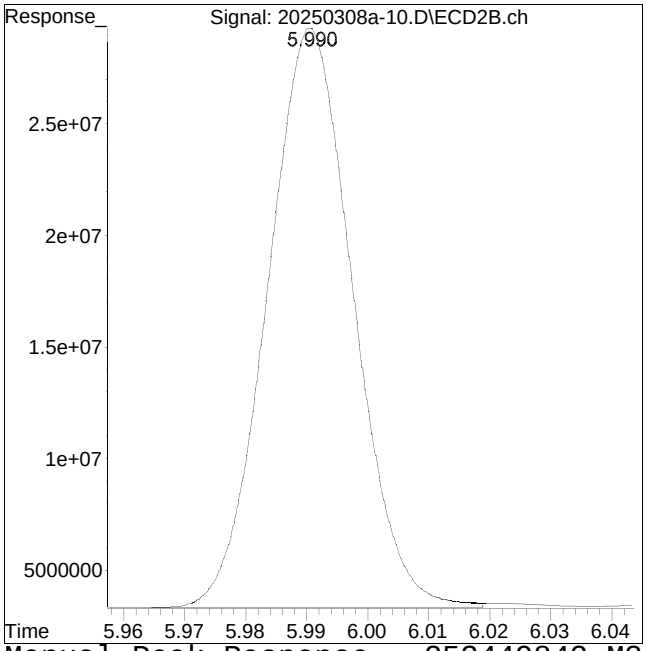
Original Peak Response = 190486300 Manual Peak Response = 178288943 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-10.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:15 Instrument : PEST 20
Sample : WG2038216-2,42,, Quant Date : 3/10/2025 10:39 am

Compound #58: Endosulfan II #2



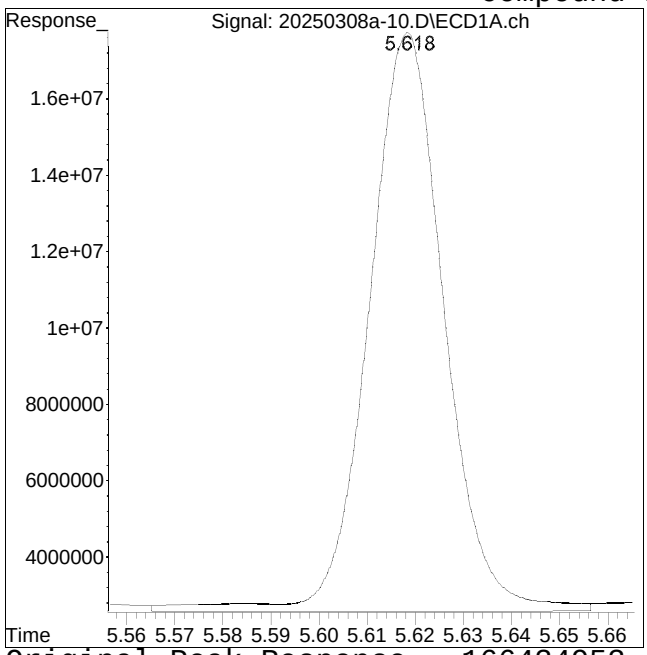


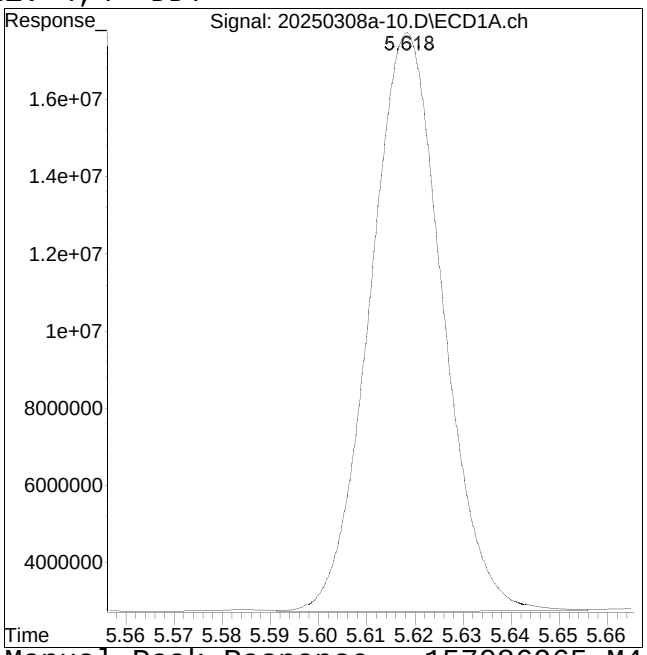
Original Peak Response = 263527282 Manual Peak Response = 253449842 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-10.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:15 Instrument : PEST 20
Sample : WG2038216-2,42,, Quant Date : 3/10/2025 10:39 am

Compound #21: 4,4'-DDT



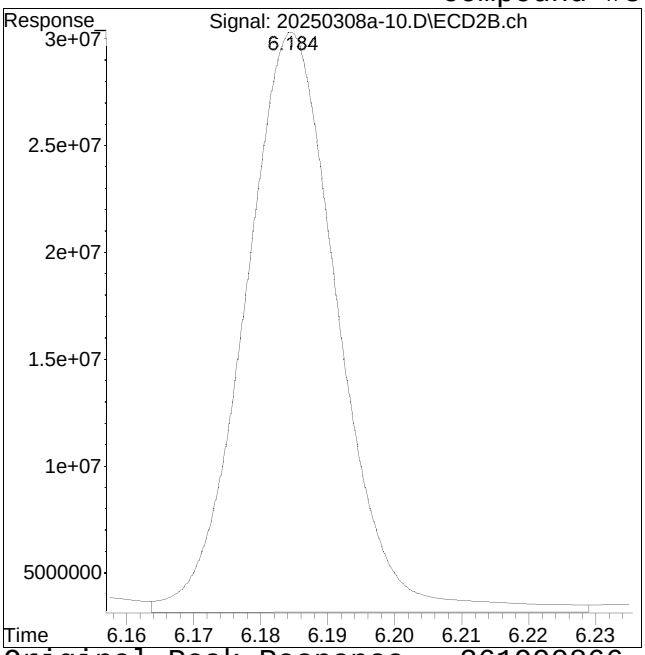


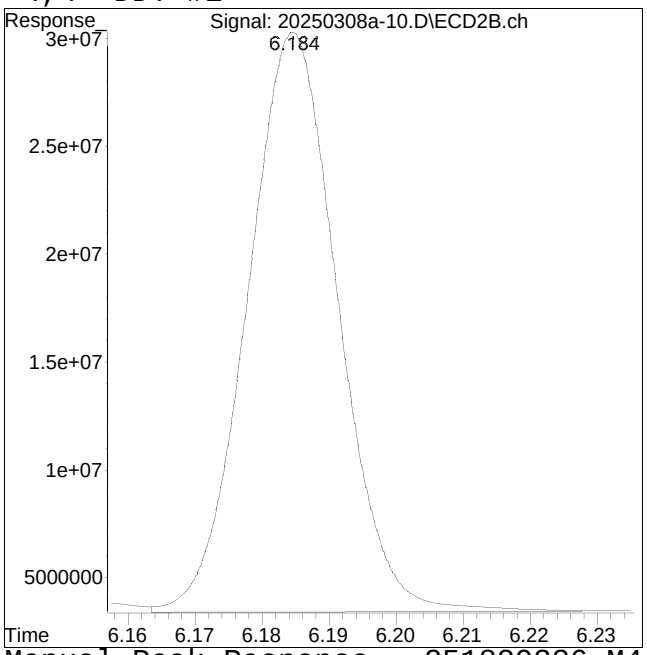
Original Peak Response = 166434953 Manual Peak Response = 157086965 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-10.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:15 Instrument : PEST 20
Sample : WG2038216-2,42,, Quant Date : 3/10/2025 10:39 am

Compound #59: 4,4'-DDT #2



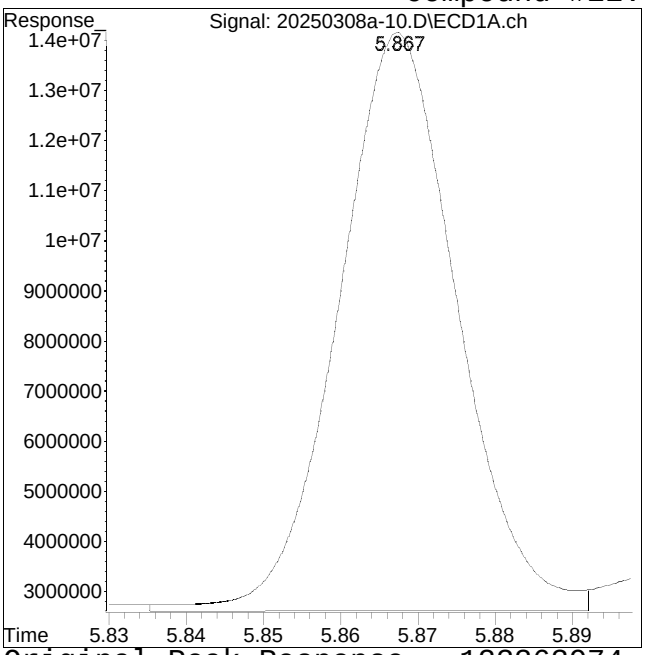


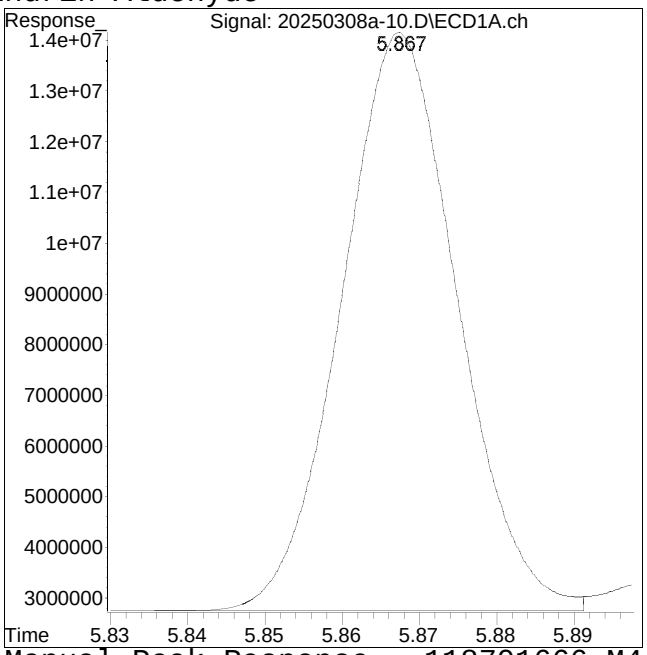
Original Peak Response = 261990866 Manual Peak Response = 251829336 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-10.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:15 Instrument : PEST 20
Sample : WG2038216-2,42,, Quant Date : 3/10/2025 10:39 am

Compound #22: Endrin Aldehyde



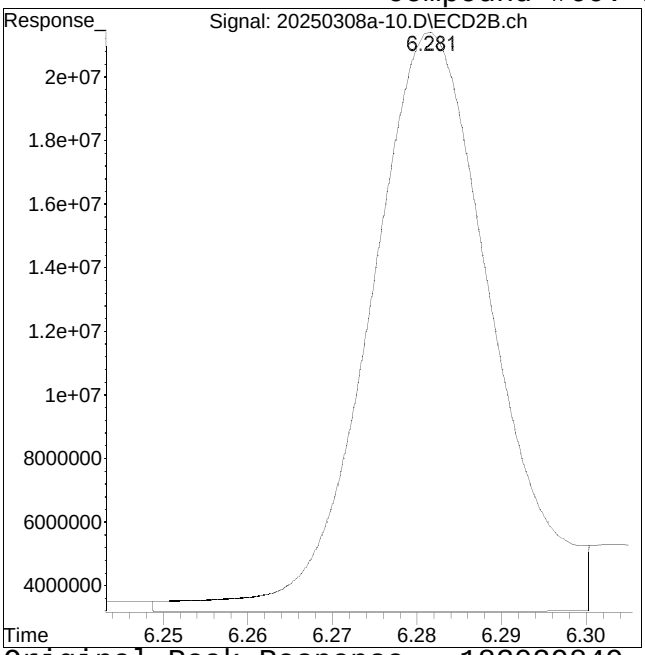


Original Peak Response = 123363974 Manual Peak Response = 118701666 M4
M4 = Poor automated baseline construction.

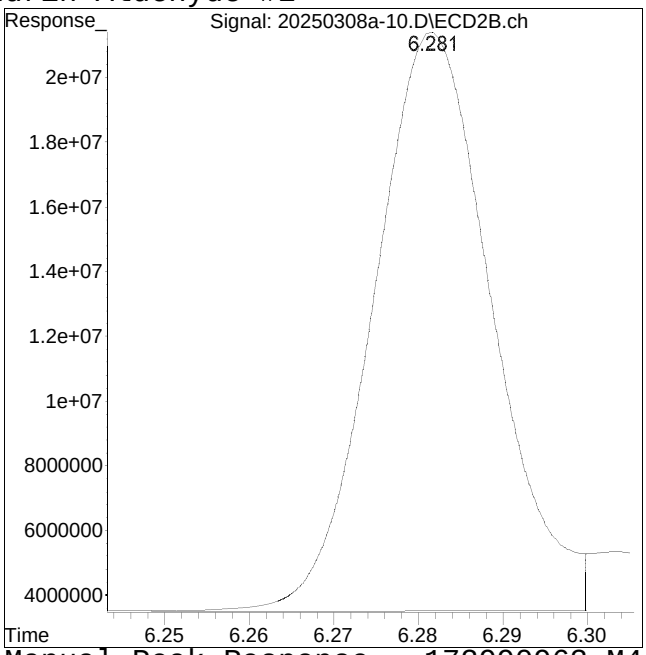
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-10.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:15 Instrument : PEST 20
Sample : WG2038216-2,42,, Quant Date : 3/10/2025 10:39 am

Compound #60: Endrin Aldehyde #2



Original Peak Response = 183029849



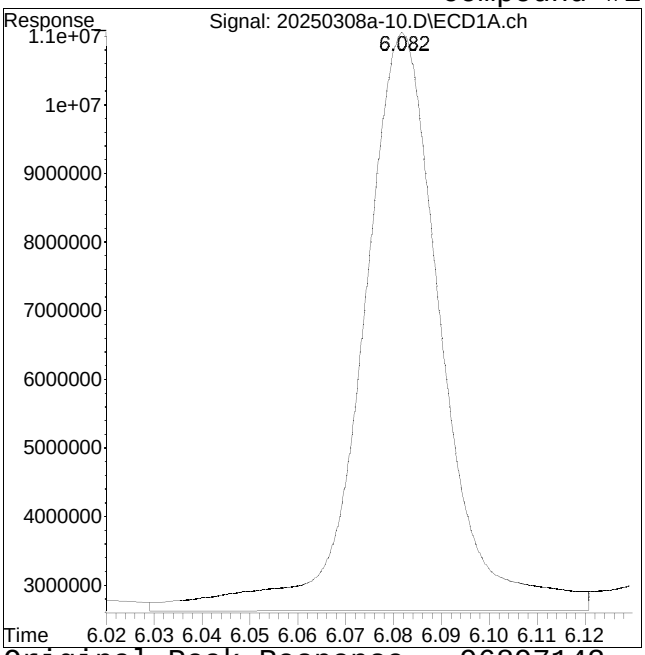
Manual Peak Response = 172990963 M4

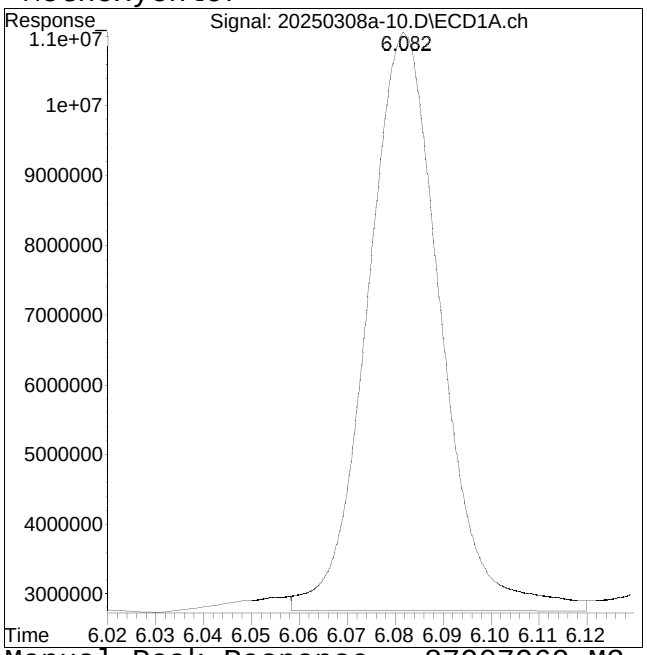
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-10.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:15 Instrument : PEST 20
Sample : WG2038216-2,42,, Quant Date : 3/10/2025 10:39 am

Compound #23: Methoxychlor



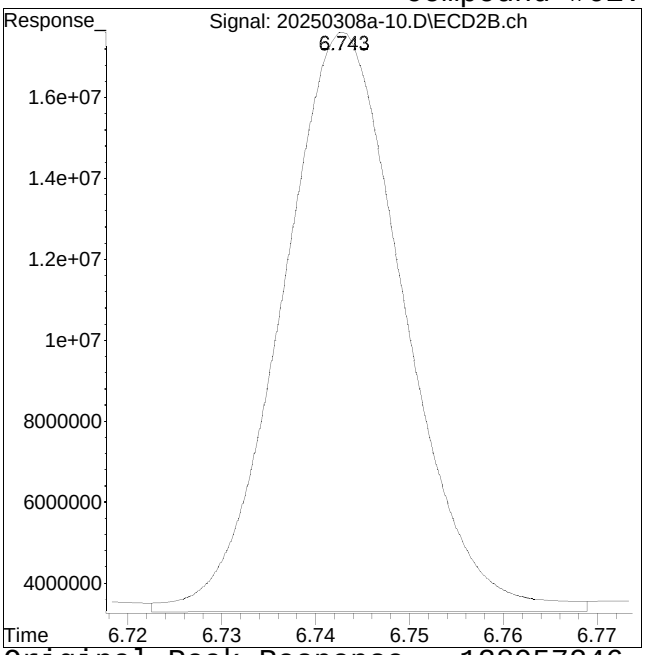


Original Peak Response = 96897142 Manual Peak Response = 87907969 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

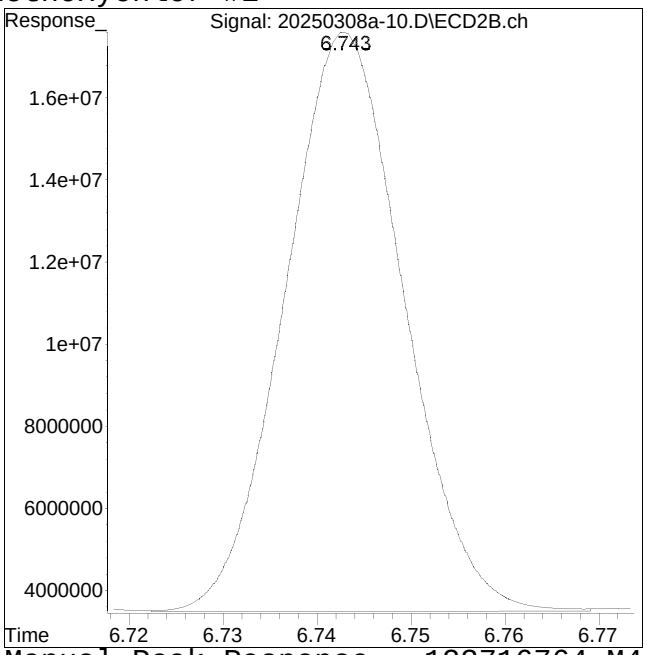
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-10.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:15 Instrument : PEST 20
Sample : WG2038216-2,42,, Quant Date : 3/10/2025 10:39 am

Compound #61: Methoxychlor #2



Original Peak Response = 128957246



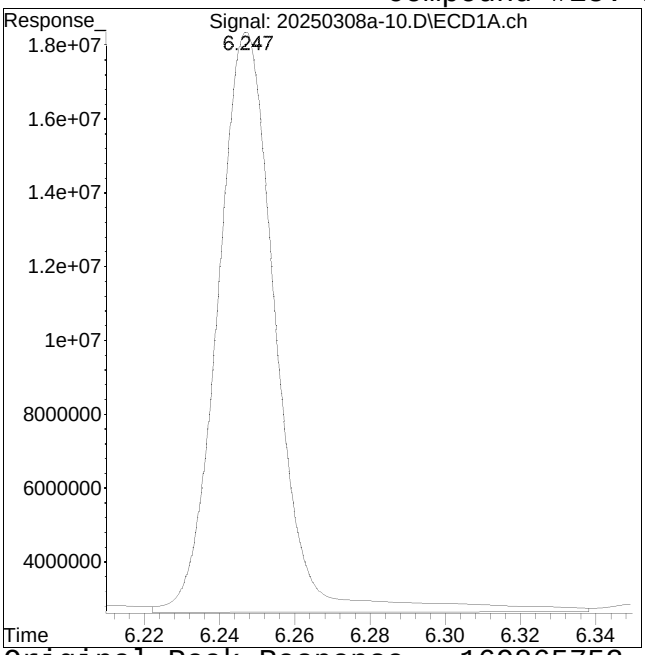
Manual Peak Response = 123716764 M4

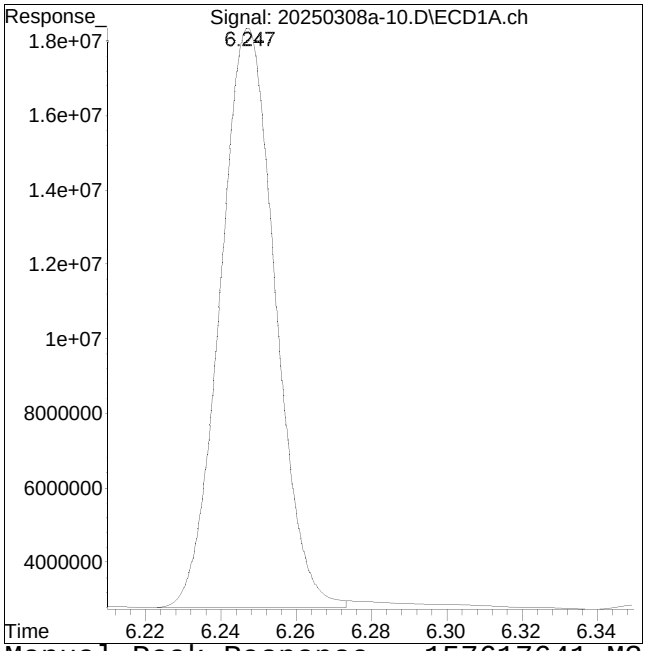
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-10.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:15 Instrument : PEST 20
Sample : WG2038216-2,42,, Quant Date : 3/10/2025 10:39 am

Compound #25: Endosulfan Sulfate



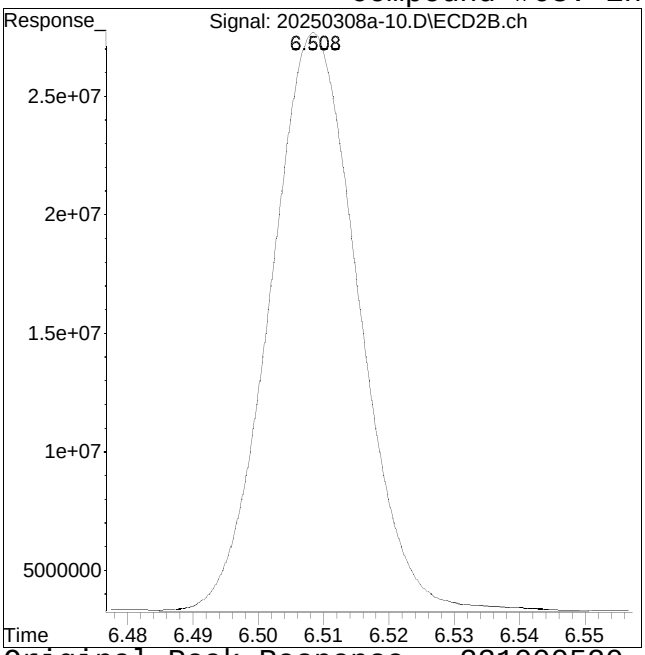


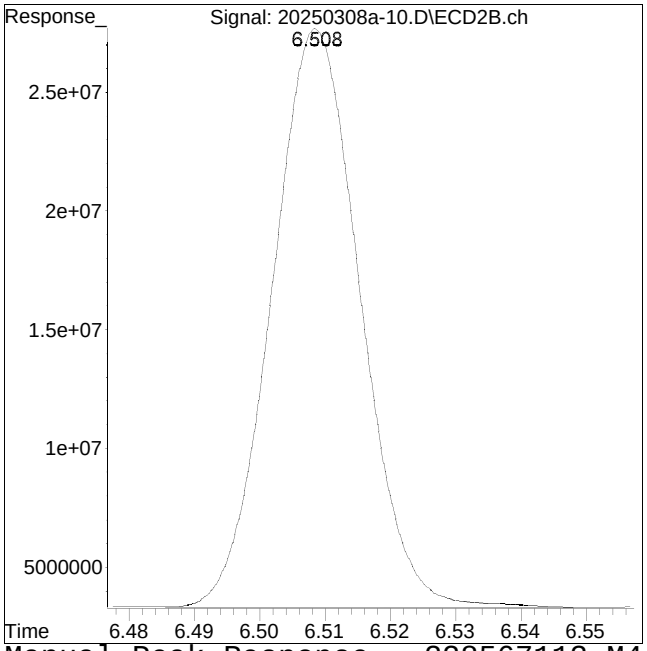
Original Peak Response = 169865752 Manual Peak Response = 157617641 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-10.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:15 Instrument : PEST 20
Sample : WG2038216-2,42,, Quant Date : 3/10/2025 10:39 am

Compound #63: Endosulfan Sulfate #2



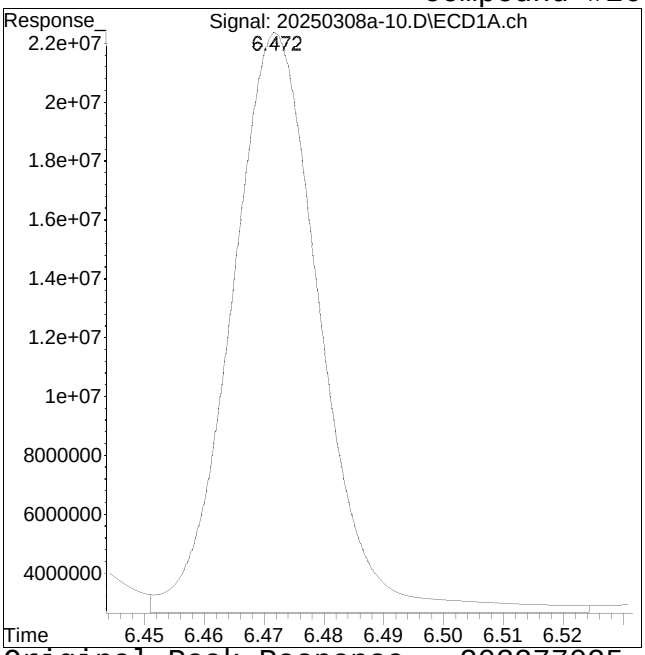


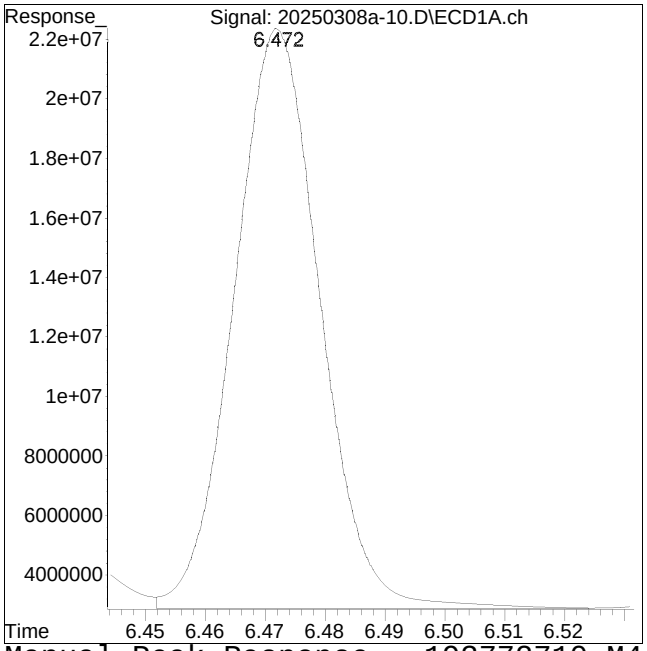
Original Peak Response = 231000520 Manual Peak Response = 228567113 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-10.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:15 Instrument : PEST 20
Sample : WG2038216-2,42,, Quant Date : 3/10/2025 10:39 am

Compound #26: Endrin Ketone



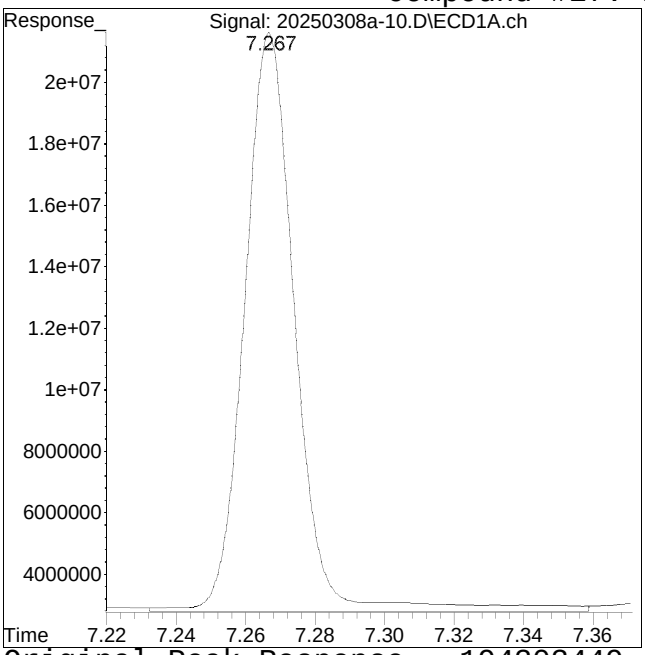


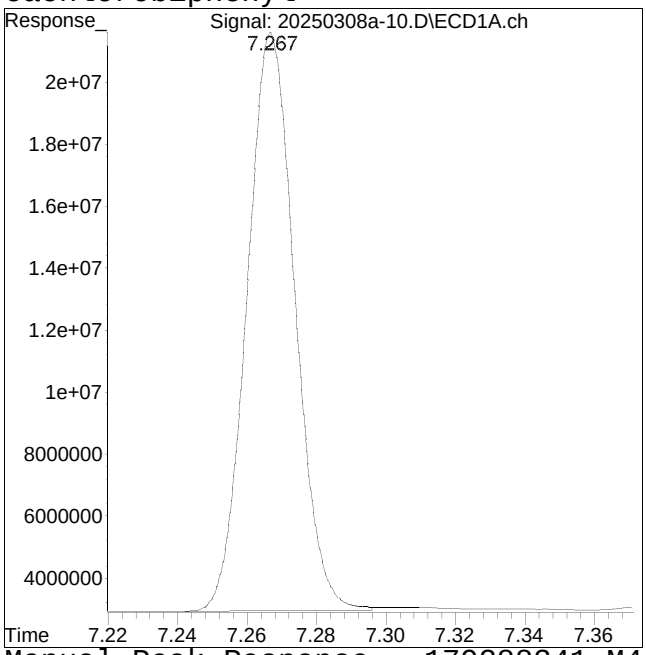
Original Peak Response = 203277025 Manual Peak Response = 193772710 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-10.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:15 Instrument : PEST 20
Sample : WG2038216-2,42,, Quant Date : 3/10/2025 10:39 am

Compound #27: Decachlorobiphenyl



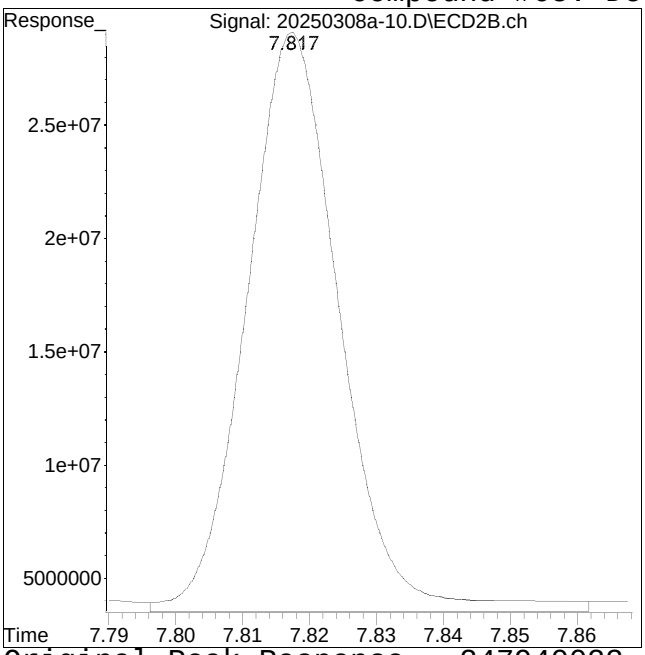


Original Peak Response = 194303449 Manual Peak Response = 179288341 M4
M4 = Poor automated baseline construction.

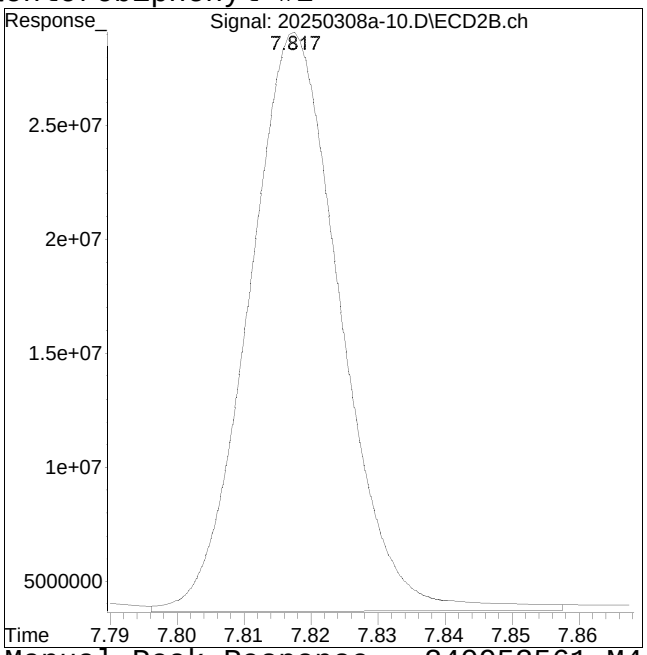
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-10.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:15 Instrument : PEST 20
Sample : WG2038216-2,42,, Quant Date : 3/10/2025 10:39 am

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 247940023



Manual Peak Response = 240953561 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 7:48
Operator : PEST11:peg
Sample : WG2037965-3,42,, rvt
Misc : wg2038031,WG2037965,ical21853
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 12:15:26 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:00:56 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2025\250308A\11250308a-03.d
Sub List : LCS_MS - spk only

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards								
1)	i	1-br-2-nb_Pe	1.292	1.370	389.4E6	216.7E6	25.000M3	25.000M4
		Standard Area 1 : #1 = 378270952				Recovery = 102.94%		
		Standard Area 1 : #2 = 220505210				Recovery = 98.25%		
System Monitoring Compounds								
2)	s	2,4,5,6-Tetr	1.639	1.856	811.8E6	378.3E6	42.942M4	41.802M3
		Spiked Amount 50.000	Range 30 - 150		Recovery =	85.88%	83.60%	
27)	s	Decachlorobi	6.305	6.964	722.0E6	288.2E6	40.309	36.082M4
		Spiked Amount 50.000	Range 30 - 150		Recovery =	80.62%	72.16%	
Target Compounds								
4)	t	alpha-BHC	1.954	2.280	1172.6E6	553.6E6	46.290M4	43.861M4
5)	t	gamma-BHC (l	2.159	2.571	1143.5E6	531.7E6	49.229M4	43.780M4
6)	t	beta-BHC	2.216	2.636	479.1E6	221.5E6	44.353M4	43.215M4
7)	t	delta-BHC	2.346	2.908	846.8E6	357.5E6	36.227M3	29.866M4
8)	t	Heptachlor	2.510	2.974	1052.0E6	468.9E6	48.172M3	38.503M4
9)	t	Aldrin	2.755	3.299	928.0E6	427.4E6	42.571M4	39.284M4
12)	t	Heptachlor E	3.305	3.922	973.8E6	418.2E6	47.211M4	38.002M4
13)	t	gamma-Chlord	3.430	4.145	973.3E6	447.9E6	48.845M3	45.705M4
14)	t	alpha-Chlord	3.566	4.315	906.4E6	435.3E6	40.106M3	39.913M4
15)	t	4,4'-DDE	3.665	4.512	966.1E6	437.3E6	46.735M4	42.836M4
16)	t	Endosulfan I	3.702	4.375	909.1E6	413.6E6	45.960M4	40.827M4
17)	t	Dieldrin	3.965	4.666	1033.1E6	461.4E6	50.409M4	45.796M3
18)	t	Endrin	4.221	4.963	1030.2E6	441.8E6	51.888M3	43.622M4
19)	t	4,4'-DDD	4.334	5.086	851.1E6	376.6E6	54.453M4	45.959M4
20)	t	Endosulfan I	4.463	5.162	907.2E6	394.3E6	49.167M4	42.362M4
21)	t	4,4'-DDT	4.628	5.364	878.1E6	408.9E6	51.783M3	43.817M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 7:48
Operator : PEST11:peg
Sample : WG2037965-3,42,, rvt
Misc : wg2038031,WG2037965,ical21853
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 12:15:26 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:00:56 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2025\250308A\11250308a-03.d
Sub List : LCS_MS - spk only

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
22) t Endrin Aldeh	4.881	5.459	609.9E6	271.9E6	39.848M4	35.892M4
23) t Methoxychlor	5.117	5.930	503.1E6	144.7E6	52.593M4	27.143M4
25) t Endosulfan S	5.274	5.688	832.4E6	354.3E6	45.200M4	38.656M4
26) t Endrin Keton	5.500	6.101	974.8E6	457.4E6	53.074M3	47.550M3
Sum chlordane-1			0	0	N.D.	N.D.
Average chlordane-1					0.000	0.000
Sum toxaphene-2			0	0	N.D.	N.D.
Average toxaphene-2					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum toxaphene-2			0	0	N.D.	N.D.
Average toxaphene-2					0.000	0.000

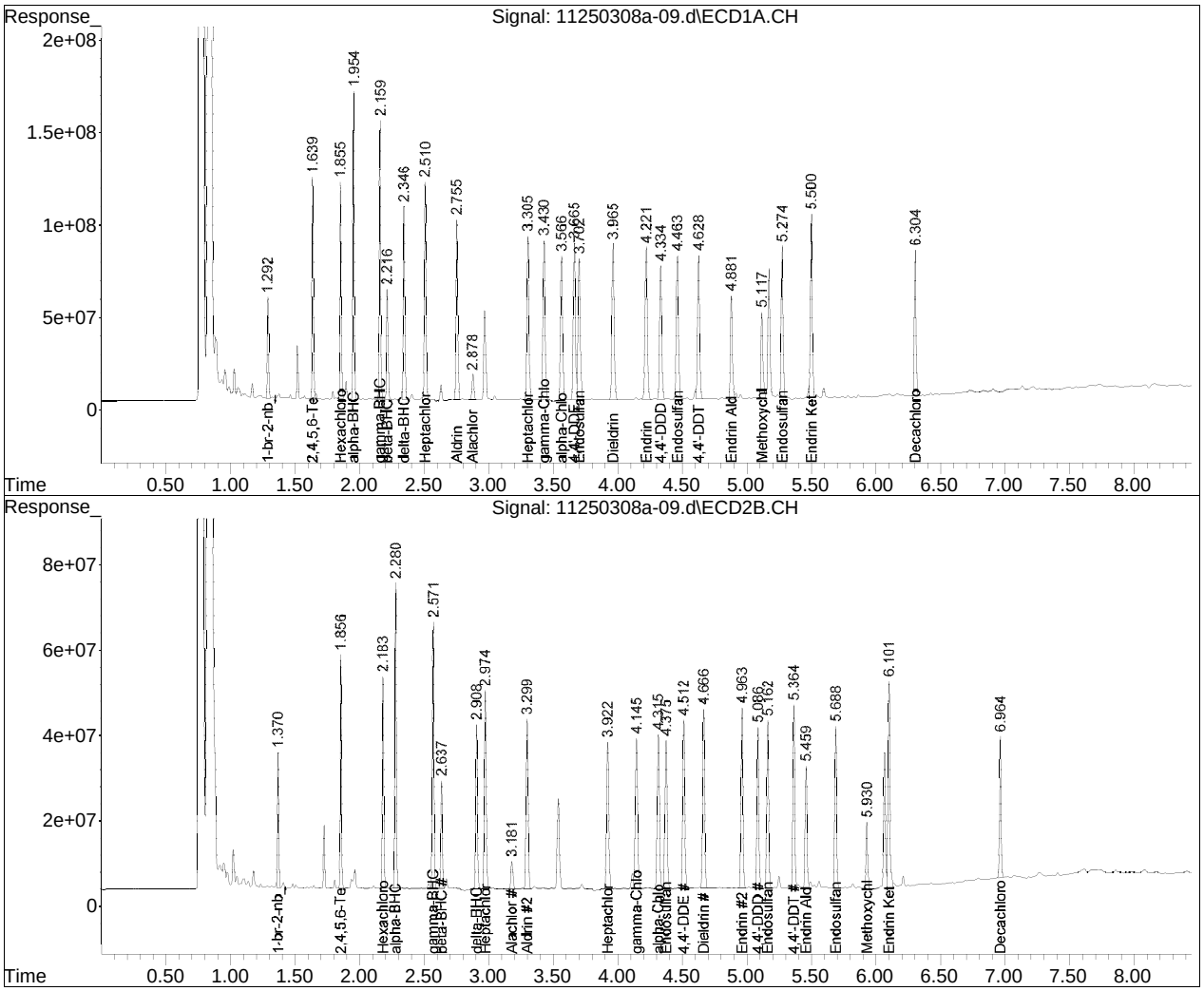
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : LCS_MS - spk only1\2025\250308A\11250308a-03.d•

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 7:48
Operator : PEST11:peg
Sample : WG2037965-3,42,, rvt
Misc : wg2038031,WG2037965,ical21853
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 12:15:26 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:00:56 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

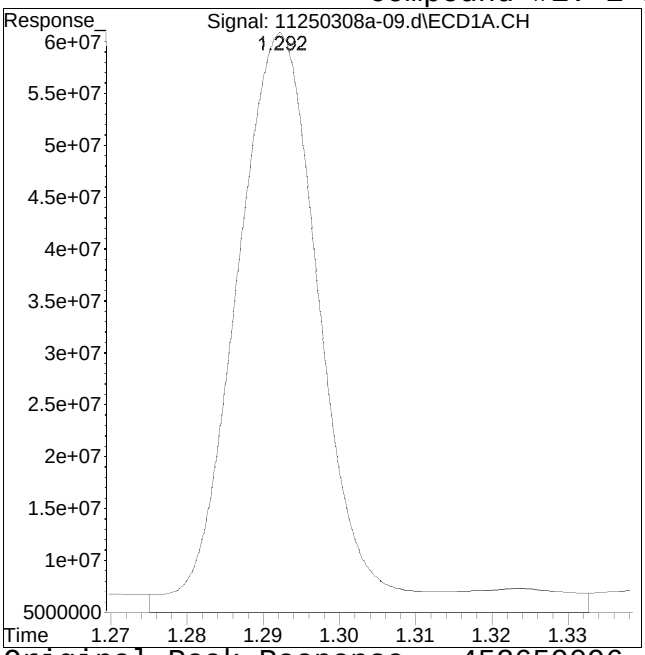
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

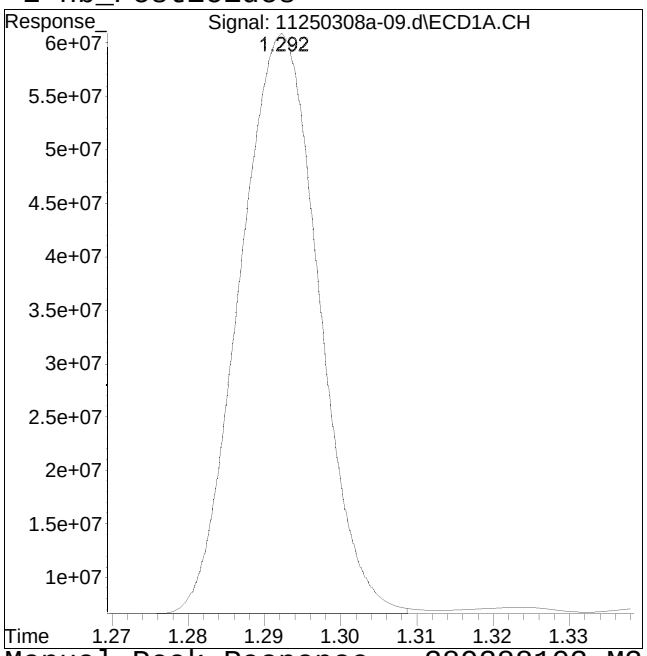


Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #1: 1-br-2-nb_Pesticides



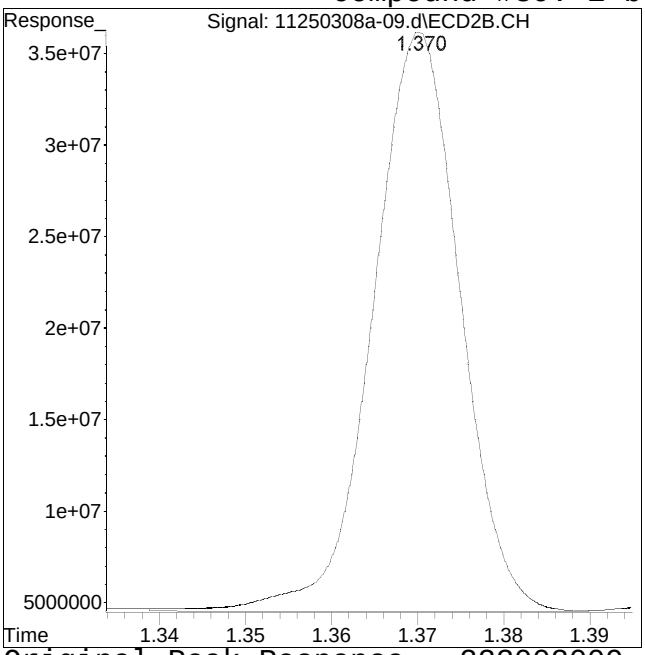


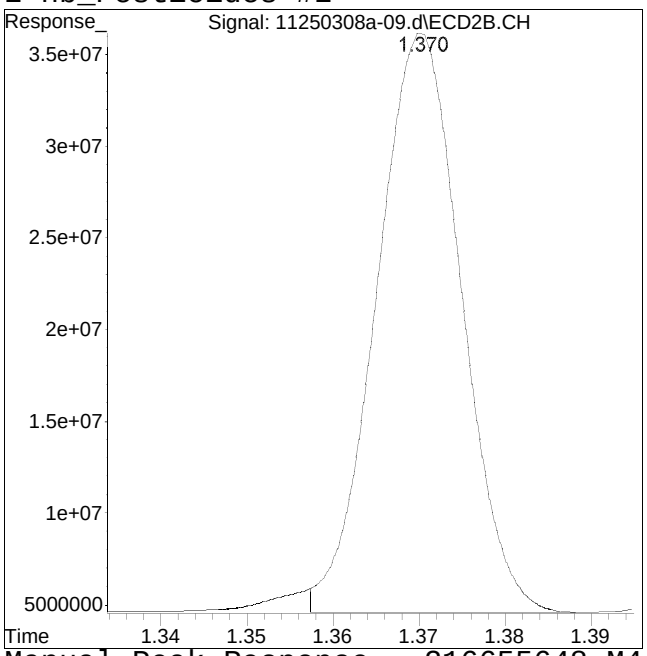
Original Peak Response = 452659096 Manual Peak Response = 389388103 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #39: 1-br-2-nb_Pesticides #2



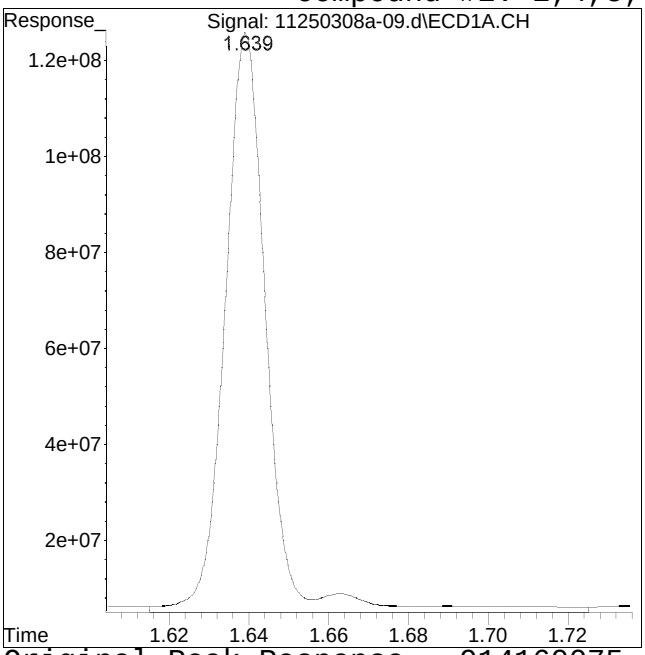


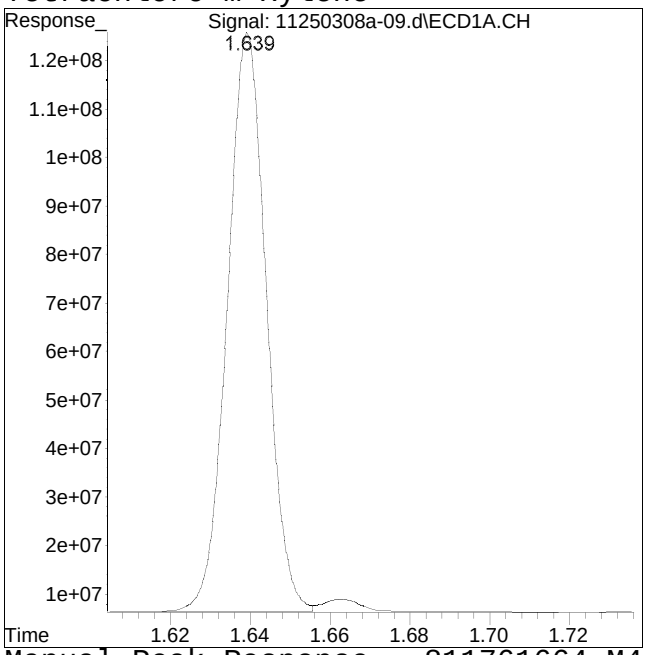
Original Peak Response = 223002009 Manual Peak Response = 216655648 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



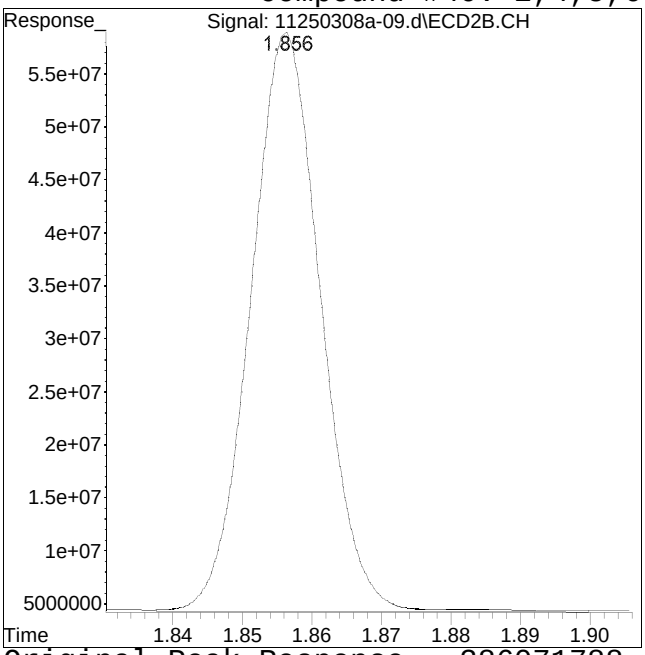


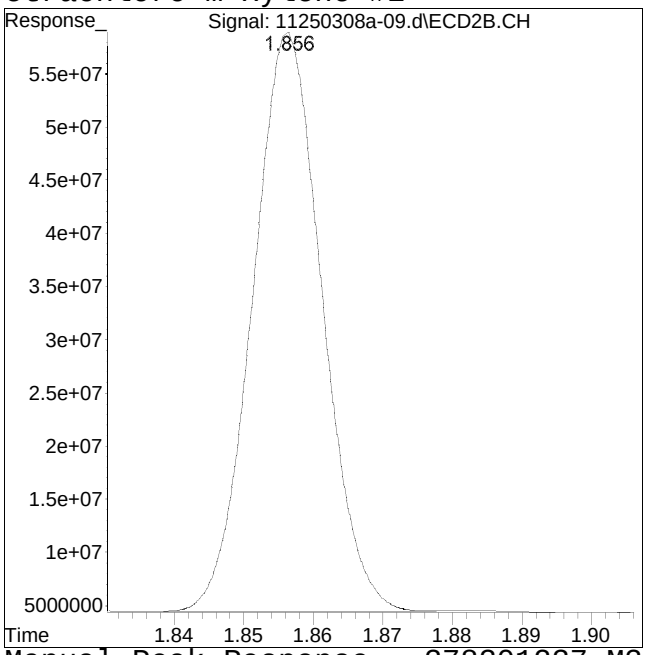
Original Peak Response = 914160075 Manual Peak Response = 811761664 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



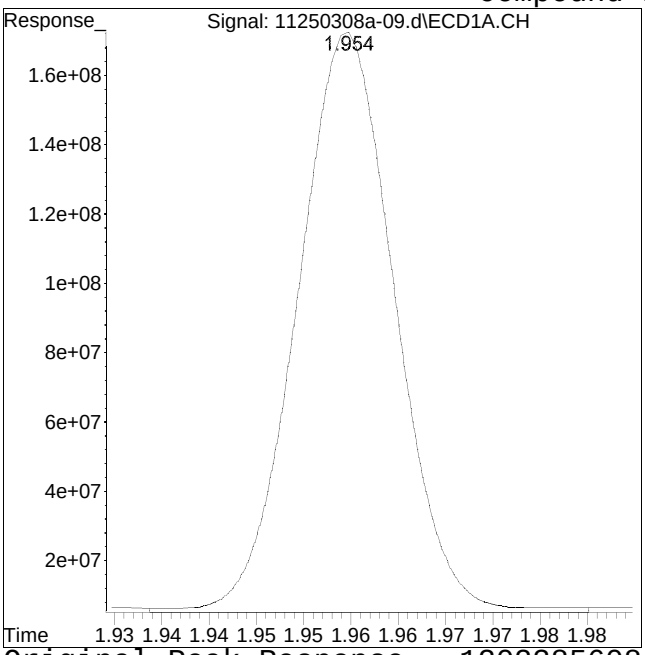


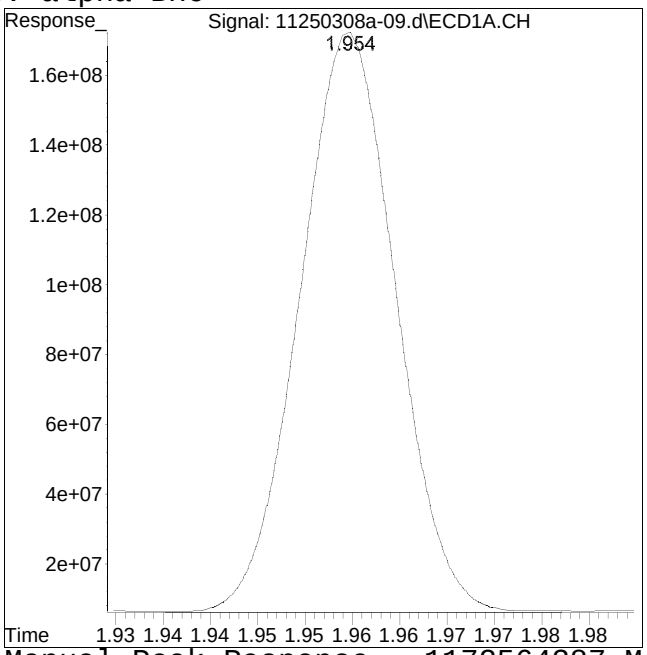
Original Peak Response = 386071788 Manual Peak Response = 378301237 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #4: alpha-BHC



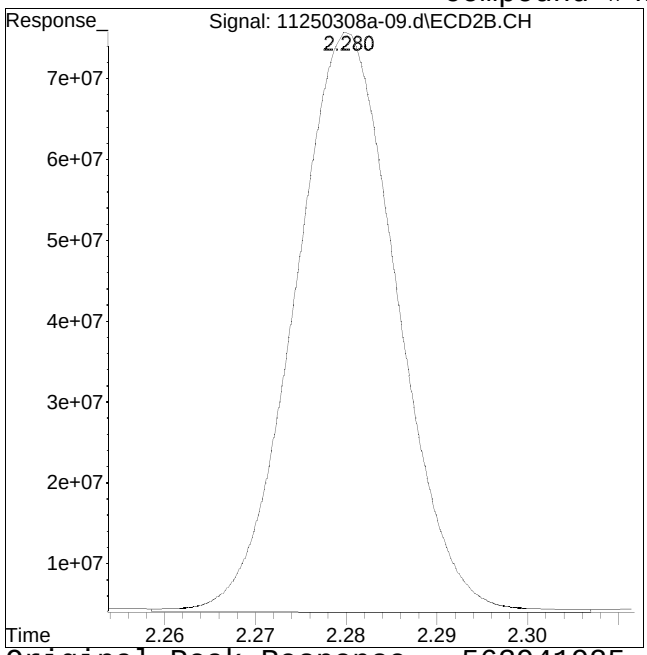


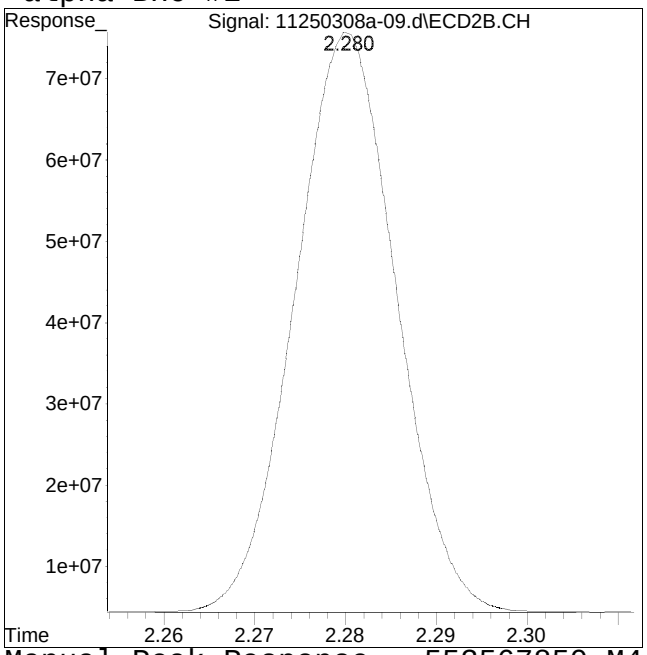
Original Peak Response = 1202385608 Manual Peak Response = 1172564387 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #42: alpha-BHC #2



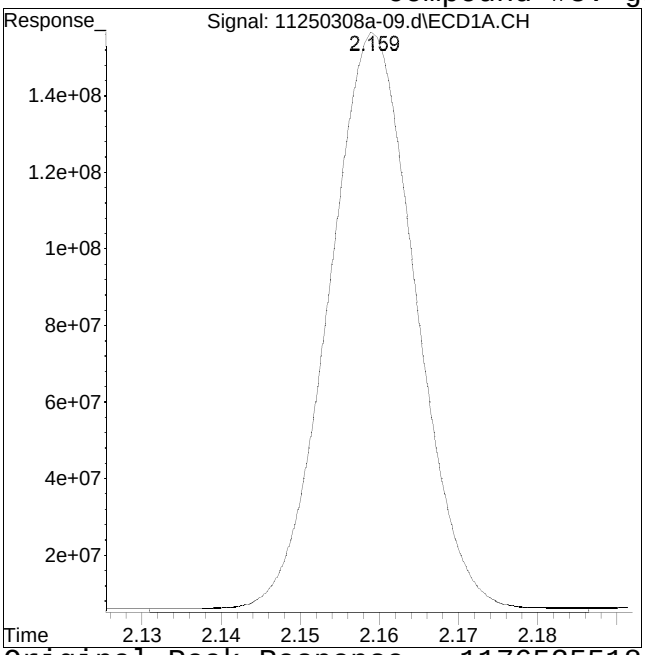


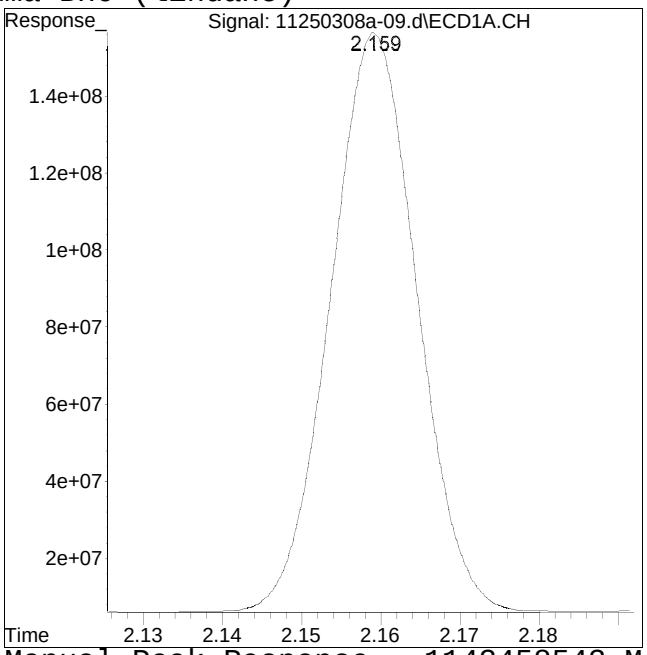
Original Peak Response = 563941925 Manual Peak Response = 553567850 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #5: gamma-BHC (lindane)



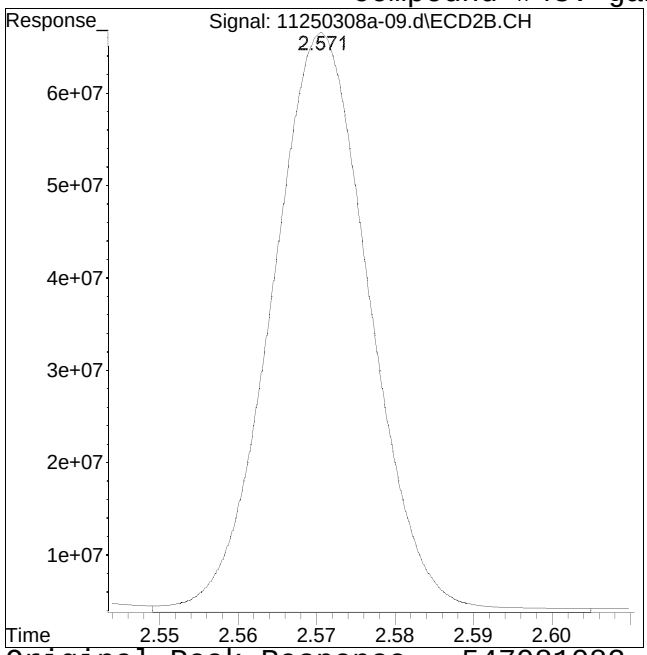


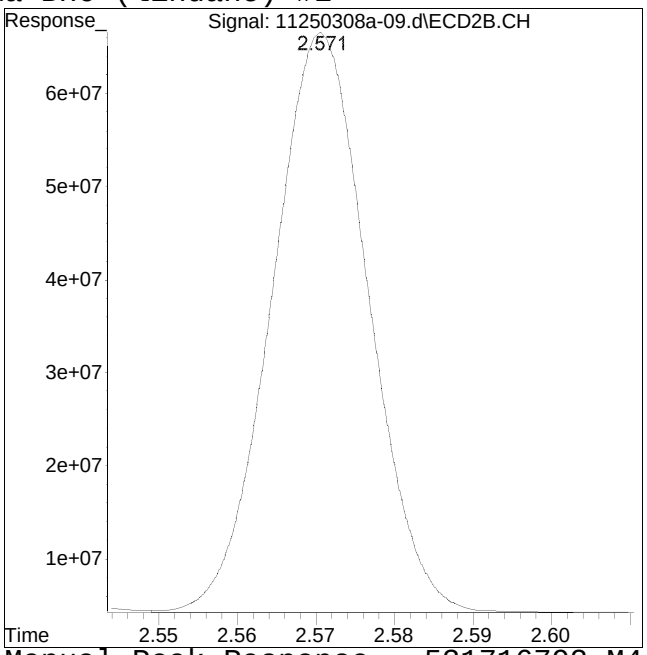
Original Peak Response = 1176525518 Manual Peak Response = 1143458543 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #43: gamma-BHC (lindane) #2



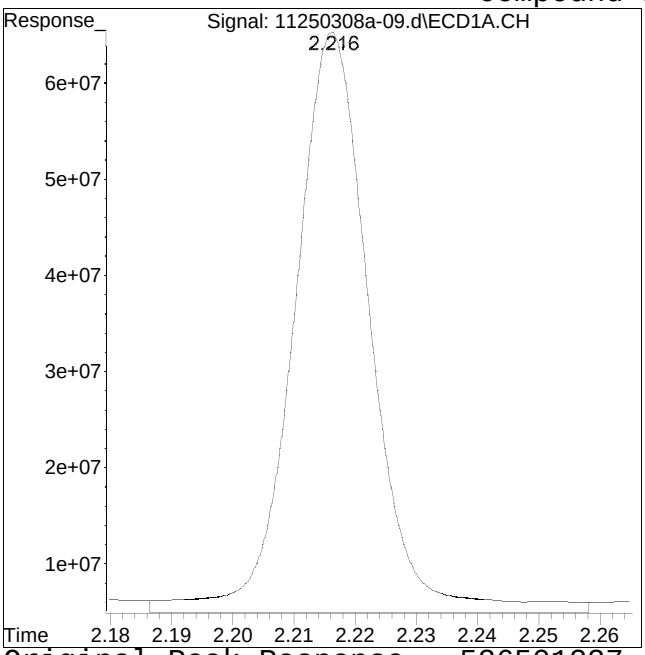


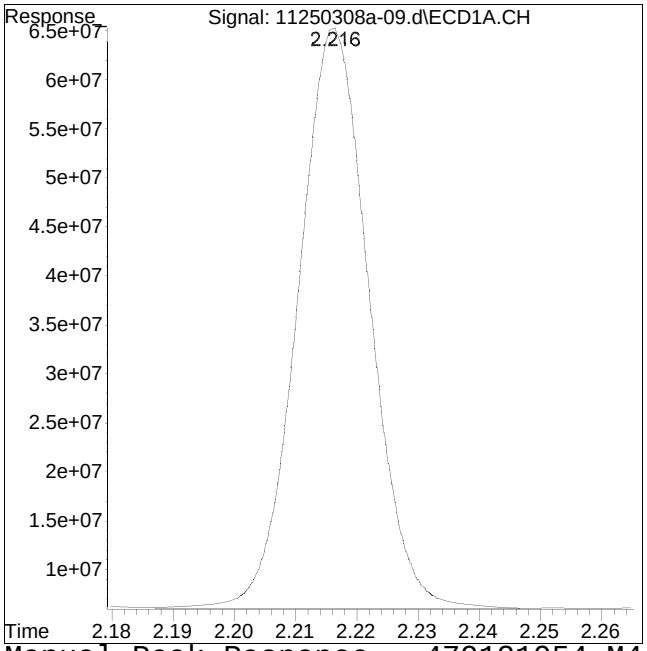
Original Peak Response = 547081082 Manual Peak Response = 531716792 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #6: beta-BHC



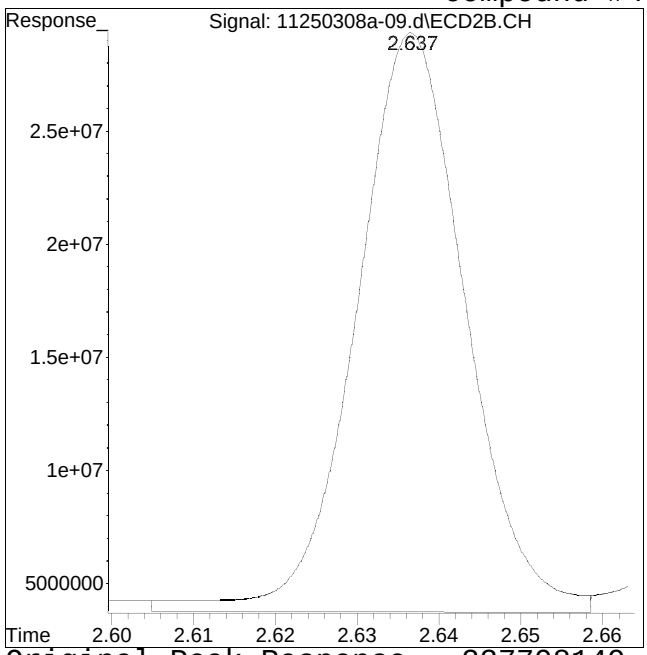


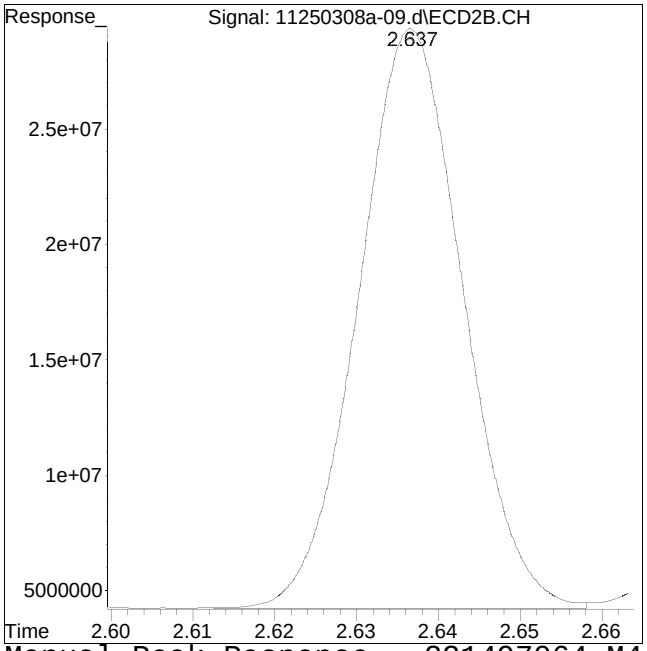
Original Peak Response = 526501227 Manual Peak Response = 479121954 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #44: beta-BHC #2



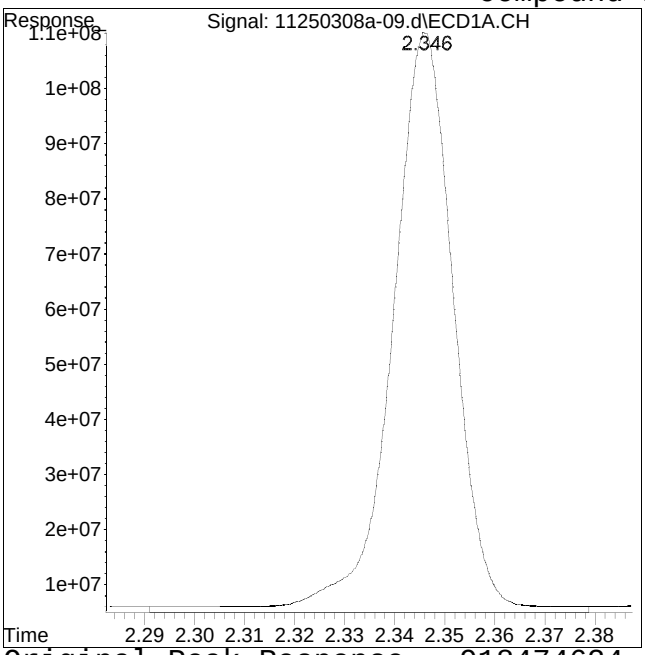


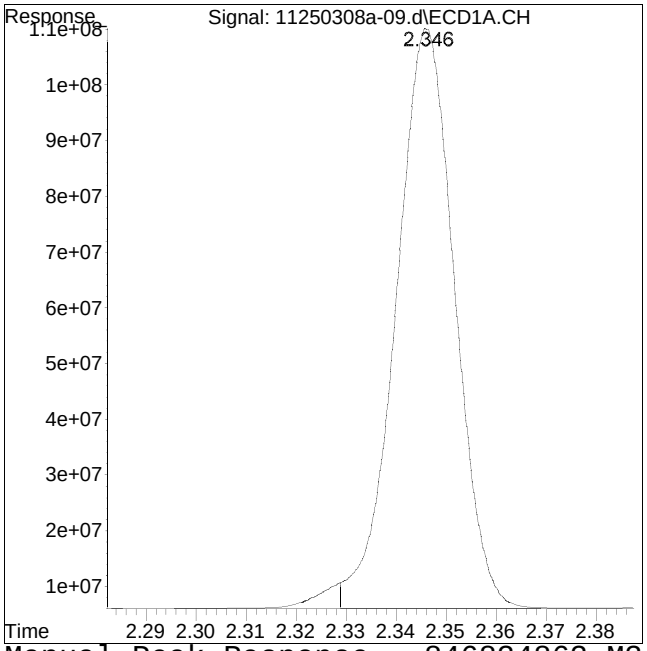
Original Peak Response = 237798149 Manual Peak Response = 221497064 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #7: delta-BHC



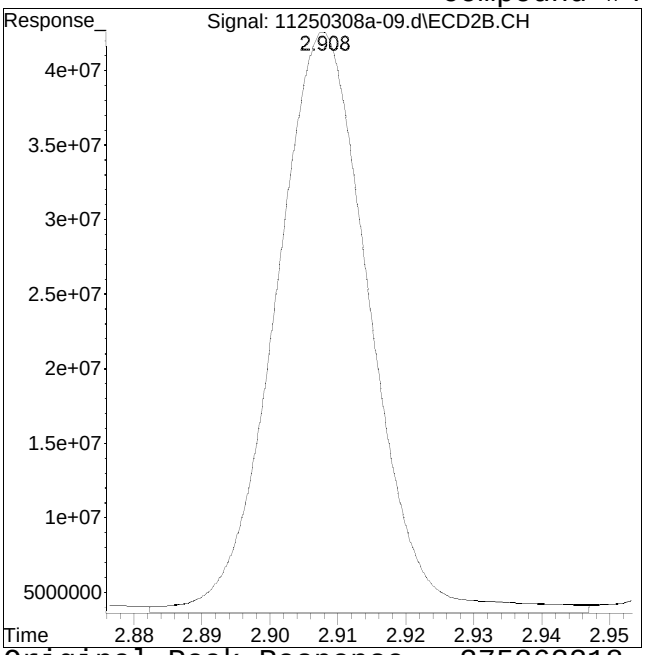


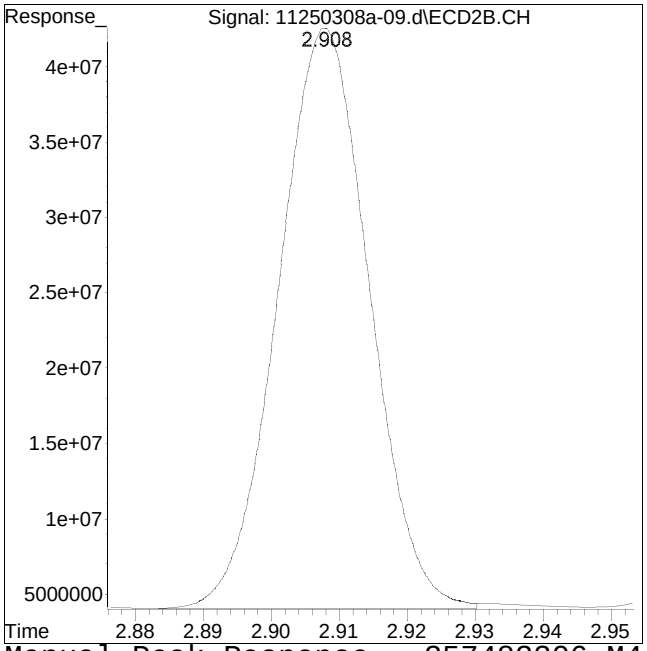
Original Peak Response = 918474624 Manual Peak Response = 846834863 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #45: delta-BHC #2



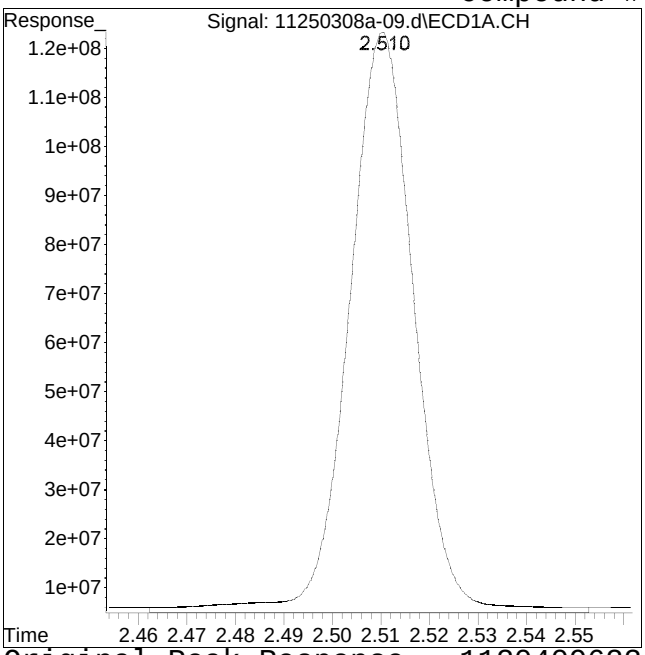


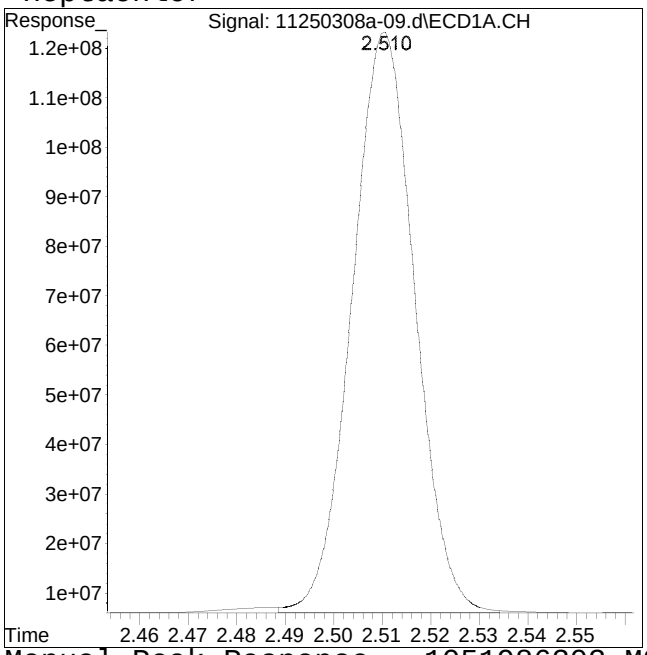
Original Peak Response = 375263318 Manual Peak Response = 357483306 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #8: Heptachlor



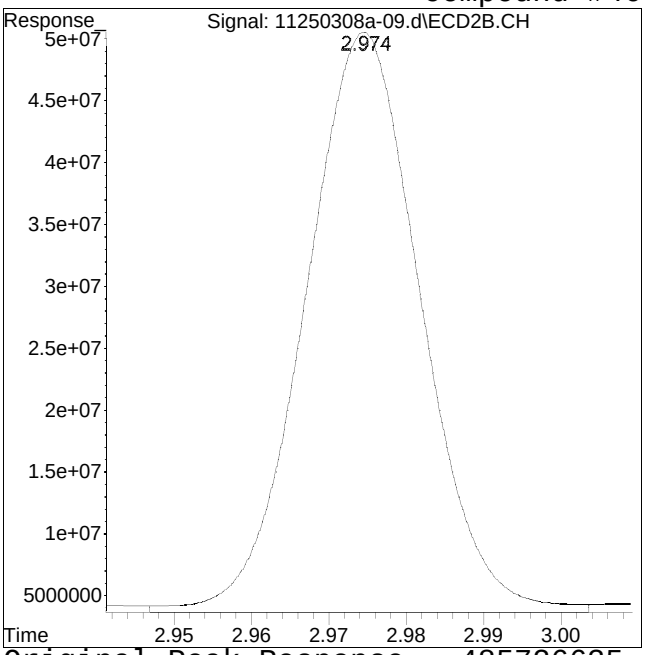


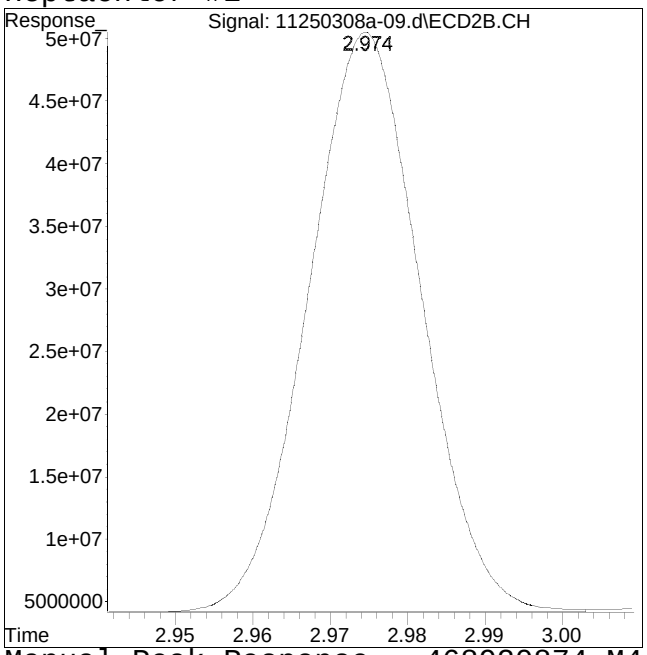
Original Peak Response = 1120409623 Manual Peak Response = 1051986303 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #46: Heptachlor #2



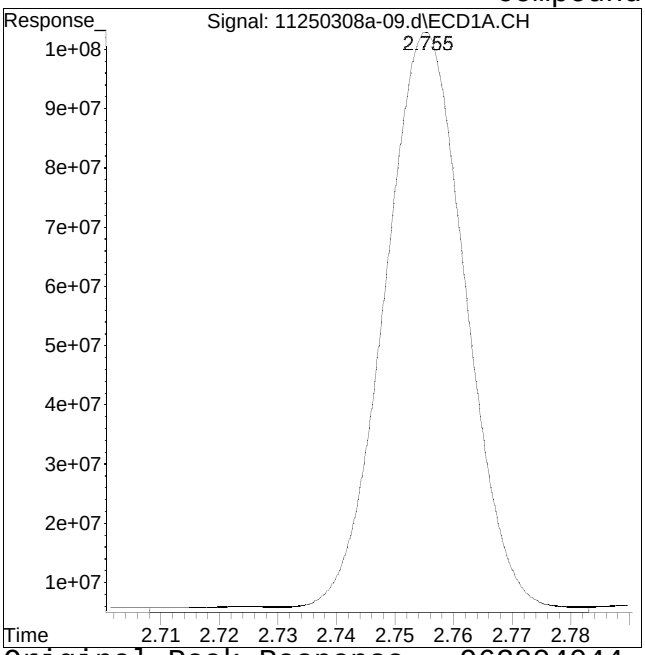


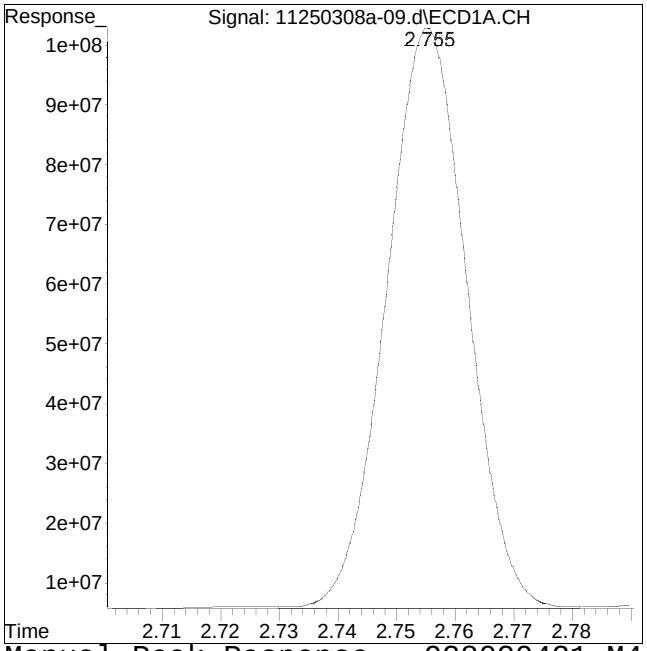
Original Peak Response = 485726635 Manual Peak Response = 468920874 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #9: Aldrin



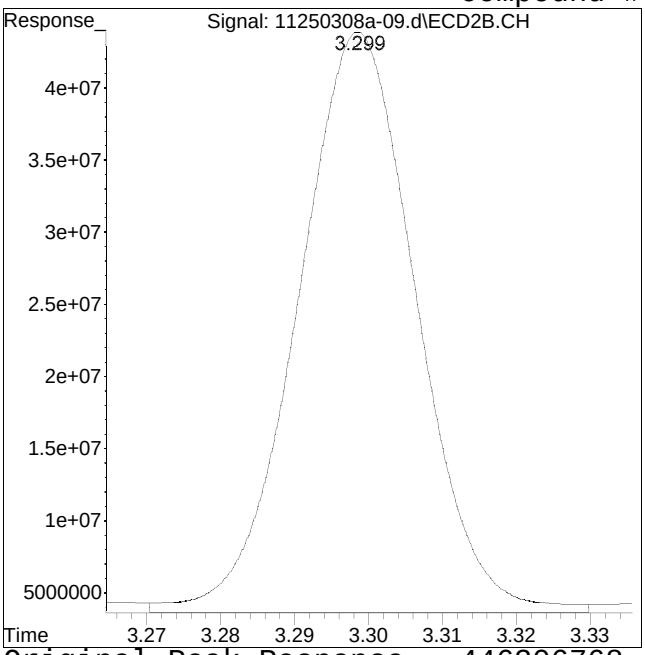


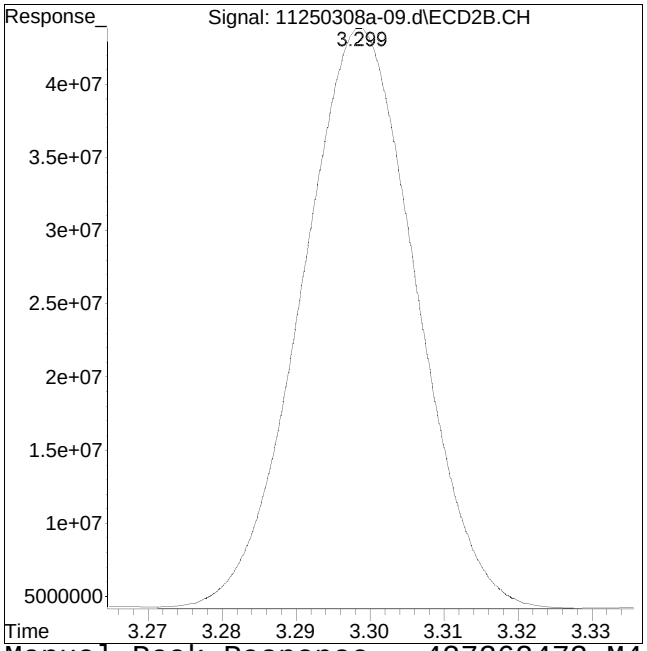
Original Peak Response = 963804044 Manual Peak Response = 928020421 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #47: Aldrin #2



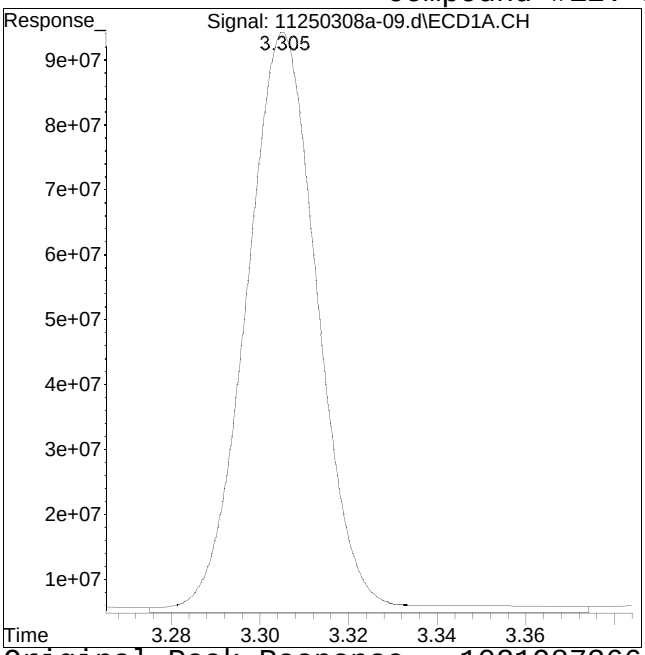


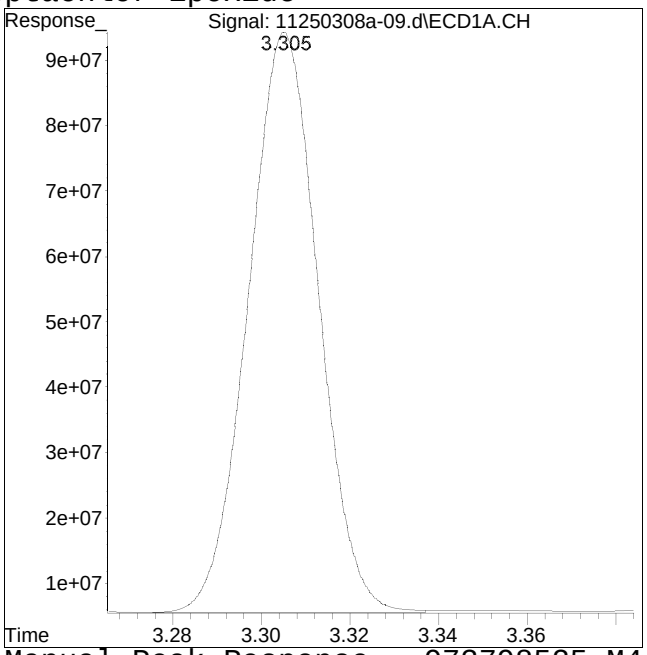
Original Peak Response = 446306768 Manual Peak Response = 427362473 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #12: Heptachlor Epoxide



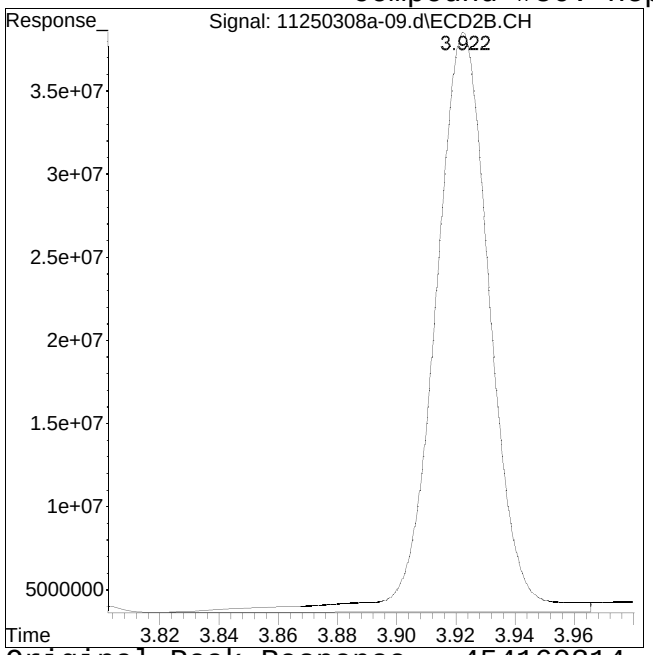


Original Peak Response = 1021987366 Manual Peak Response = 973798525 M4
M4 = Poor automated baseline construction.

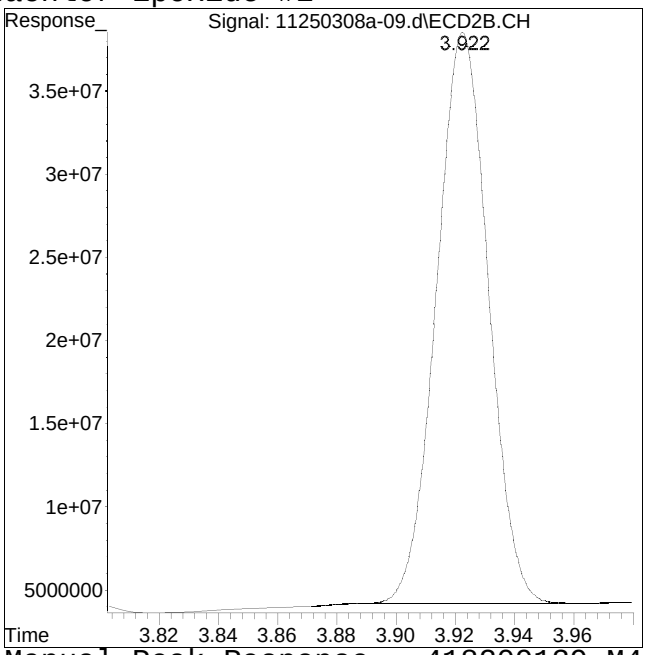
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #50: Heptachlor Epoxide #2



Original Peak Response = 454160314



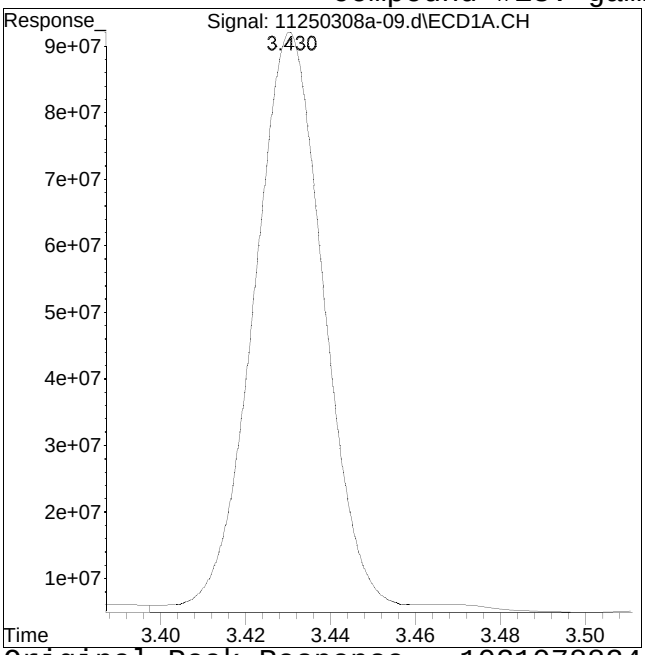
Manual Peak Response = 418209139 M4

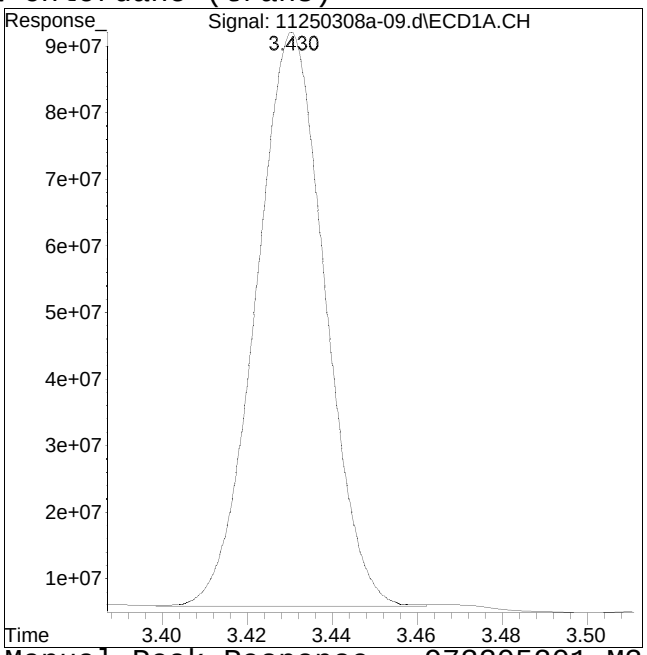
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #13: gamma-Chlordane (trans)



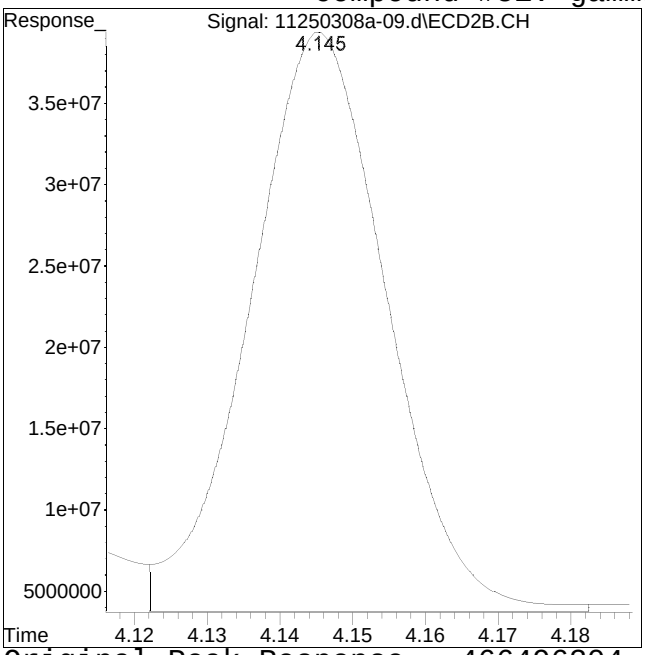


Original Peak Response = 1021078824 Manual Peak Response = 973305201 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

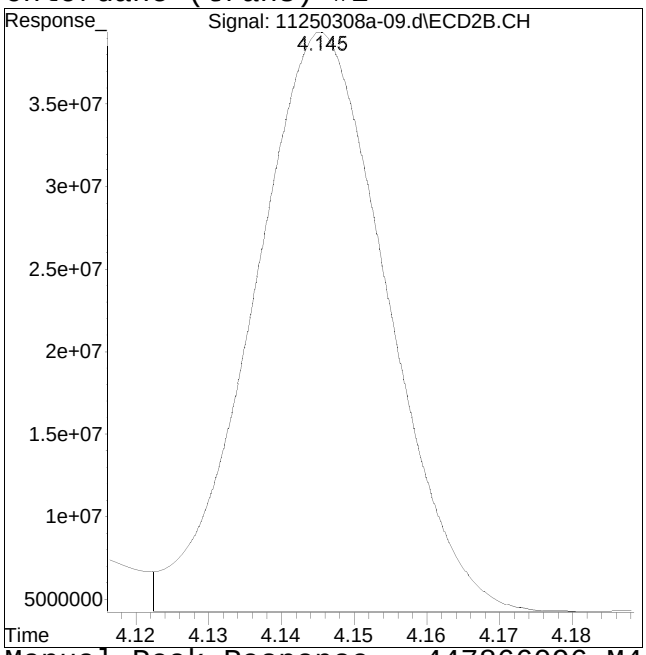
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 466496304

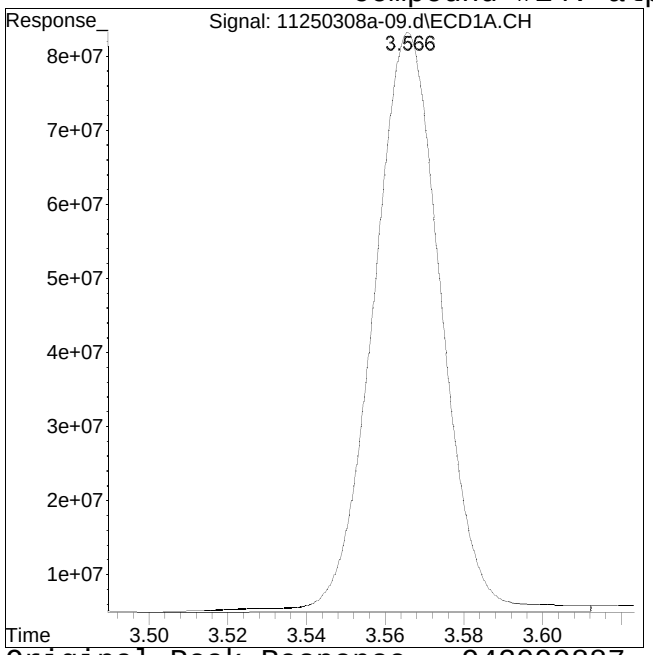


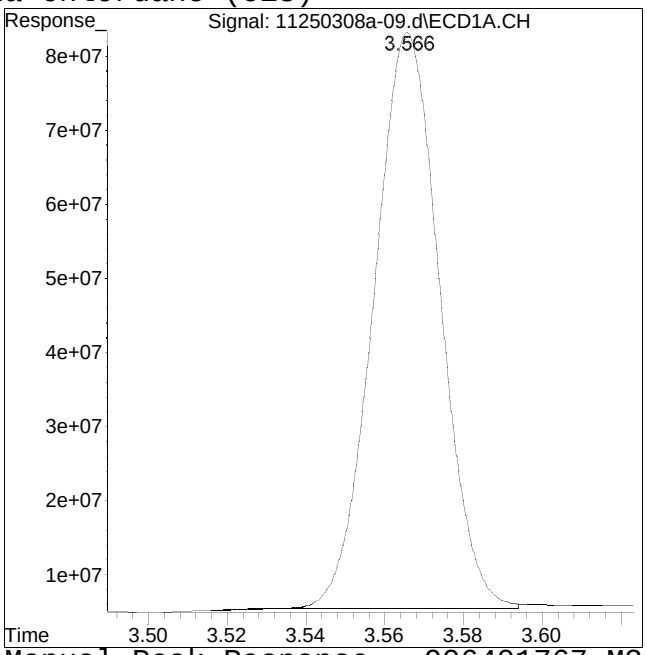
Manual Peak Response = 447866096 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #14: alpha-Chlordane (cis)



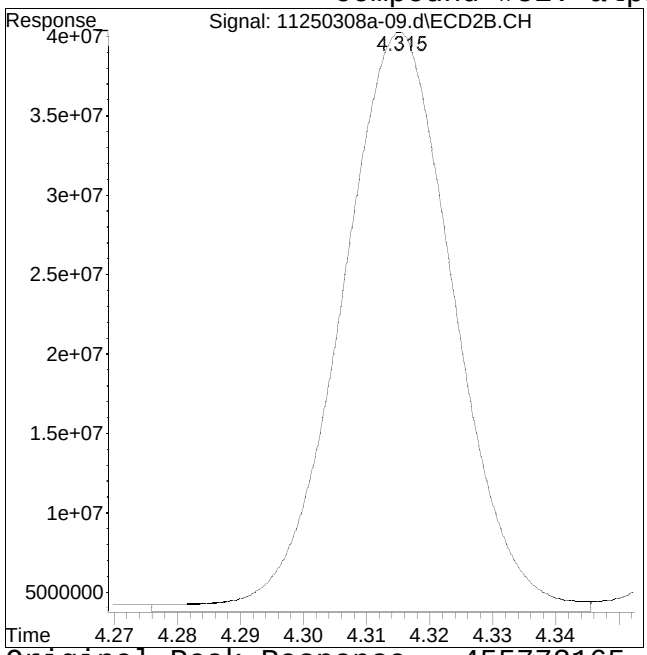


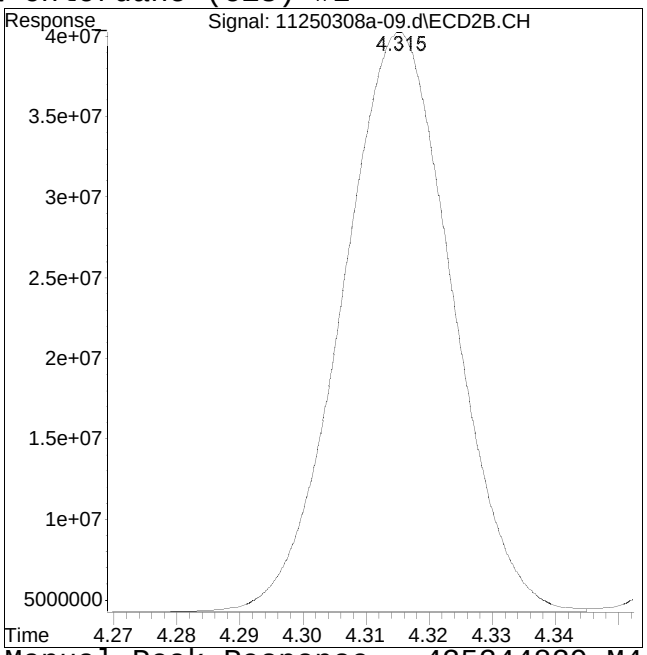
Original Peak Response = 942099887 Manual Peak Response = 906401767 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #52: alpha-Chlordane (cis) #2



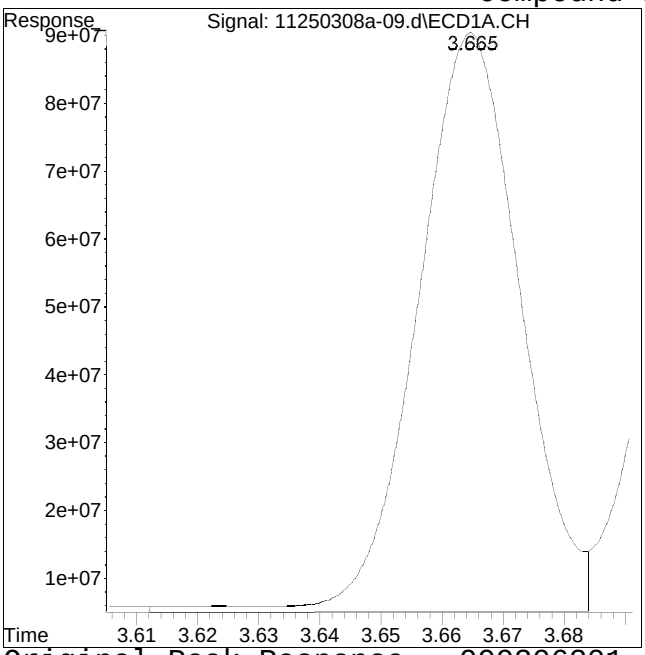


Original Peak Response = 455772165 Manual Peak Response = 435344829 M4
M4 = Poor automated baseline construction.

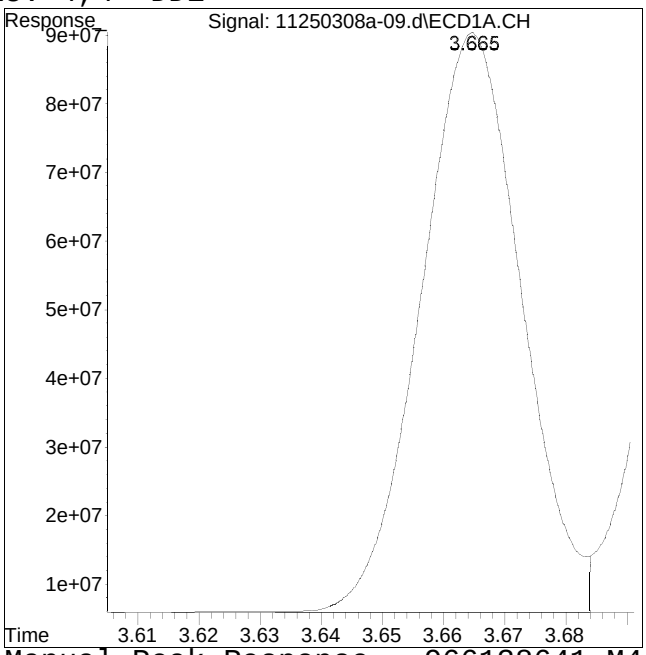
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #15: 4,4'-DDE



Original Peak Response = 999306301



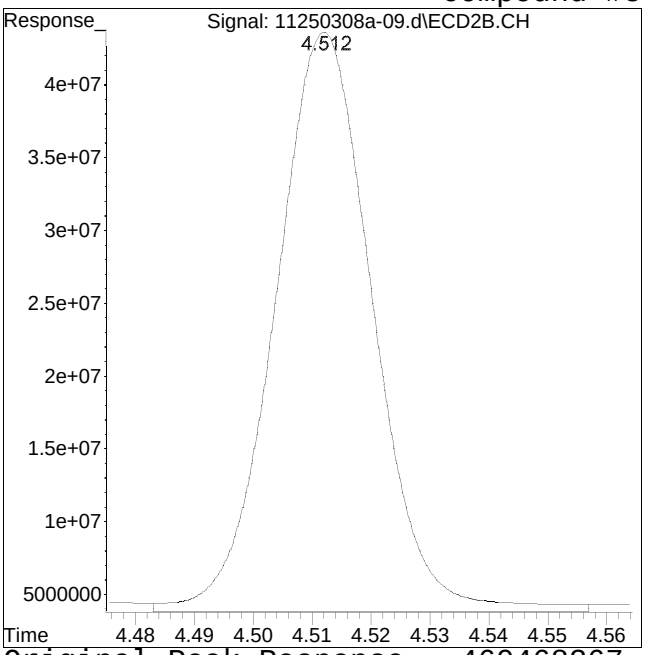
Manual Peak Response = 966138641 M4

M4 = Poor automated baseline construction.

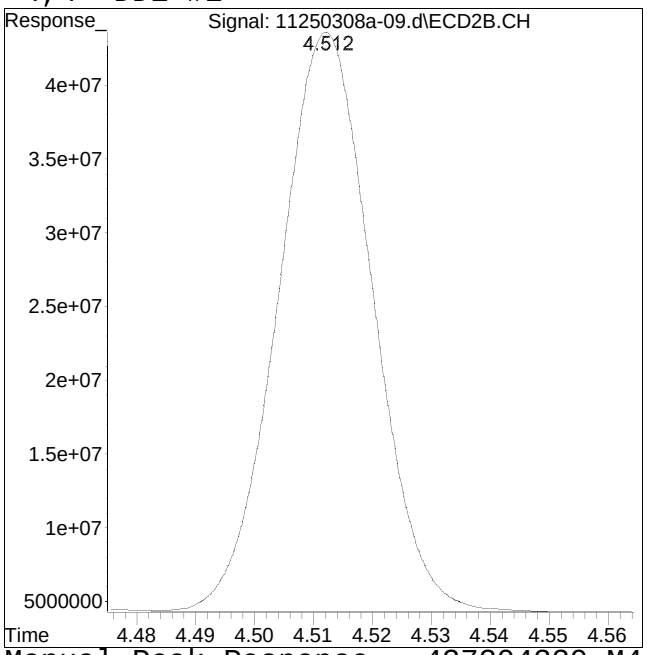
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #53: 4,4'-DDE #2



Original Peak Response = 460468367



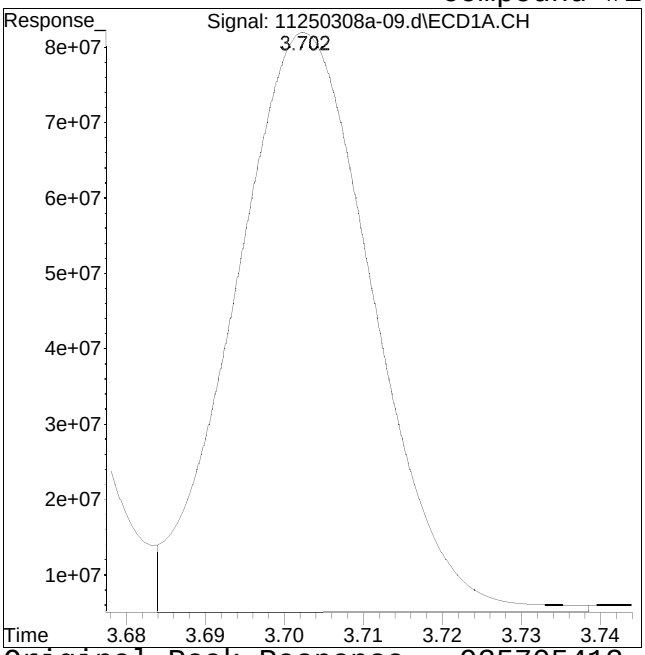
Manual Peak Response = 437304330 M4

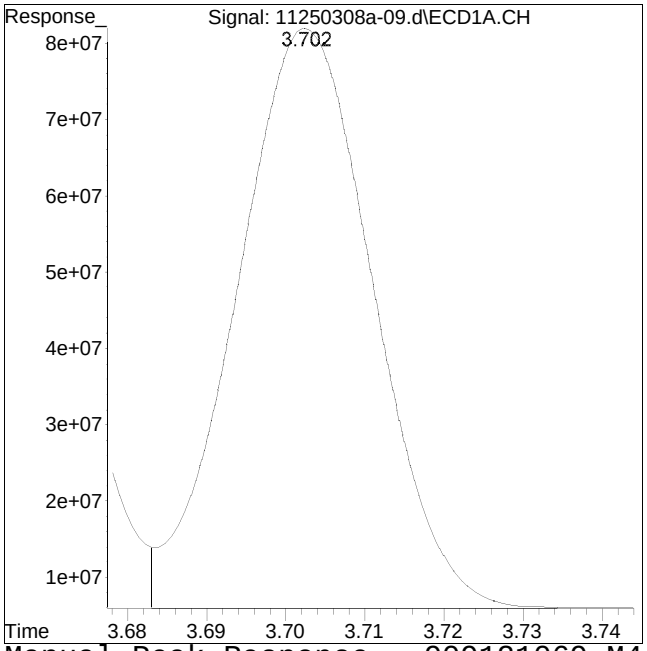
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #16: Endosulfan I



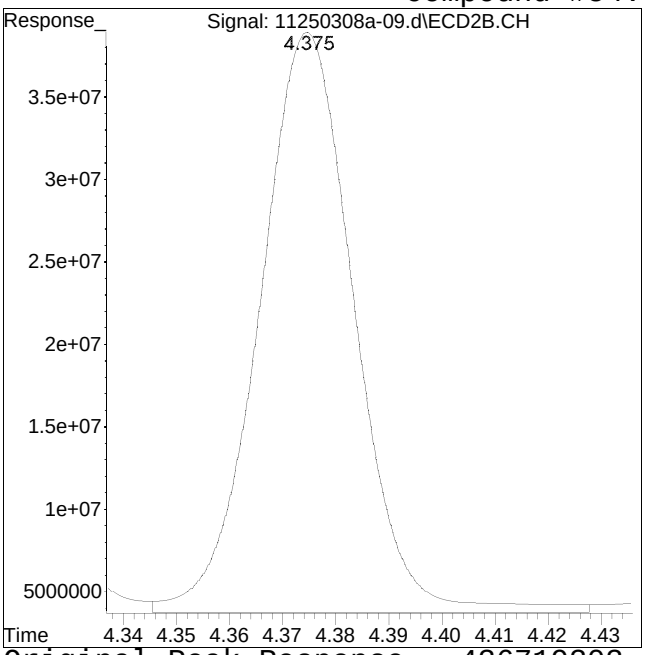


Original Peak Response = 935705413 Manual Peak Response = 909121069 M4
M4 = Poor automated baseline construction.

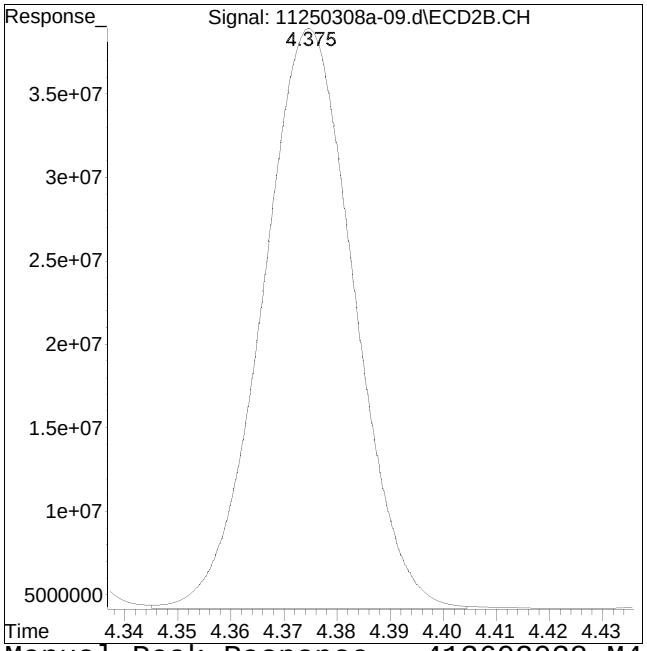
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #54: Endosulfan I #2



Original Peak Response = 436719303



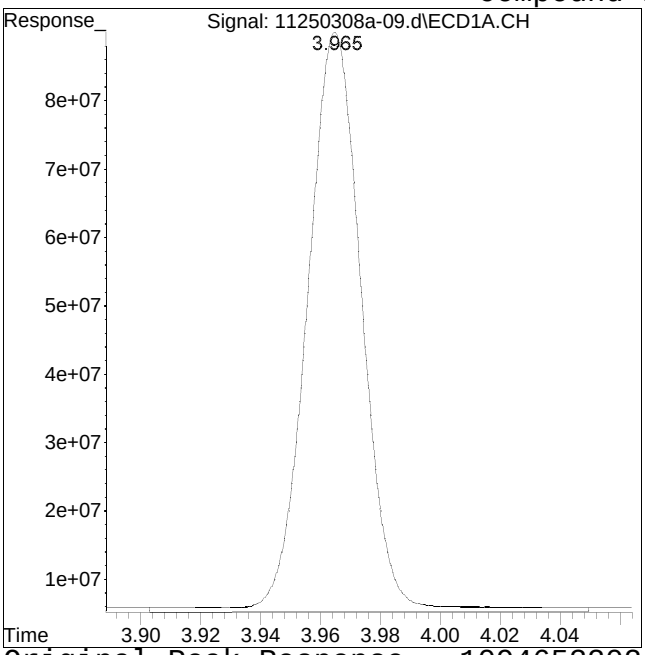
Manual Peak Response = 413602038 M4

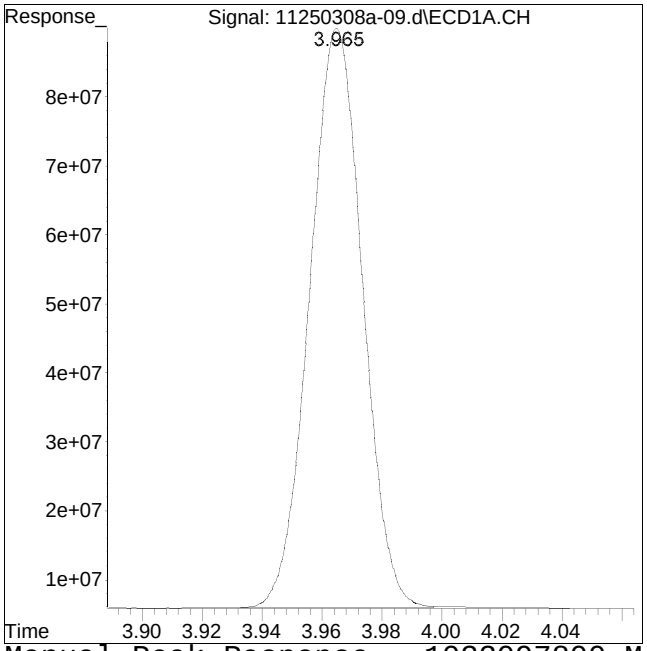
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #17: Dieldrin



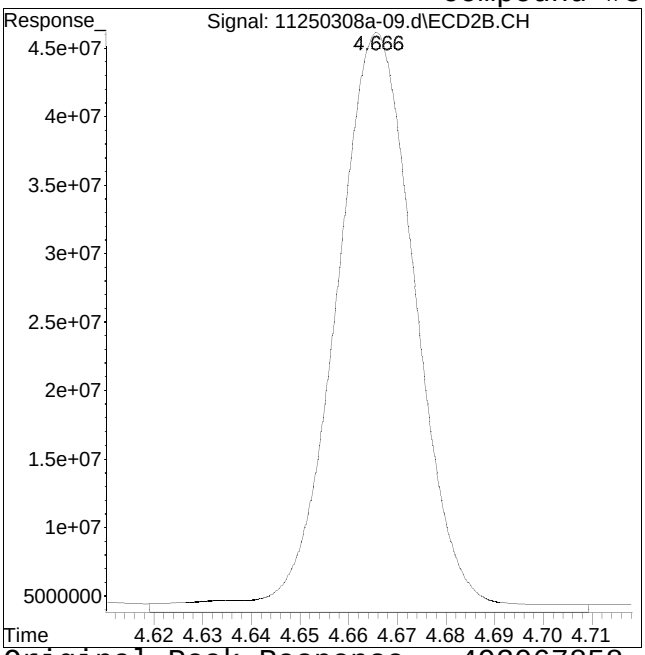


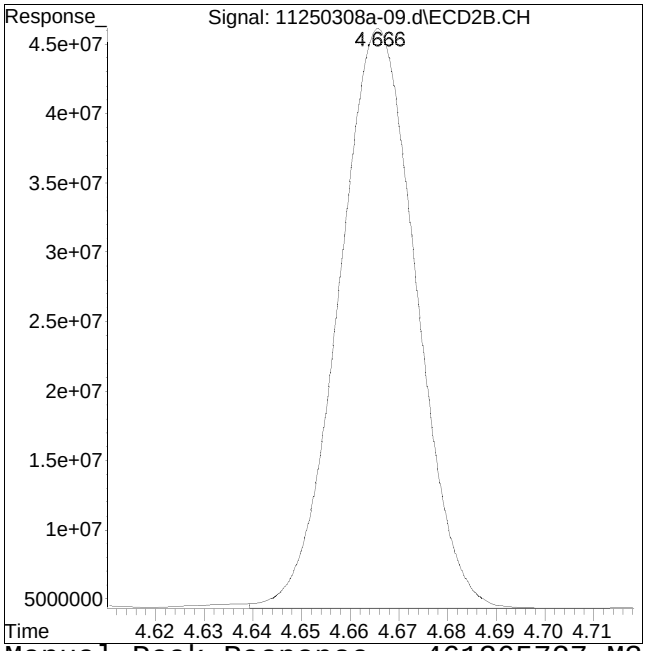
Original Peak Response = 1094653202 Manual Peak Response = 1033097800 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #55: Dieldrin #2



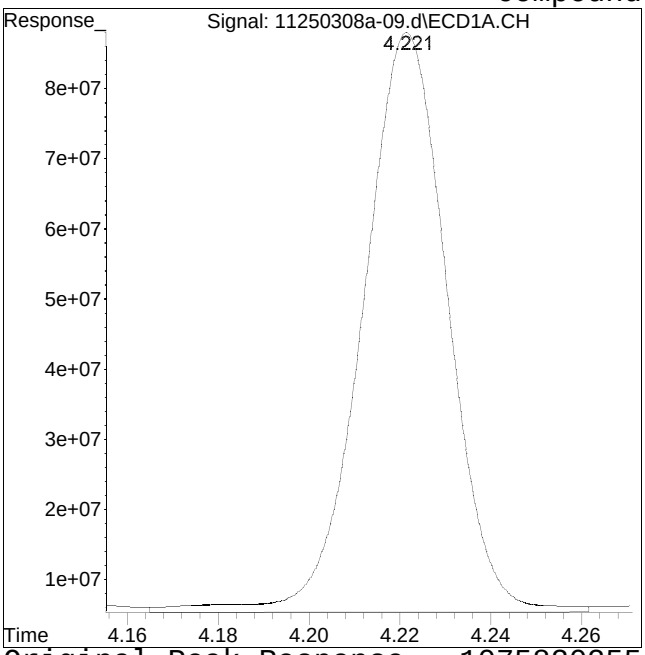


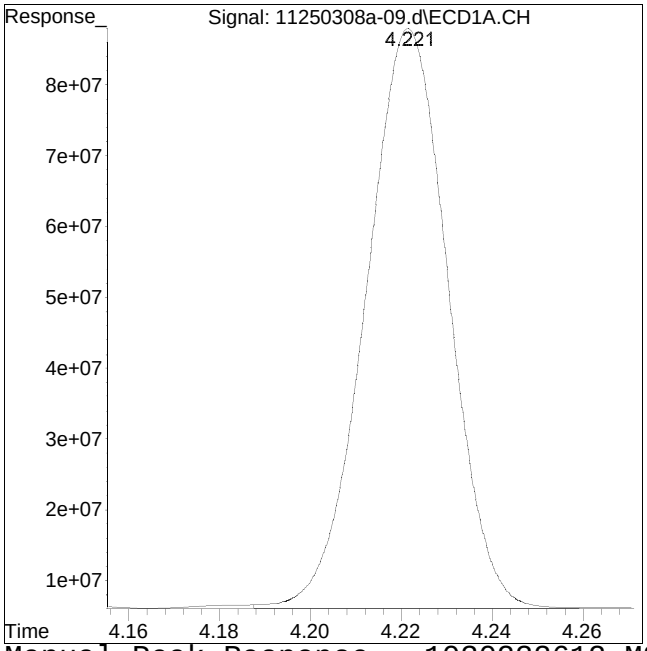
Original Peak Response = 493067858 Manual Peak Response = 461365727 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #18: Endrin



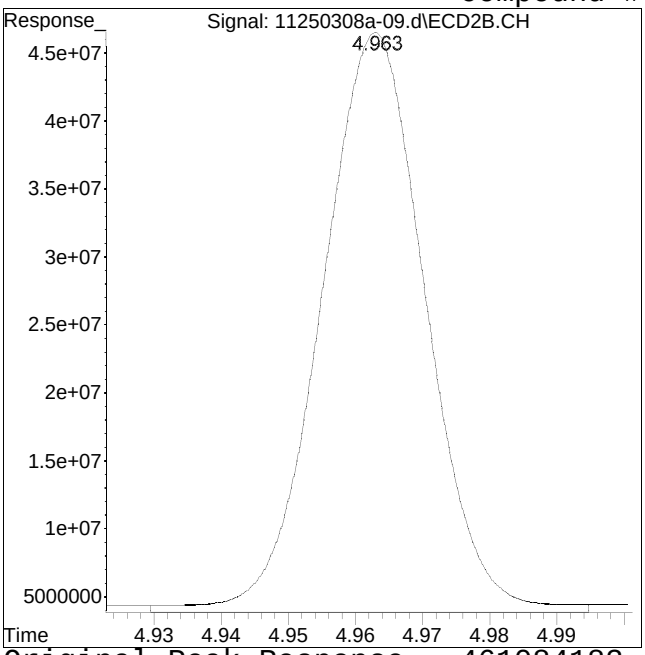


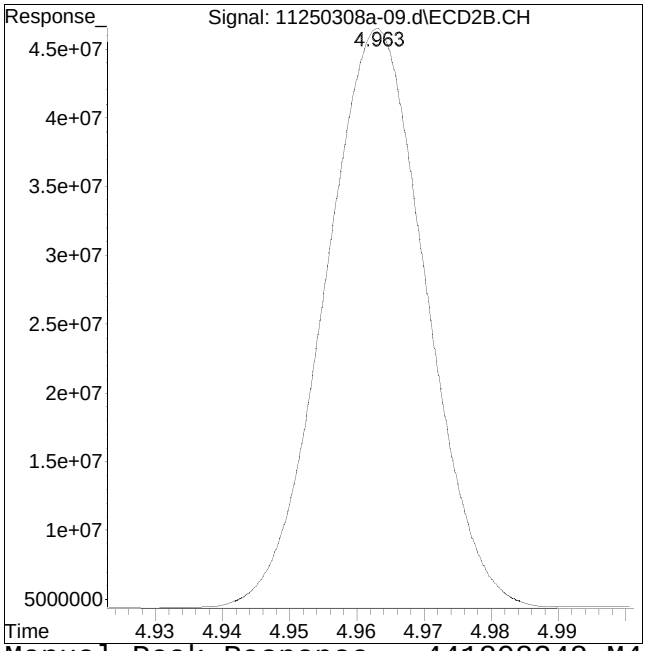
Original Peak Response = 1075820255 Manual Peak Response = 1030232612 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #56: Endrin #2



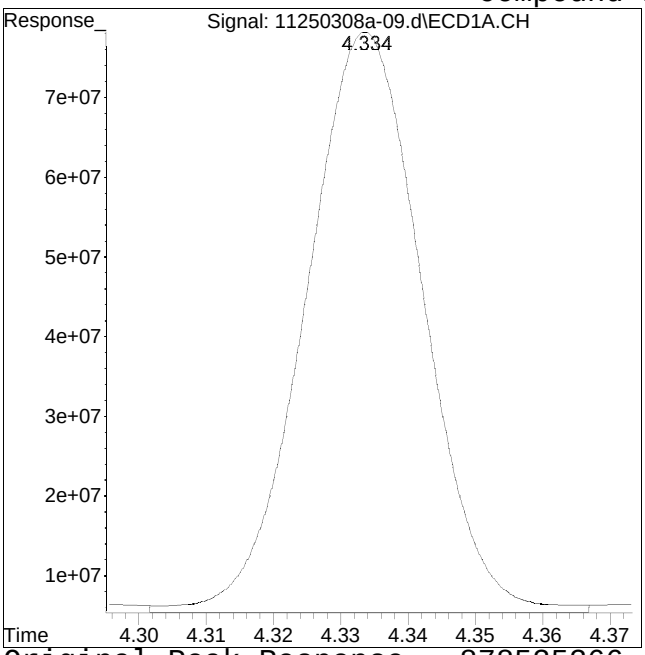


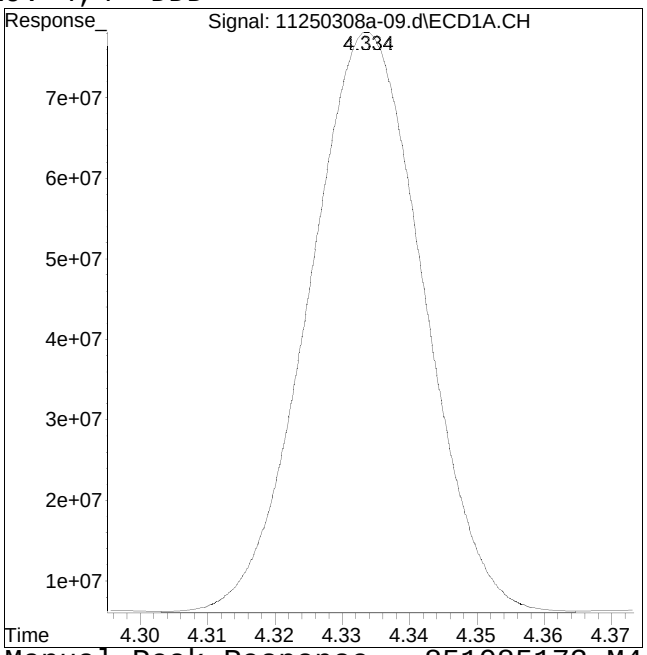
Original Peak Response = 461084183 Manual Peak Response = 441808248 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #19: 4,4'-DDD



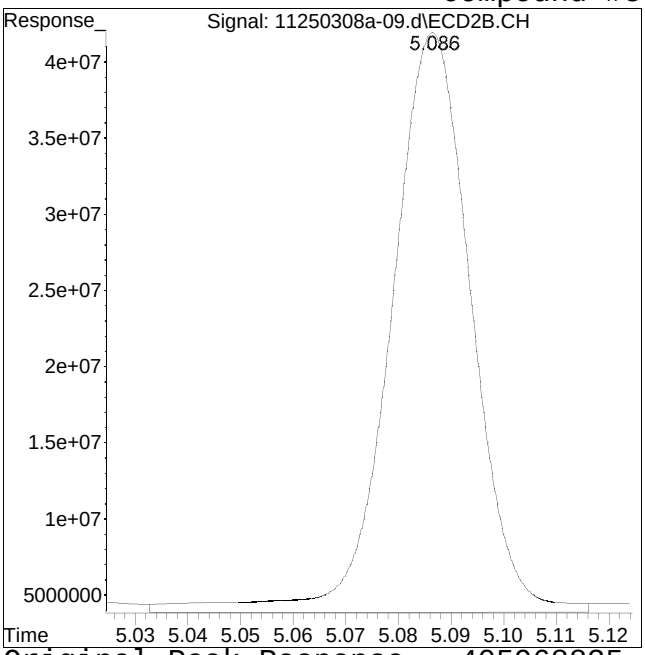


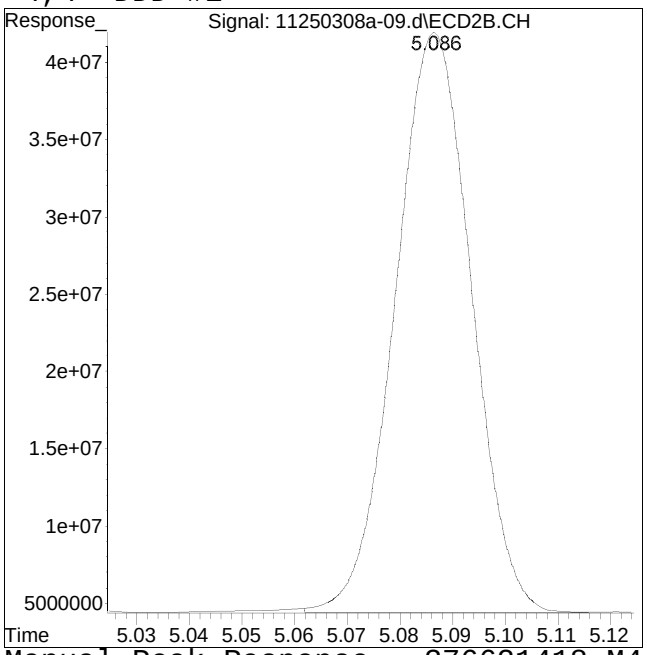
Original Peak Response = 878535366 Manual Peak Response = 851085173 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #57: 4,4'-DDD #2



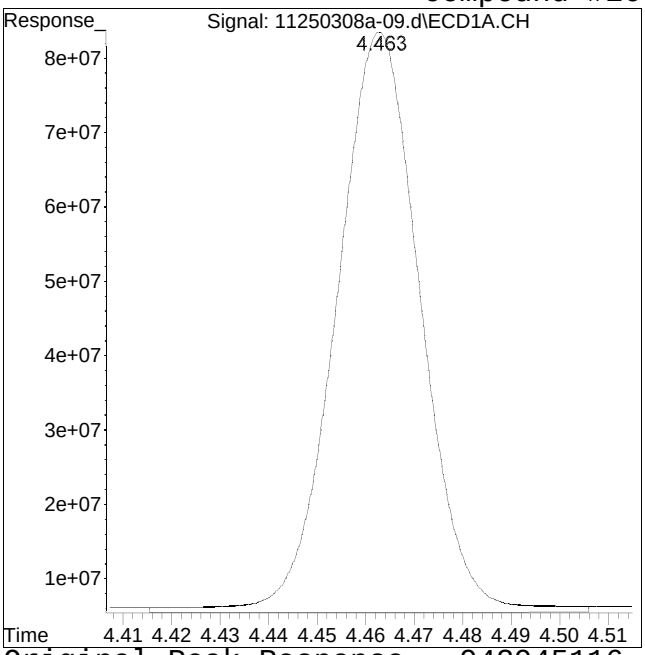


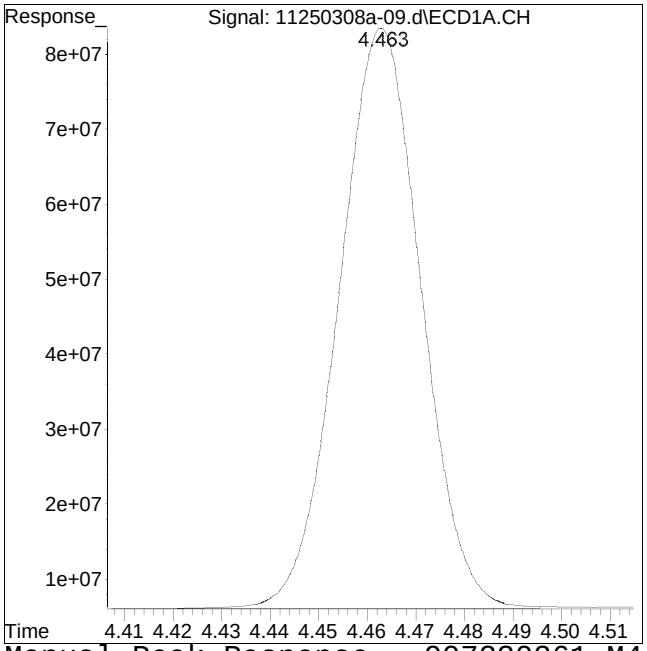
Original Peak Response = 405968835 Manual Peak Response = 376621418 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #20: Endosulfan II



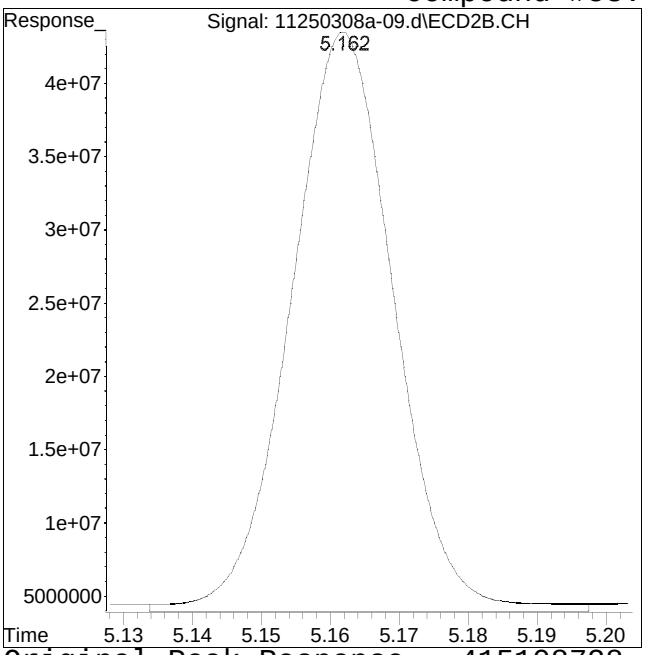


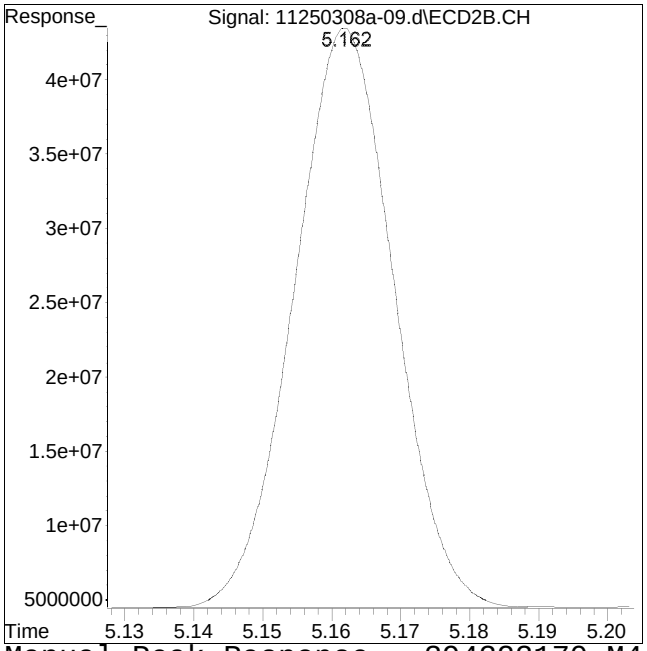
Original Peak Response = 942945116 Manual Peak Response = 907230261 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #58: Endosulfan II #2



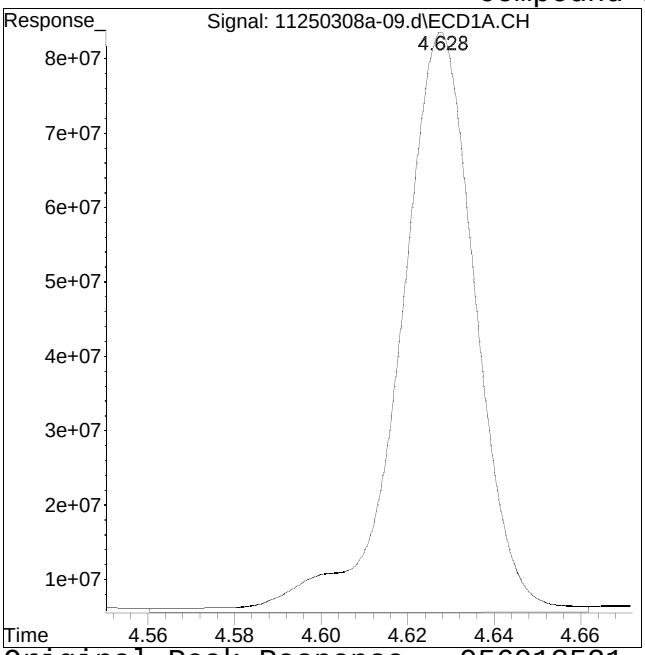


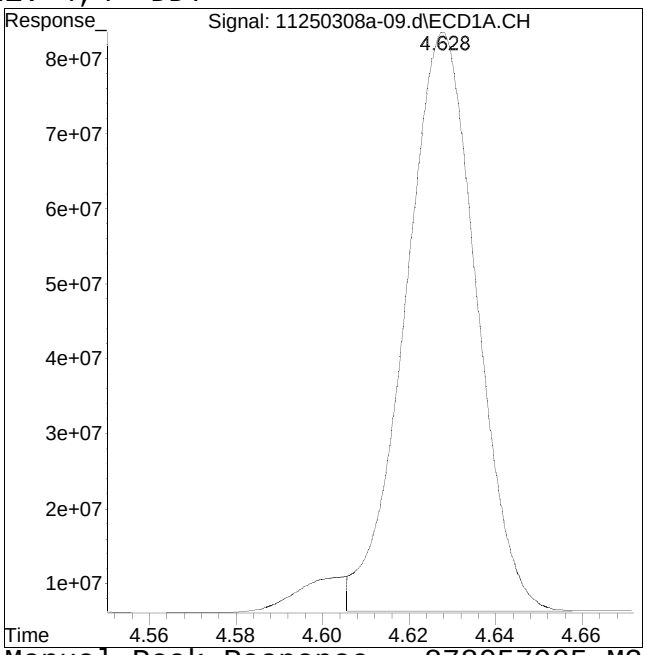
Original Peak Response = 415108728 Manual Peak Response = 394323170 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #21: 4,4'-DDT



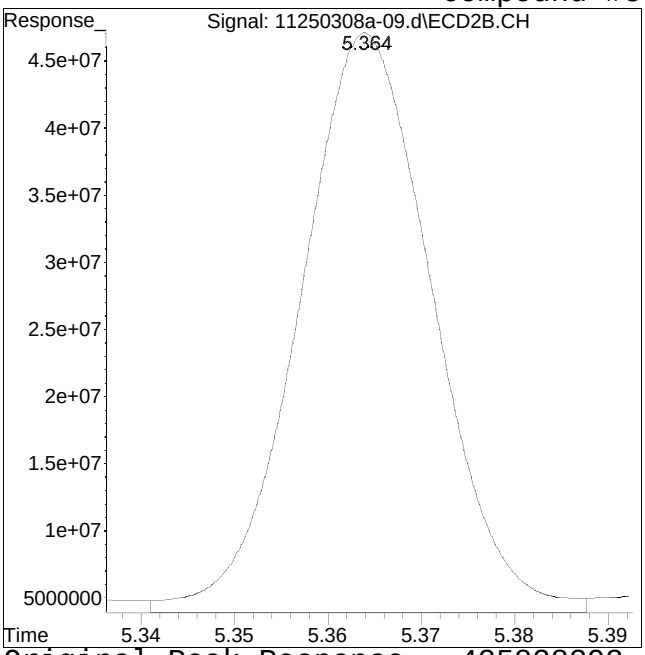


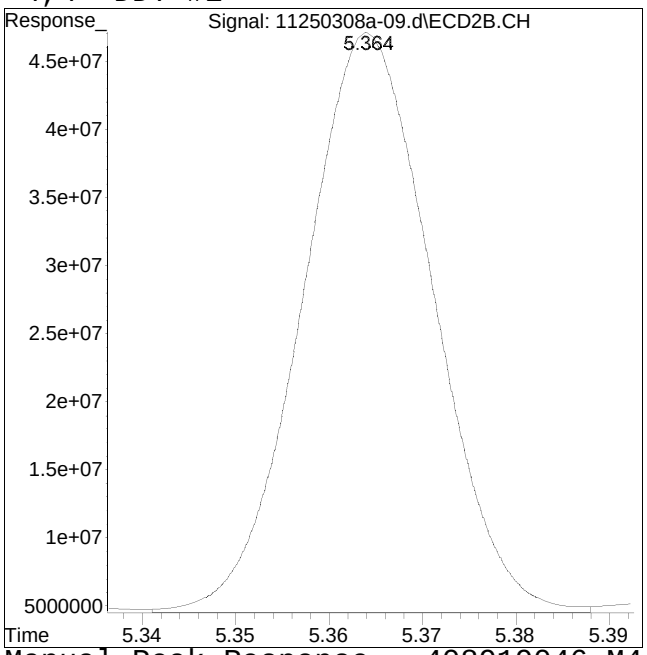
Original Peak Response = 956913521 Manual Peak Response = 878057905 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #59: 4,4'-DDT #2



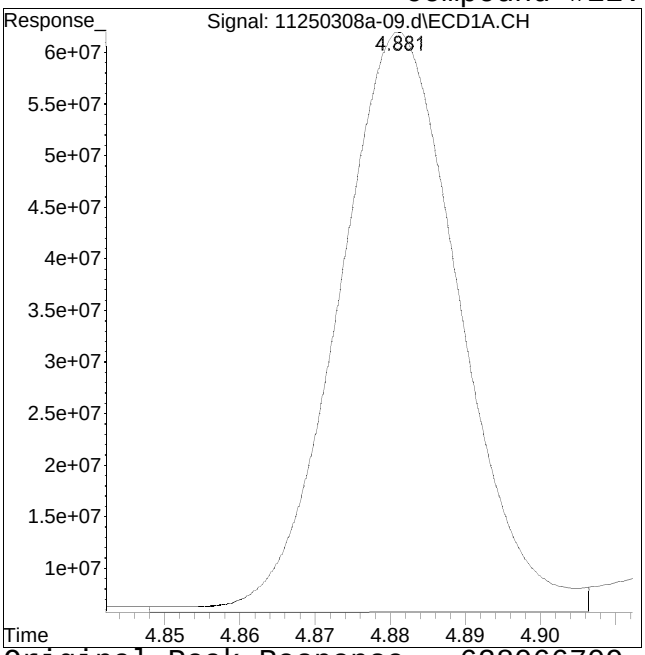


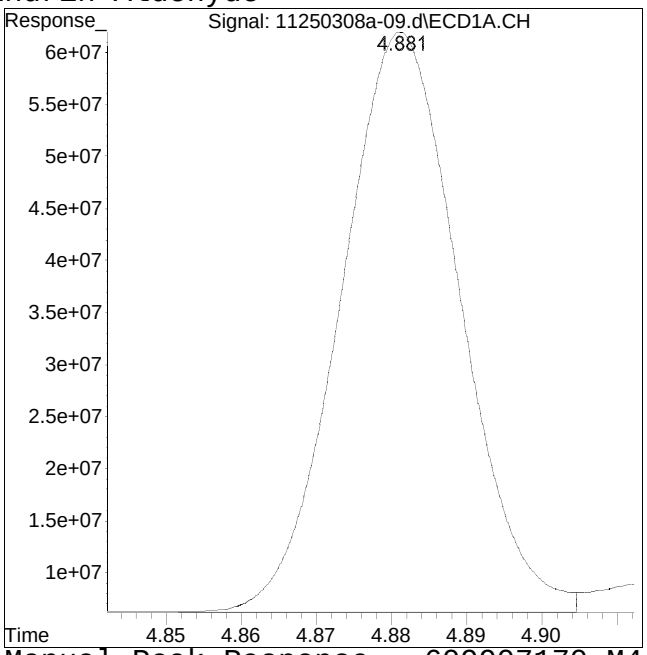
Original Peak Response = 425828393 Manual Peak Response = 408919046 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #22: Endrin Aldehyde



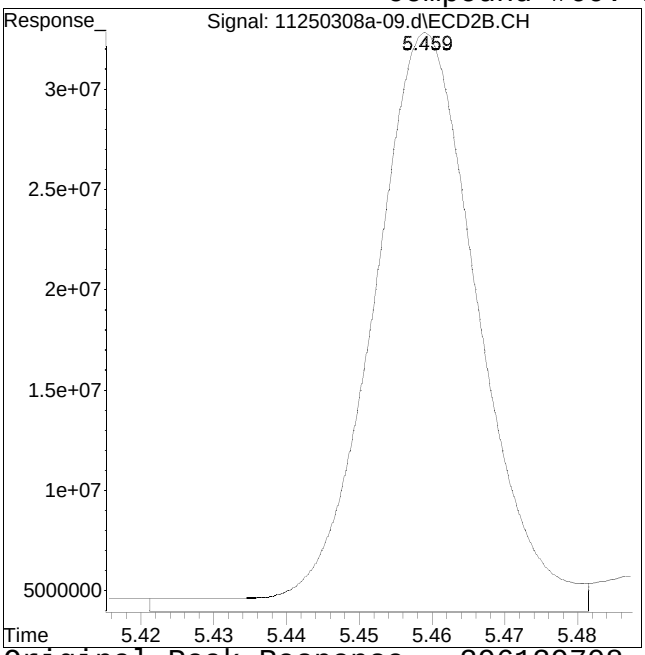


Original Peak Response = 628066709 Manual Peak Response = 609907170 M4
M4 = Poor automated baseline construction.

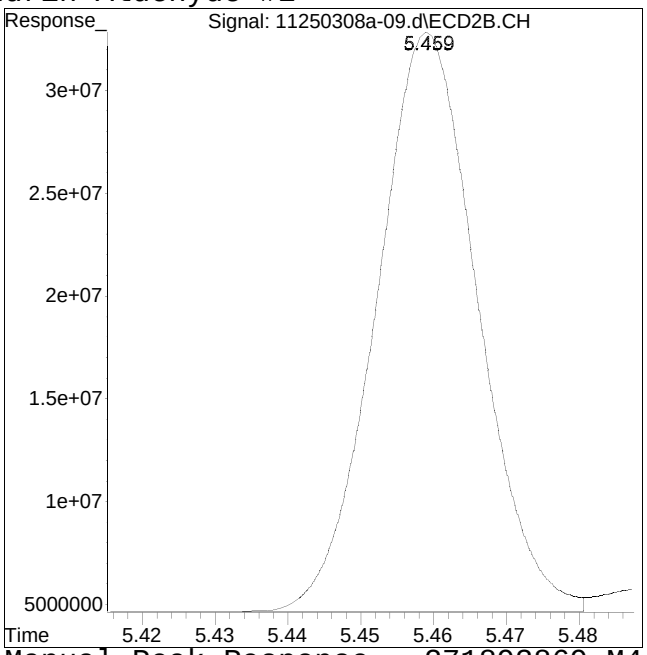
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #60: Endrin Aldehyde #2



Original Peak Response = 296139708



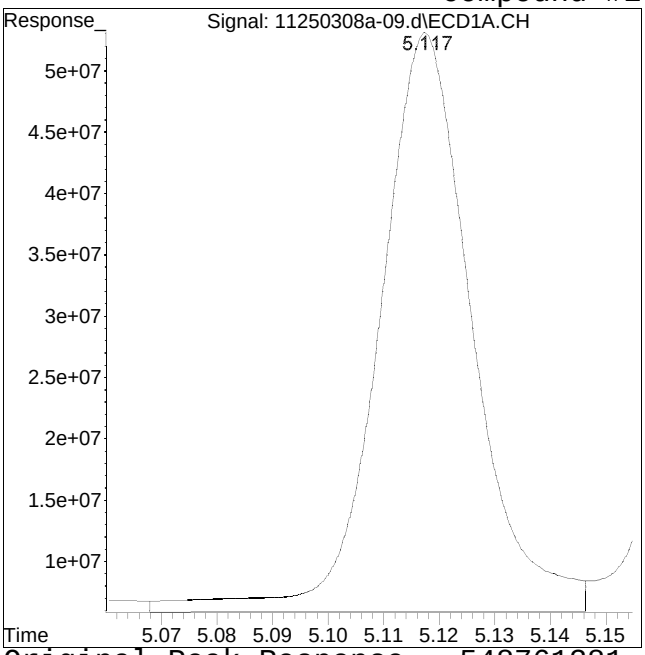
Manual Peak Response = 271893869 M4

M4 = Poor automated baseline construction.

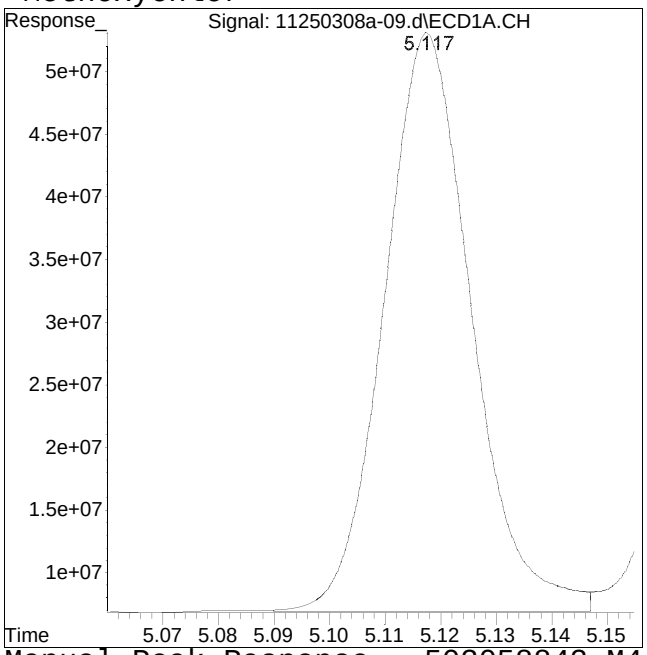
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #23: Methoxychlor



Original Peak Response = 548761381



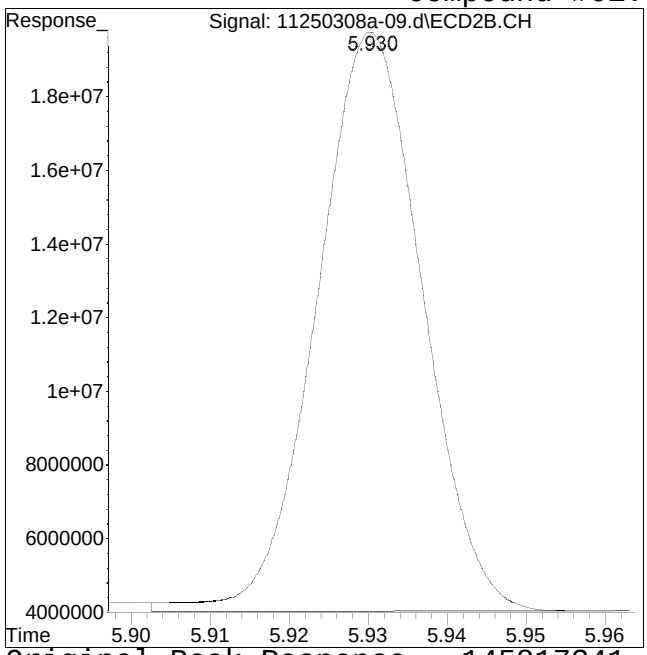
Manual Peak Response = 503058843 M4

M4 = Poor automated baseline construction.

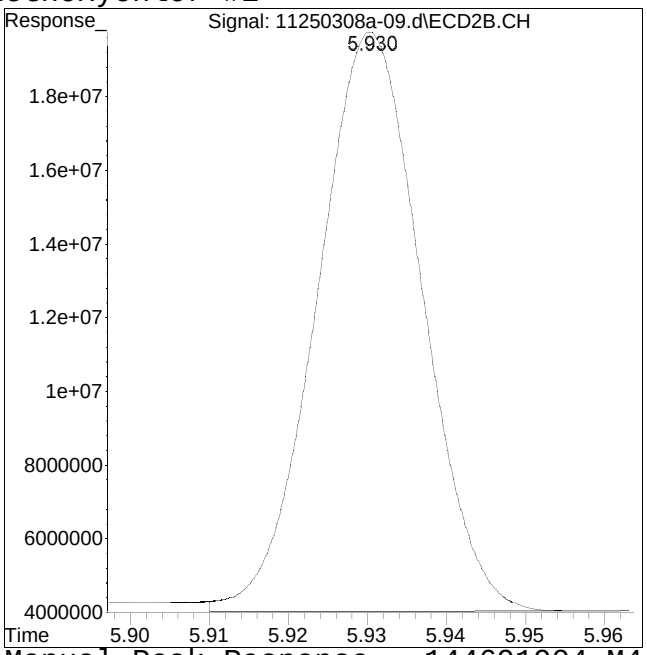
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #61: Methoxychlor #2



Original Peak Response = 145817341



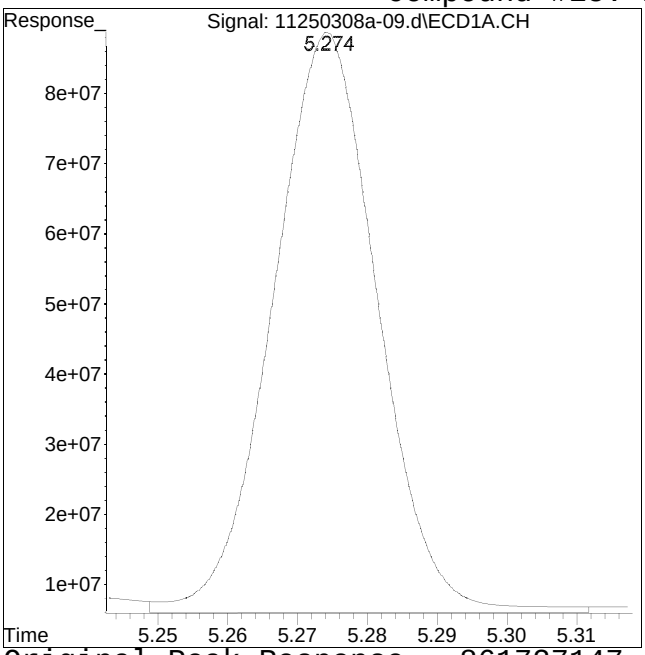
Manual Peak Response = 144691904 M4

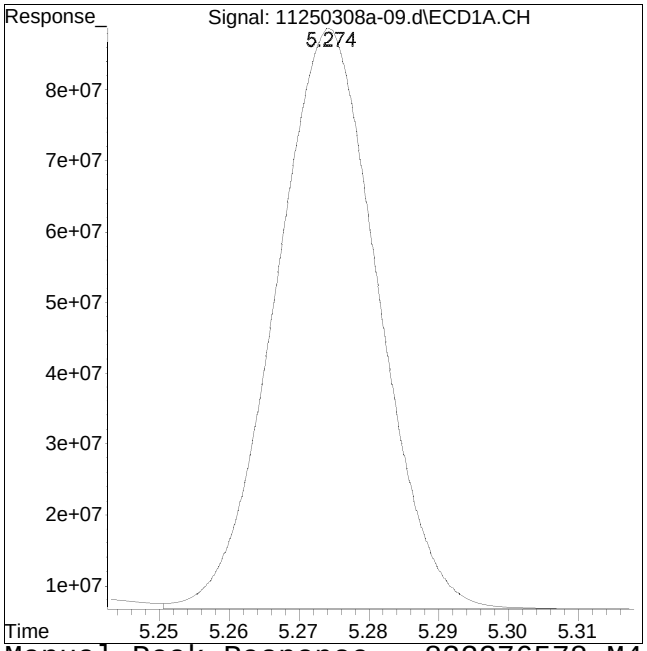
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #25: Endosulfan Sulfate



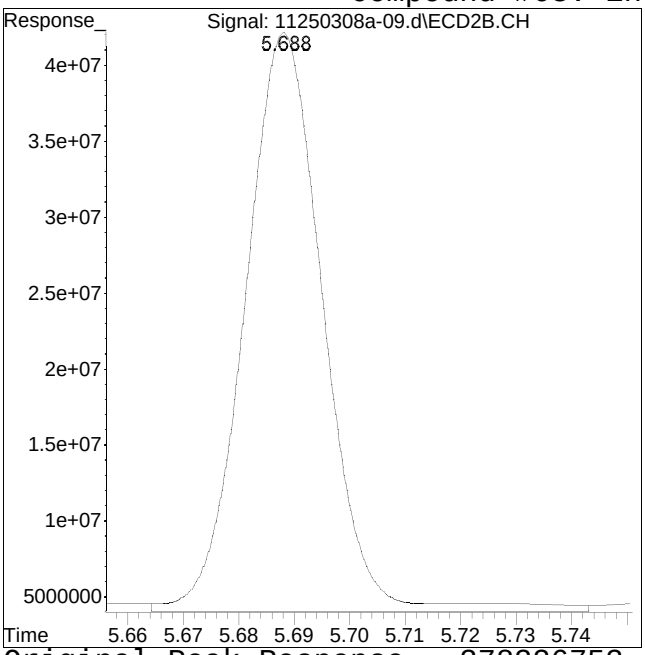


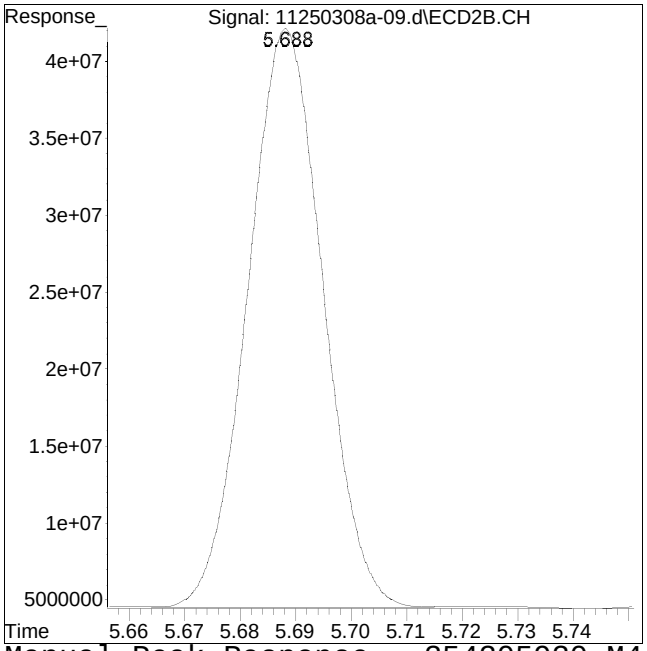
Original Peak Response = 861727147 Manual Peak Response = 832376578 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #63: Endosulfan Sulfate #2



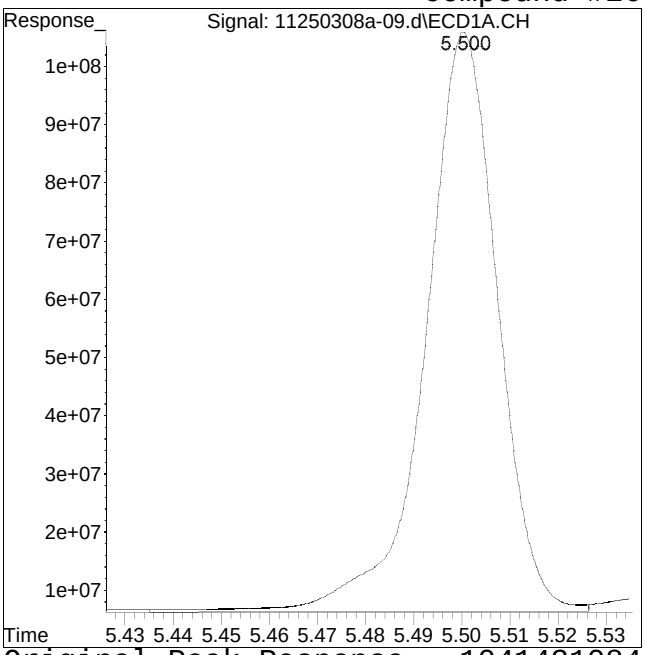


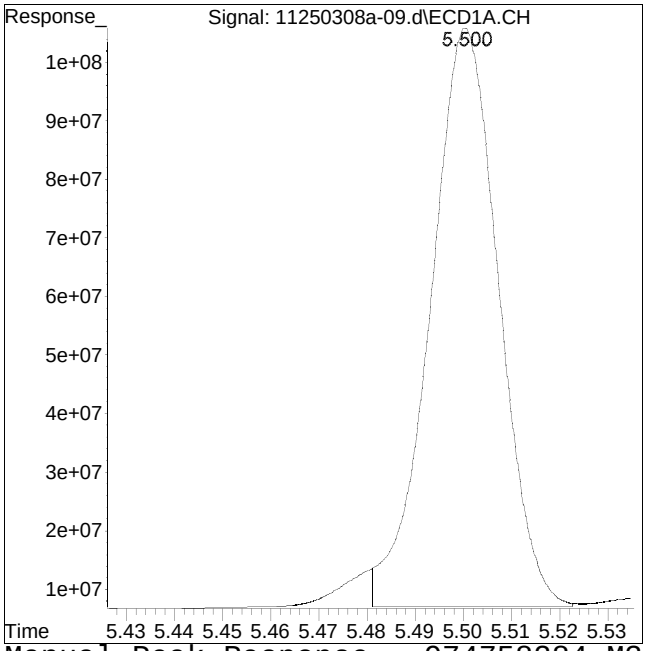
Original Peak Response = 378326753 Manual Peak Response = 354305930 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #26: Endrin Ketone



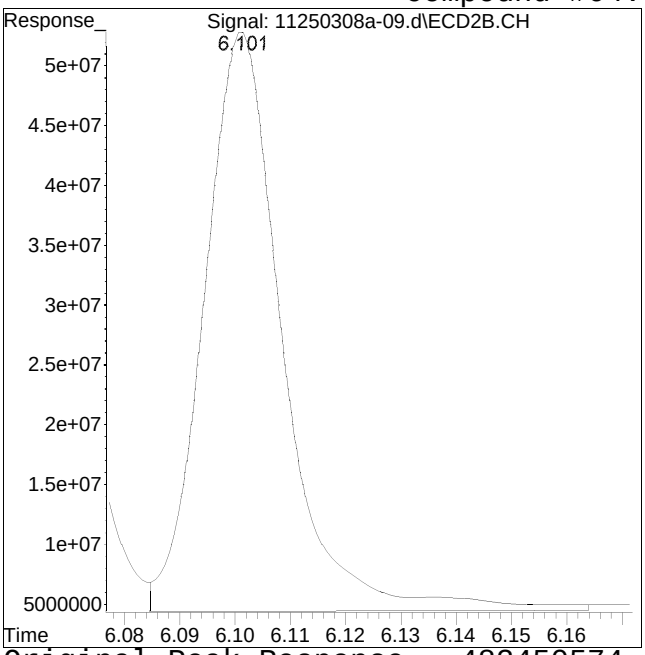


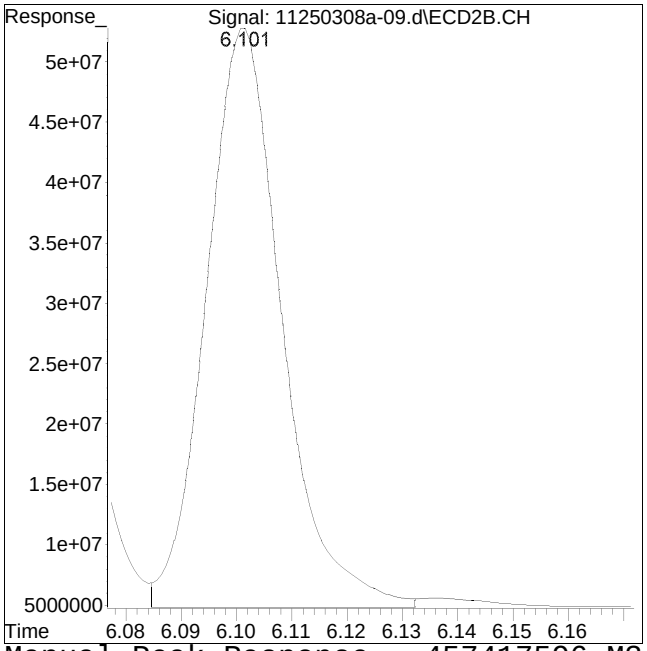
Original Peak Response = 1041431084 Manual Peak Response = 974758284 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #64: Endrin Ketone #2



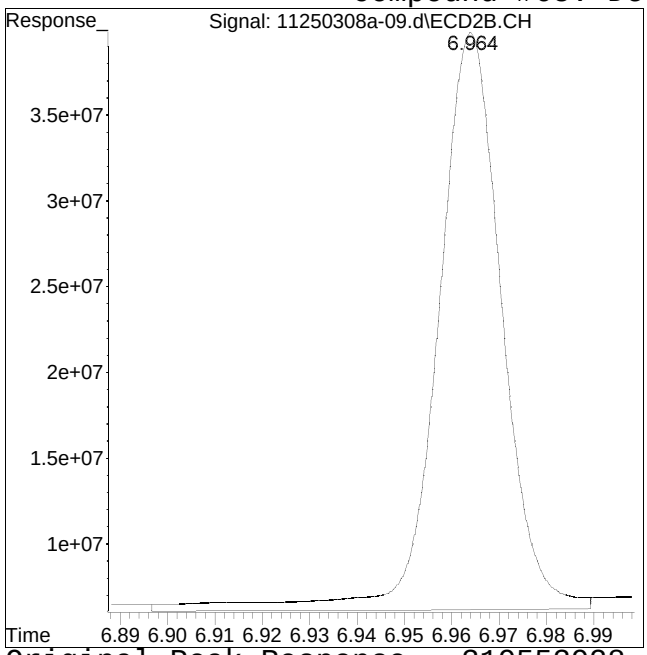


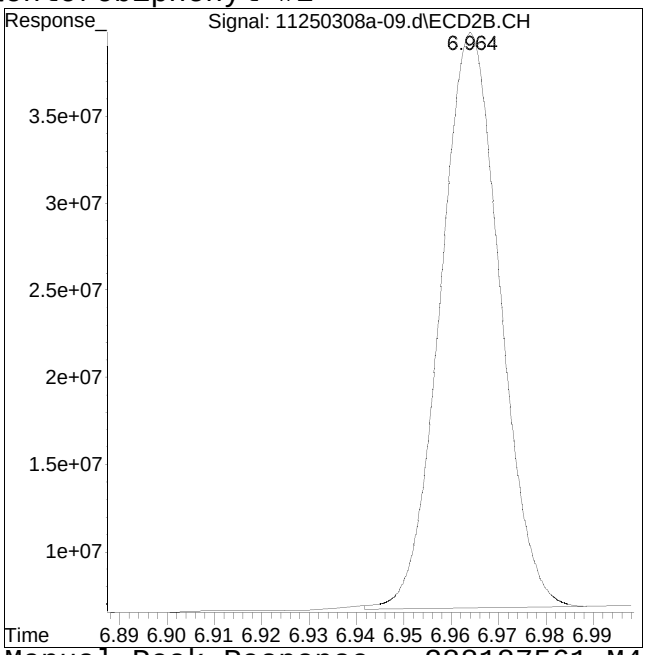
Original Peak Response = 483450574 Manual Peak Response = 457417596 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-09.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 7:48 Instrument : Pest 11
Sample : WG2037965-3,42,, rvt Quant Date : 3/8/2025 12:15 pm

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 319553928 Manual Peak Response = 288187561 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250309a\
Data File : 20250308a-11.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Mar 2025 13:27
Operator : pest20:akm
Sample : WG2038216-3,42,,
Misc : WG2038287,WG2038216,ical21840
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 10 10:39:22 2025
Quant Method : I:\PEST\Pest20\2025\250309a\pest20_2025_01_03_ugL_ICAL21840.m
Quant Title : pest
QLast Update : Sun Mar 09 12:40:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest20\2025\250309a\20250308a-03.D
Sub List : LCS_MS - spk only

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.899	1.946	94723869	146.5E6	25.000M3	25.000M3
	Standard Area 1 : #1 = 101648590				Recovery =	93.19%	
	Standard Area 1 : #2 = 148895152				Recovery =	98.37%	
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	2.371	2.546	194.4E6	275.9E6	43.736M3	42.266M3
	Spiked Amount 50.000	Range 30 - 150			Recovery =	87.47%	84.53%
27) s	Decachlorobi	7.264	7.814	145.5E6	204.9E6	38.927M4	37.729M4
	Spiked Amount 50.000	Range 30 - 150			Recovery =	77.85%	75.46%
Target Compounds							
4)	alpha-BHC	2.761	3.030	225.5E6	327.6E6	40.873M4	39.635M4
5)	gamma-BHC (l	3.004	3.349	208.9E6	316.1E6	39.396M4	40.183M4
6)	beta-BHC	3.073	3.426	99060418	140.4E6	38.867M3	37.608M4
7)	delta-BHC	3.222	3.717	163.0E6	206.5E6	31.458M4	26.972M3
8)	Heptachlor	3.409	3.781	191.5E6	260.7E6	37.144M4	34.732M4
9)	Aldrin	3.685	4.124	167.2E6	249.9E6	34.220M4	35.640M4
12)	Heptachlor E	4.295	4.779	175.6E6	237.5E6	37.109M4	34.828M3
13)	gamma-Chlord	4.431	5.003	194.9E6	251.5E6	45.098M3	40.487M4
14)	alpha-Chlord	4.579	5.163	162.4E6	247.1E6	32.954M4	35.406M4
15)	4,4'-DDE	4.685	5.353	172.8E6	244.9E6	36.307M4	37.764M4
16)	Endosulfan I	4.727	5.222	152.7E6	239.2E6	33.527M4	36.569M4
17)	Dieldrin	4.999	5.503	185.7E6	265.9E6	39.570M4	39.767M4
18)	Endrin	5.242	5.794	181.2E6	252.8E6	37.640M4	35.793M4
19)	4,4'-DDD	5.340	5.911	148.2E6	213.6E6	38.721M4	41.549M4
20)	Endosulfan I	5.467	5.990	156.1E6	221.7E6	37.053M4	36.619M4
21)	4,4'-DDT	5.617	6.184	144.6E6	222.7E6	34.875M4	36.840M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2025\250309a\
Data File : 20250308a-11.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Mar 2025 13:27
Operator : pest20:akm
Sample : WG2038216-3,42,,
Misc : WG2038287,WG2038216,ical21840
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 10 10:39:22 2025
Quant Method : I:\PEST\Pest20\2025\250309a\pest20_2025_01_03_ugL_ICAL21840.m
Quant Title : pest
QLast Update : Sun Mar 09 12:40:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest20\2025\250309a\20250308a-03.D
Sub List : LCS_MS - spk only

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
22)	Endrin Aldeh	5.866	6.281	106.9E6	157.3E6	33.122M4	32.901M4
23)	Methoxychlor	6.081	6.742	78931075	114.6E6	32.953M4	35.249M4
25)	Endosulfan S	6.246	6.508	138.9E6	175.8E6	34.406M3	30.540M3
26)	Endrin Keton	6.471	6.922	169.3E6	275.1E6	36.734M3	41.721M4
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000

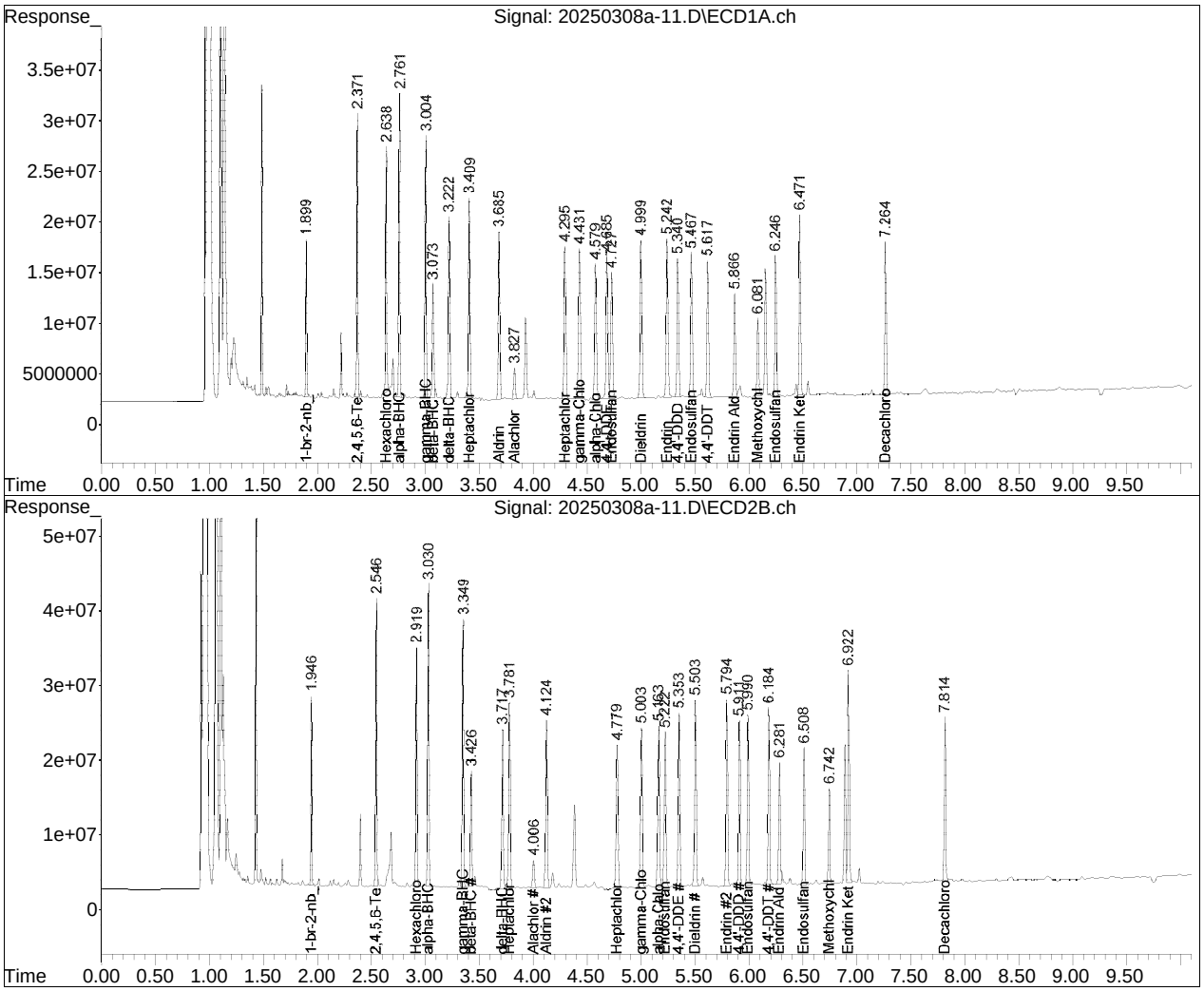
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : LCS_MS - spk only0\2025\250309a\20250308a-03.D•

Data Path : I:\PEST\Pest20\2025\250309a\
Data File : 20250308a-11.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Mar 2025 13:27
Operator : pest20:akm
Sample : WG2038216-3,42,,
Misc : WG2038287,WG2038216,ical21840
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Mar 10 10:39:22 2025
Quant Method : I:\PEST\Pest20\2025\250309a\pest20_2025_01_03_ugL_ICAL21840.m
Quant Title : pest
QLast Update : Sun Mar 09 12:40:15 2025
Response via : Initial Calibration
Integrator: ChemStation

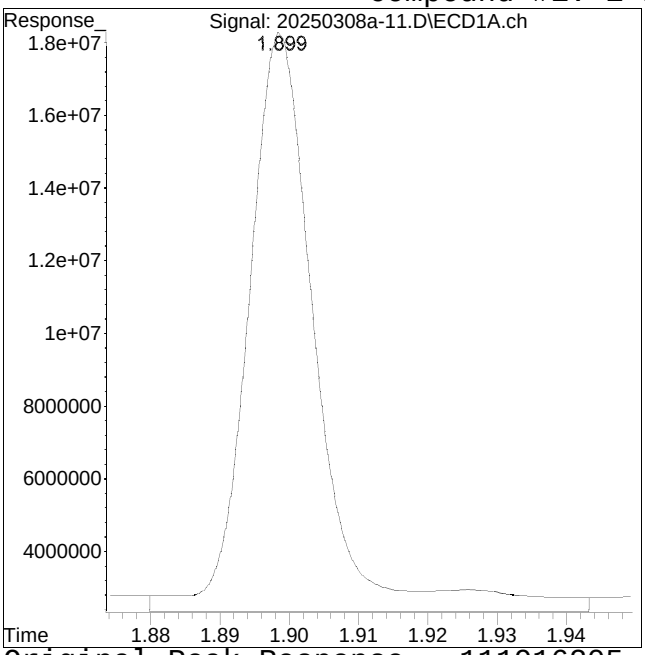
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

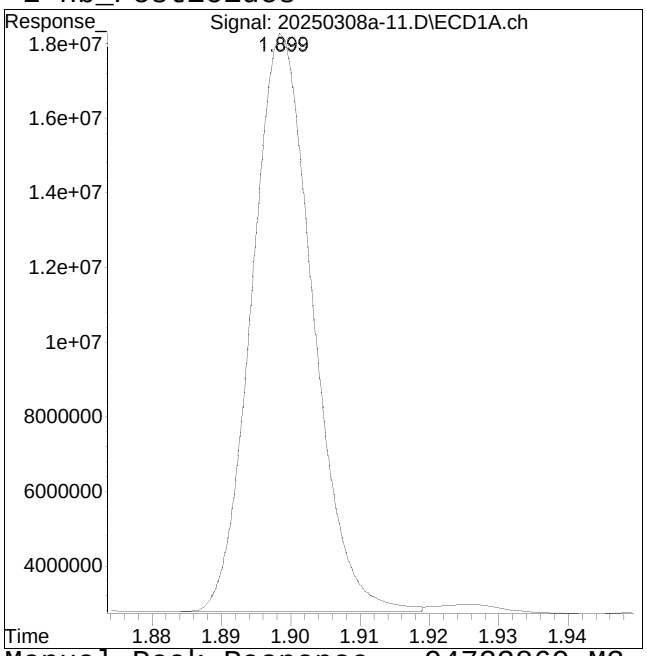


Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #1: 1-br-2-nb_Pesticides



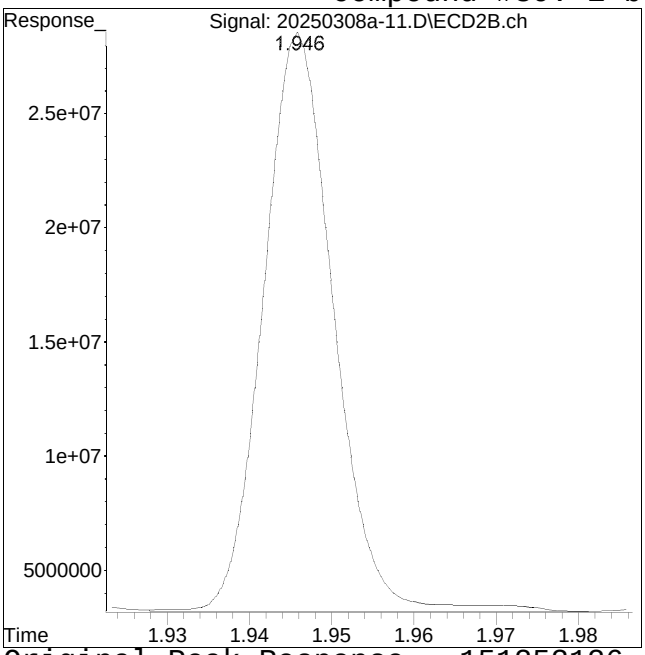


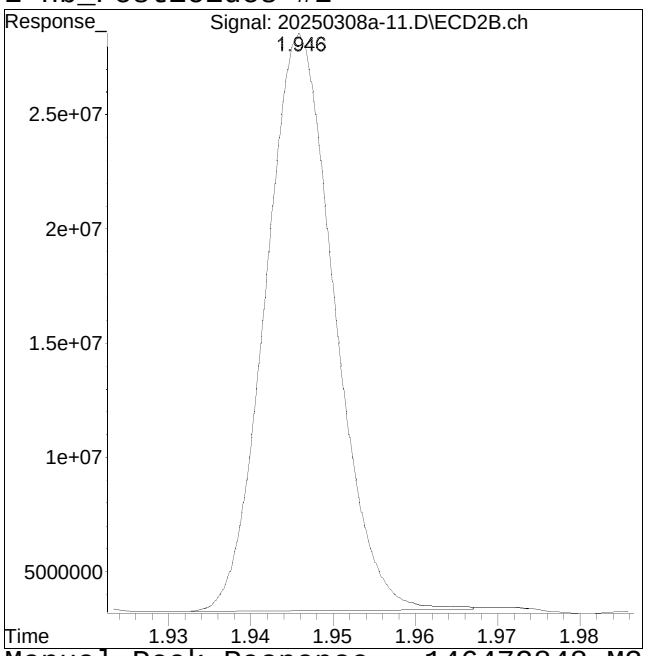
Original Peak Response = 111916205 Manual Peak Response = 94723869 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #39: 1-br-2-nb_Pesticides #2



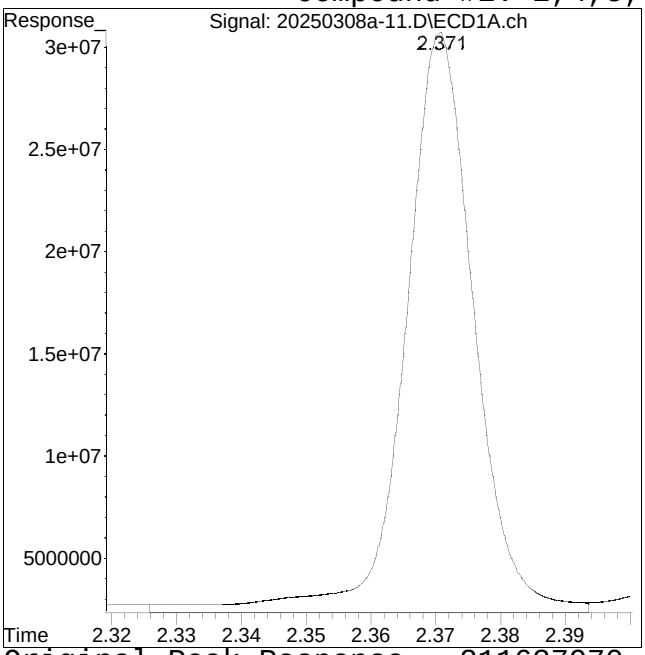


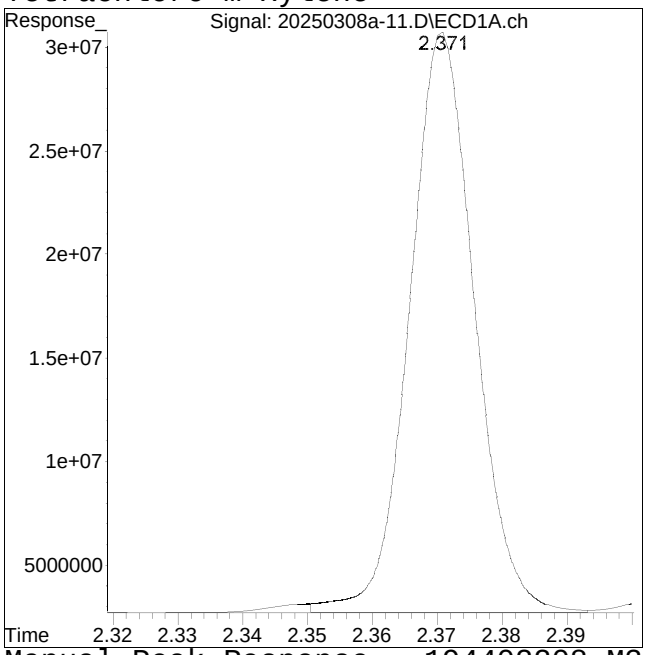
Original Peak Response = 151252126 Manual Peak Response = 146472848 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



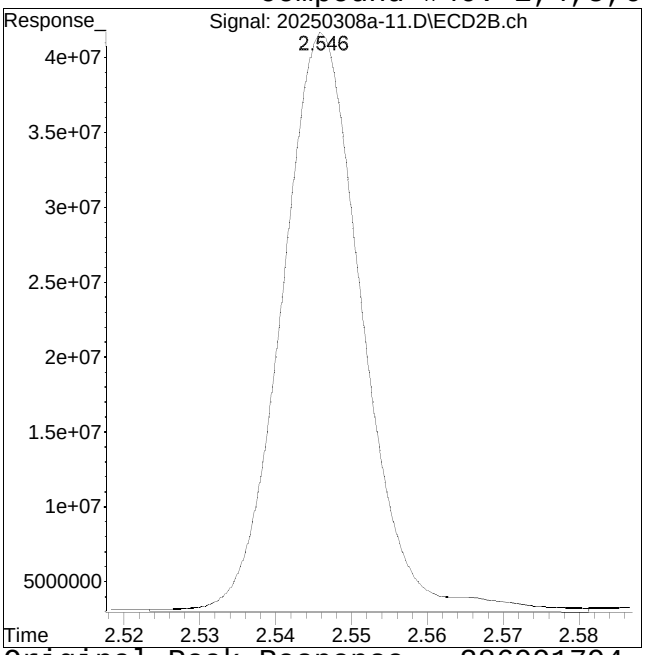


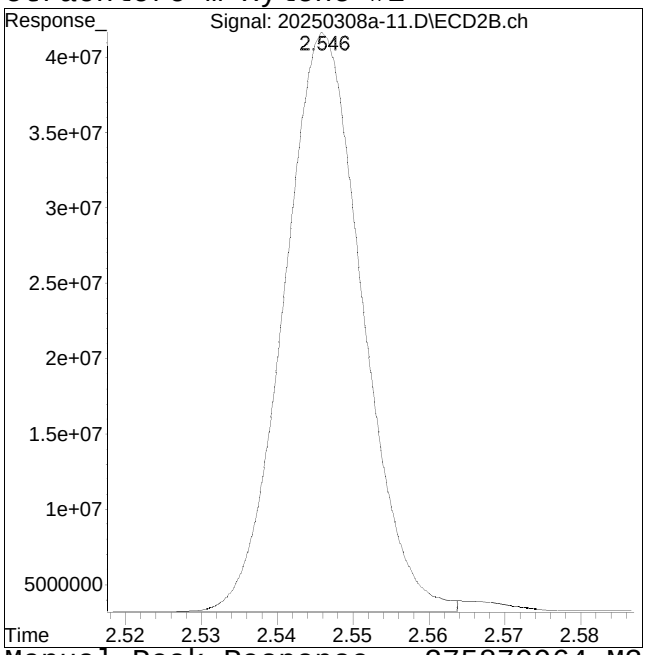
Original Peak Response = 211637970 Manual Peak Response = 194402208 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



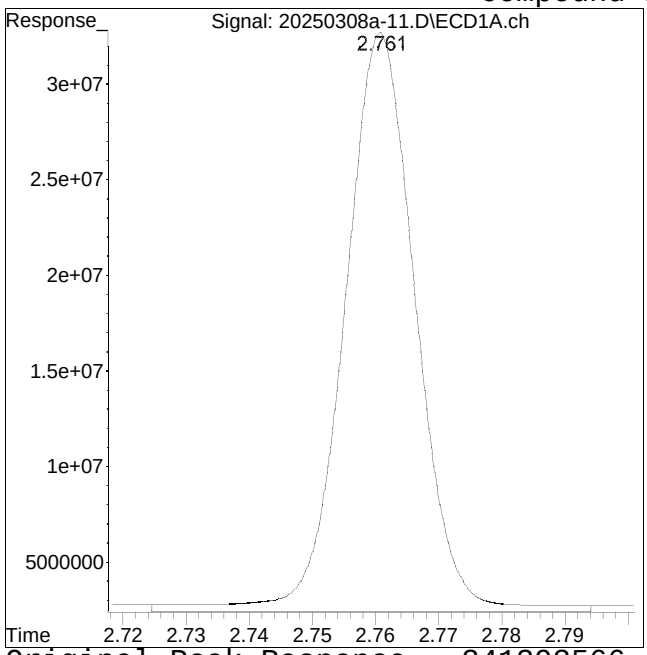


Original Peak Response = 286991794 Manual Peak Response = 275879964 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

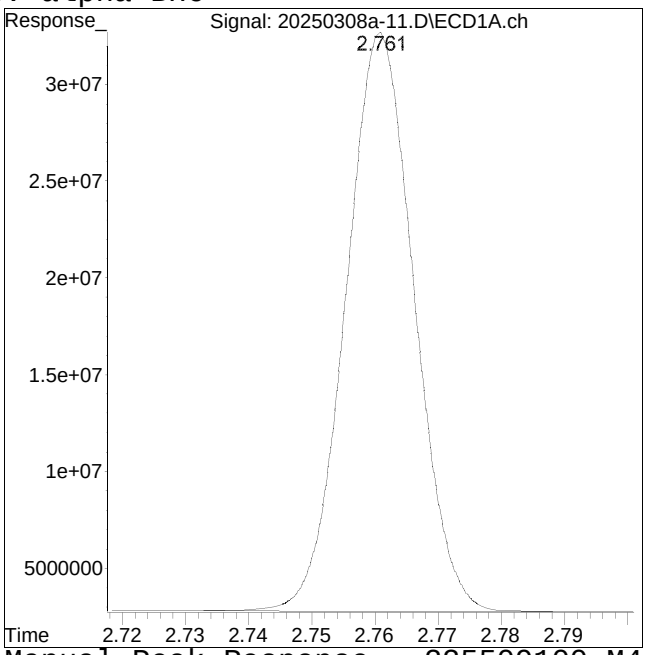
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #4: alpha-BHC



Original Peak Response = 241393566



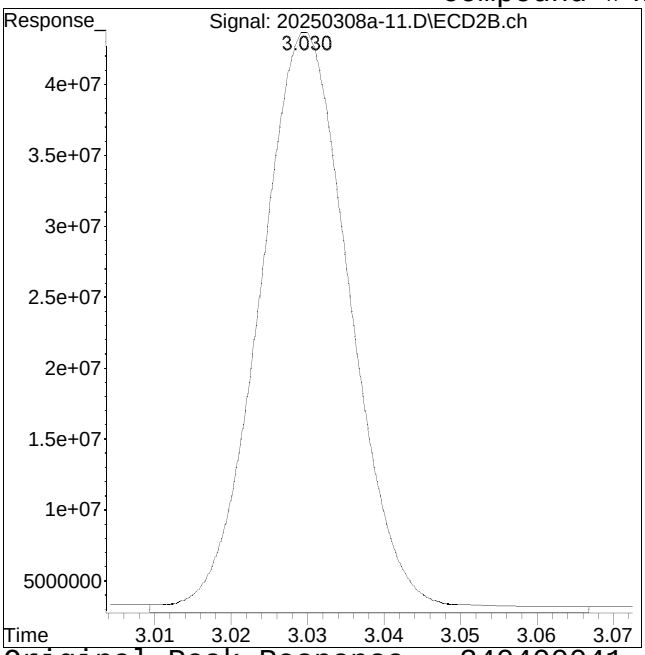
Manual Peak Response = 225509100 M4

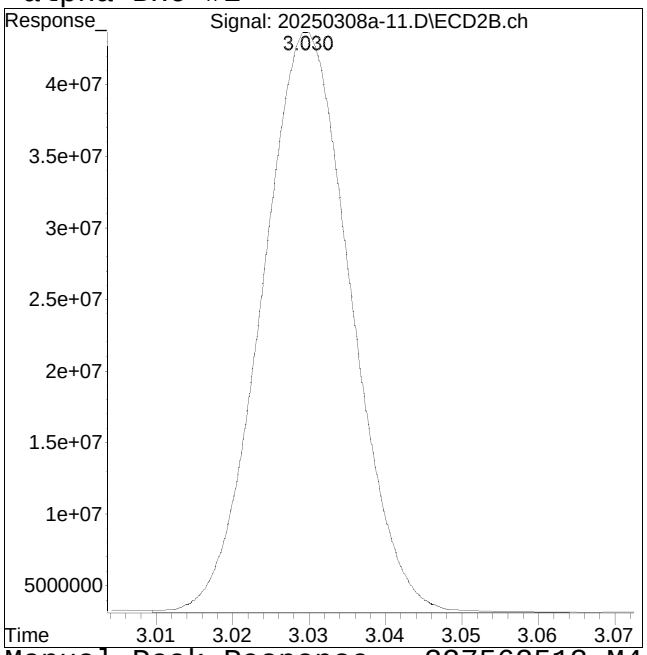
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #42: alpha-BHC #2



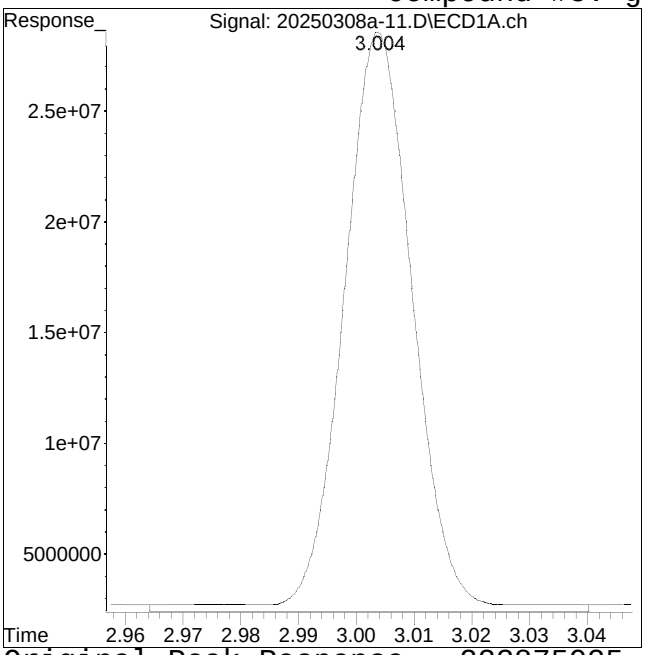


Original Peak Response = 340400041 Manual Peak Response = 327562513 M4
M4 = Poor automated baseline construction.

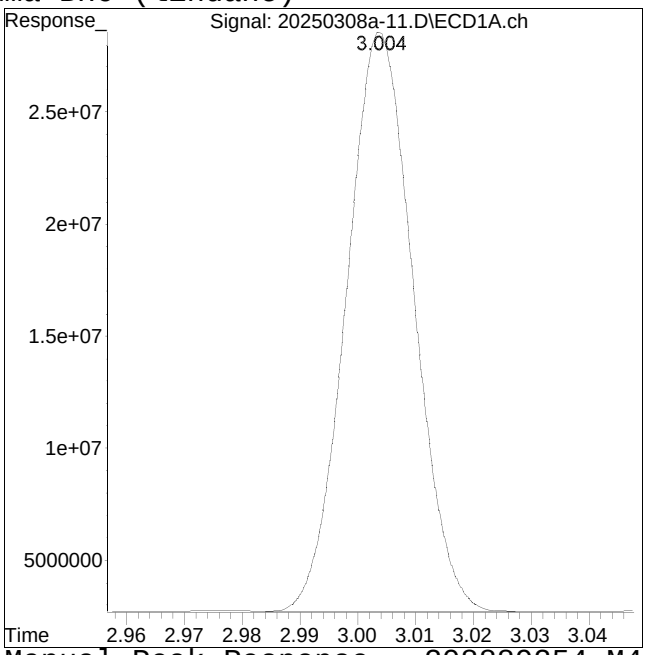
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #5: gamma-BHC (lindane)



Original Peak Response = 223875925



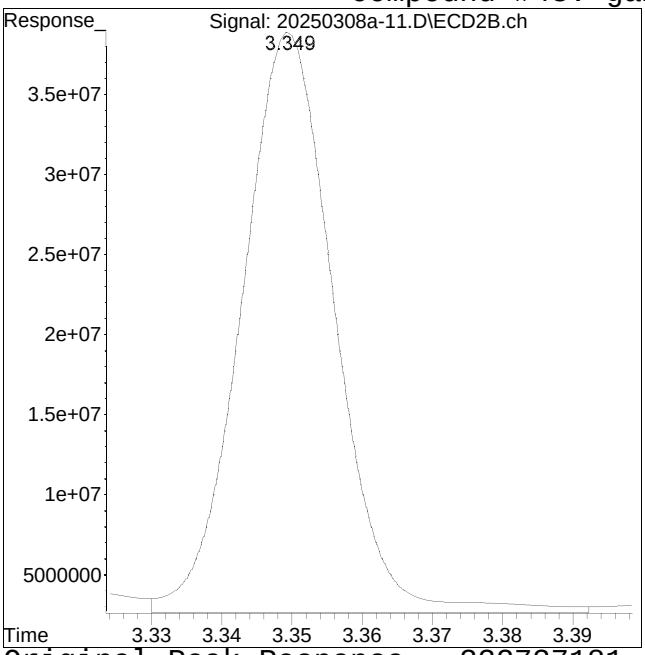
Manual Peak Response = 208889254 M4

M4 = Poor automated baseline construction.

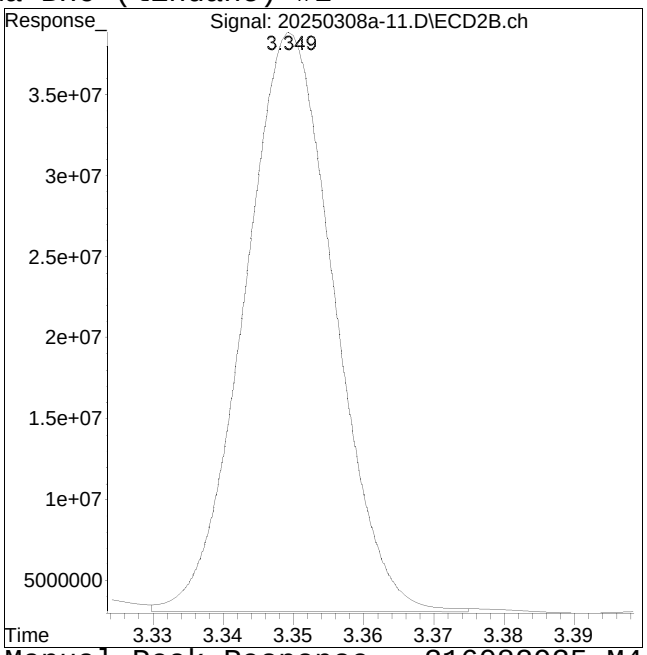
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #43: gamma-BHC (lindane) #2



Original Peak Response = 332737181



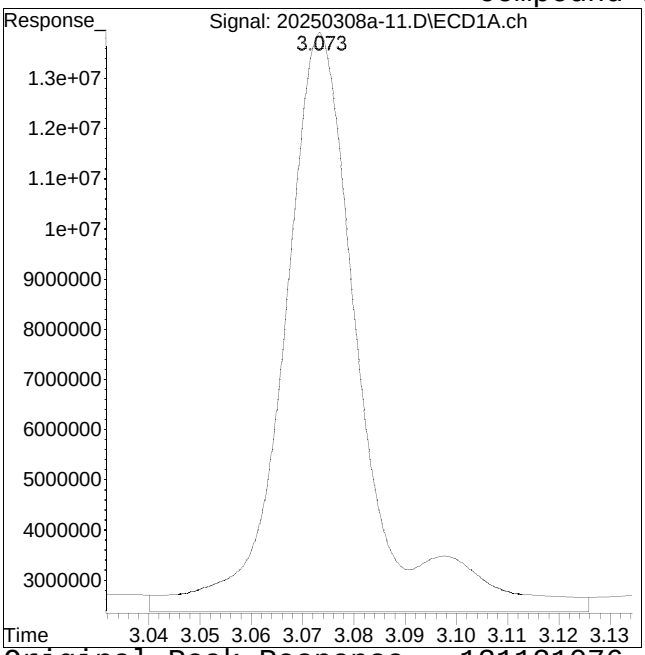
Manual Peak Response = 316082935 M4

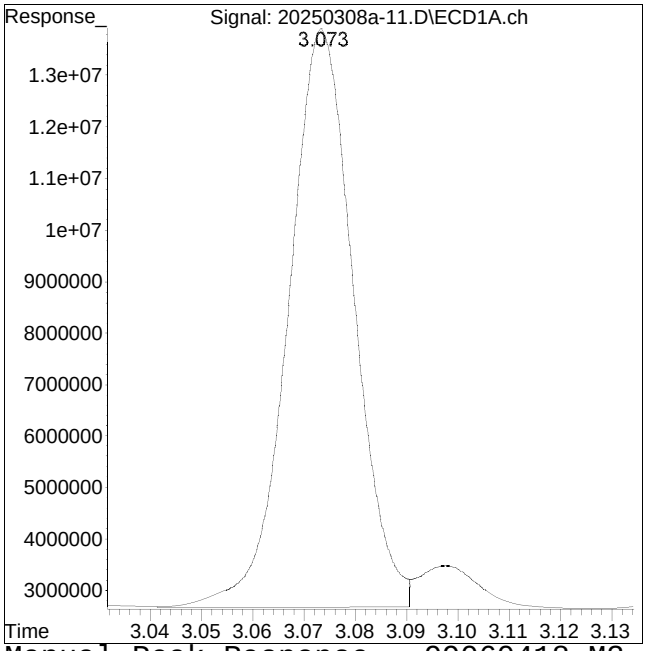
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #6: beta-BHC



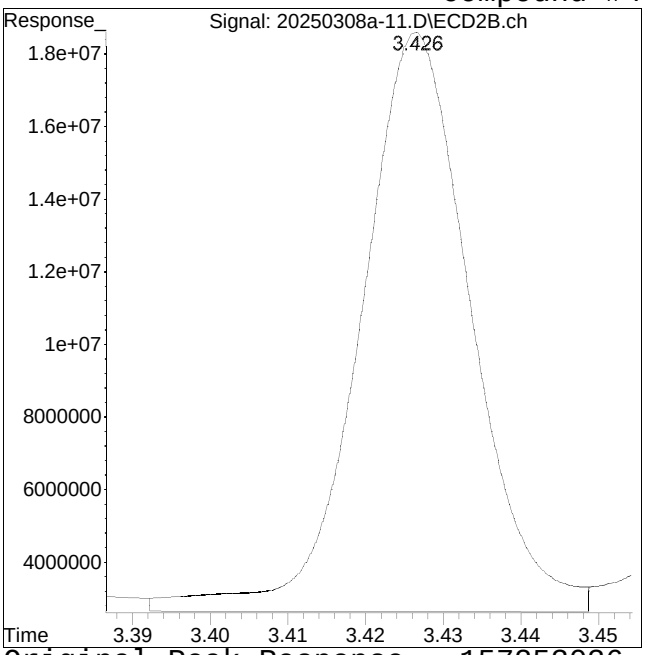


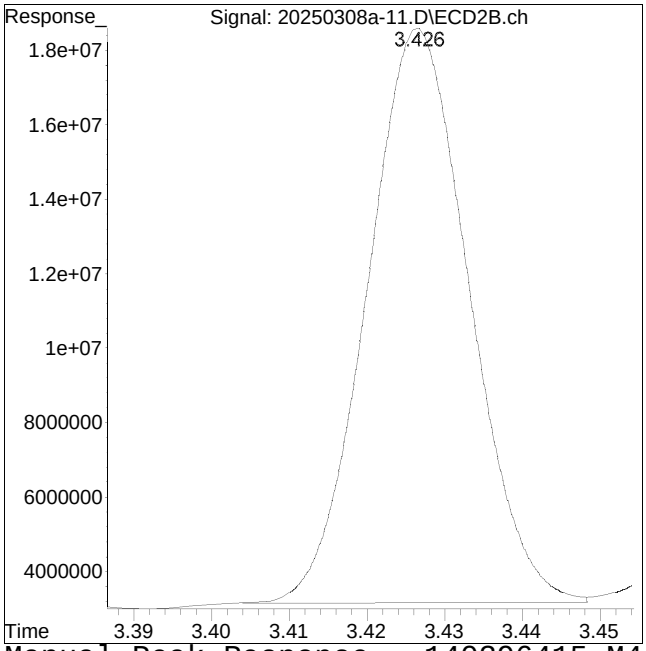
Original Peak Response = 121121076 Manual Peak Response = 99060418 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #44: beta-BHC #2



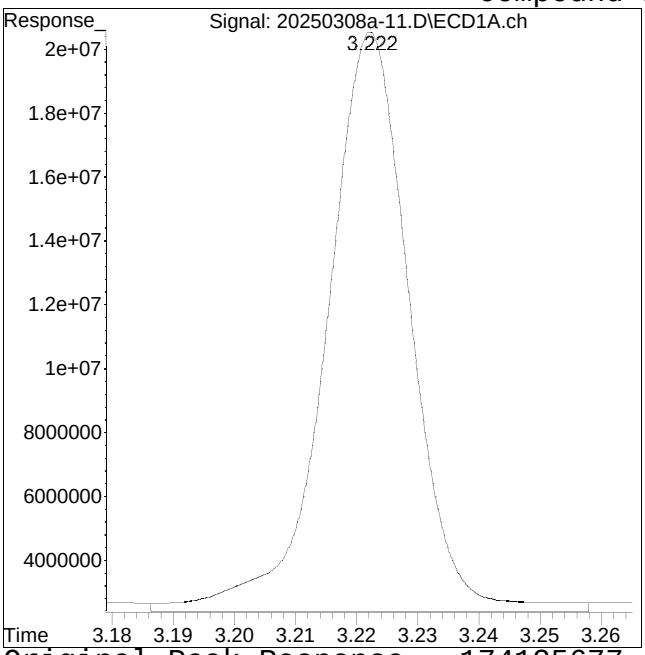


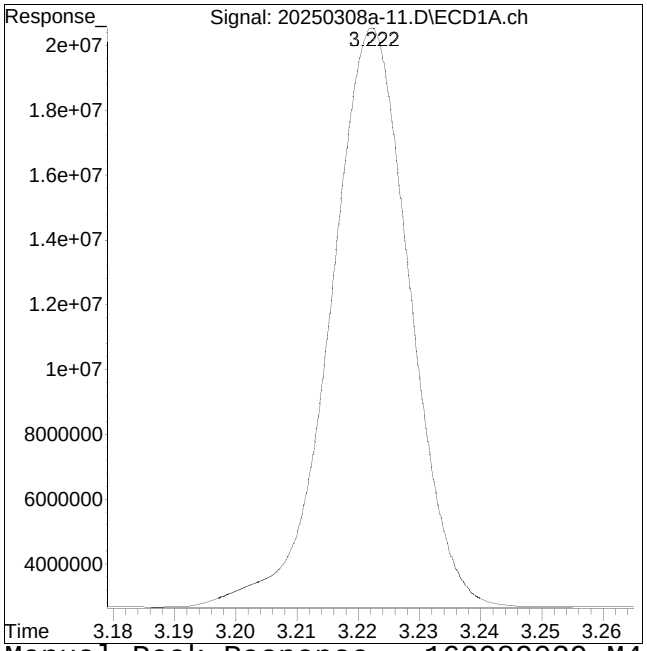
Original Peak Response = 157253036 Manual Peak Response = 140396415 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #7: delta-BHC



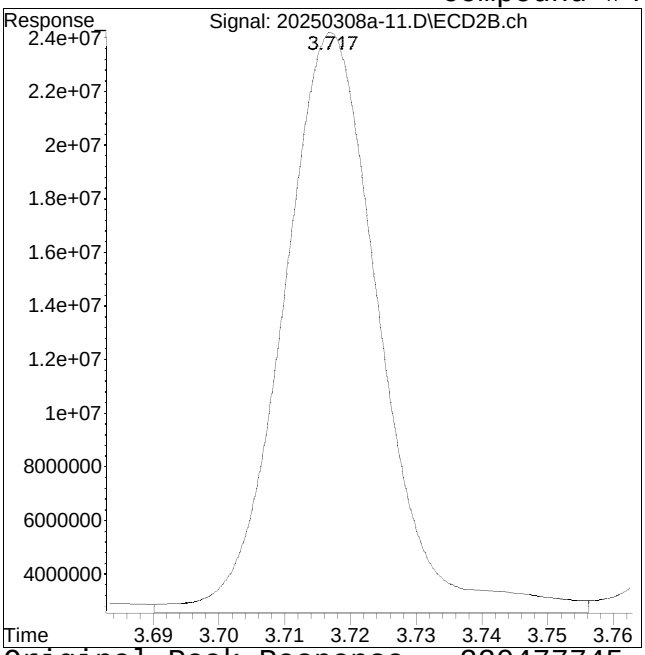


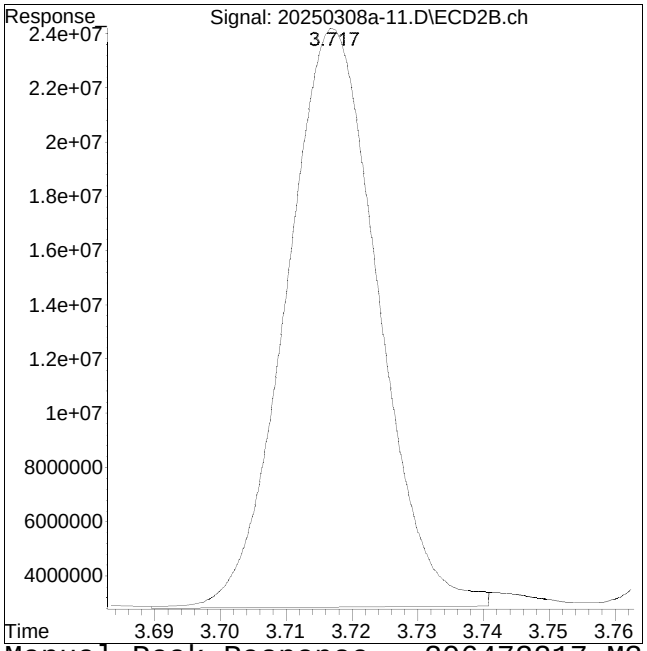
Original Peak Response = 174125677 Manual Peak Response = 162989029 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #45: delta-BHC #2



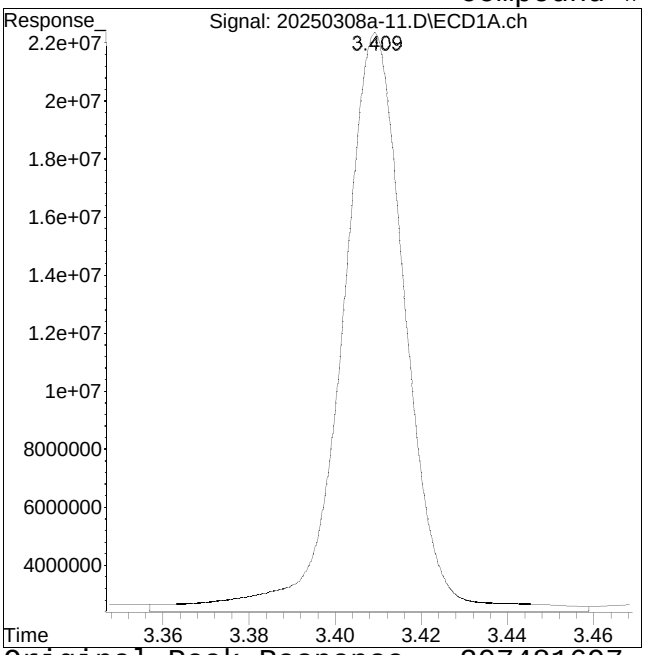


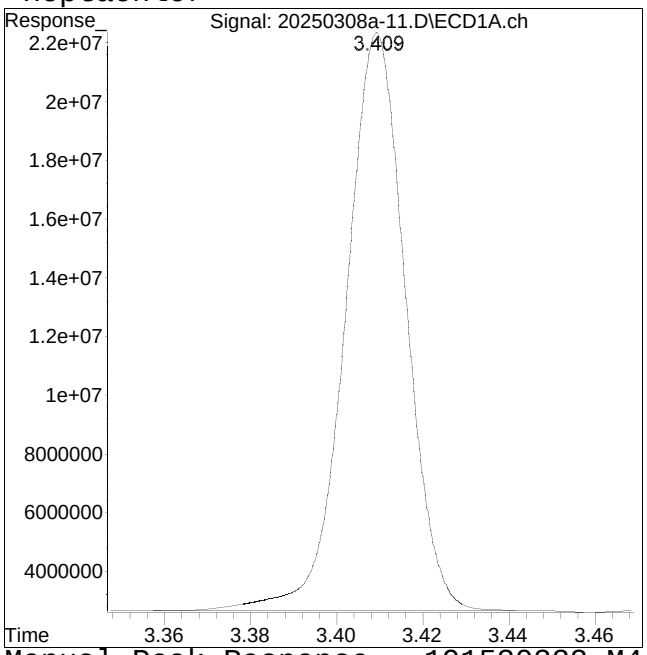
Original Peak Response = 220477745 Manual Peak Response = 206473217 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #8: Heptachlor



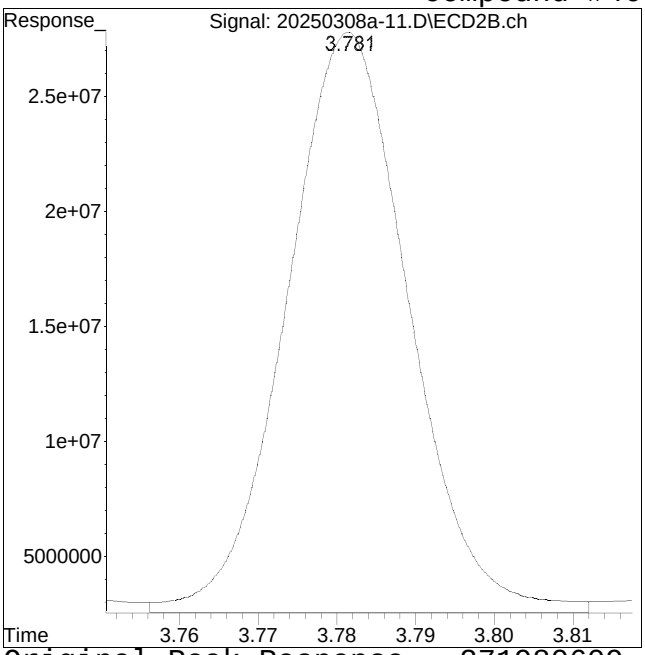


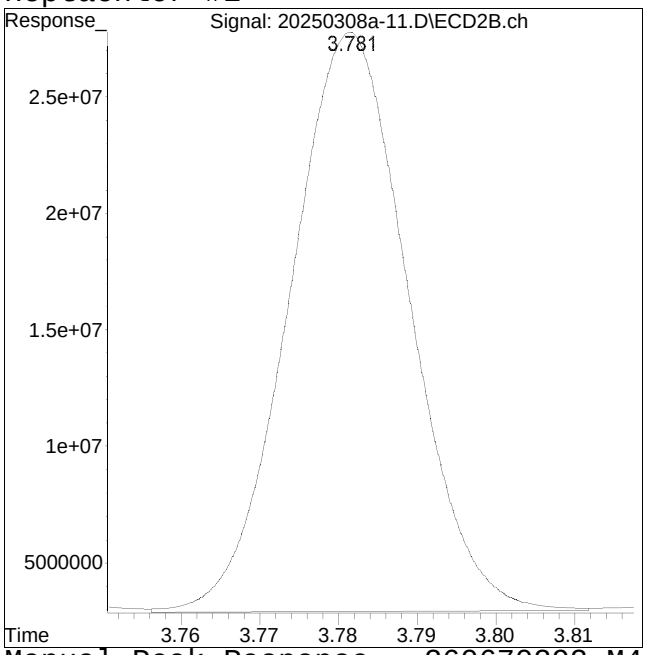
Original Peak Response = 207481697 Manual Peak Response = 191530322 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #46: Heptachlor #2



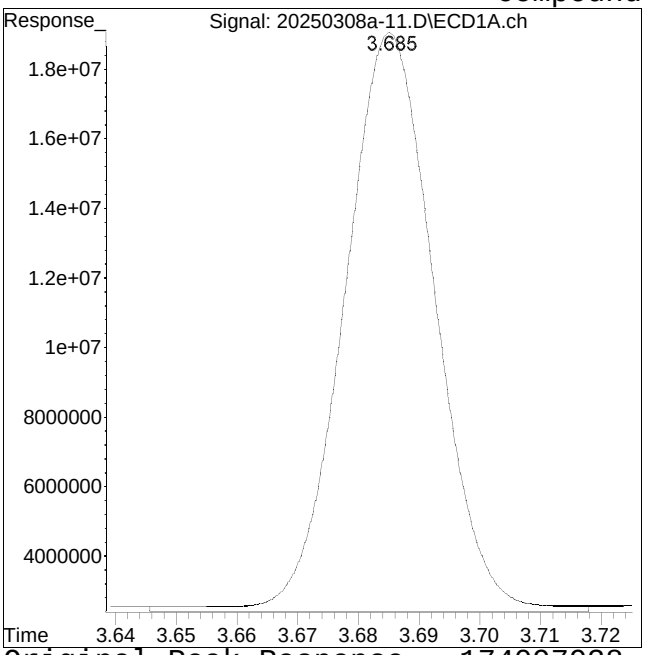


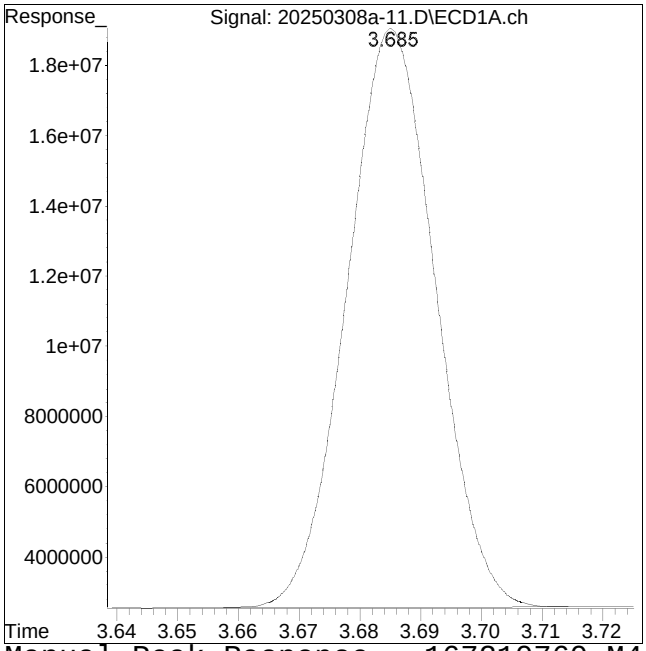
Original Peak Response = 271980609 Manual Peak Response = 260670292 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #9: Aldrin



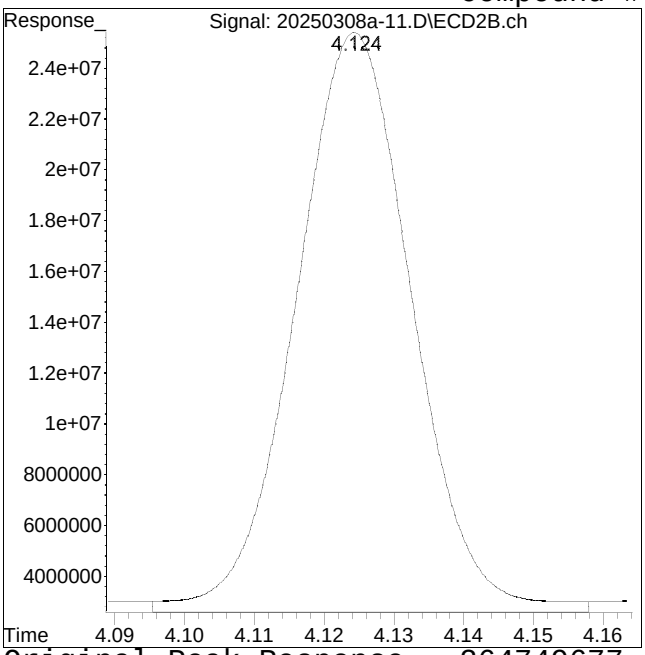


Original Peak Response = 174097938 Manual Peak Response = 167210760 M4
M4 = Poor automated baseline construction.

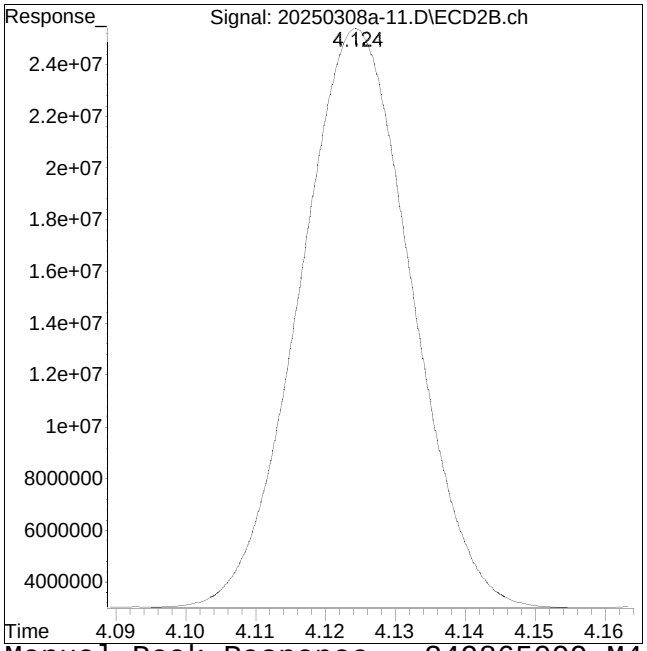
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #47: Aldrin #2



Original Peak Response = 264749677



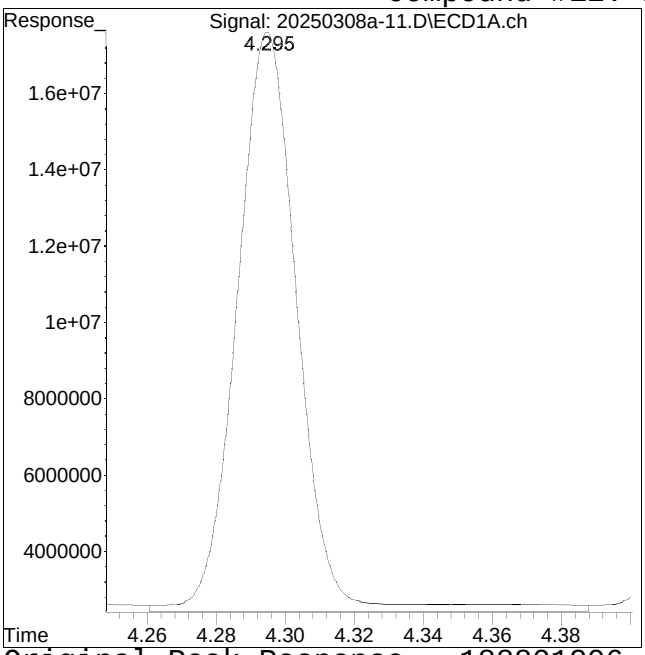
Manual Peak Response = 249865099 M4

M4 = Poor automated baseline construction.

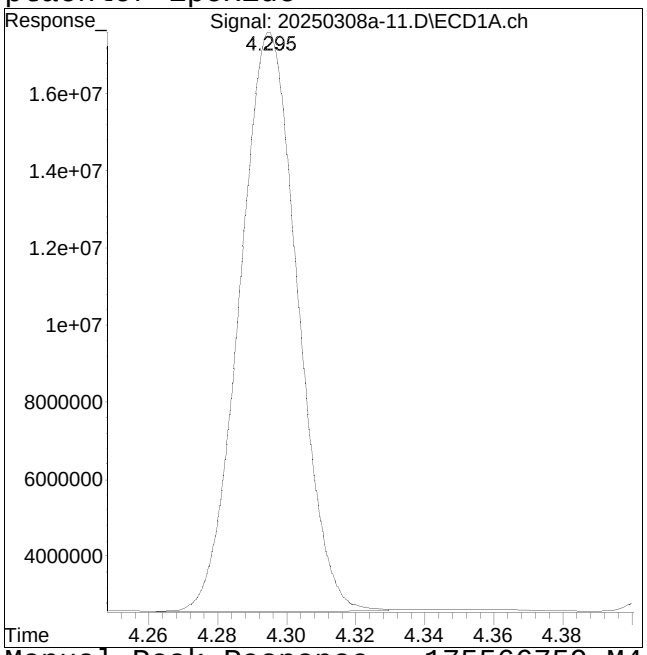
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #12: Heptachlor Epoxide



Original Peak Response = 188801206



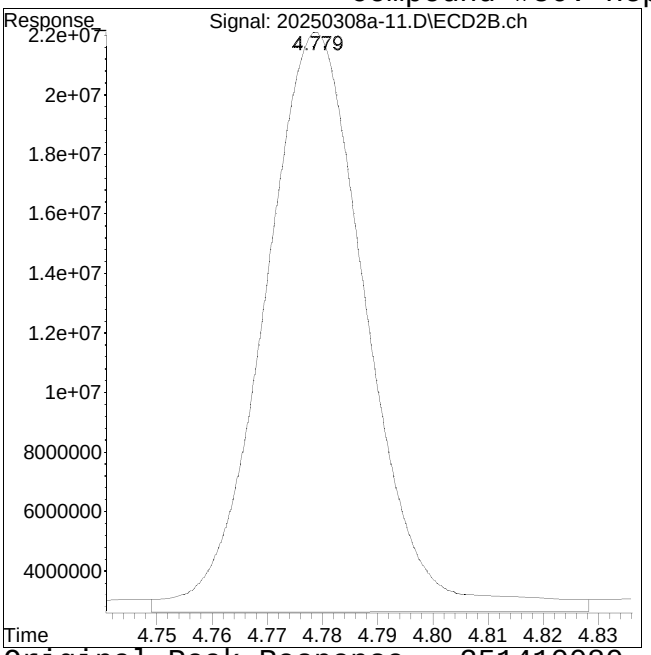
Manual Peak Response = 175566759 M4

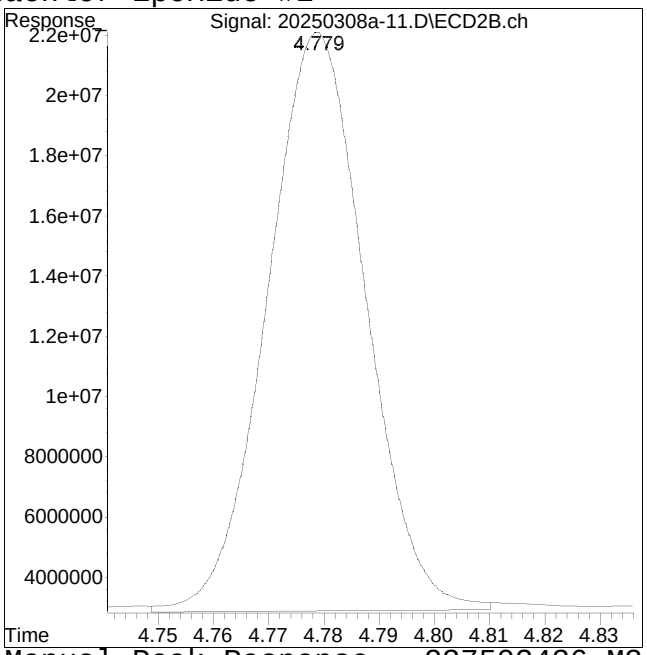
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #50: Heptachlor Epoxide #2



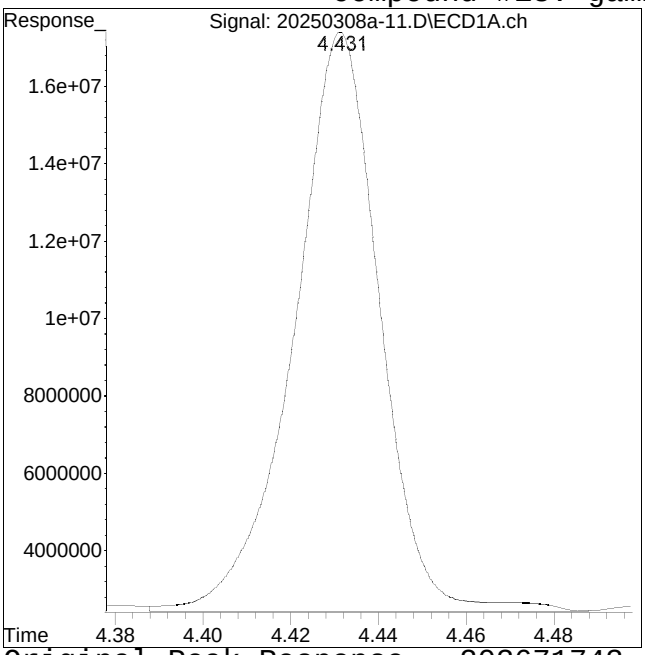


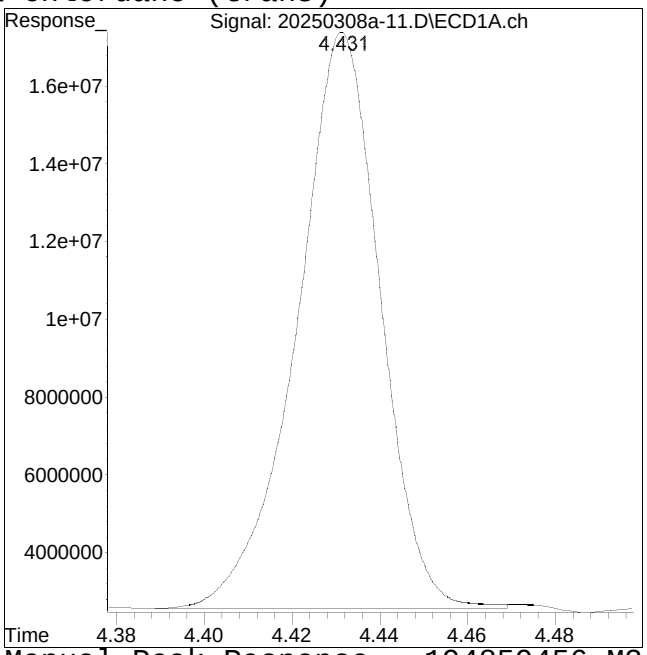
Original Peak Response = 251410080 Manual Peak Response = 237503436 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #13: gamma-Chlordane (trans)



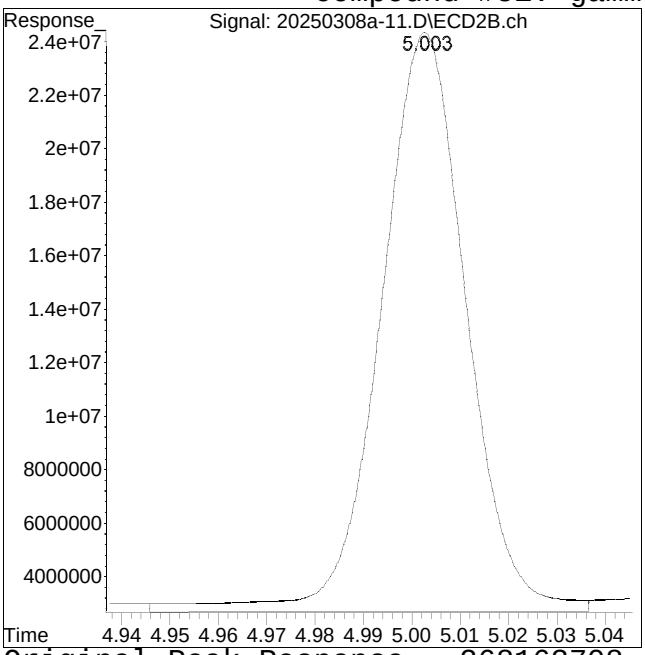


Original Peak Response = 203671743 Manual Peak Response = 194859456 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

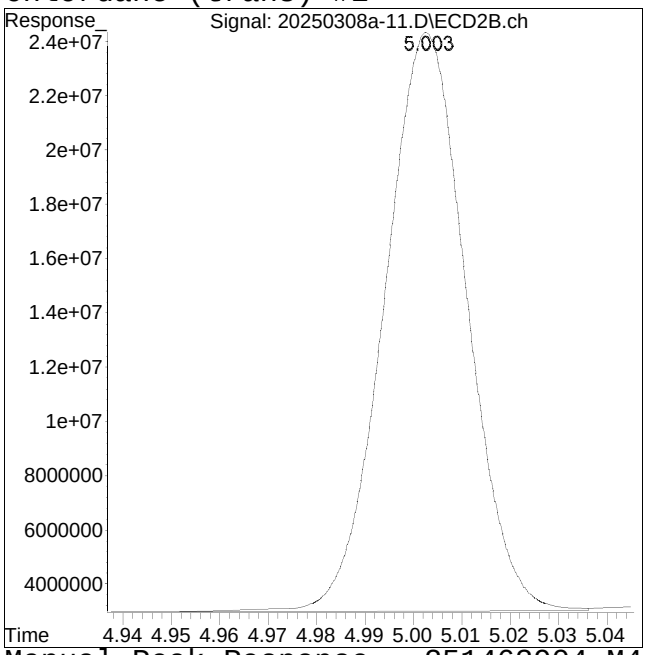
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 268163708



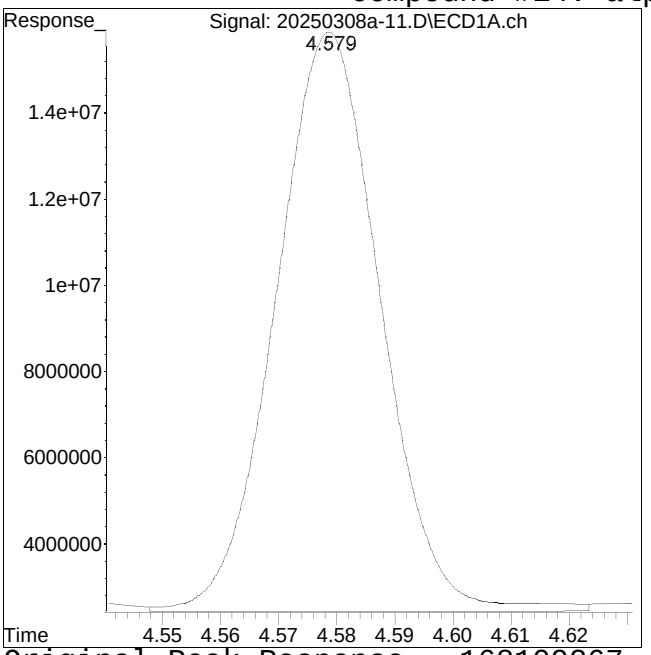
Manual Peak Response = 251463904 M4

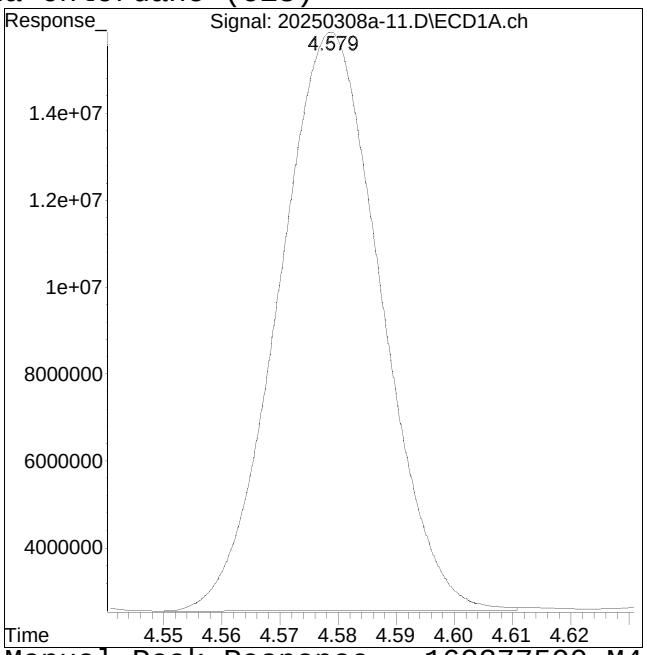
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #14: alpha-Chlordane (cis)



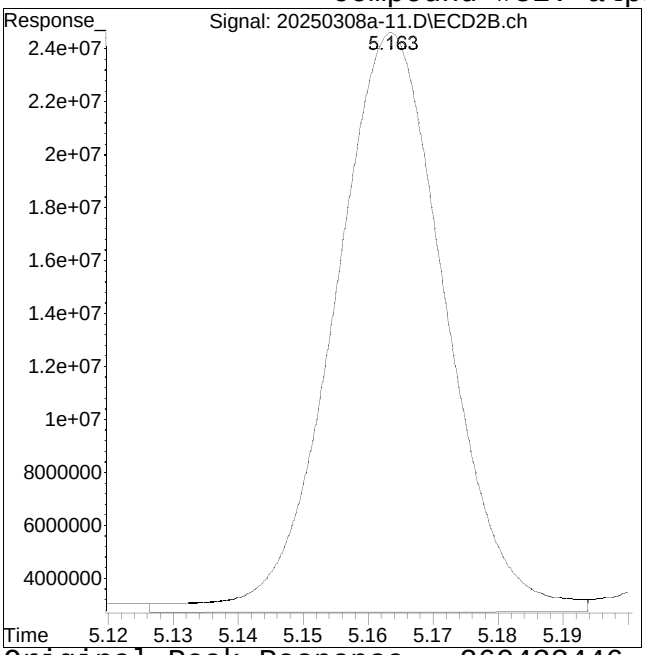


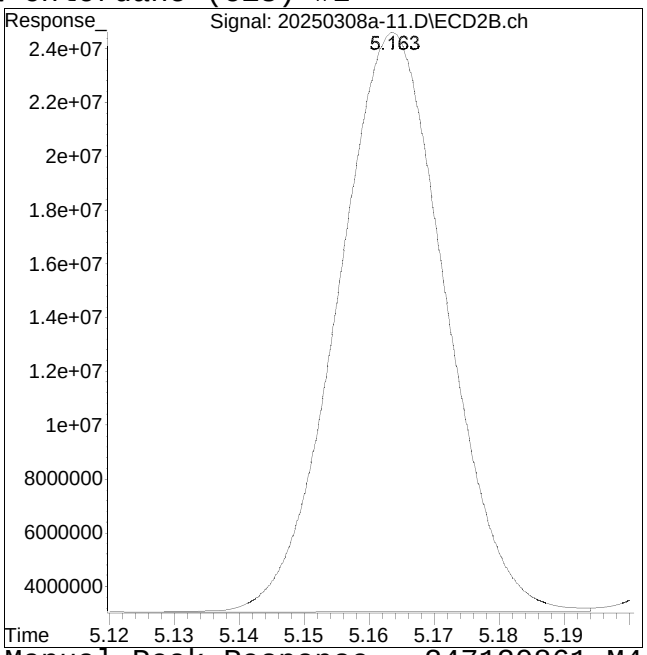
Original Peak Response = 168109267 Manual Peak Response = 162377590 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #52: alpha-Chlordane (cis) #2



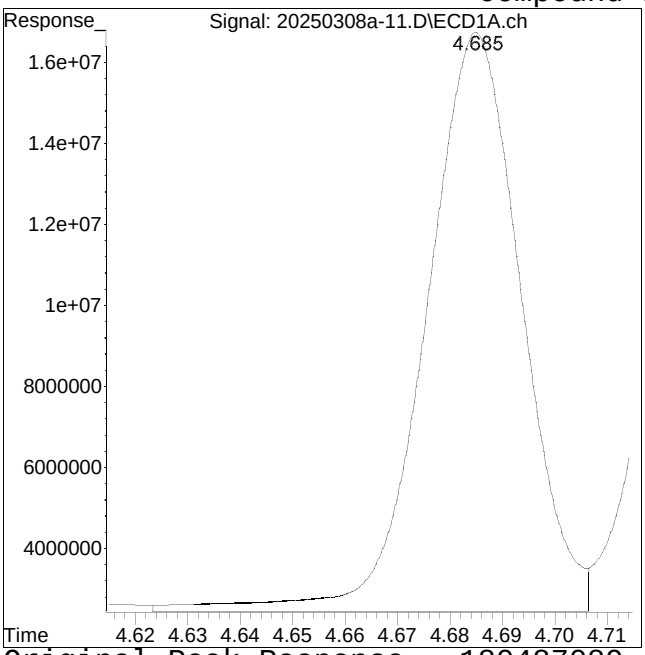


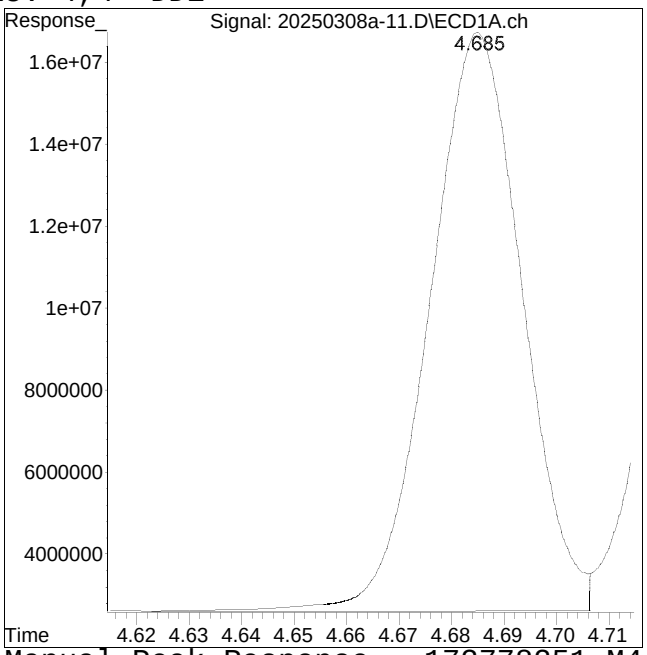
Original Peak Response = 260423446 Manual Peak Response = 247120861 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #15: 4,4'-DDE



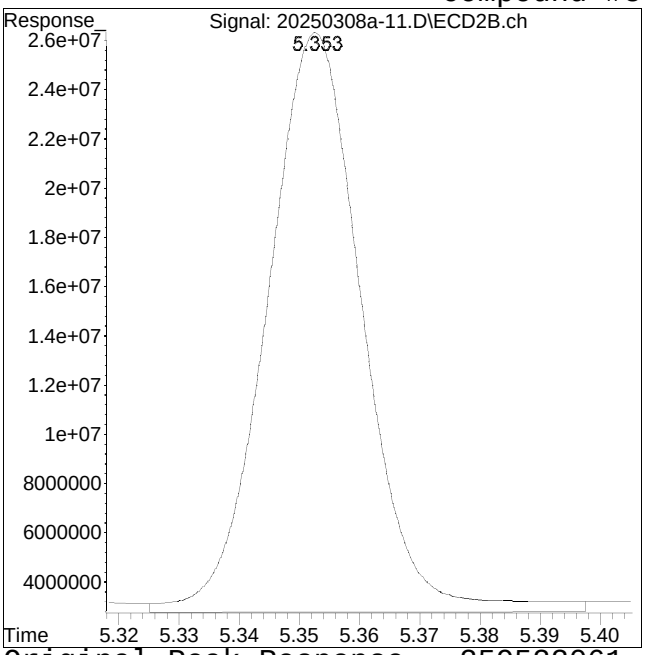


Original Peak Response = 180487089 Manual Peak Response = 172778251 M4
M4 = Poor automated baseline construction.

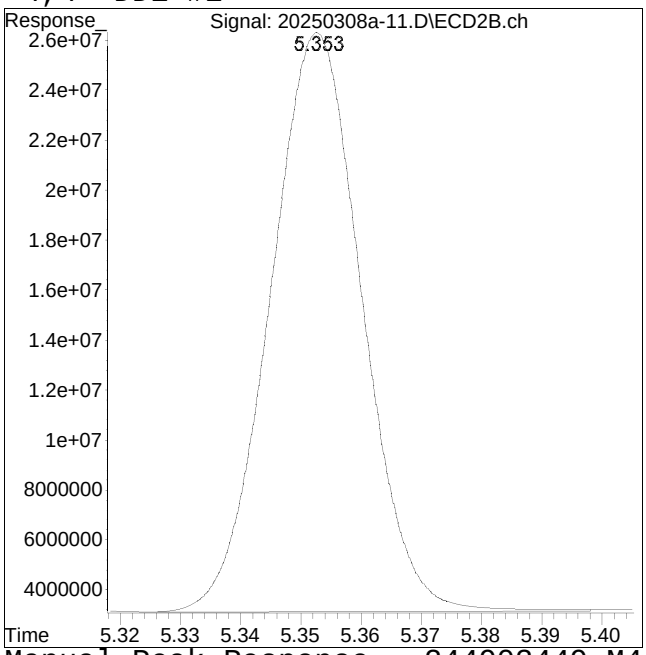
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #53: 4,4'-DDE #2



Original Peak Response = 259522061



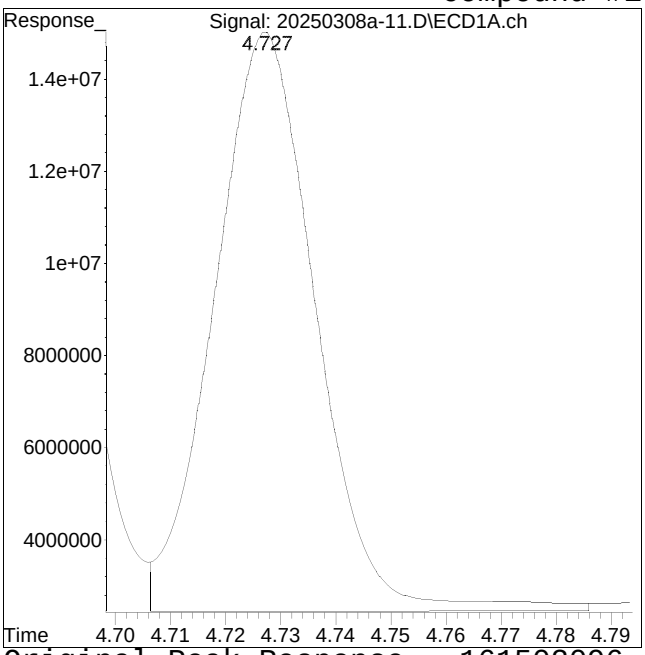
Manual Peak Response = 244903449 M4

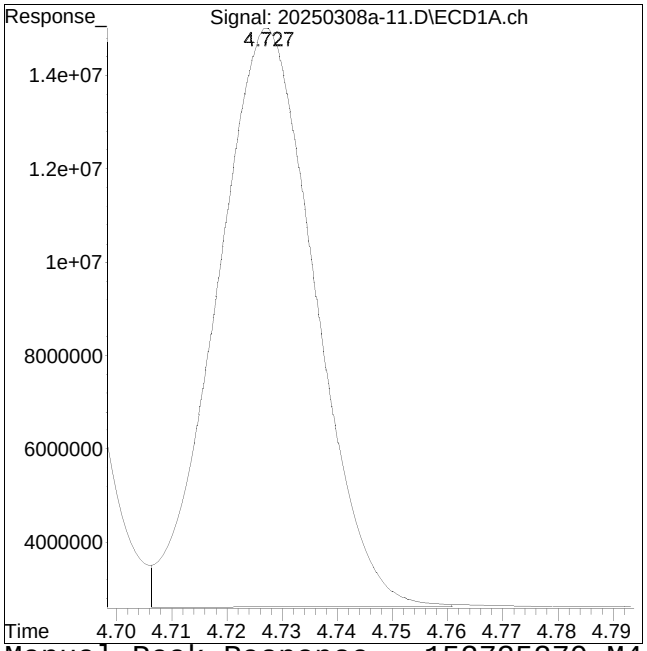
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #16: Endosulfan I



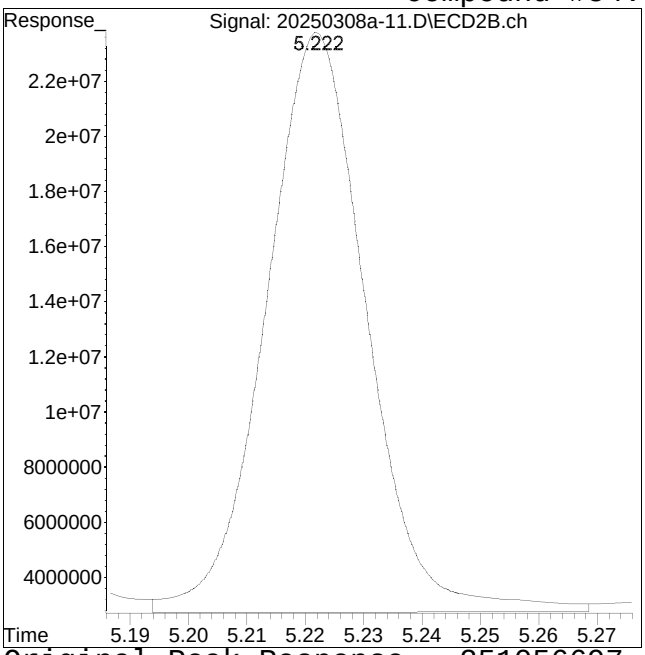


Original Peak Response = 161502096 Manual Peak Response = 152735270 M4
M4 = Poor automated baseline construction.

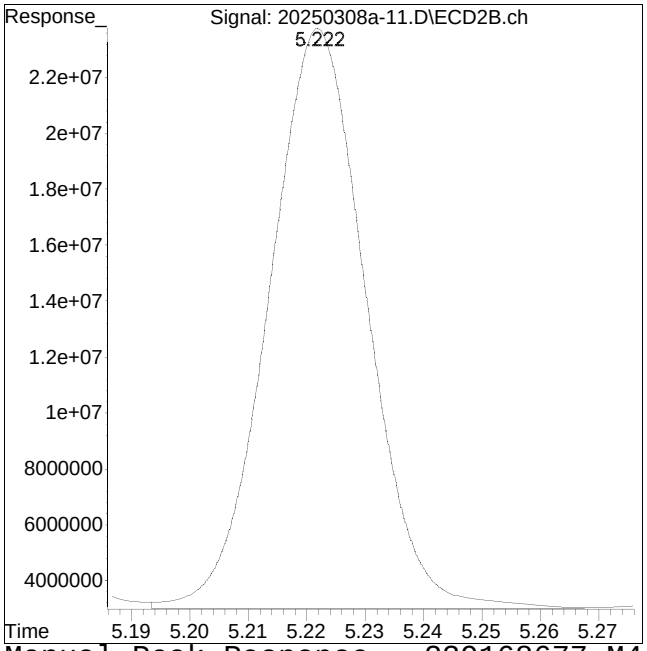
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #54: Endosulfan I #2



Original Peak Response = 251056697



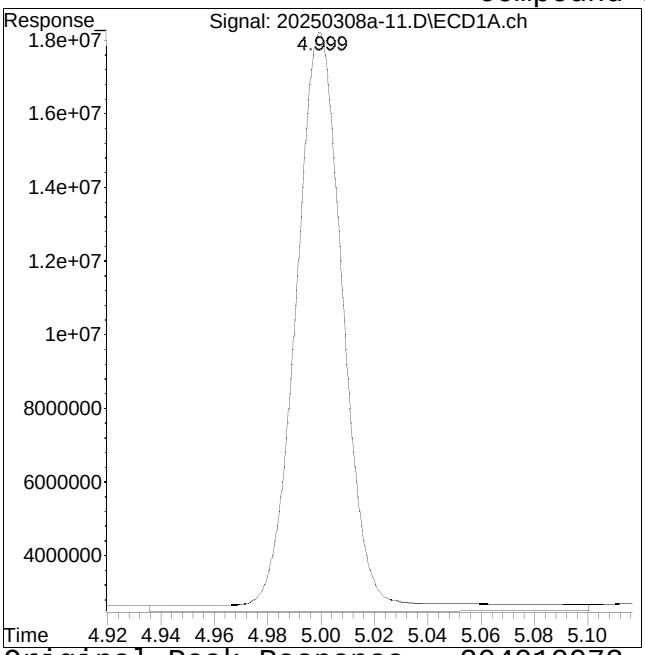
Manual Peak Response = 239168677 M4

M4 = Poor automated baseline construction.

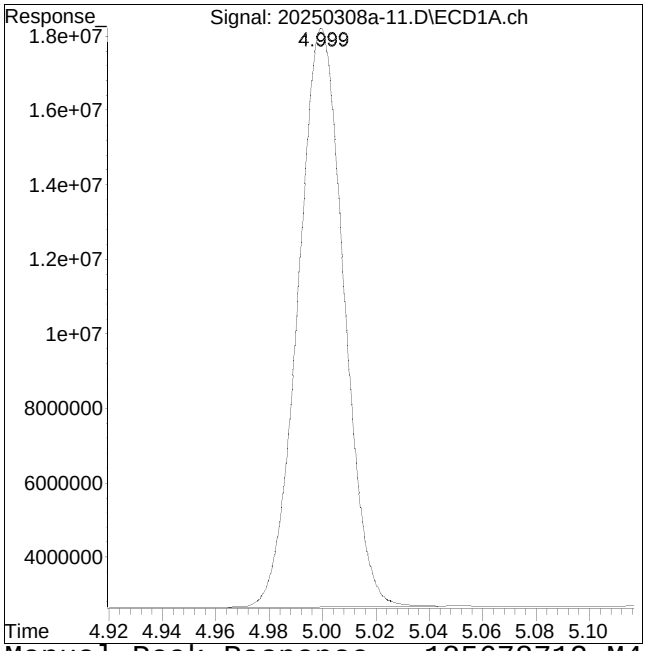
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #17: Dieldrin



Original Peak Response = 204010973



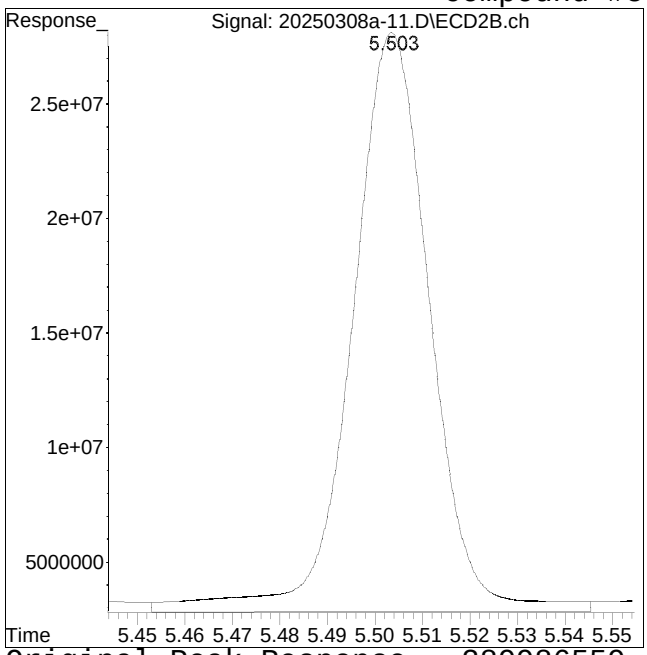
Manual Peak Response = 185678712 M4

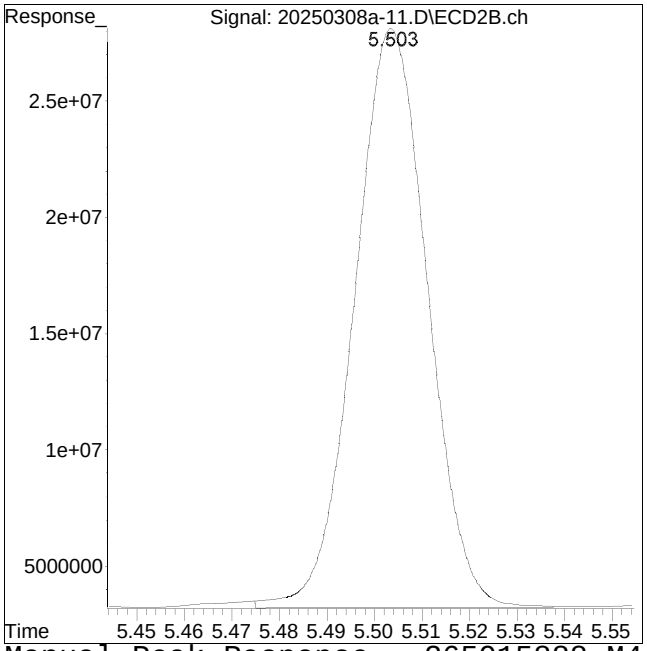
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #55: Dieldrin #2



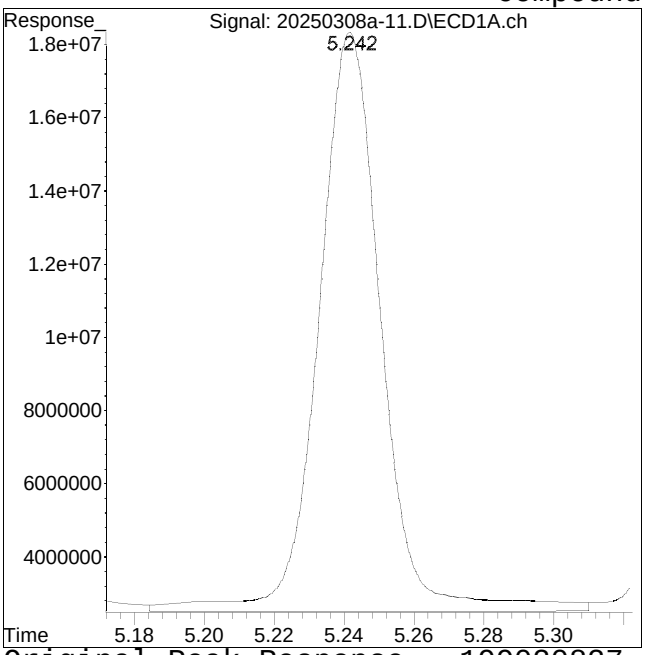


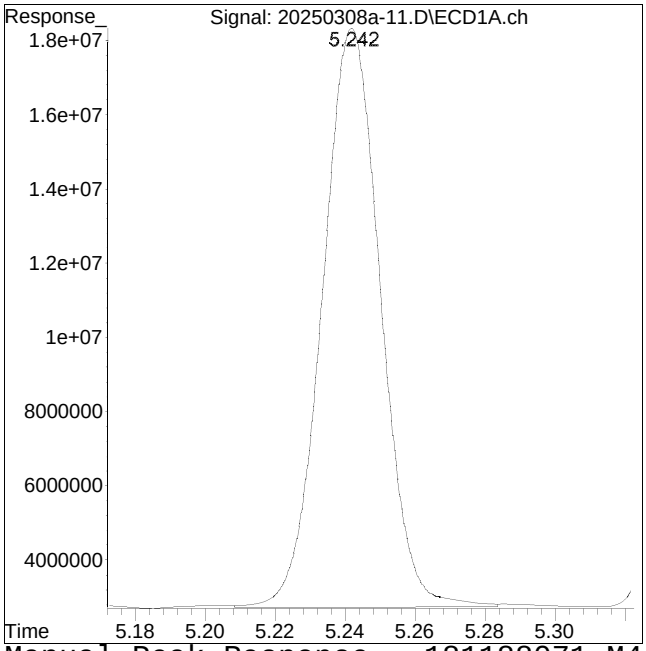
Original Peak Response = 289986559 Manual Peak Response = 265915888 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #18: Endrin



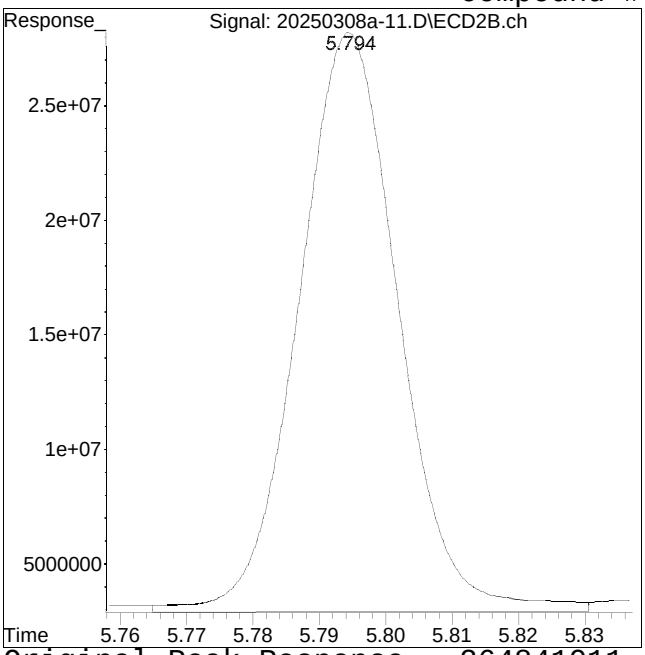


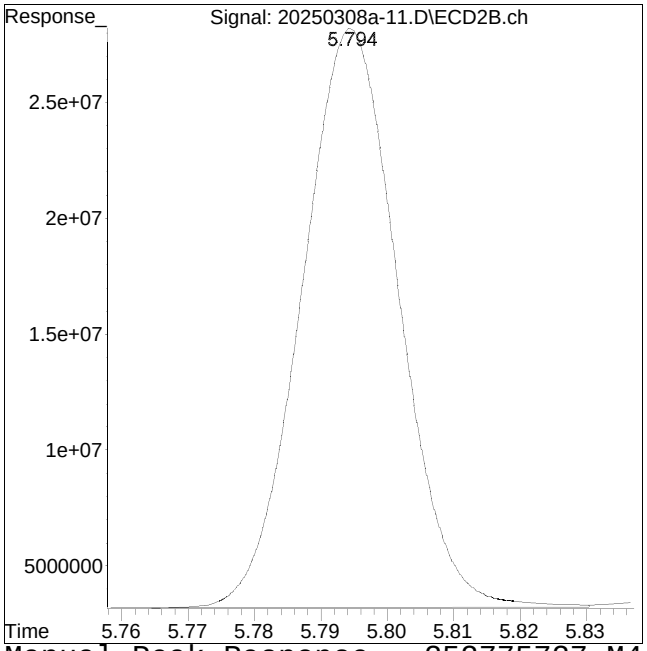
Original Peak Response = 199020827 Manual Peak Response = 181188071 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #56: Endrin #2



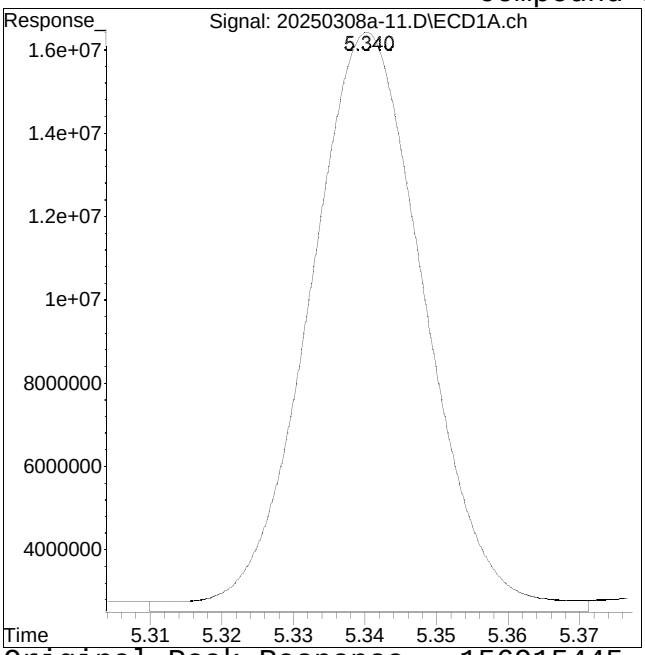


Original Peak Response = 264841911 Manual Peak Response = 252775727 M4
M4 = Poor automated baseline construction.

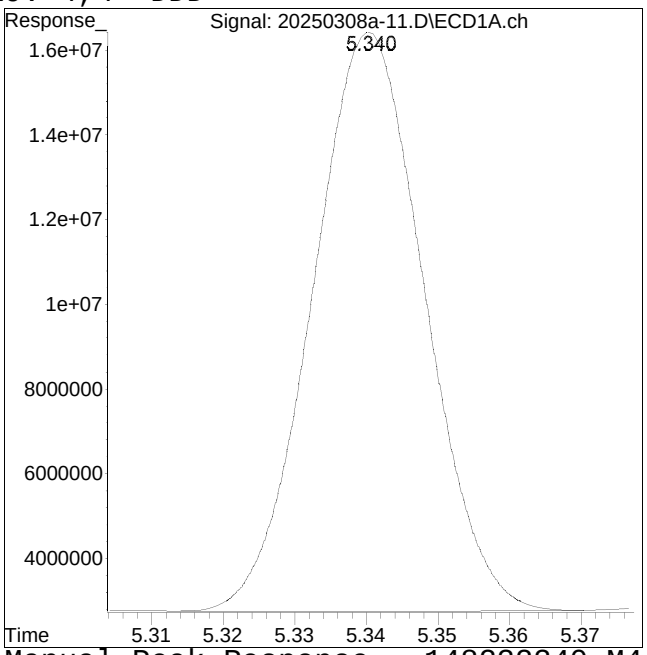
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #19: 4,4'-DDD



Original Peak Response = 156915445



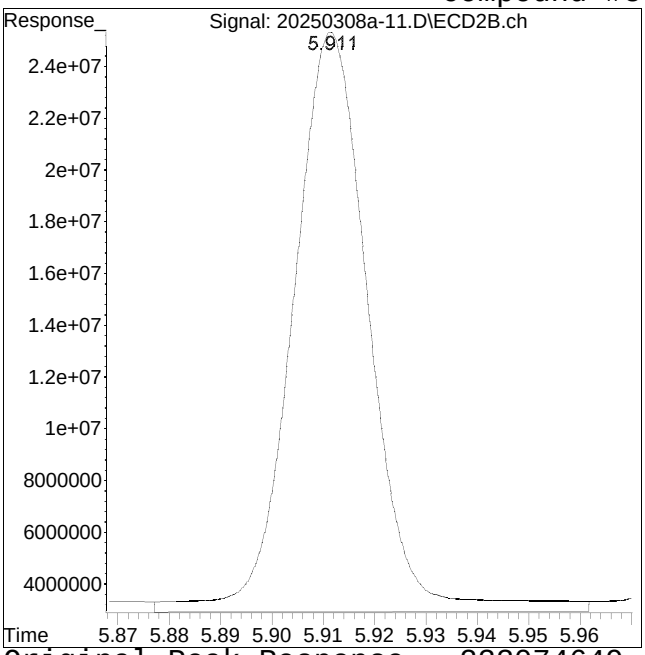
Manual Peak Response = 148232340 M4

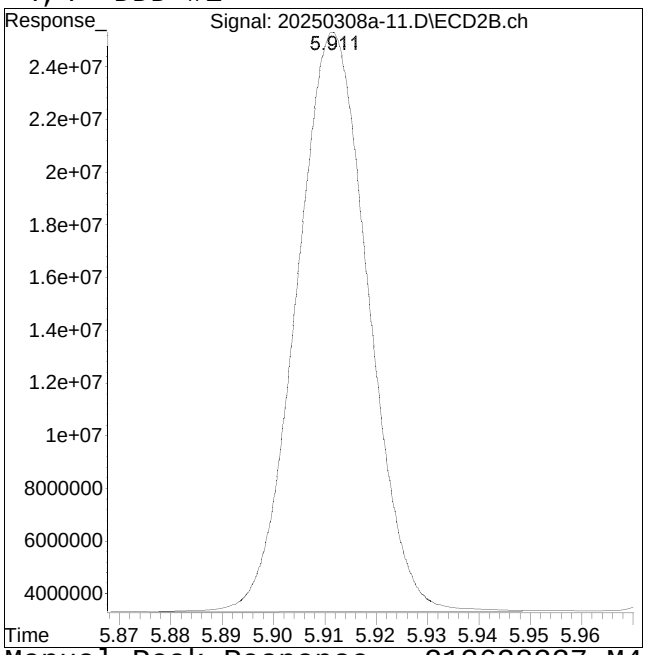
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #57: 4,4'-DDD #2



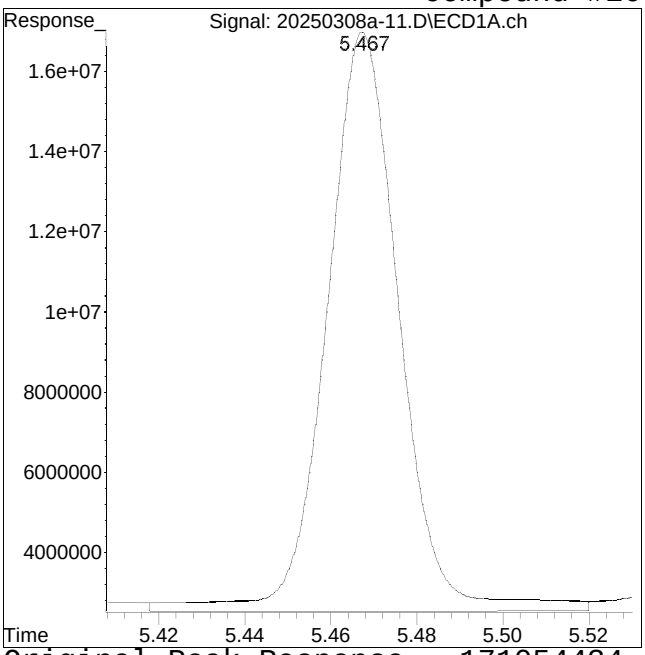


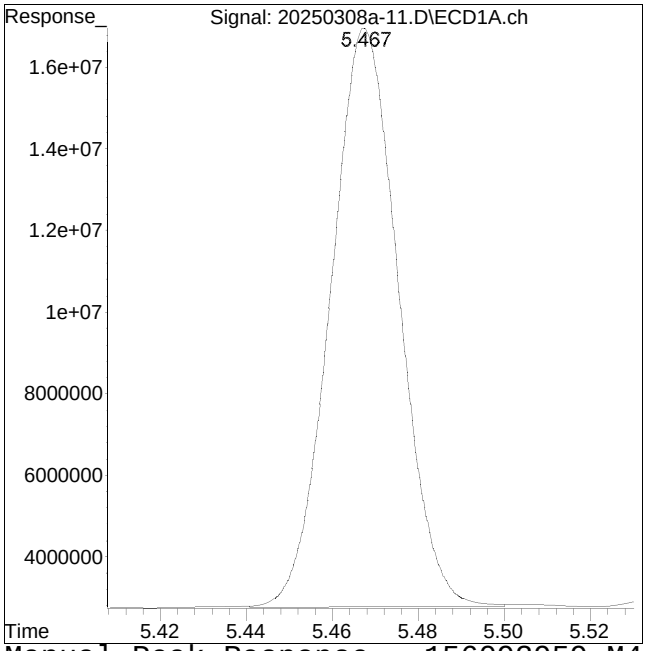
Original Peak Response = 233074649 Manual Peak Response = 213638337 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #20: Endosulfan II



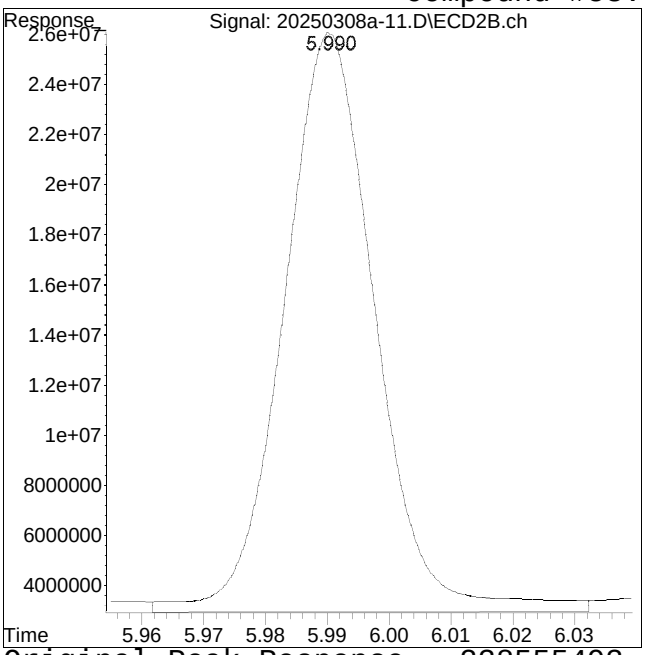


Original Peak Response = 171054434 Manual Peak Response = 156093959 M4
M4 = Poor automated baseline construction.

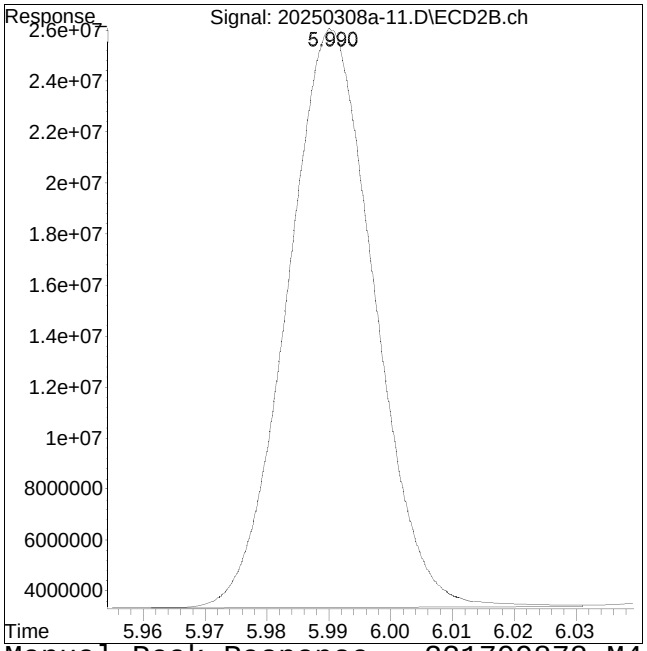
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #58: Endosulfan II #2



Original Peak Response = 238555493



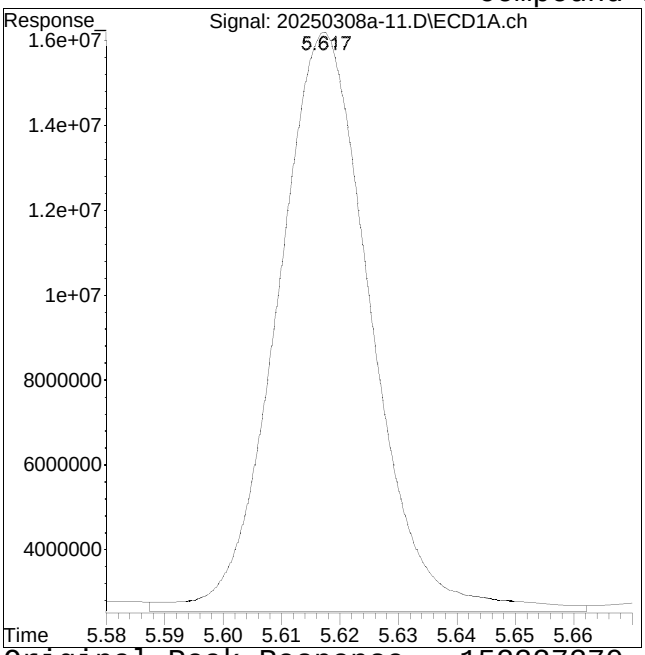
Manual Peak Response = 221709878 M4

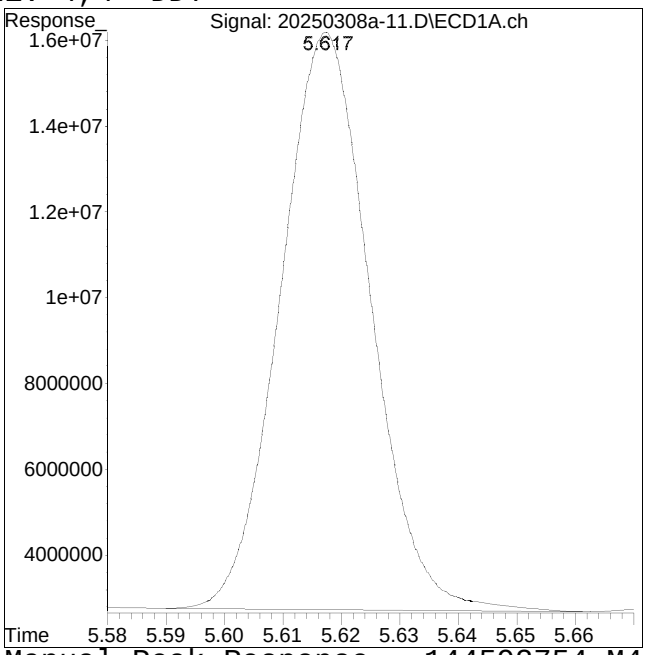
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #21: 4,4'-DDT



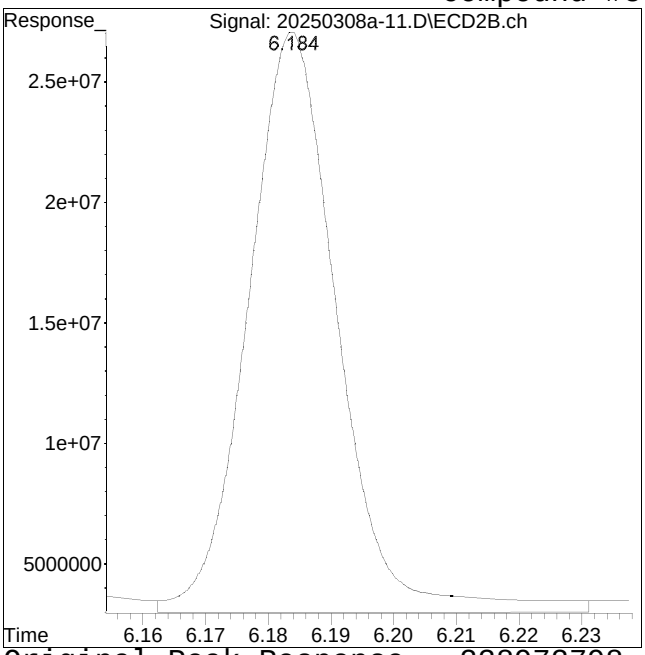


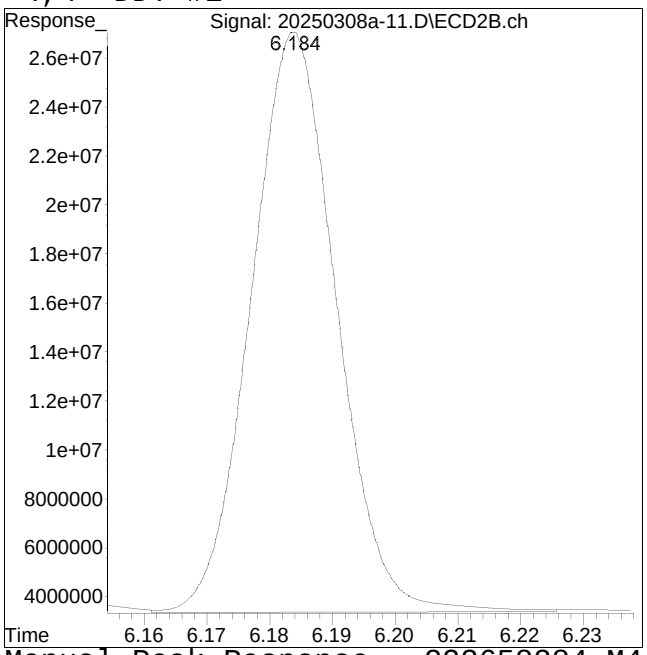
Original Peak Response = 152327370 Manual Peak Response = 144592754 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #59: 4,4'-DDT #2



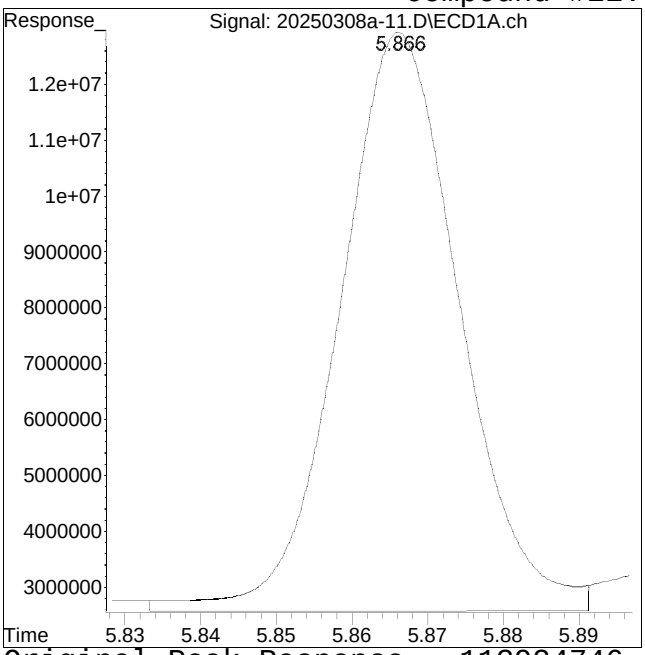


Original Peak Response = 238972798 Manual Peak Response = 222658284 M4
M4 = Poor automated baseline construction.

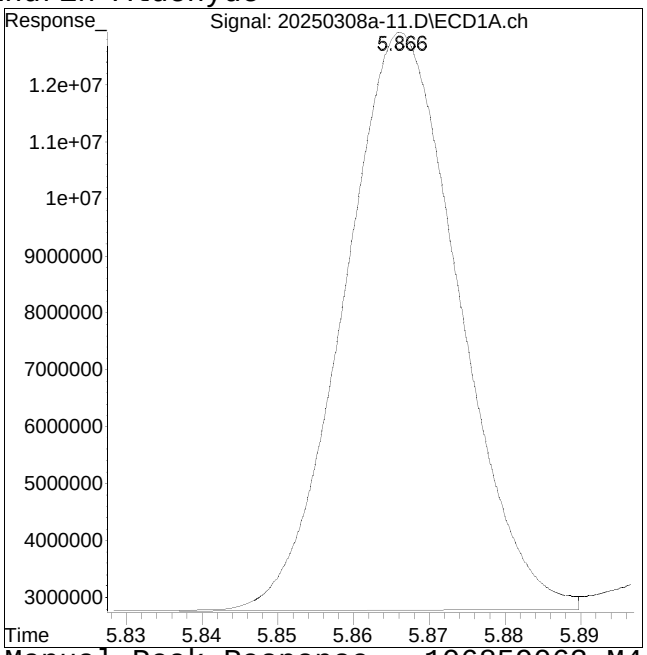
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #22: Endrin Aldehyde



Original Peak Response = 113924746



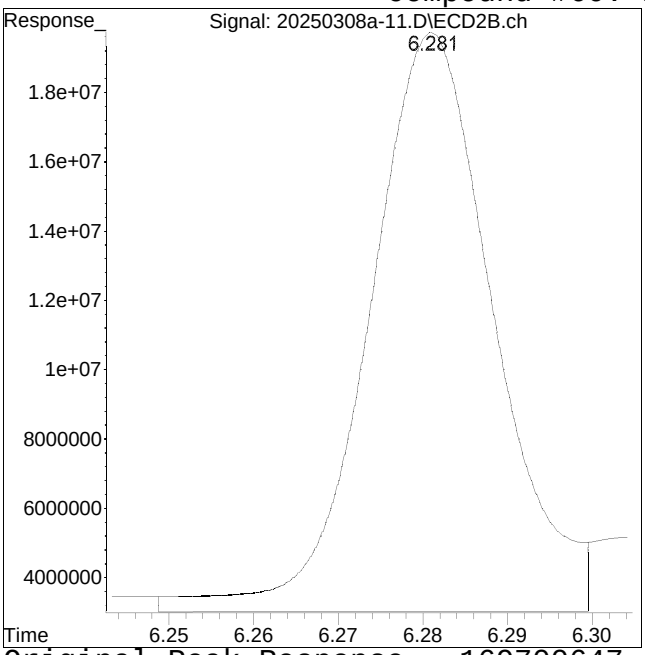
Manual Peak Response = 106859063 M4

M4 = Poor automated baseline construction.

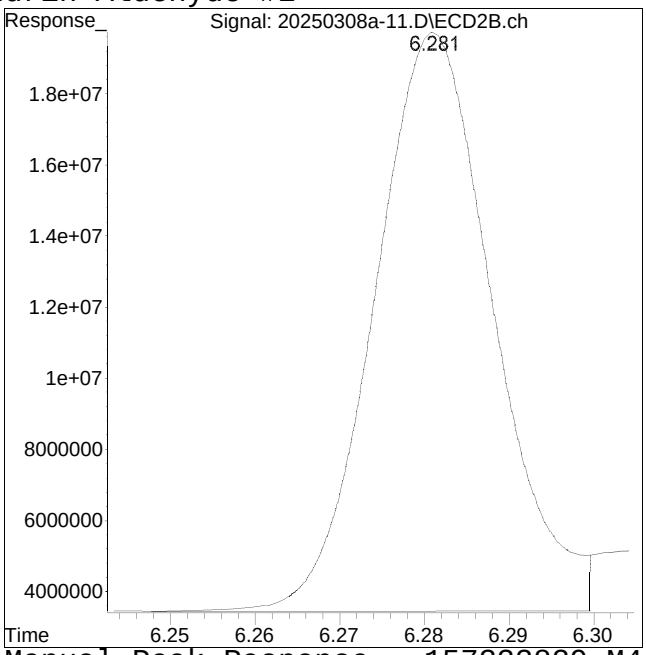
Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #60: Endrin Aldehyde #2



Original Peak Response = 169700647



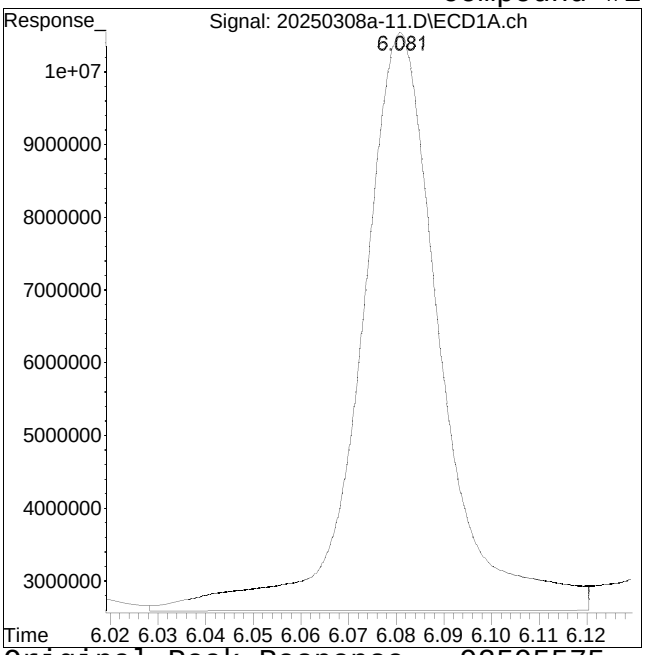
Manual Peak Response = 157333829 M4

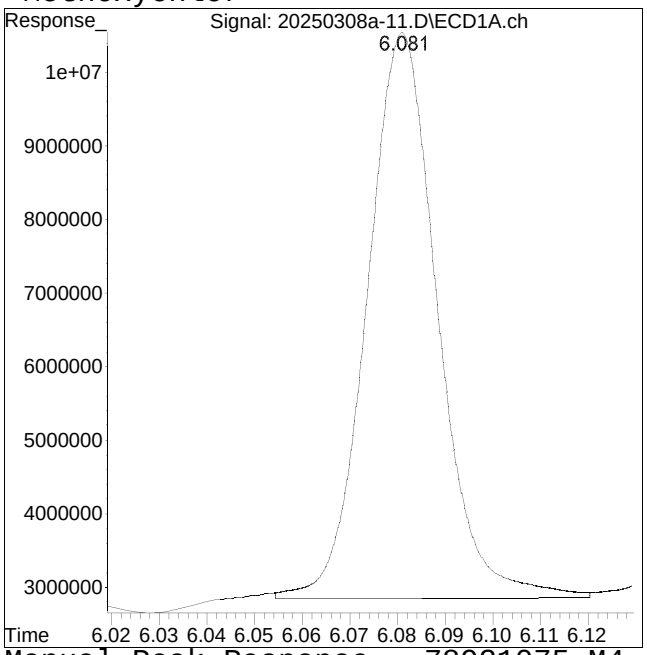
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #23: Methoxychlor



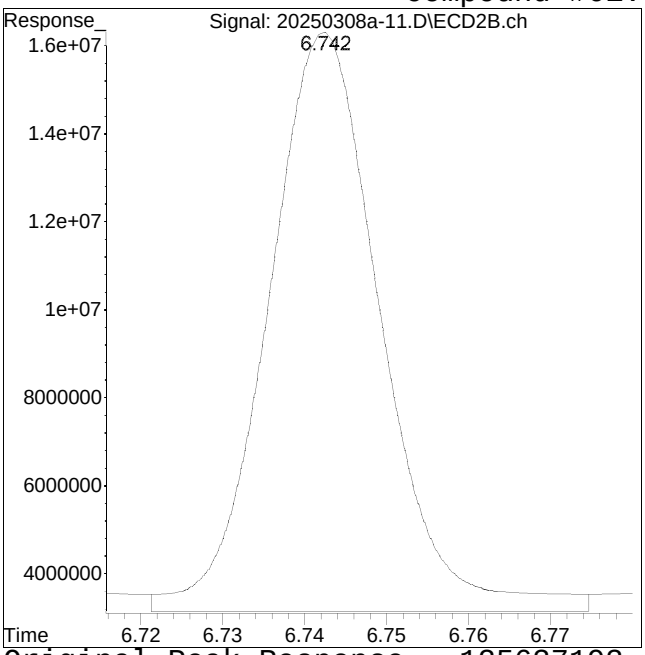


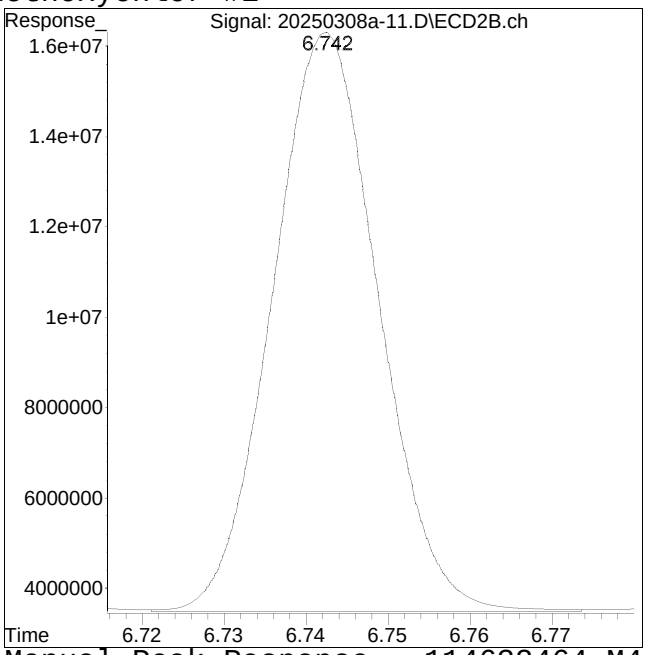
Original Peak Response = 92595575 Manual Peak Response = 78931075 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #61: Methoxychlor #2



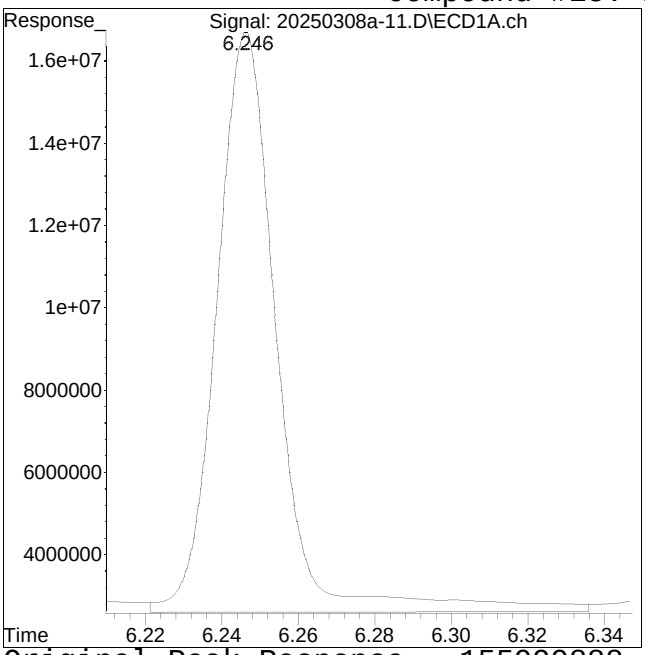


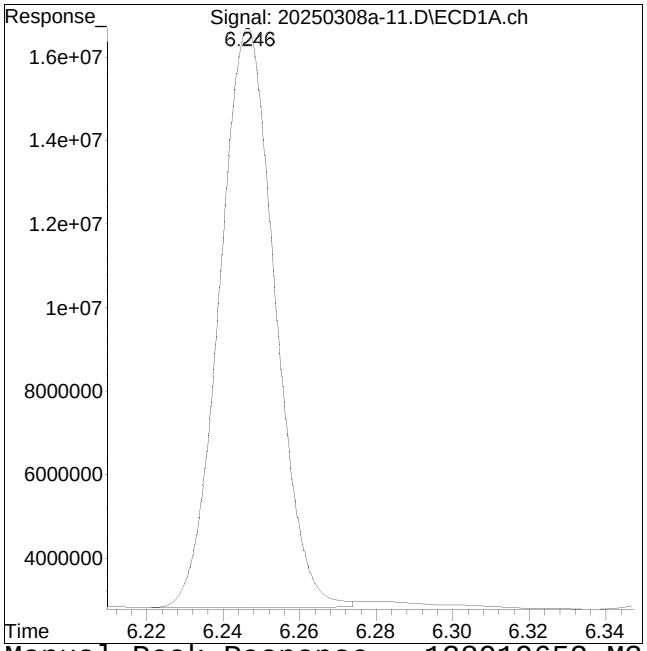
Original Peak Response = 125637193 Manual Peak Response = 114632464 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #25: Endosulfan Sulfate



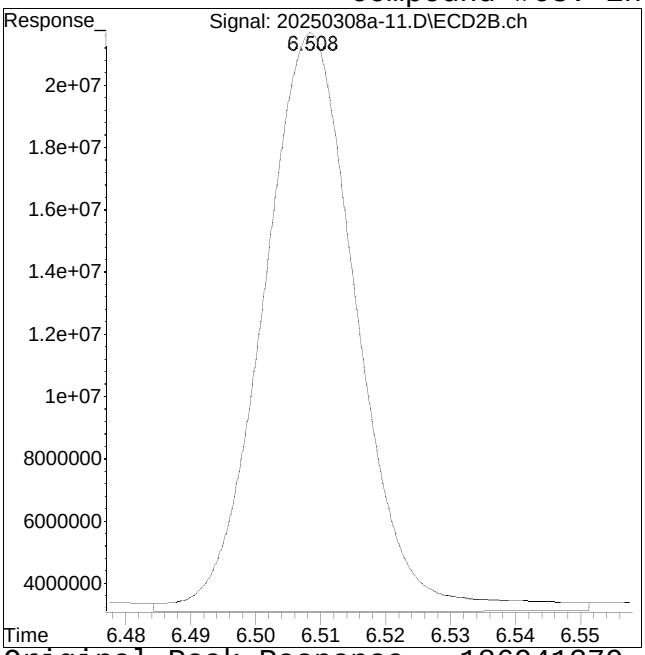


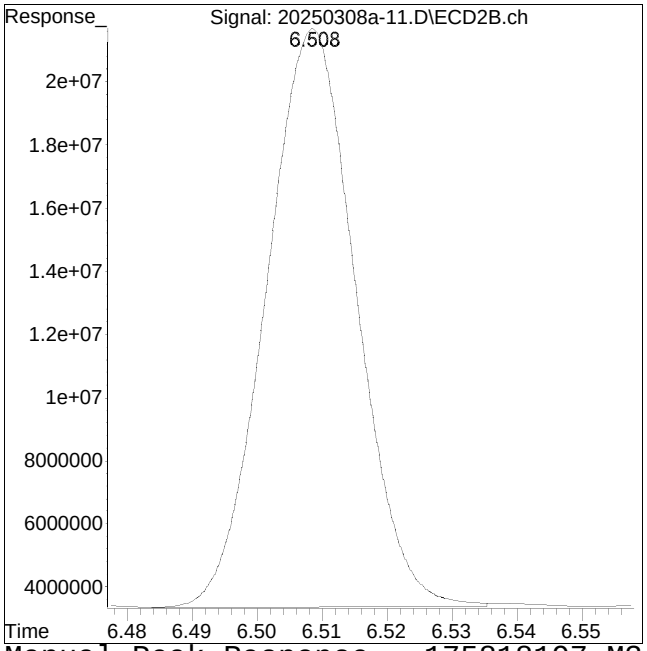
Original Peak Response = 155999888 Manual Peak Response = 138919652 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #63: Endosulfan Sulfate #2



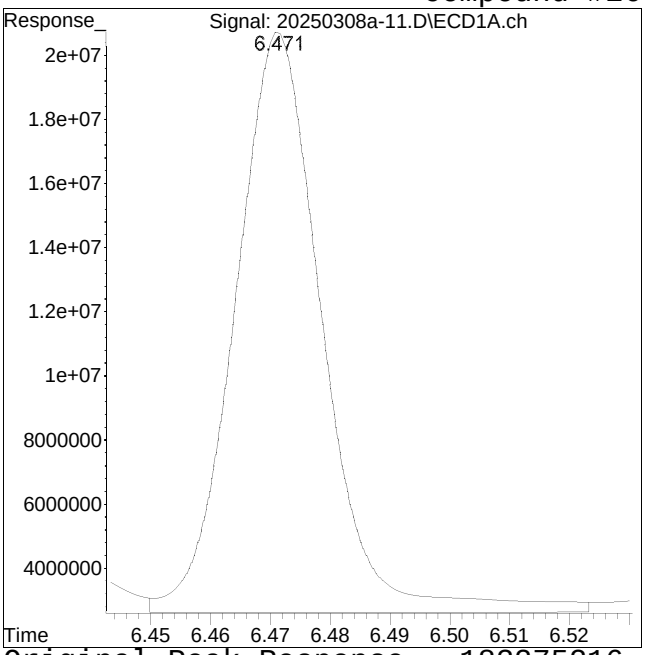


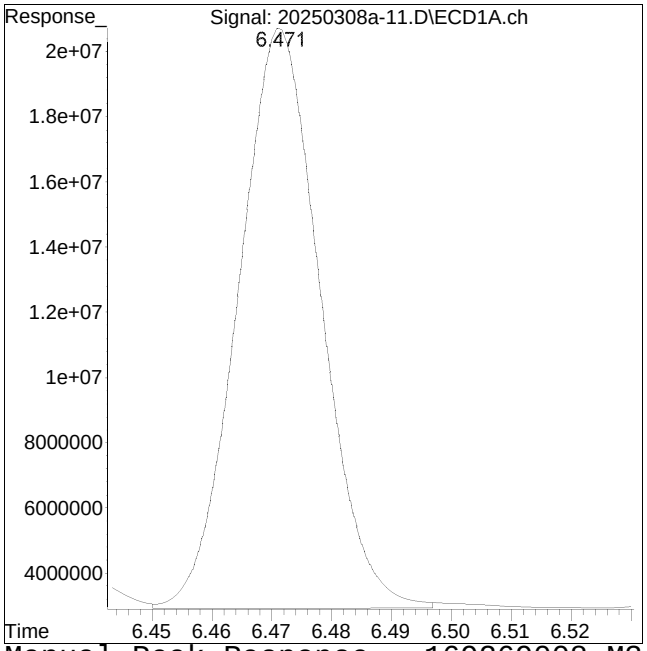
Original Peak Response = 186941379 Manual Peak Response = 175818197 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #26: Endrin Ketone



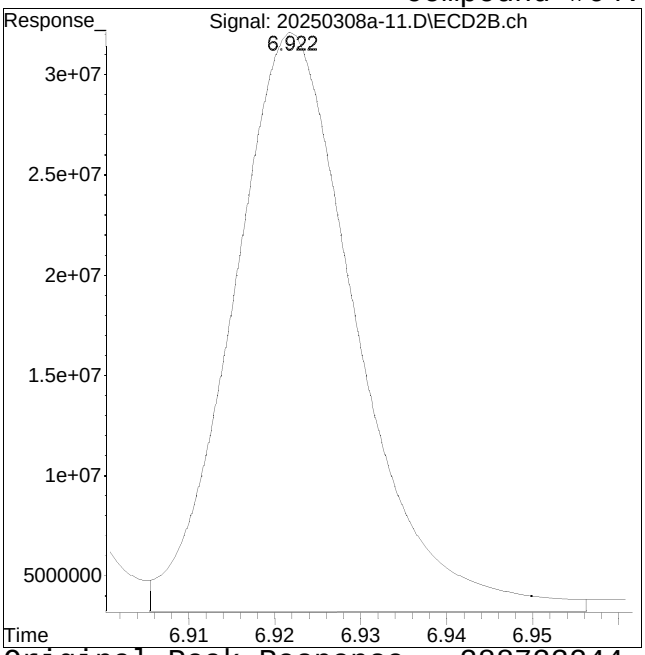


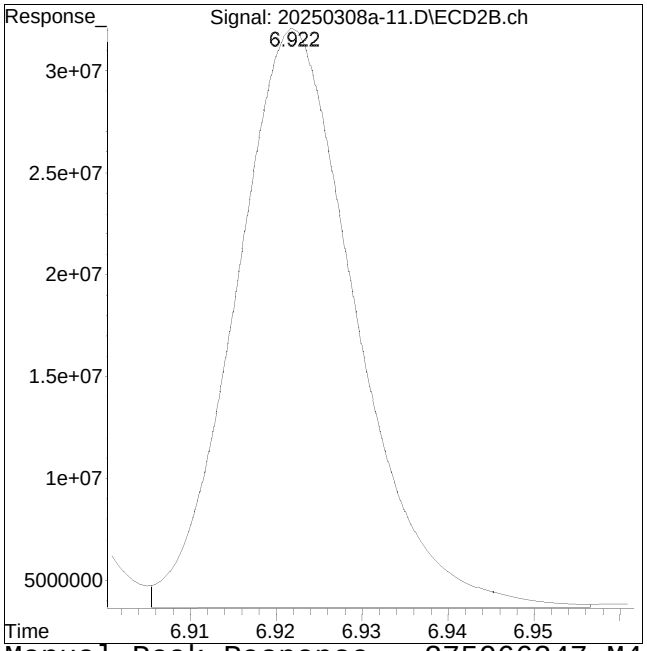
Original Peak Response = 183275216 Manual Peak Response = 169269008 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #64: Endrin Ketone #2



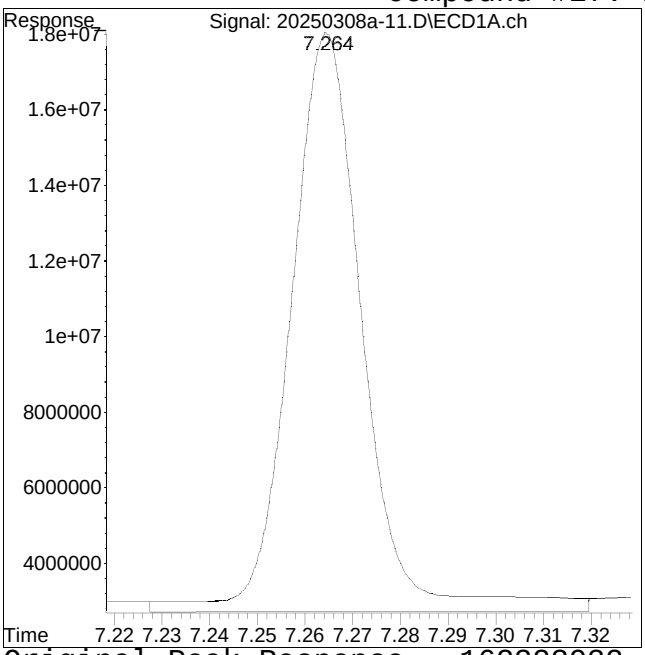


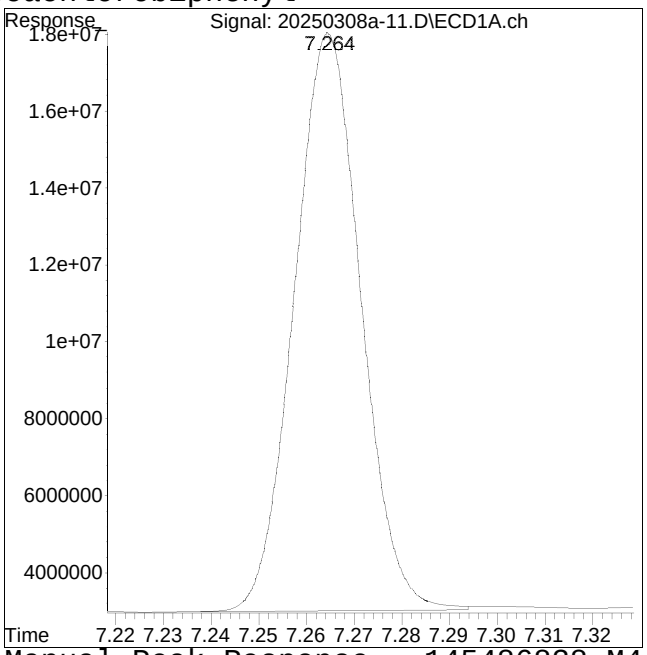
Original Peak Response = 288733244 Manual Peak Response = 275066247 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #27: Decachlorobiphenyl



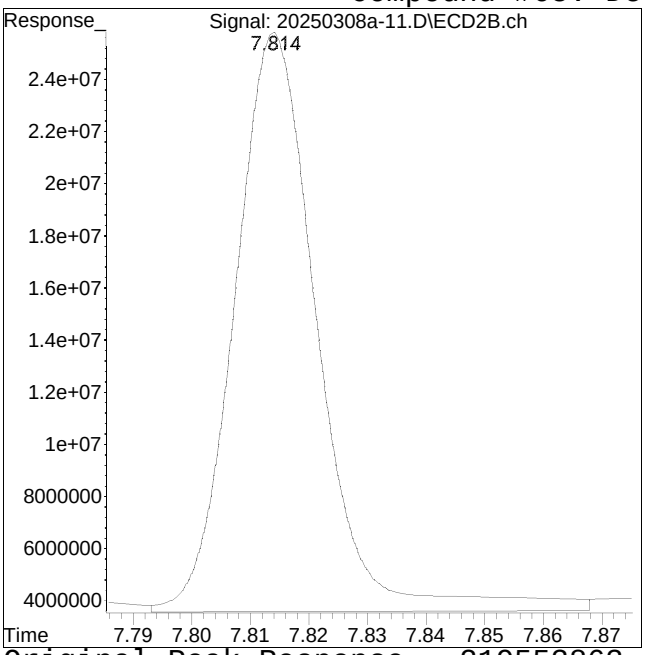


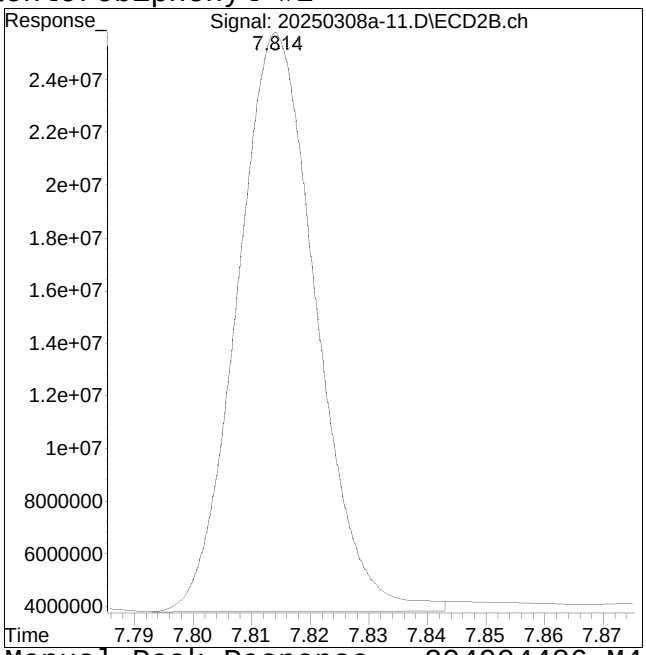
Original Peak Response = 162323932 Manual Peak Response = 145486838 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2025\250309QMethod : pest20_2025_01_03_ugL_IC
Data File : 20250308a-11.D Operator : pest20:akm
Date Inj'd : 3/9/2025 13:27 Instrument : PEST 20
Sample : WG2038216-3,42,, Quant Date : 3/10/2025 10:39 am

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 219553863 Manual Peak Response = 204904486 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 8:36 am
Operator : PEST11:peg
Sample : WG2037965-4,42,, rvt ms
Misc : wg2038031,WG2037965,ical21853
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 12:15:36 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:00:56 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2025\250308A\11250308a-03.d
Sub List : LCS_MS - spk only

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.291	1.370	422.6E6	201.0E6	25.000M4	25.000M3
	Standard Area 1 : #1 = 378270952				Recovery = 111.71%		
	Standard Area 1 : #2 = 220505210				Recovery = 91.14%		
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.639	1.857	744.0E6	338.9E6	36.266M3	40.371M3
	Spiked Amount 50.000	Range 30 - 150		Recovery =	72.53%	80.74%	
27) s	Decachlorobi	6.305	6.964	653.1E6	261.2E6	33.598M4	35.261M3
	Spiked Amount 50.000	Range 30 - 150		Recovery =	67.20%	70.52%	
Target Compounds							
4) t	alpha-BHC	1.955	2.281	1147.8E6	516.6E6	41.755M4	44.132M4
5) t	gamma-BHC (l	2.160	2.572	1128.7E6	503.7E6	44.779M4	44.712M4
6) t	beta-BHC	2.217	2.638	478.4E6	211.7E6	40.808M3	44.543M4
7) t	delta-BHC	2.347	2.909	887.9E6	348.5E6	34.999M3	31.391M4
8) t	Heptachlor	2.511	2.976	941.6E6	430.4E6	39.729M3	38.102M4
9) t	Aldrin	2.756	3.300	891.8E6	387.4E6	37.696M3	38.387M4
12) t	Heptachlor E	3.306	3.924	938.5E6	385.8E6	41.926M4	37.797M3
13) t	gamma-Chlord	3.432	4.147	913.9E6	397.9E6	42.261M3	43.781M4
14) t	alpha-Chlord	3.567	4.317	858.5E6	385.7E6	35.002M3	38.121M4
15) t	4,4'-DDE	3.666	4.514	897.7E6	384.8E6	40.014M4	40.641M4
16) t	Endosulfan I	3.704	4.376	879.5E6	379.3E6	40.972M3	40.368M3
17) t	Dieldrin	3.966	4.668	986.8E6	419.1E6	44.368M4	44.846M4
18) t	Endrin	4.223	4.964	1003.9E6	407.0E6	46.589M3	43.323M4
19) t	4,4'-DDD	4.335	5.088	801.8E6	340.6E6	47.272M4	44.803M3
20) t	Endosulfan I	4.464	5.163	892.3E6	366.4E6	44.562M4	42.433M4
21) t	4,4'-DDT	4.629	5.366	789.0E6	363.1E6	42.874M4	41.943M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 8:36 am
Operator : PEST11:peg
Sample : WG2037965-4,42,, rvt ms
Misc : wg2038031,WG2037965,ical21853
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 12:15:36 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:00:56 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2025\250308A\11250308a-03.d
Sub List : LCS_MS - spk only

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
22) t Endrin Aldeh	4.882	5.460	630.7E6	267.8E6	37.972M4	38.141M4
23) t Methoxychlor	5.119	5.932	497.5E6	108.4E6	47.930M4	21.926
25) t Endosulfan S	5.275	5.689	832.0E6	336.6E6	41.630M4	39.588M4
26) t Endrin Keton	5.502	6.102	1024.3E6	440.4E6	51.392M4	49.352M4
Sum chlordane-1			0	0	N.D.	N.D.
Average chlordane-1					0.000	0.000
Sum toxaphene-2			0	0	N.D.	N.D.
Average toxaphene-2					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum toxaphene-2			0	0	N.D.	N.D.
Average toxaphene-2					0.000	0.000

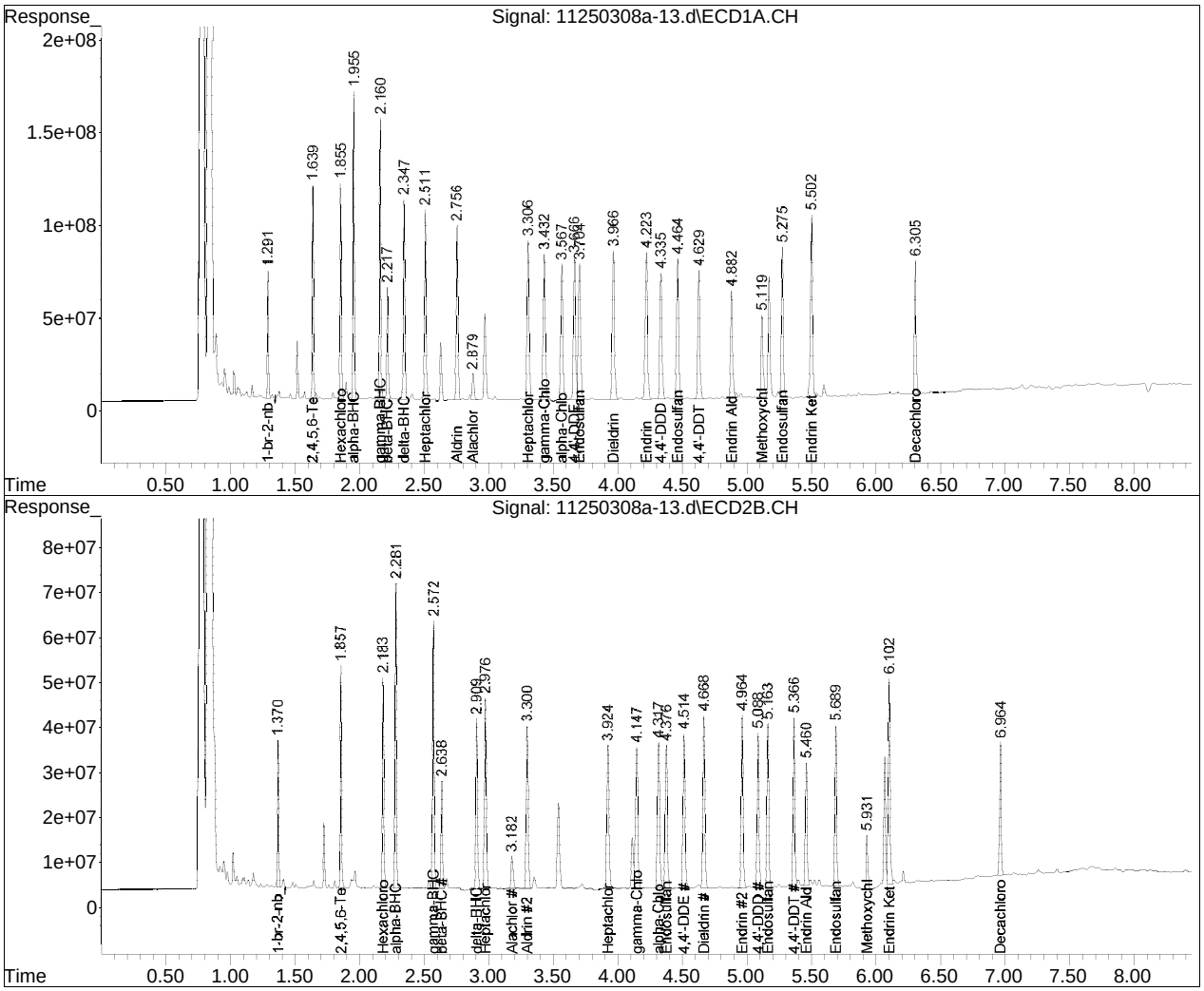
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : LCS_MS - spk only1\2025\250308A\11250308a-03.d•

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 8:36 am
Operator : PEST11:peg
Sample : WG2037965-4,42,, rvt ms
Misc : wg2038031,WG2037965,ical21853
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 12:15:36 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:00:56 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

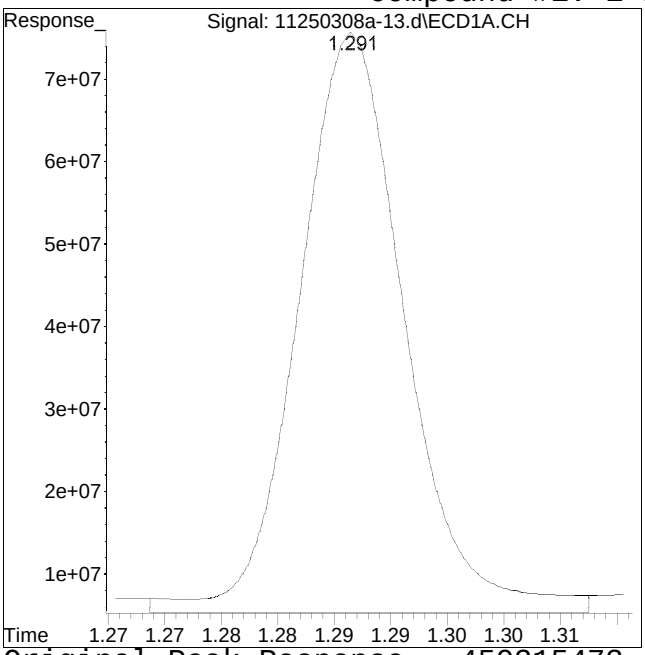
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

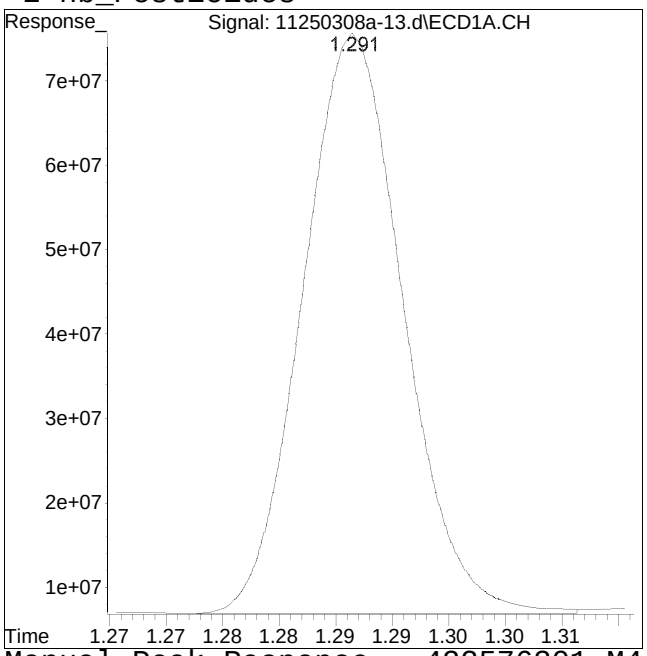


Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #1: 1-br-2-nb_Pesticides



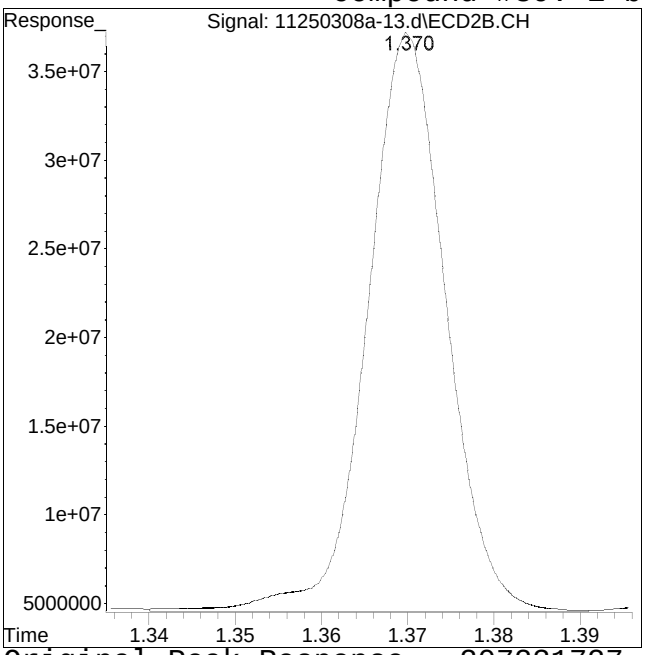


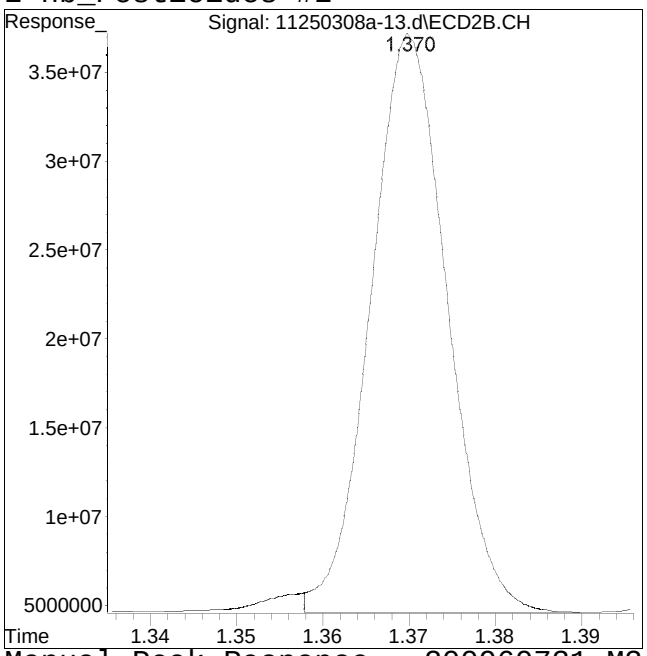
Original Peak Response = 459315473 Manual Peak Response = 422576301 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #39: 1-br-2-nb_Pesticides #2



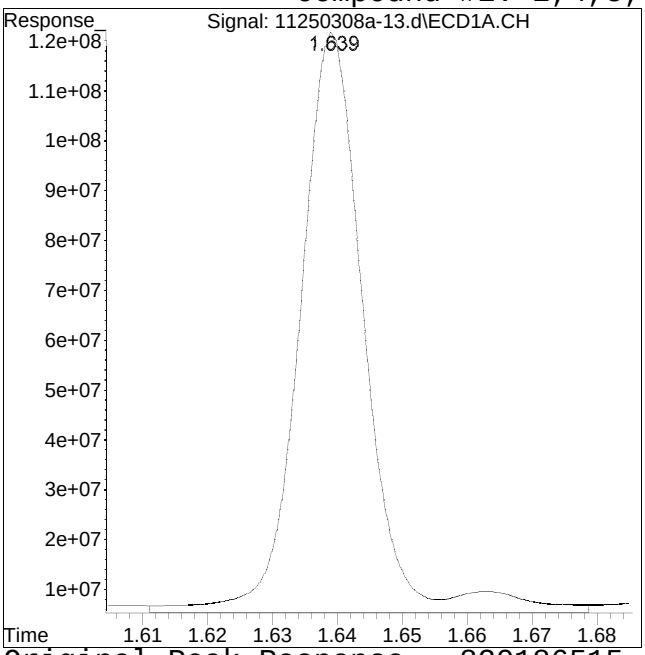


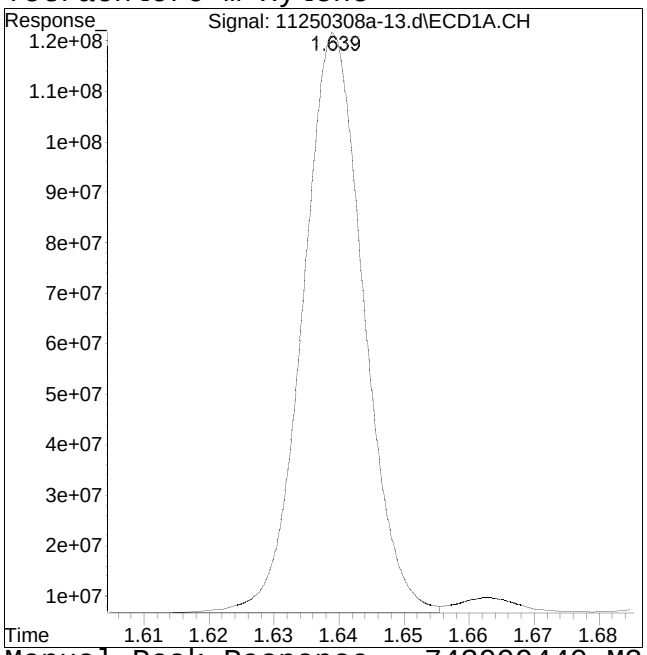
Original Peak Response = 207231727 Manual Peak Response = 200960731 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



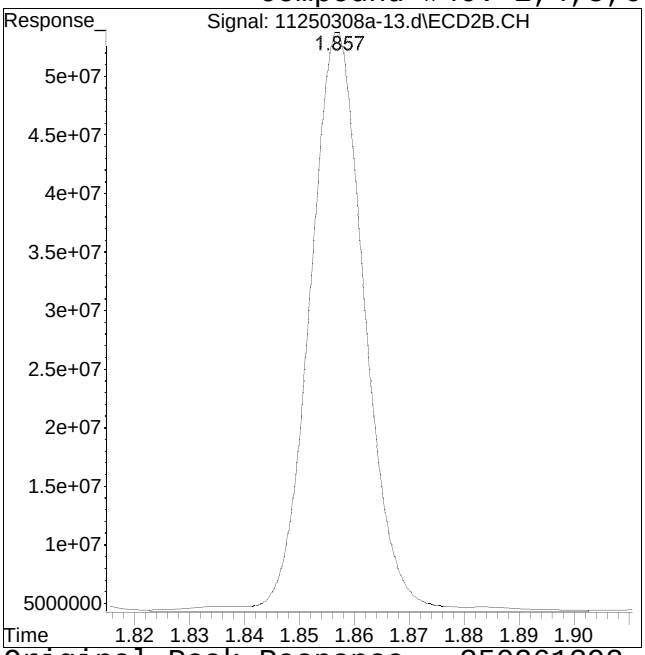


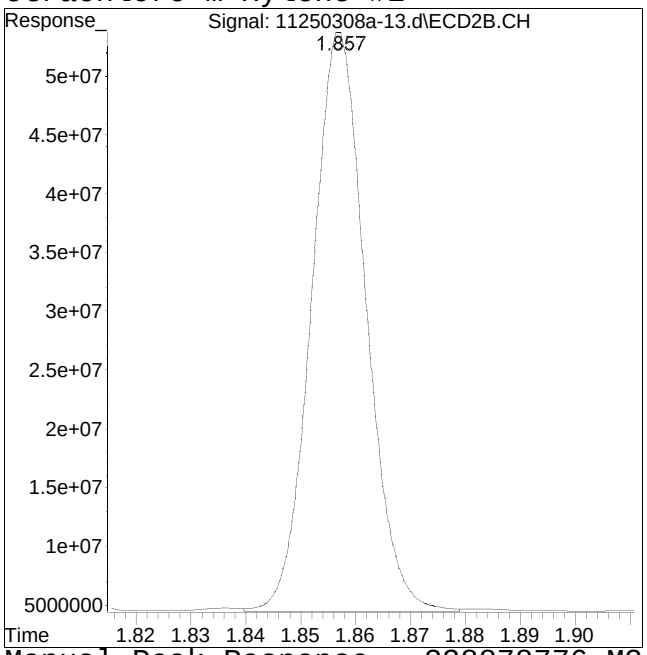
Original Peak Response = 820186515 Manual Peak Response = 743999440 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



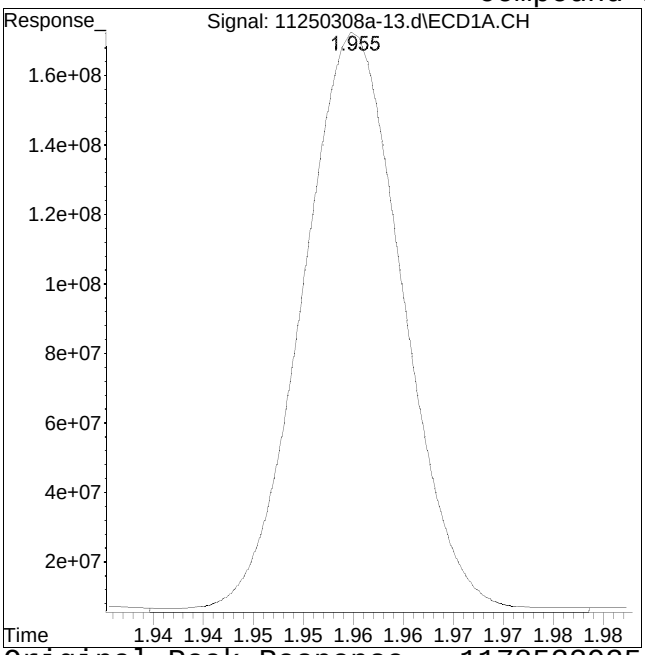


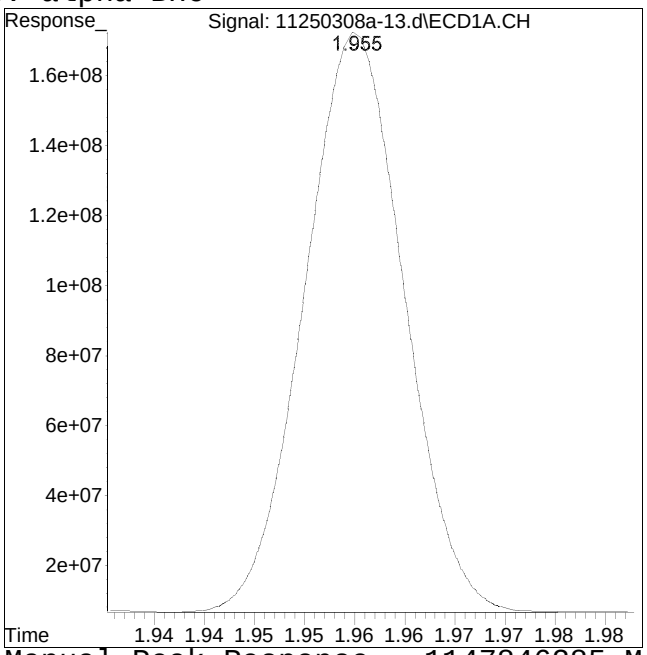
Original Peak Response = 350261392 Manual Peak Response = 338878776 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #4: alpha-BHC



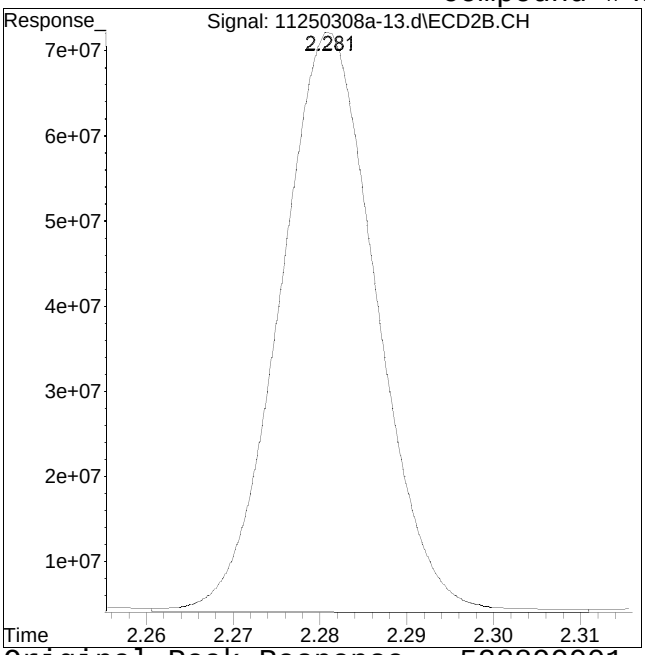


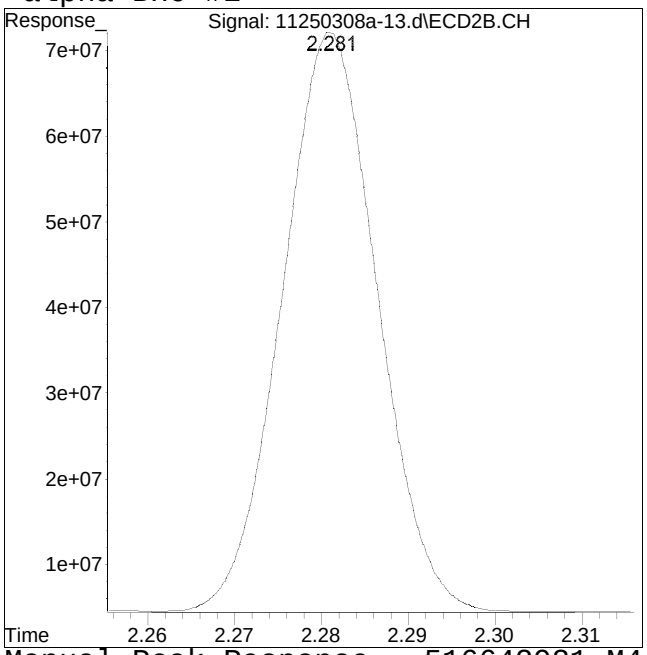
Original Peak Response = 1178533935 Manual Peak Response = 1147846285 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #42: alpha-BHC #2



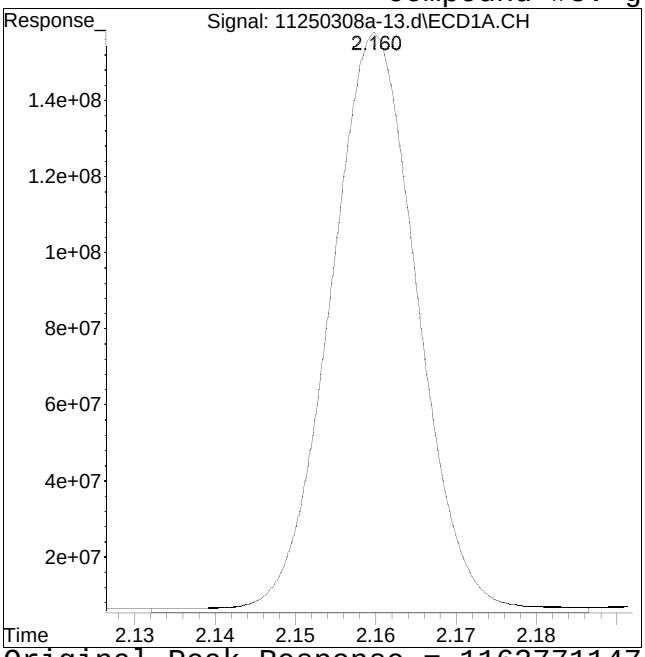


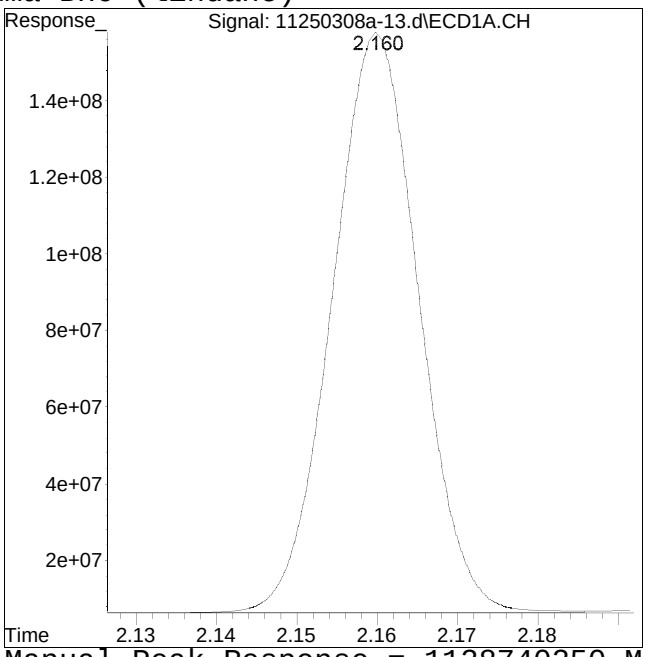
Original Peak Response = 528899901 Manual Peak Response = 516642921 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #5: gamma-BHC (lindane)



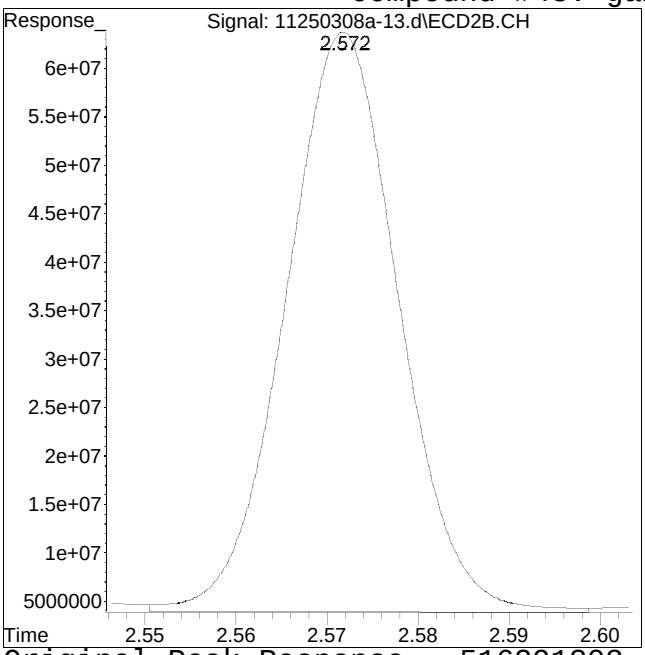


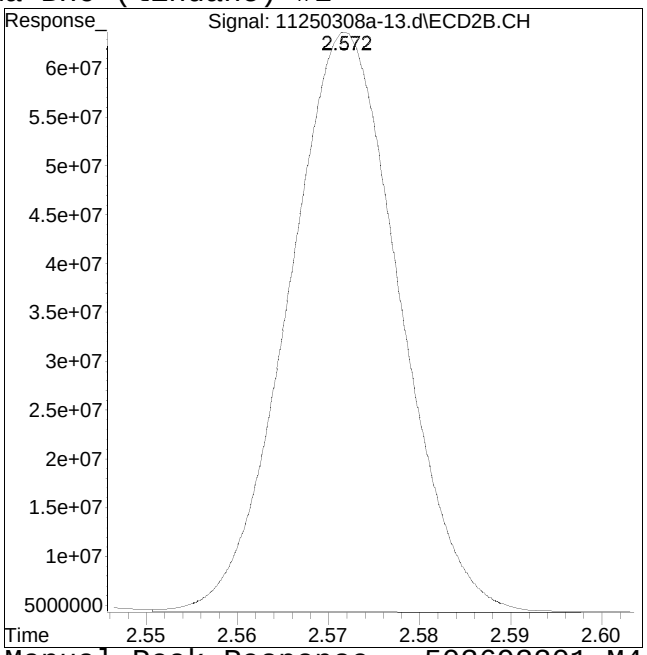
Original Peak Response = 1163771147 Manual Peak Response = 1128740250 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #43: gamma-BHC (lindane) #2



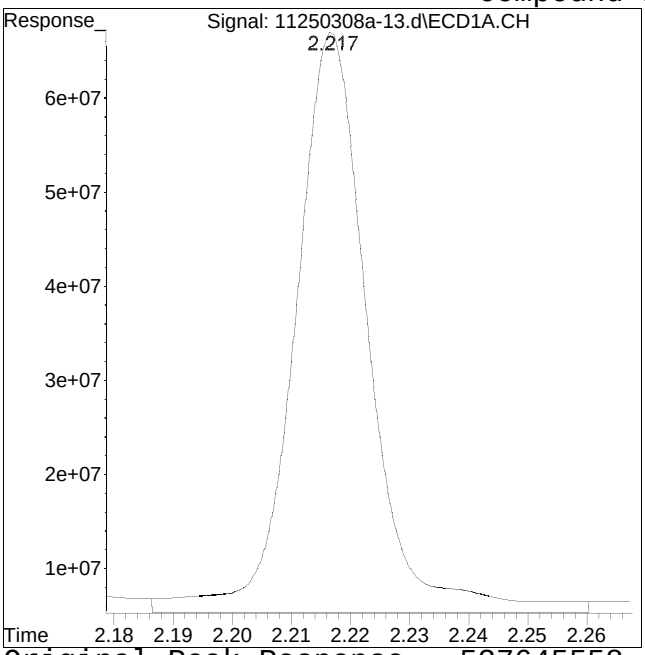


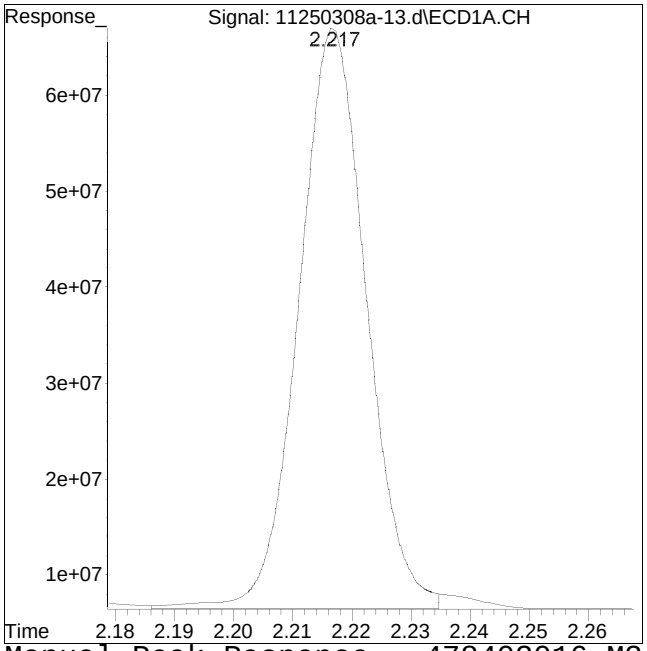
Original Peak Response = 516291303 Manual Peak Response = 503693301 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #6: beta-BHC



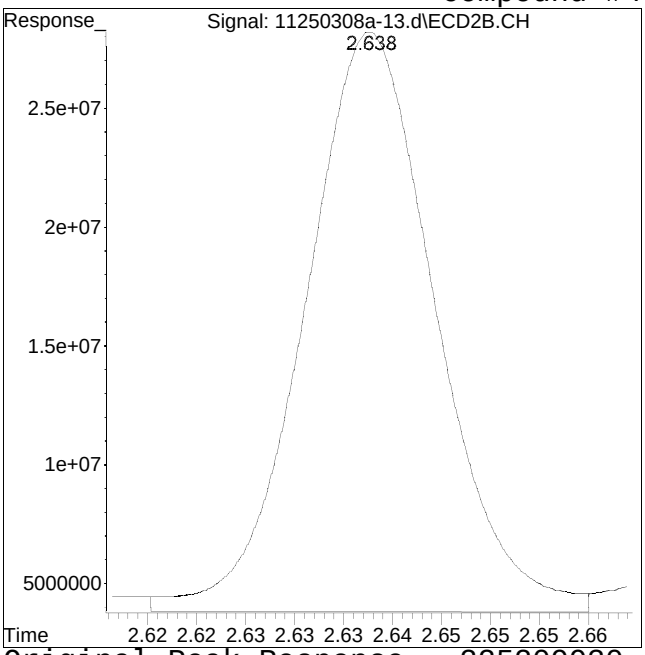


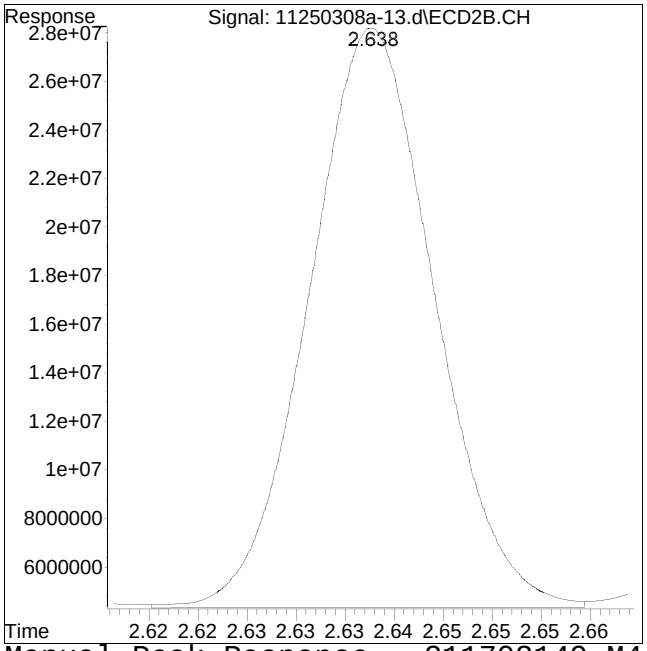
Original Peak Response = 537645558 Manual Peak Response = 478403016 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #44: beta-BHC #2



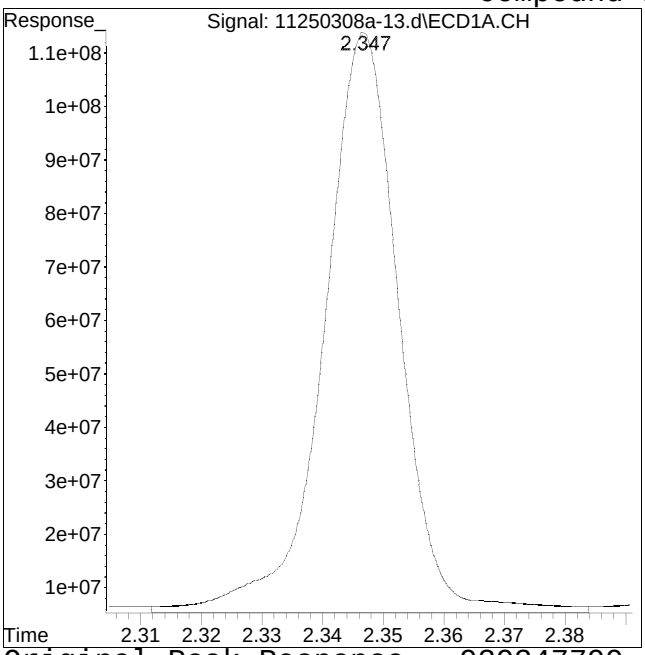


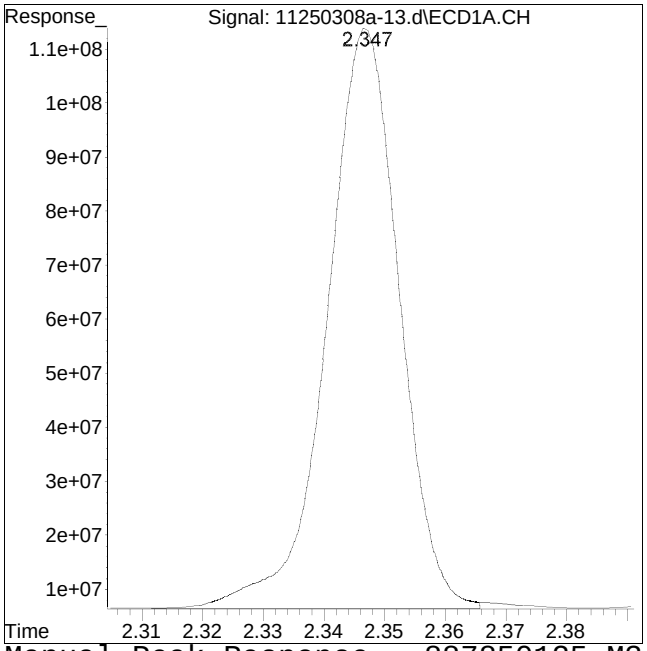
Original Peak Response = 225209930 Manual Peak Response = 211702149 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #7: delta-BHC



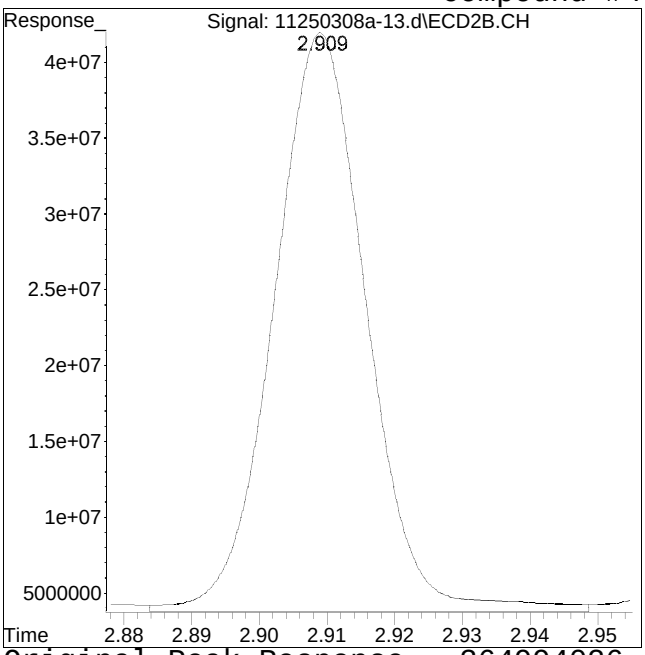


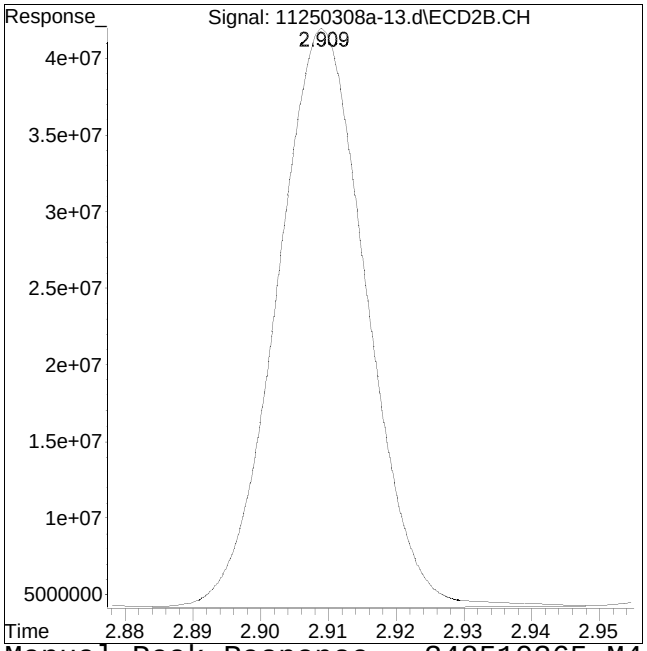
Original Peak Response = 939347799 Manual Peak Response = 887850125 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #45: delta-BHC #2



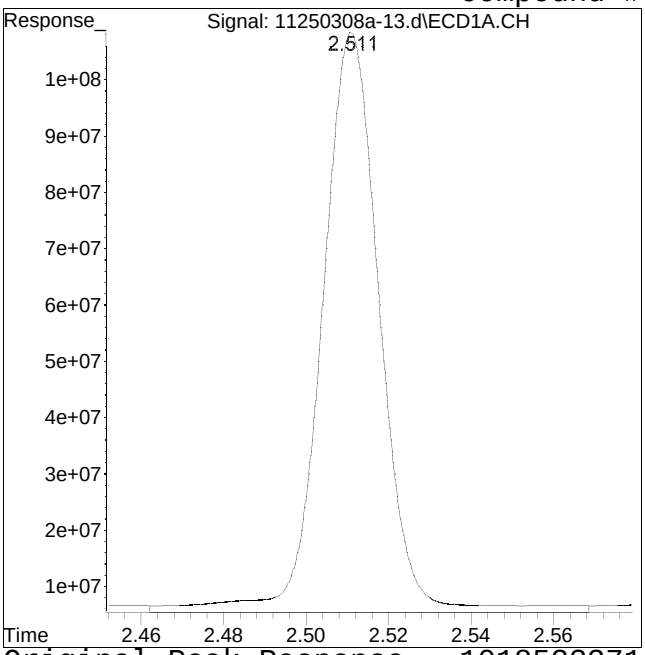


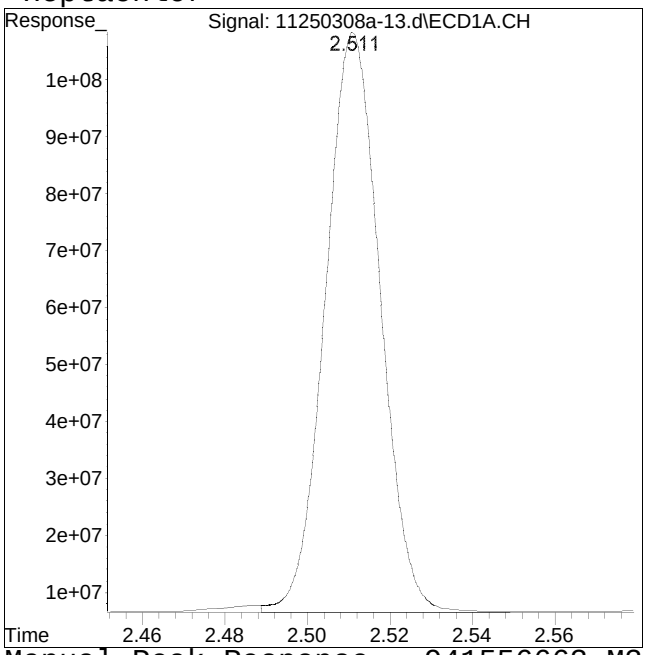
Original Peak Response = 364994026 Manual Peak Response = 348510365 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #8: Heptachlor



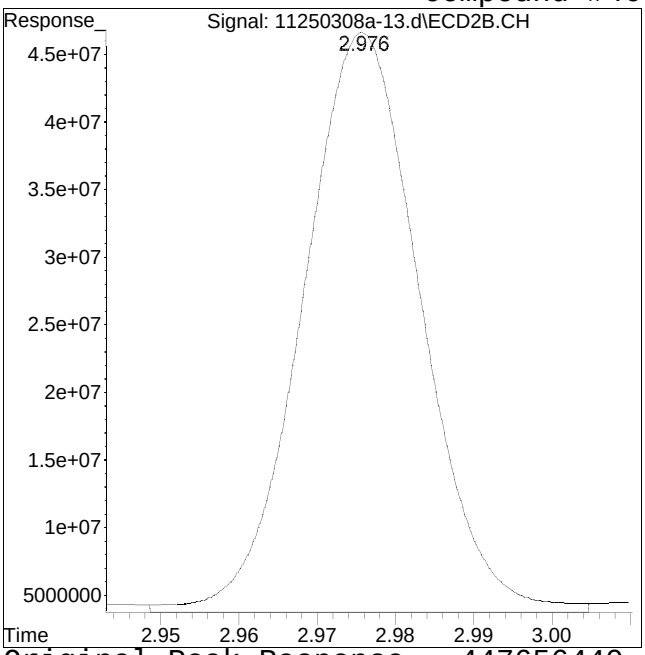


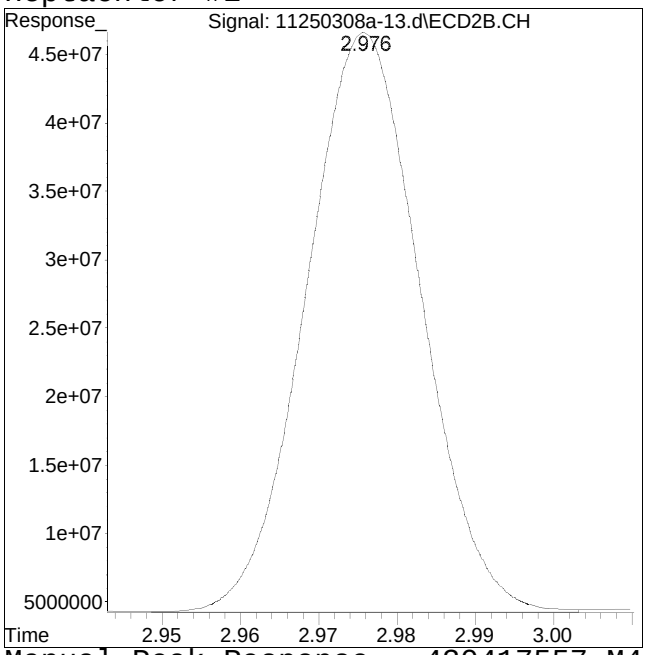
Original Peak Response = 1018523371 Manual Peak Response = 941556663 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #46: Heptachlor #2



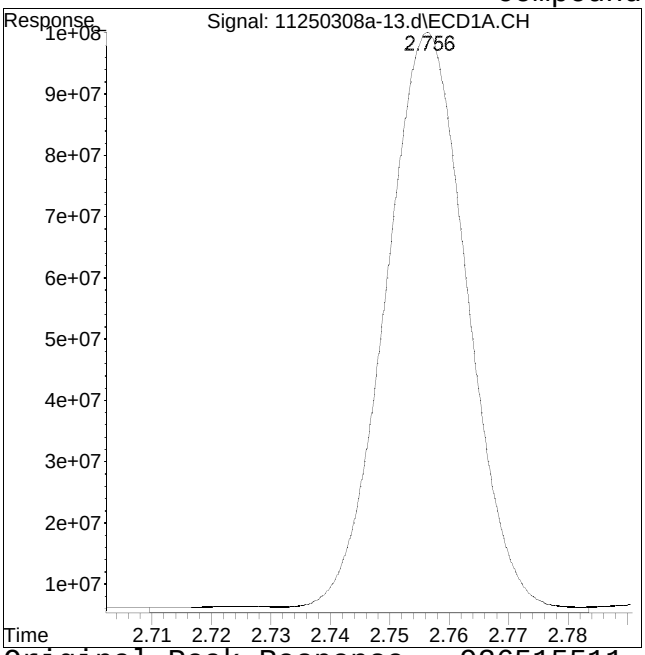


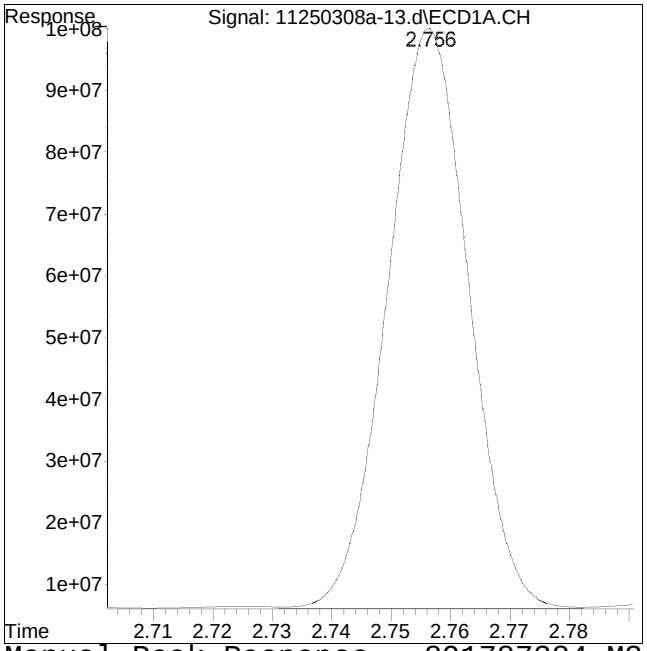
Original Peak Response = 447656440 Manual Peak Response = 430417557 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #9: Aldrin



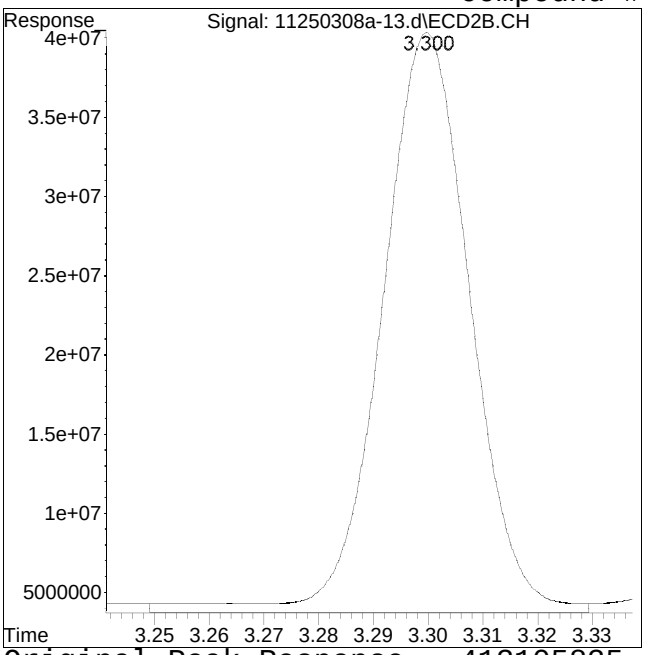


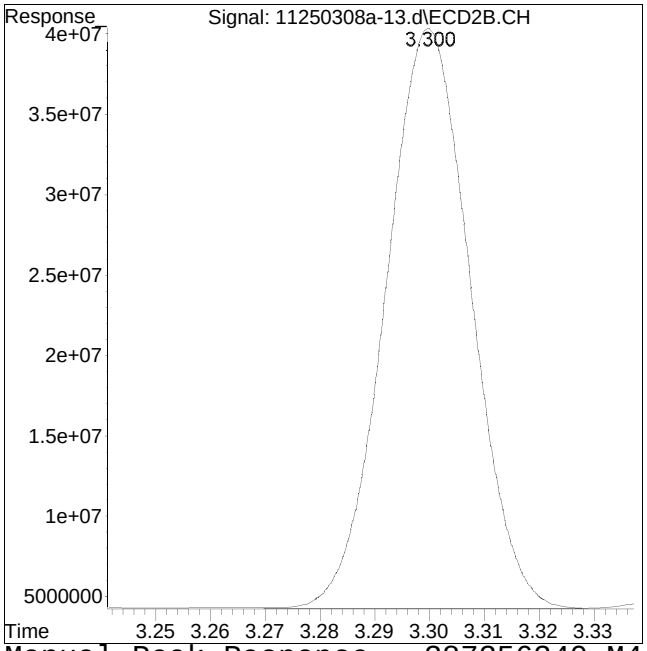
Original Peak Response = 926515511 Manual Peak Response = 891787384 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #47: Aldrin #2



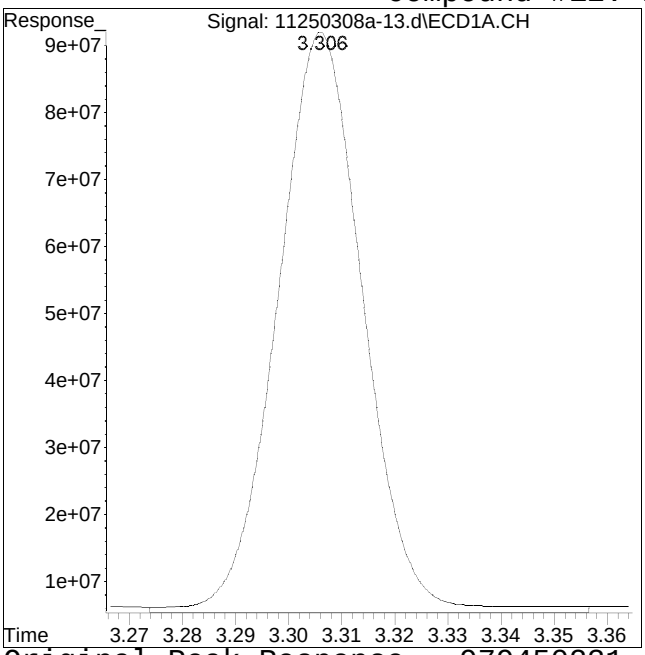


Original Peak Response = 413105835 Manual Peak Response = 387356340 M4
M4 = Poor automated baseline construction.

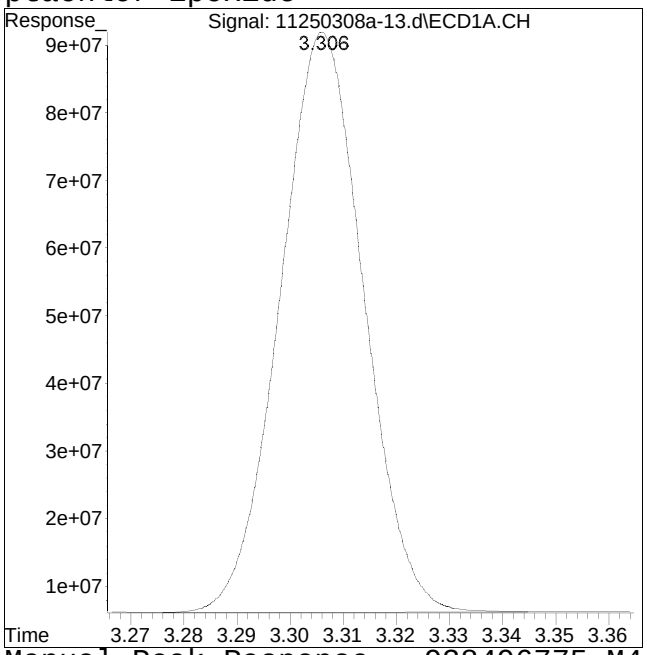
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #12: Heptachlor Epoxide



Original Peak Response = 979450231



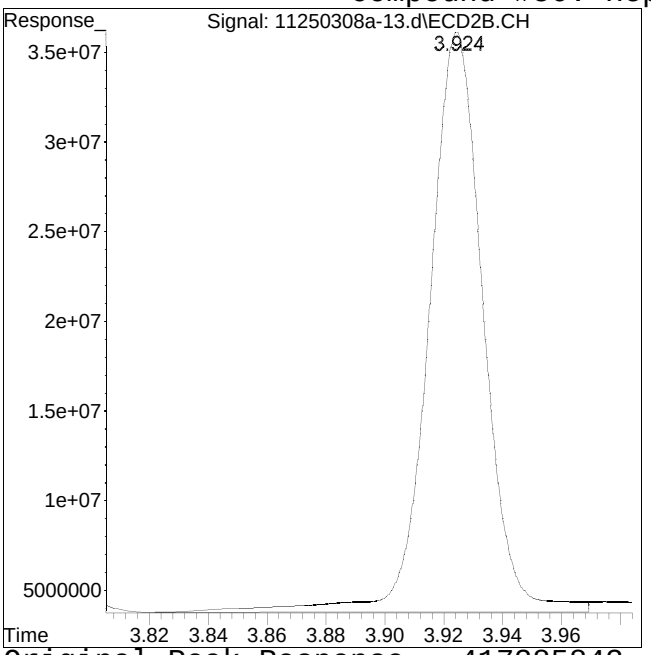
Manual Peak Response = 938496775 M4

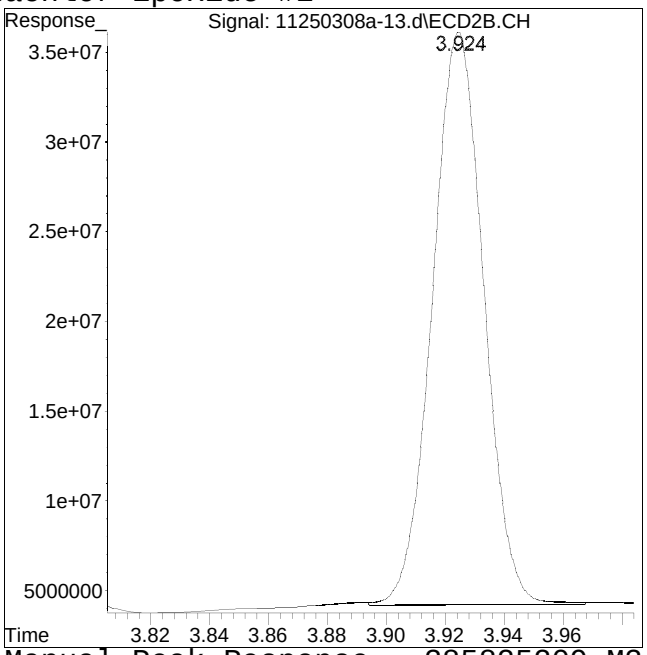
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #50: Heptachlor Epoxide #2



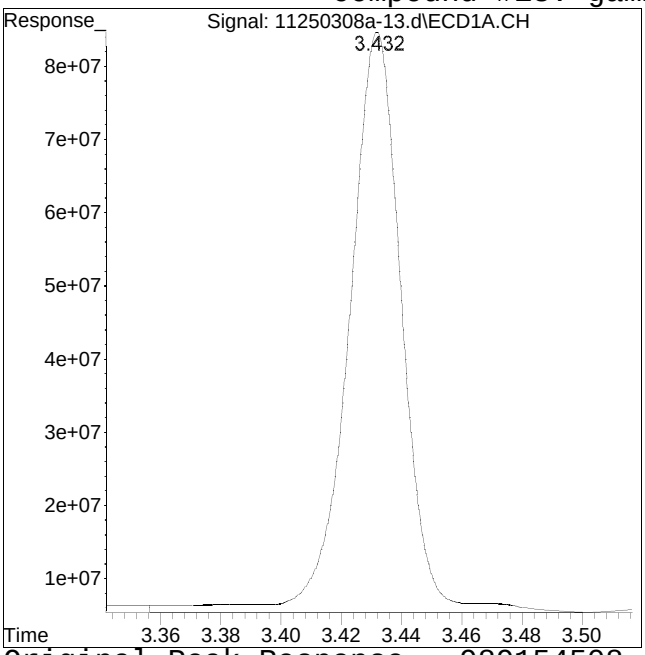


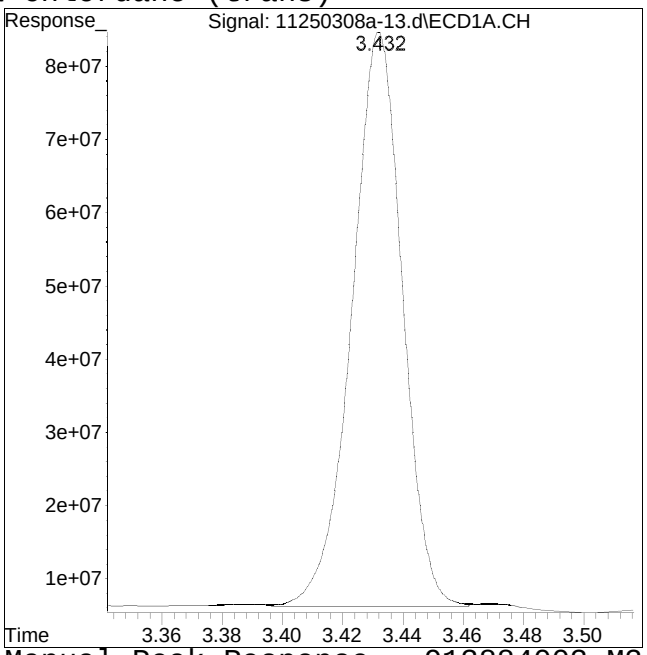
Original Peak Response = 417385843 Manual Peak Response = 385825209 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #13: gamma-Chlordane (trans)



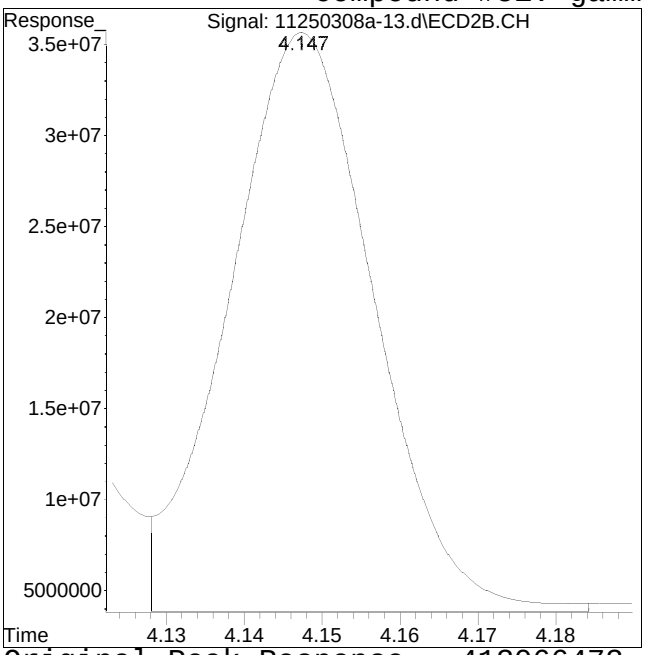


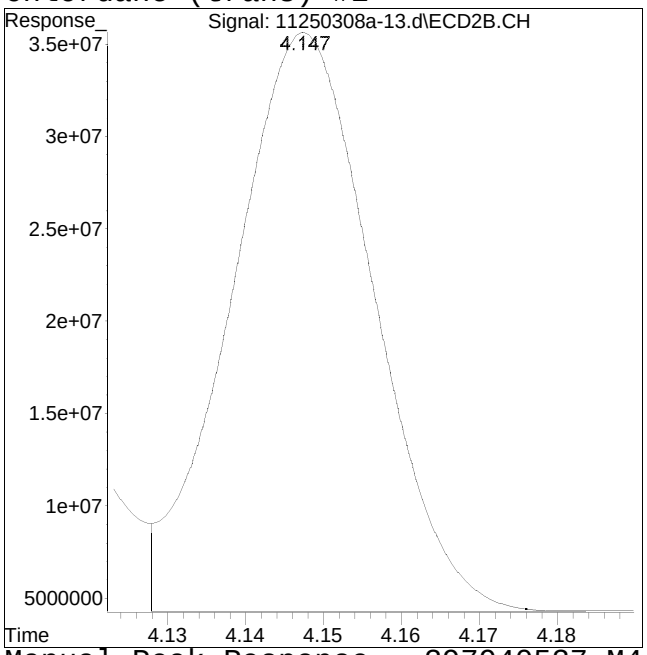
Original Peak Response = 989154508 Manual Peak Response = 913884003 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #51: gamma-Chlordane (trans) #2



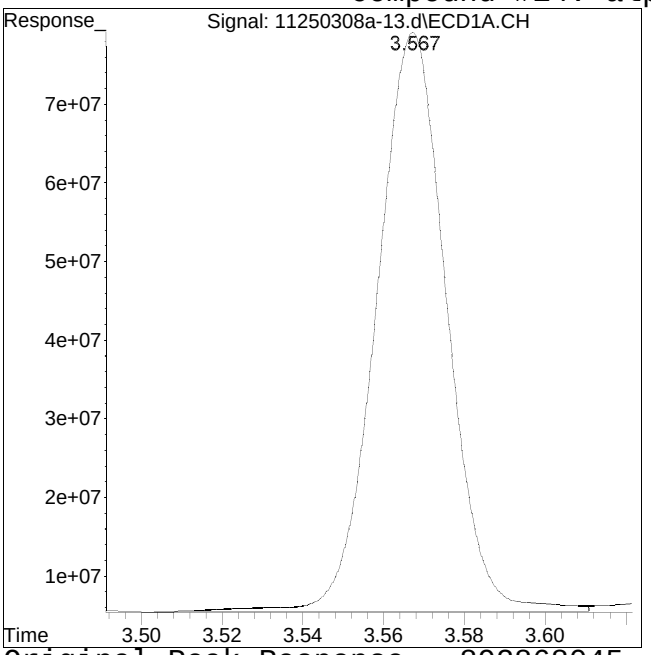


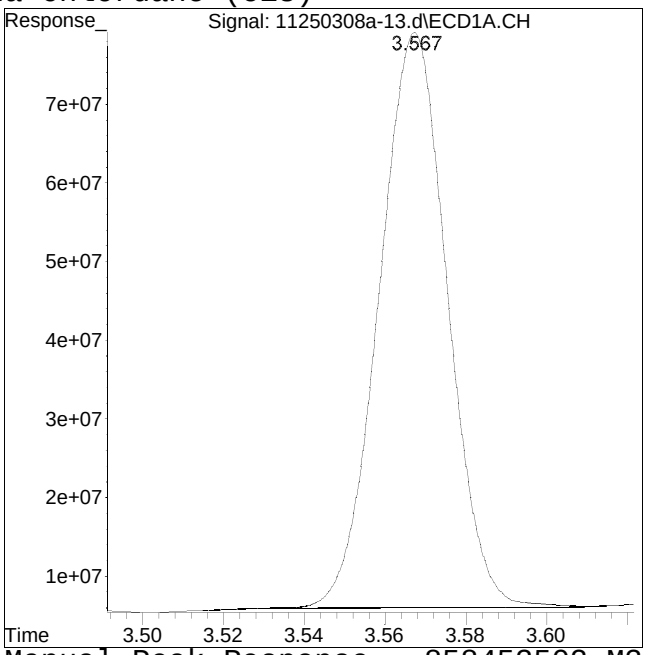
Original Peak Response = 413066473 Manual Peak Response = 397940537 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #14: alpha-Chlordane (cis)



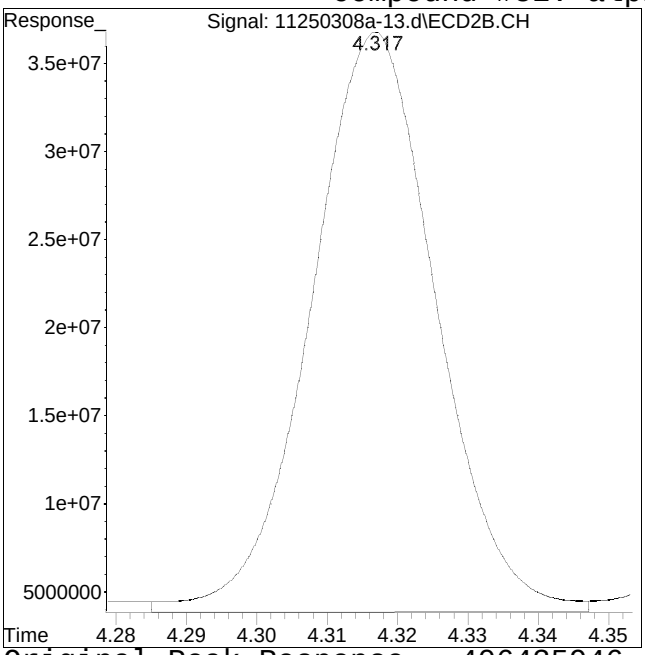


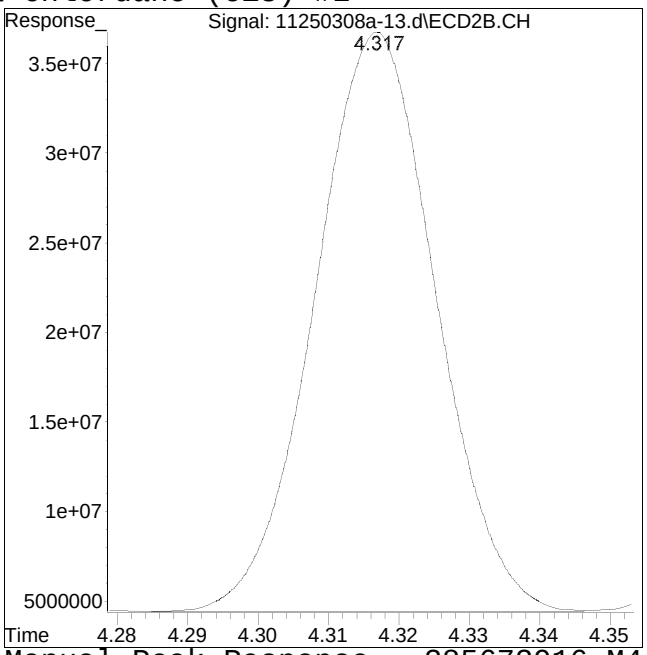
Original Peak Response = 892868045 Manual Peak Response = 858453502 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #52: alpha-Chlordane (cis) #2



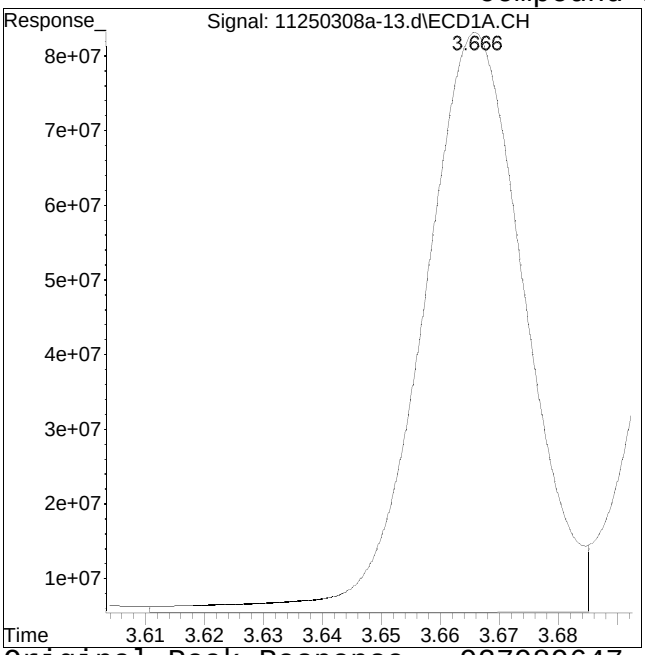


Original Peak Response = 406435946 Manual Peak Response = 385673916 M4
M4 = Poor automated baseline construction.

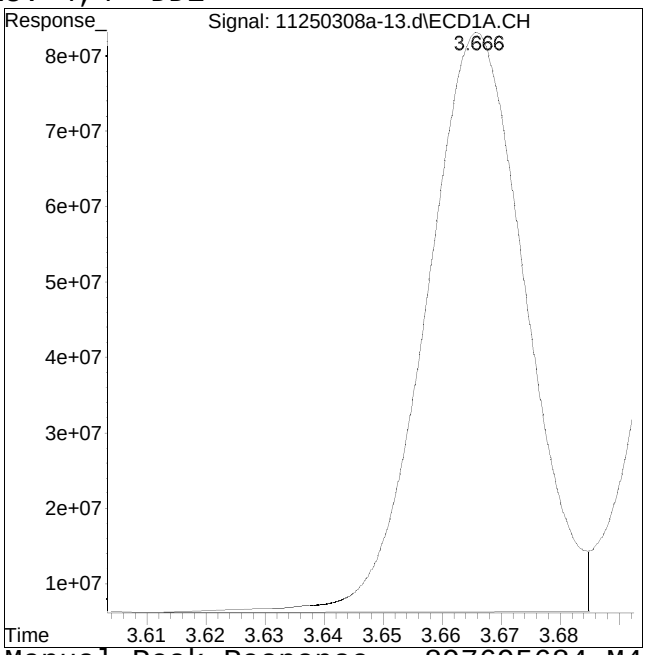
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #15: 4,4'-DDE



Original Peak Response = 927989647



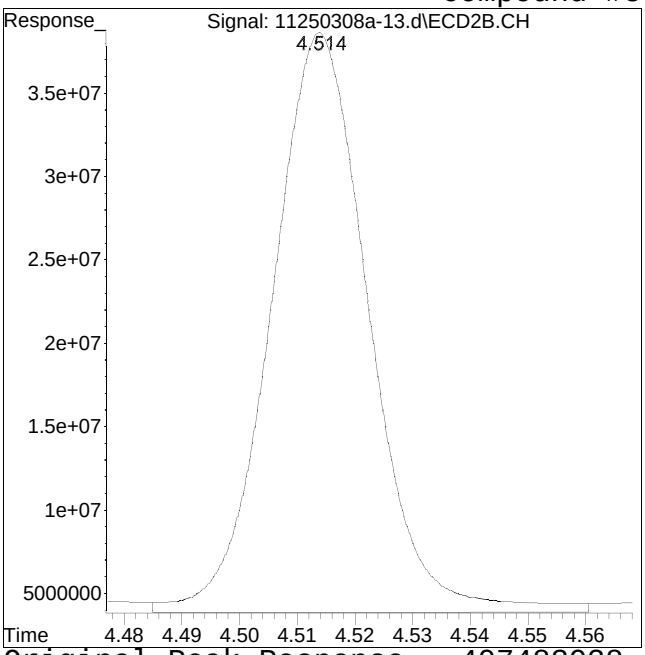
Manual Peak Response = 897695684 M4

M4 = Poor automated baseline construction.

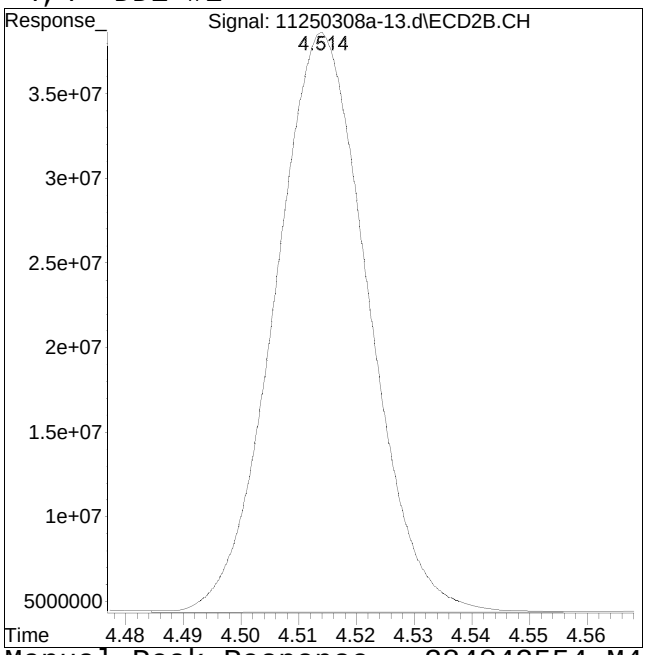
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #53: 4,4'-DDE #2



Original Peak Response = 407483938



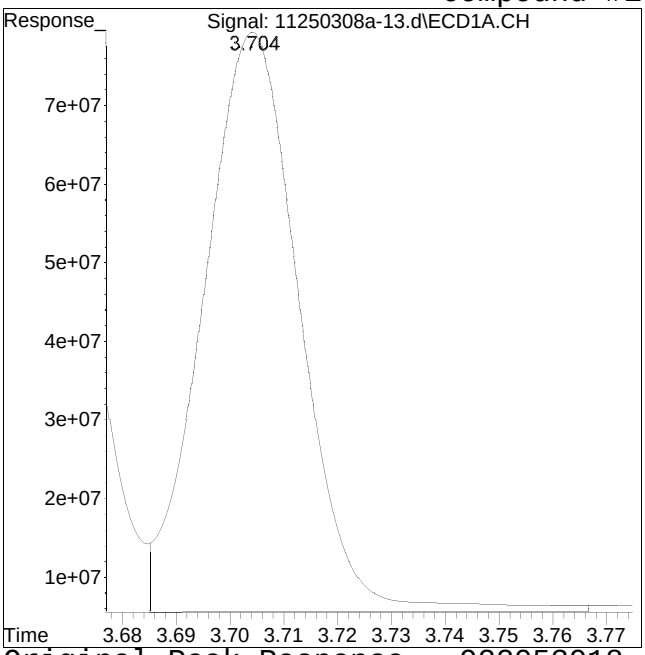
Manual Peak Response = 384842554 M4

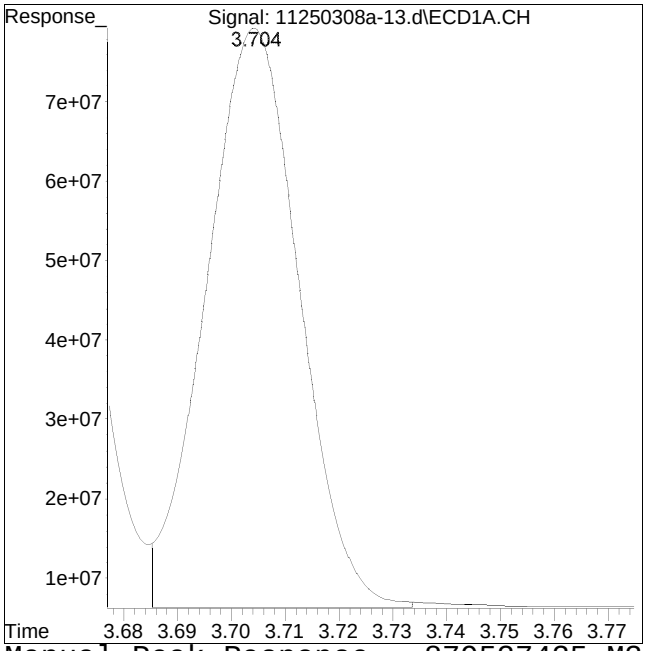
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #16: Endosulfan I



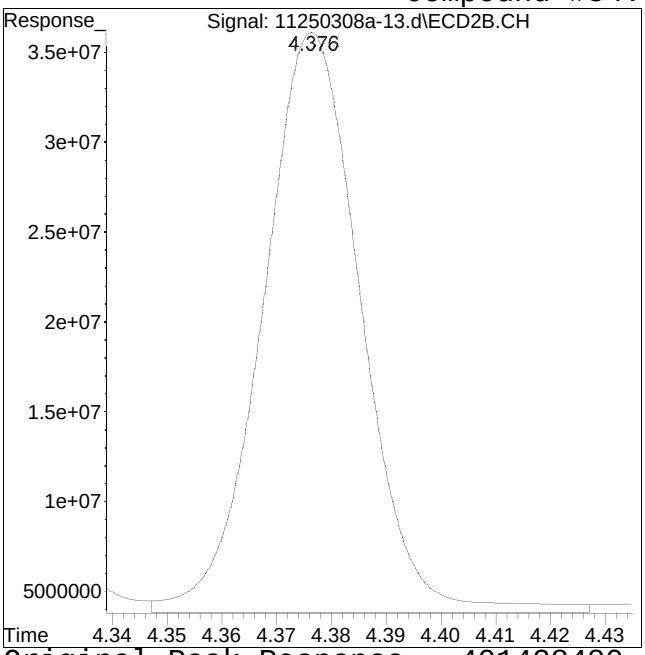


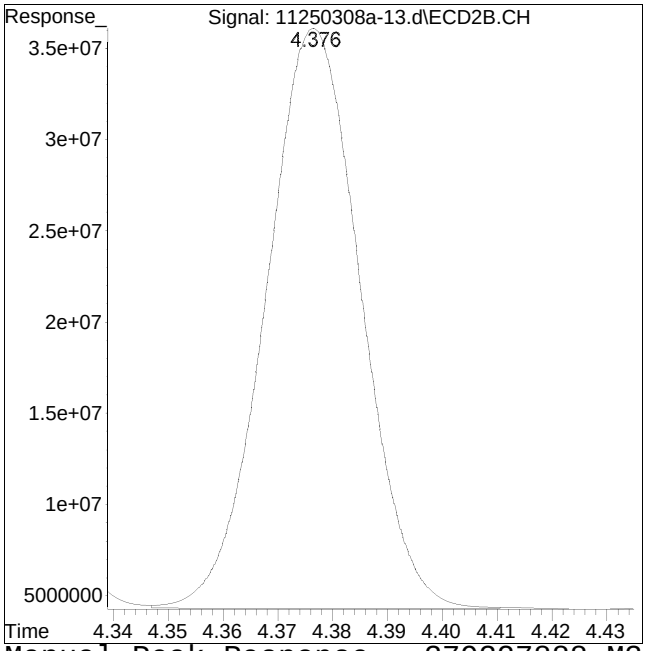
Original Peak Response = 922053918 Manual Peak Response = 879537435 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #54: Endosulfan I #2



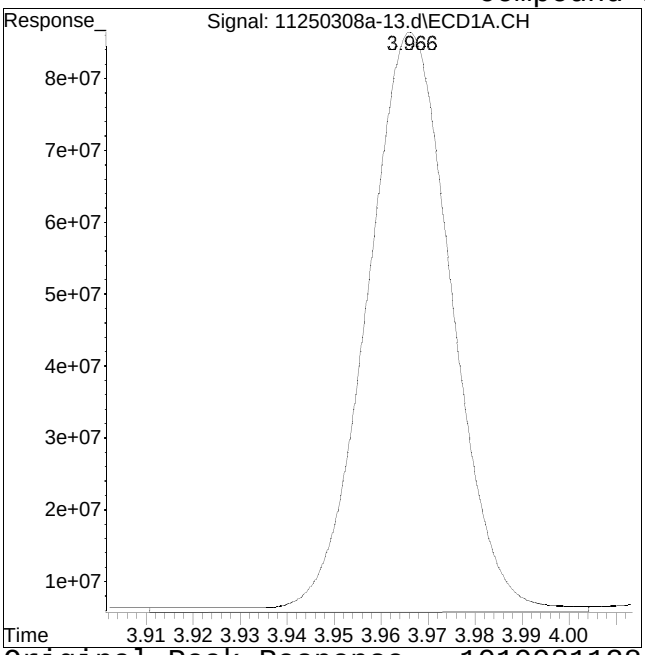


Original Peak Response = 401428480 Manual Peak Response = 379327888 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

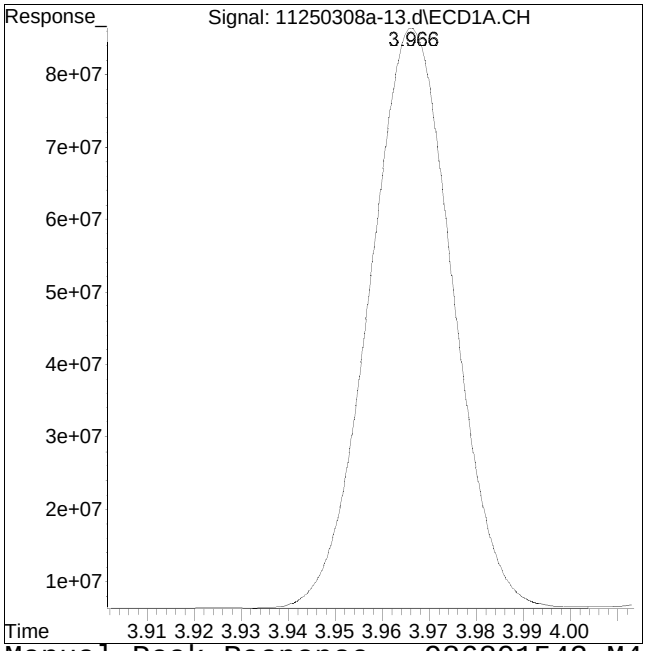
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #17: Dieldrin



Original Peak Response = 1019981128



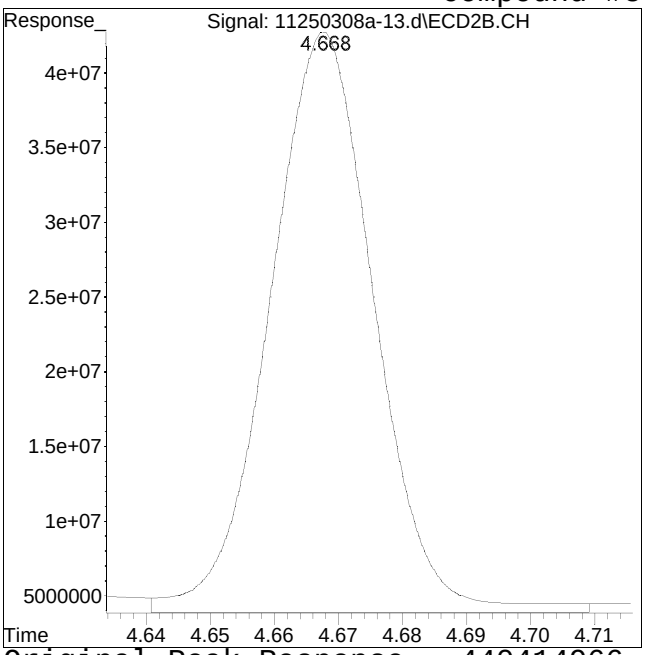
Manual Peak Response = 986801543 M4

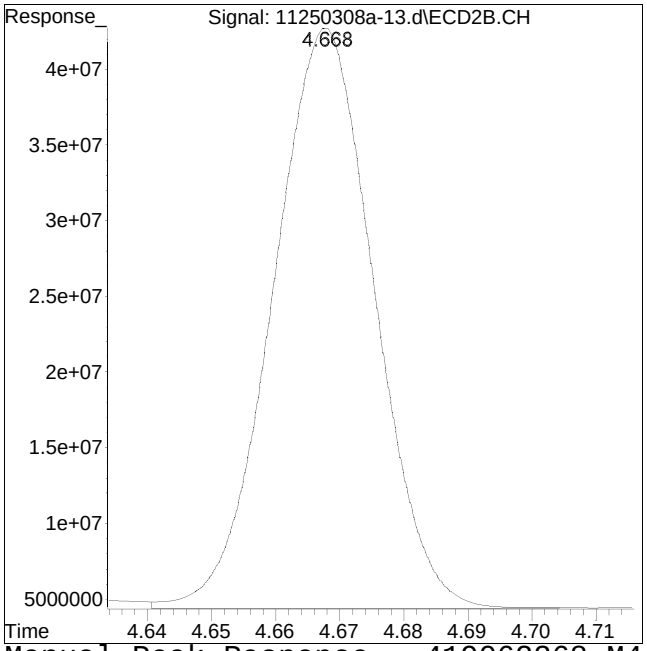
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #55: Dieldrin #2



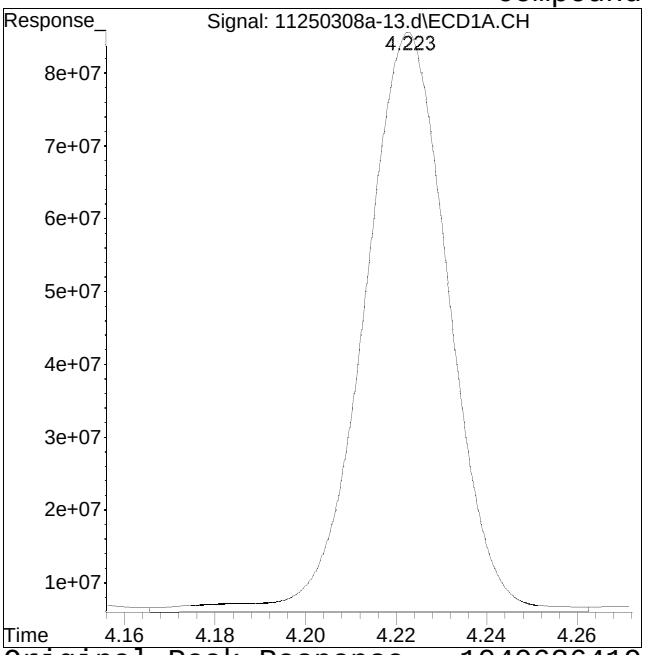


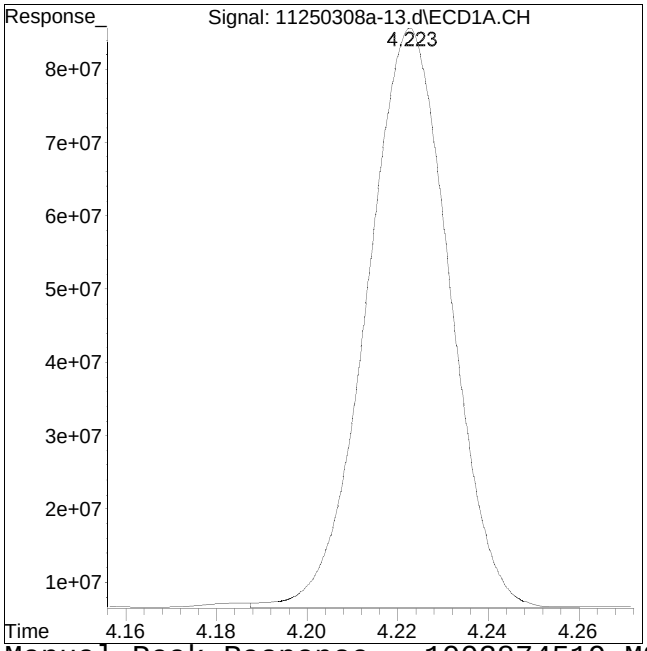
Original Peak Response = 440414966 Manual Peak Response = 419062268 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #18: Endrin



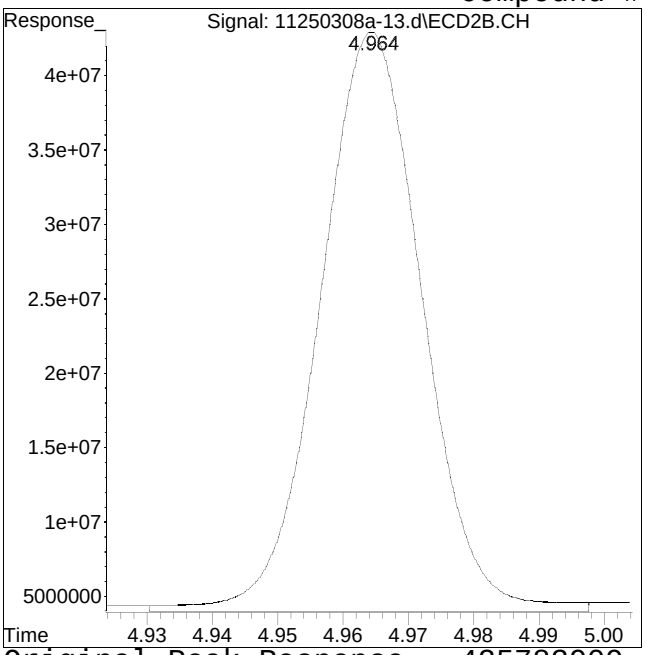


Original Peak Response = 1040636419 Manual Peak Response = 1003874519 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

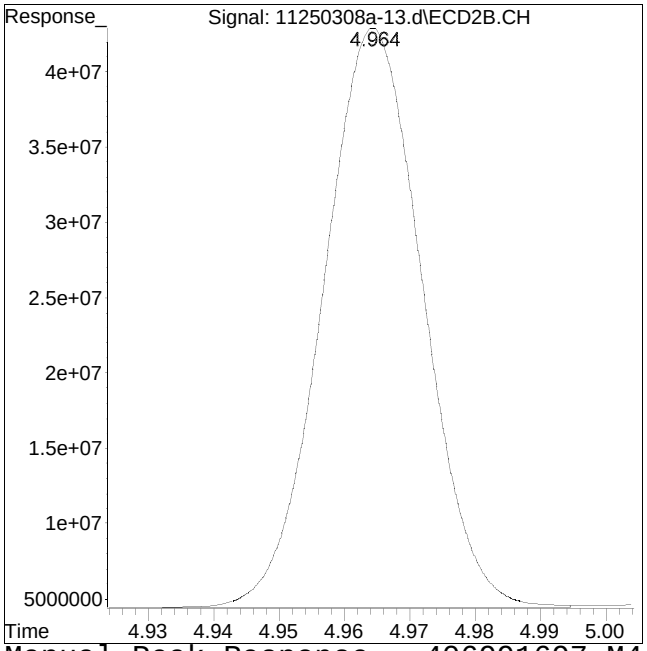
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #56: Endrin #2



Original Peak Response = 425783909



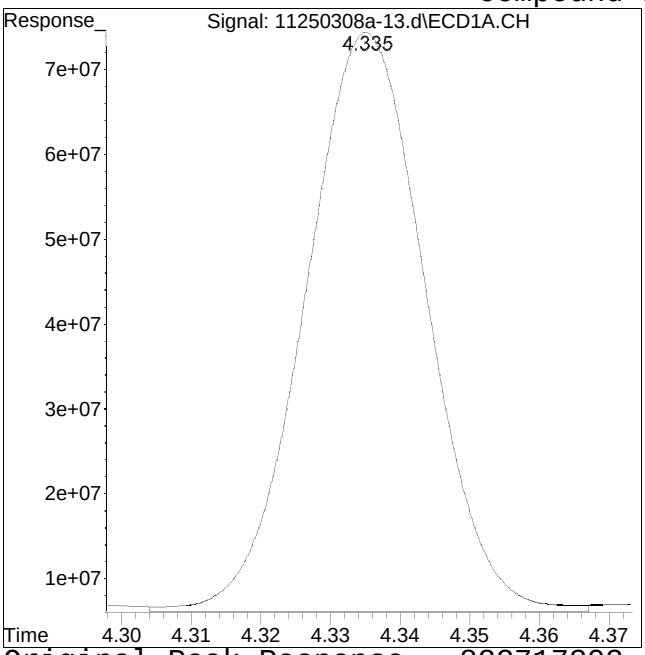
Manual Peak Response = 406991697 M4

M4 = Poor automated baseline construction.

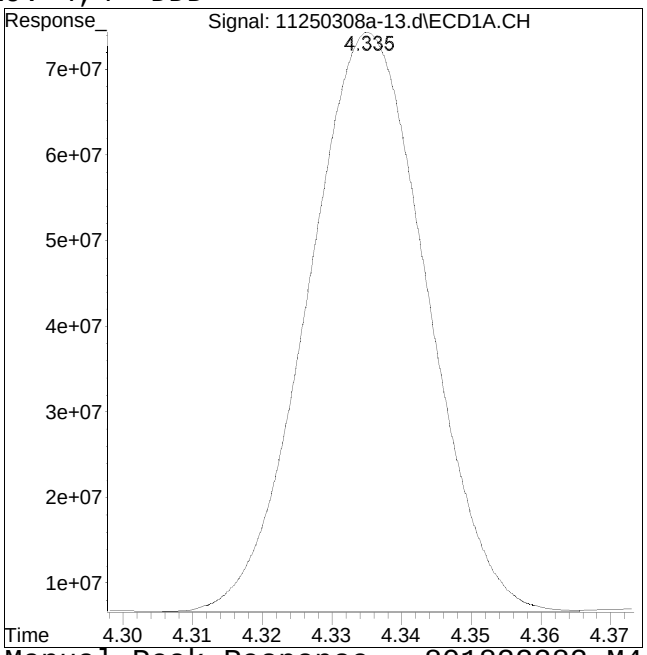
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #19: 4,4'-DDD



Original Peak Response = 822717303

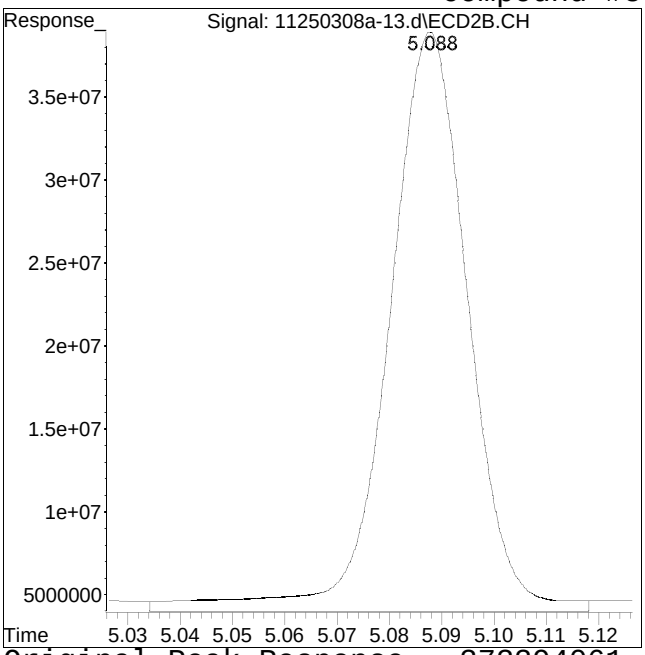


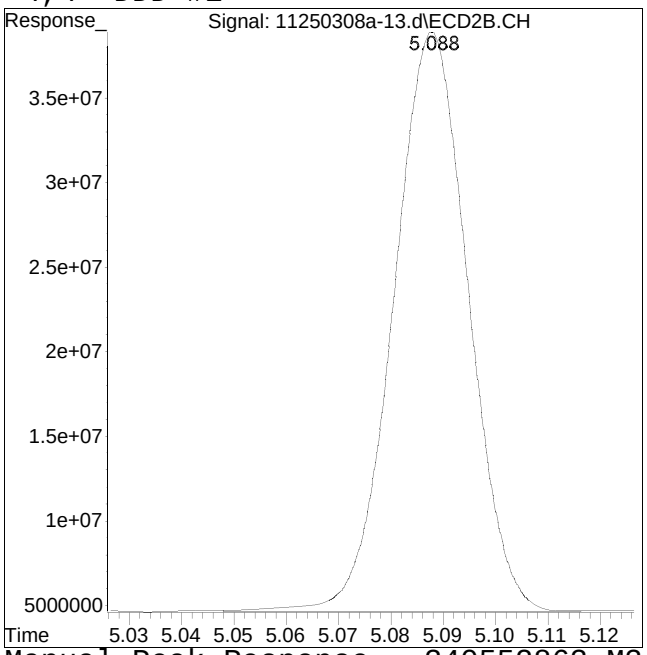
Manual Peak Response = 801822282 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #57: 4,4'-DDD #2



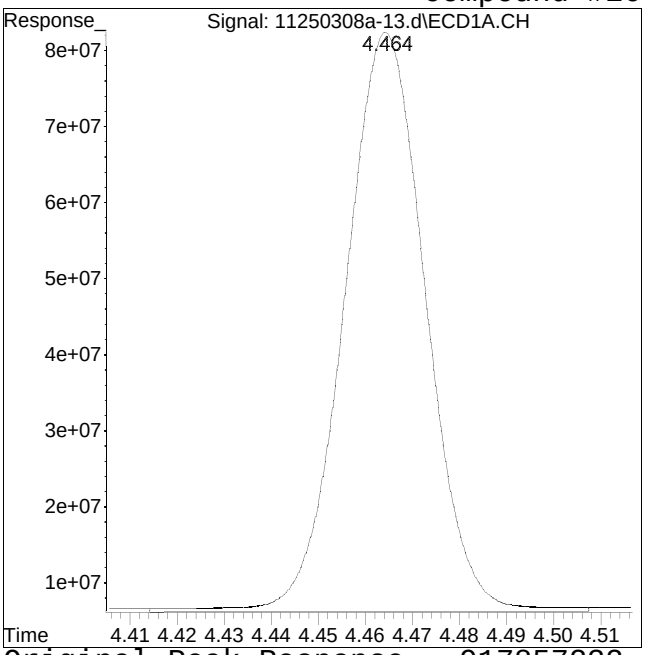


Original Peak Response = 373394061 Manual Peak Response = 340552863 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

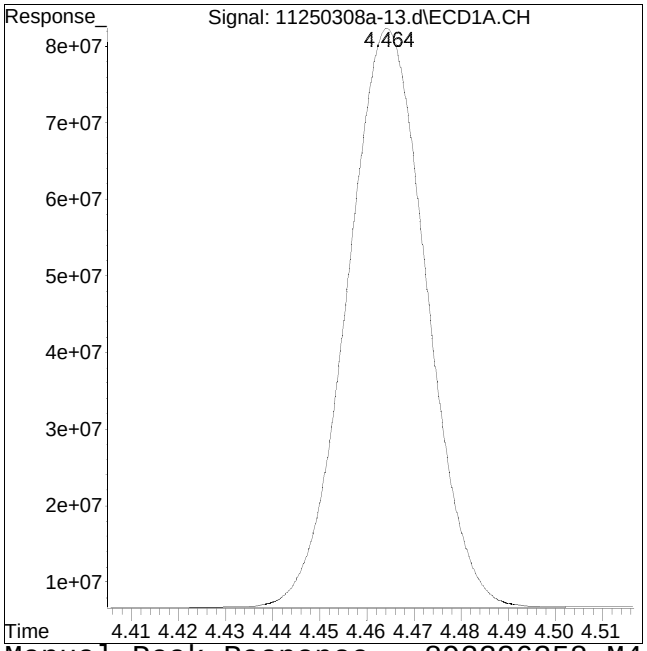
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #20: Endosulfan II



Original Peak Response = 917857232



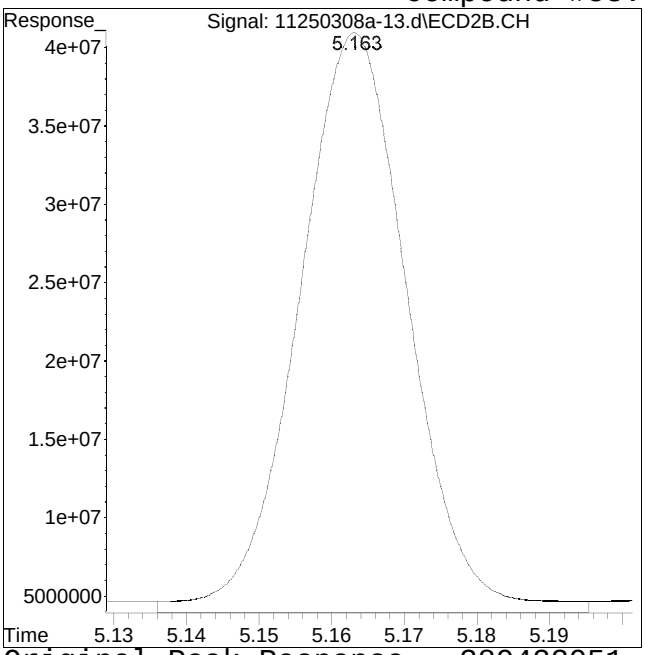
Manual Peak Response = 892336358 M4

M4 = Poor automated baseline construction.

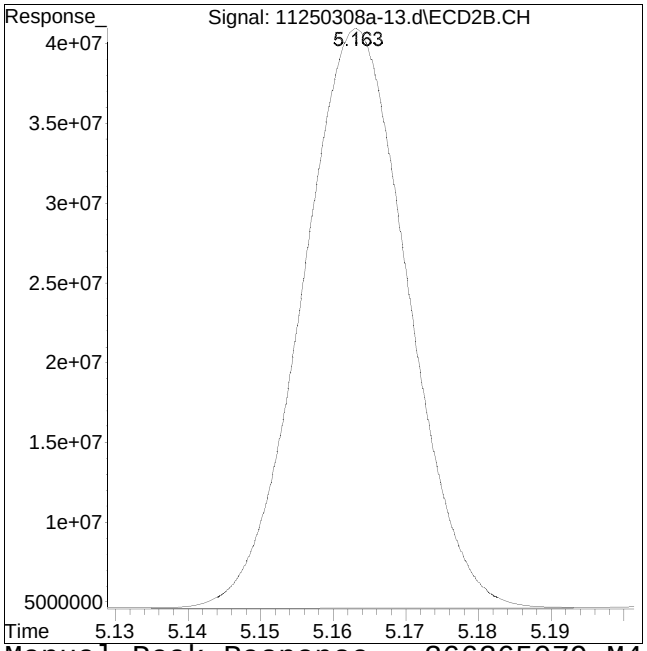
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #58: Endosulfan II #2



Original Peak Response = 389422951



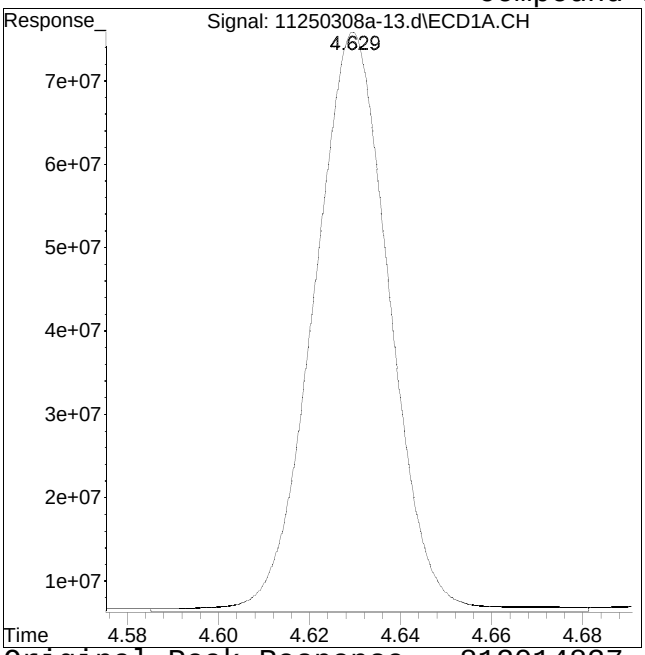
Manual Peak Response = 366365079 M4

M4 = Poor automated baseline construction.

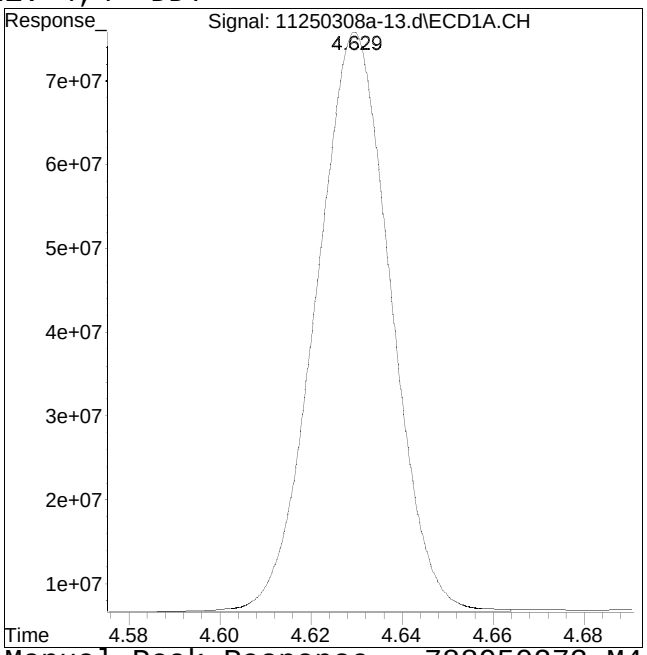
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #21: 4,4'-DDT



Original Peak Response = 812014837



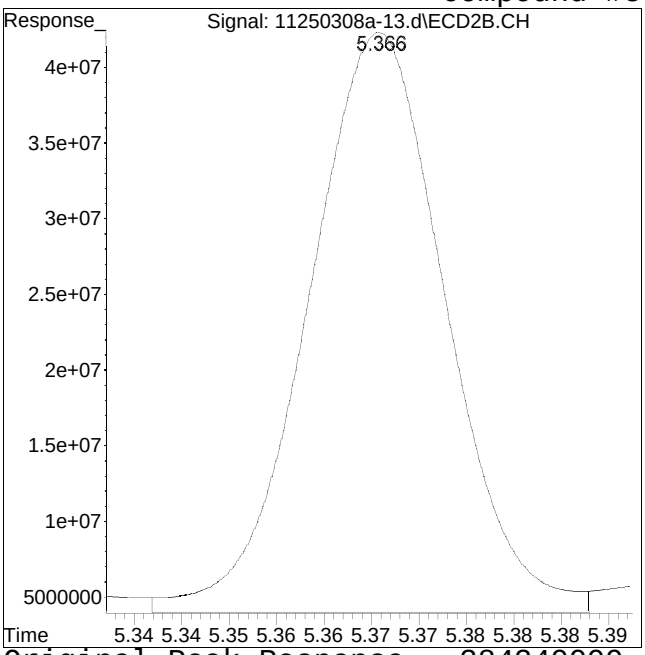
Manual Peak Response = 788950273 M4

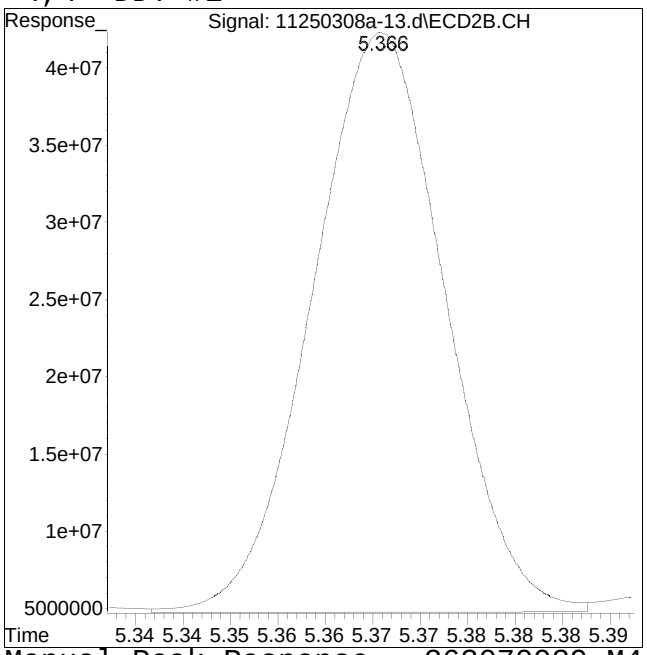
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #59: 4,4'-DDT #2



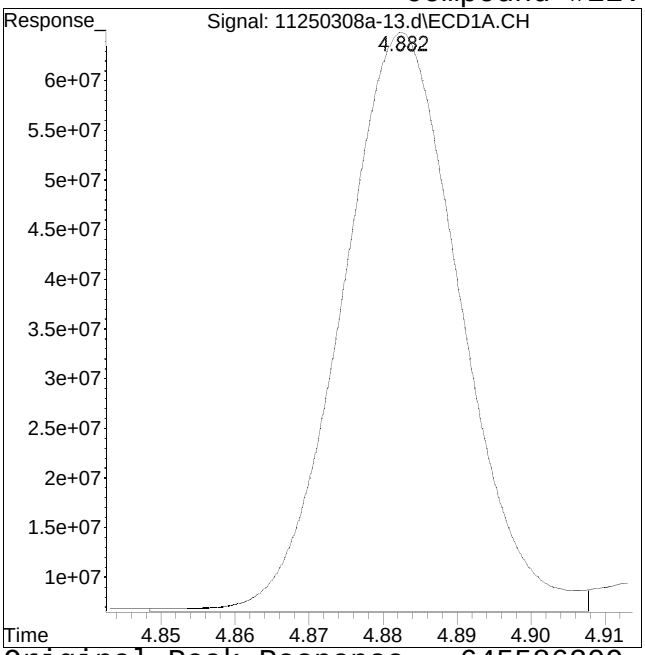


Original Peak Response = 384349999 Manual Peak Response = 363070939 M4
M4 = Poor automated baseline construction.

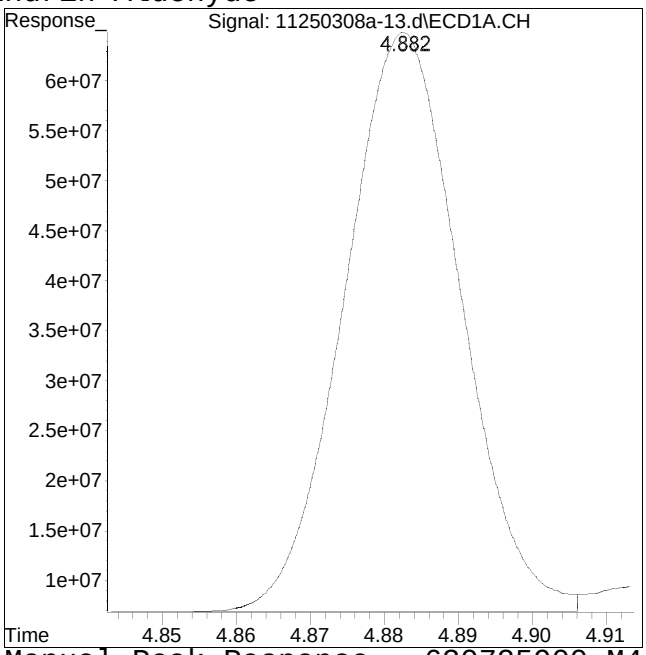
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #22: Endrin Aldehyde



Original Peak Response = 645586309



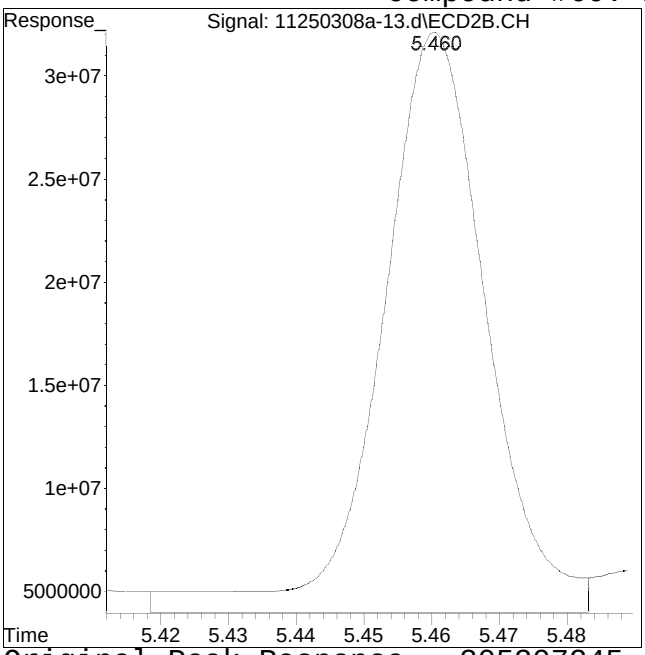
Manual Peak Response = 630725900 M4

M4 = Poor automated baseline construction.

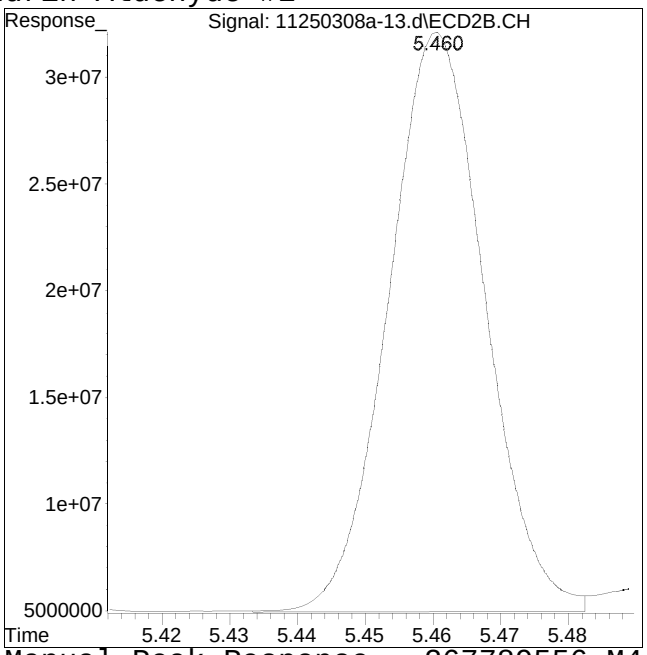
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #60: Endrin Aldehyde #2



Original Peak Response = 305307245



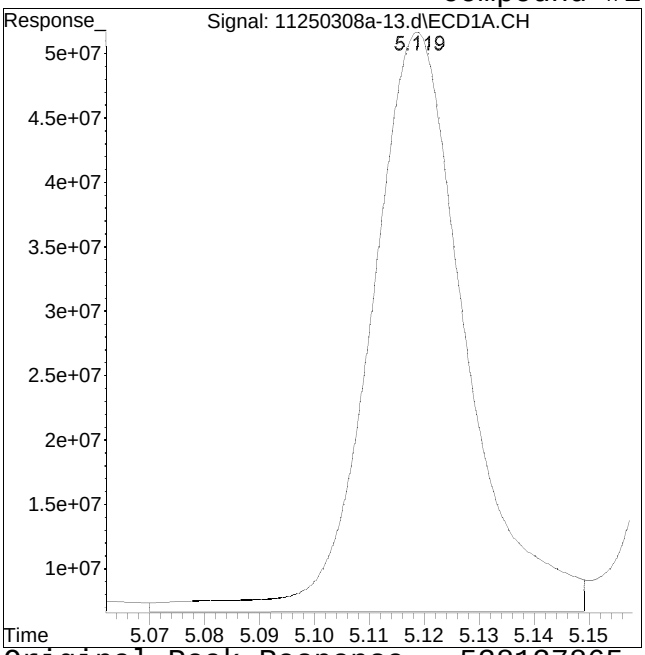
Manual Peak Response = 267789556 M4

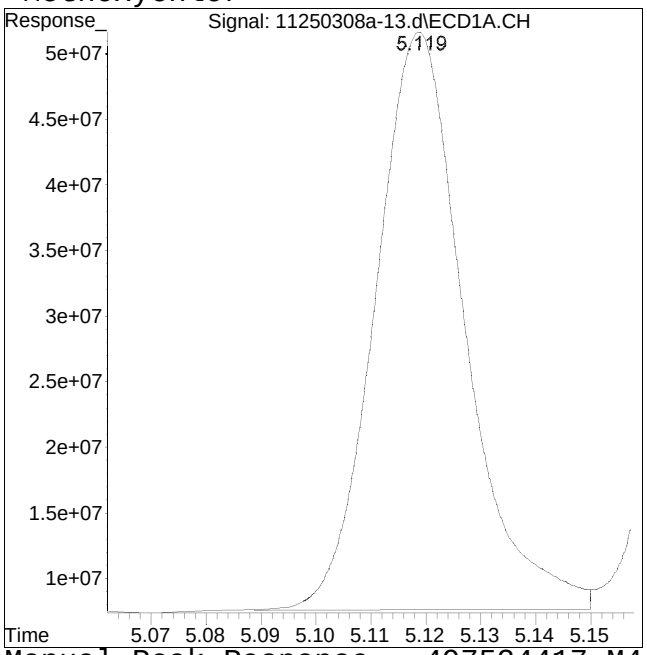
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #23: Methoxychlor



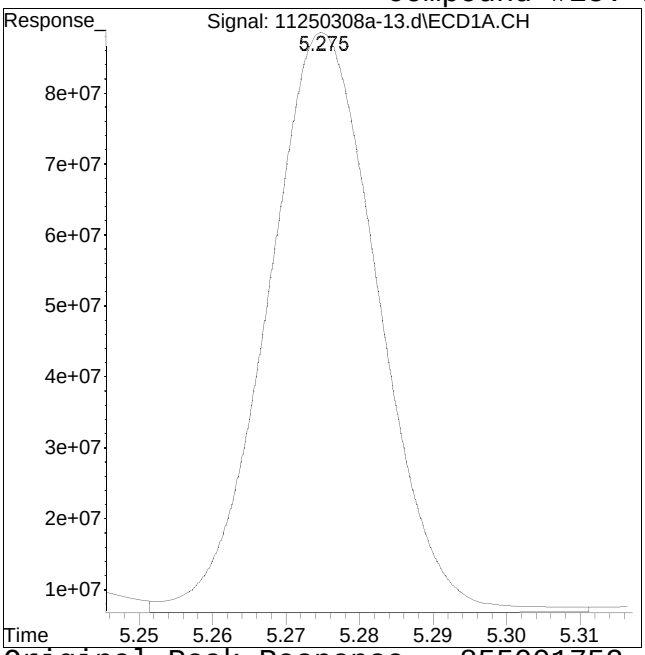


Original Peak Response = 538137865 Manual Peak Response = 497524417 M4
M4 = Poor automated baseline construction.

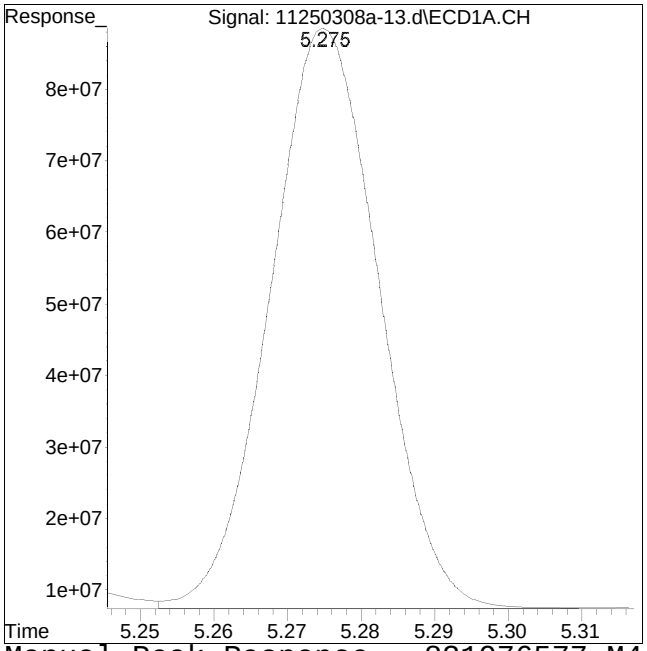
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #25: Endosulfan Sulfate



Original Peak Response = 855001752



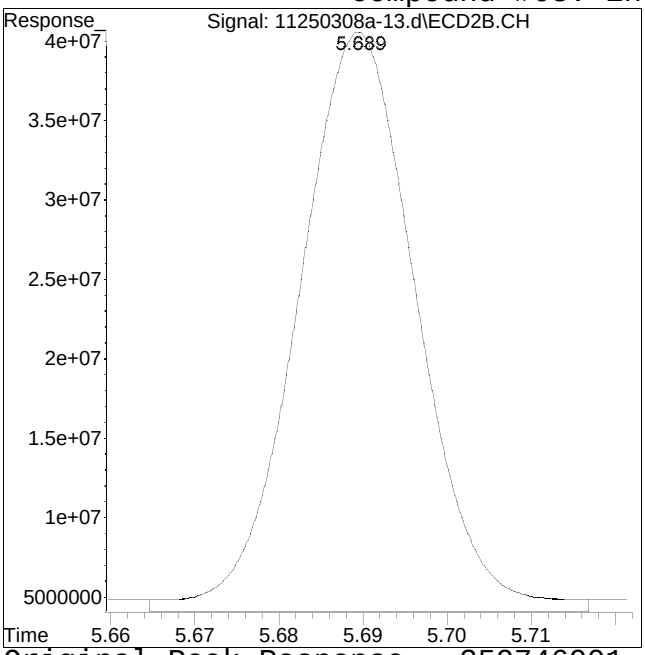
Manual Peak Response = 831976577 M4

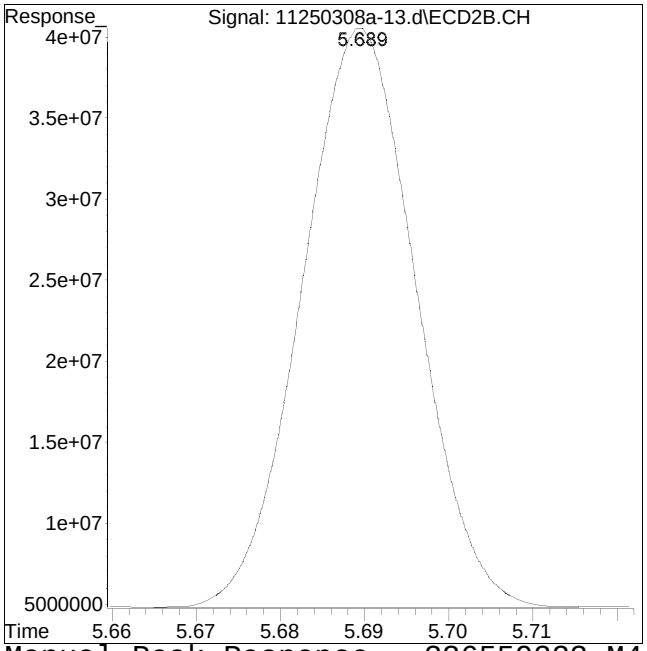
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #63: Endosulfan Sulfate #2



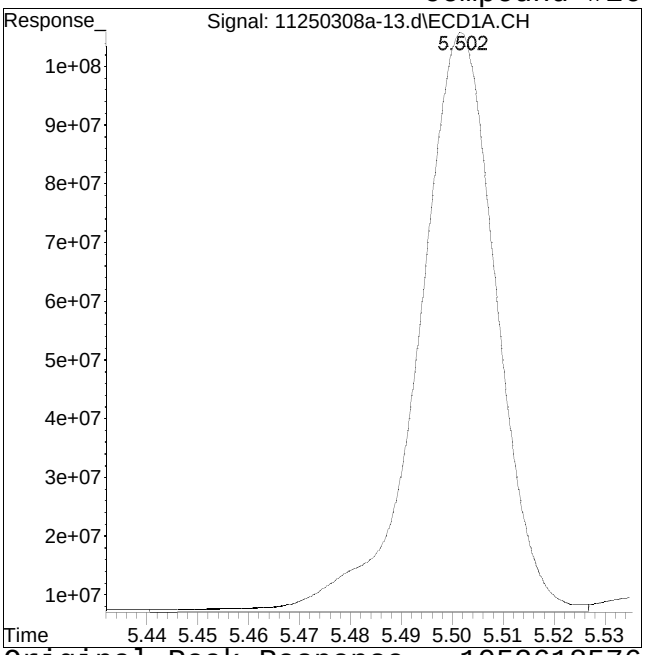


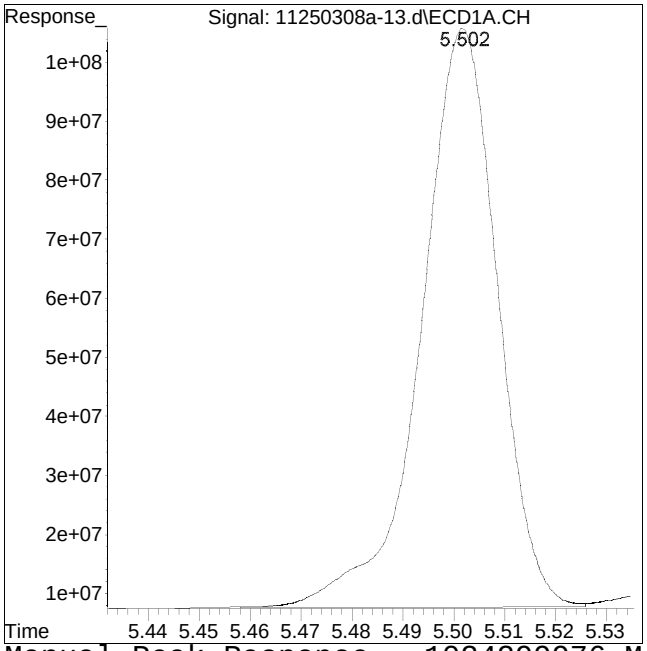
Original Peak Response = 359746901 Manual Peak Response = 336559223 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #26: Endrin Ketone



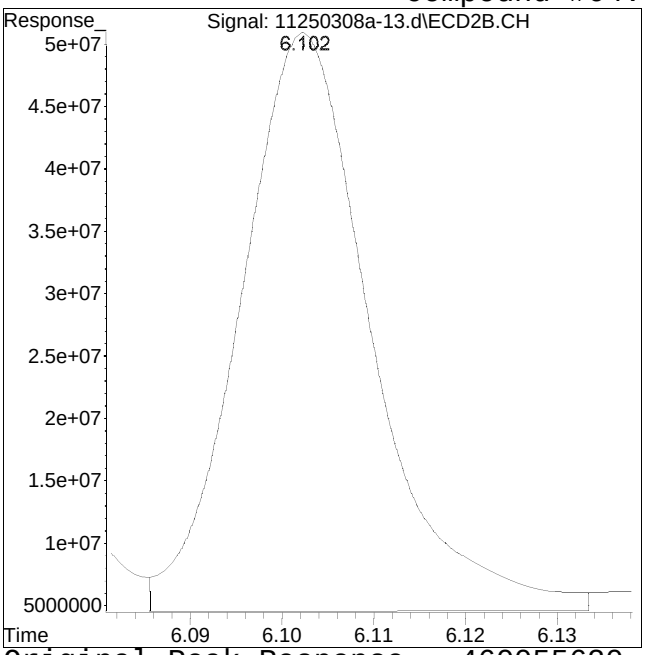


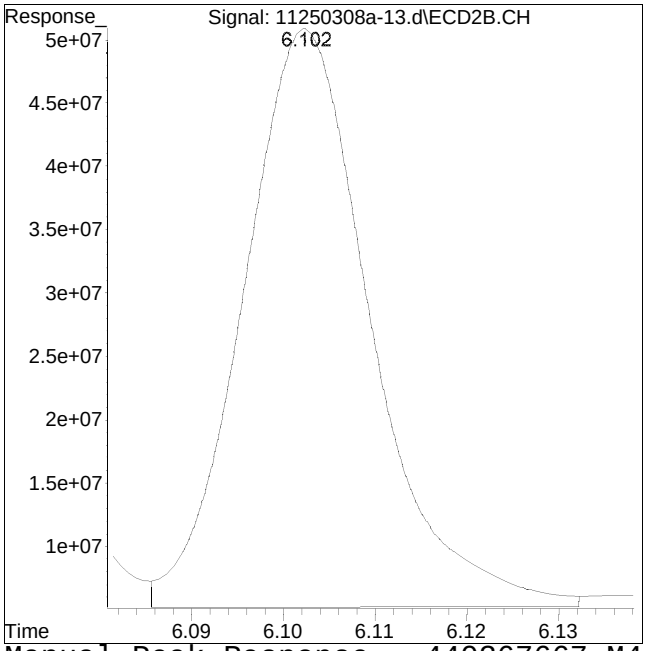
Original Peak Response = 1052618576 Manual Peak Response = 1024299976 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #64: Endrin Ketone #2



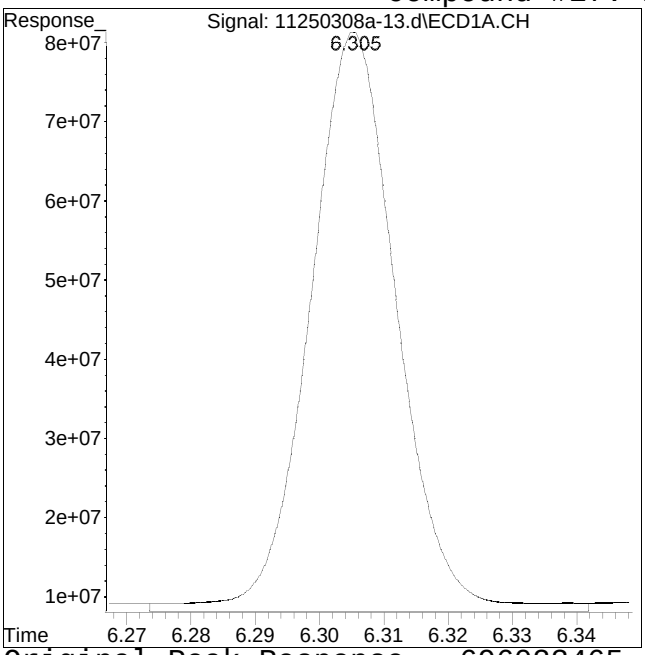


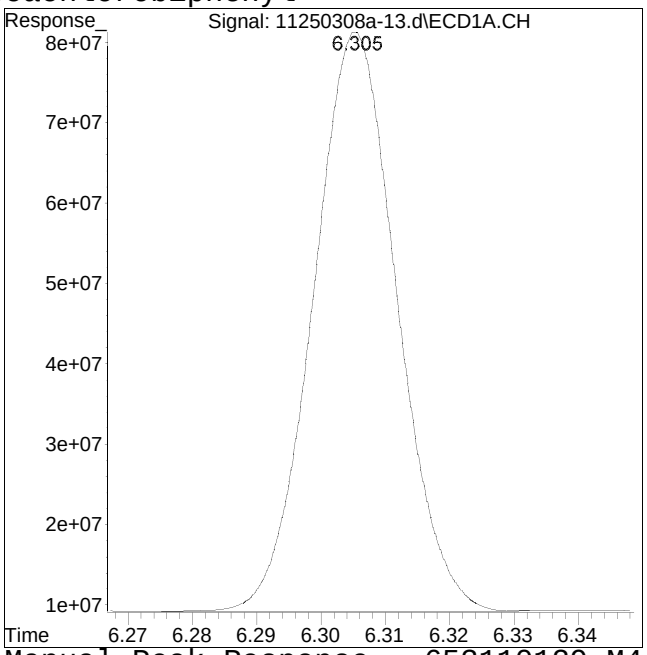
Original Peak Response = 460055620 Manual Peak Response = 440367667 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #27: Decachlorobiphenyl



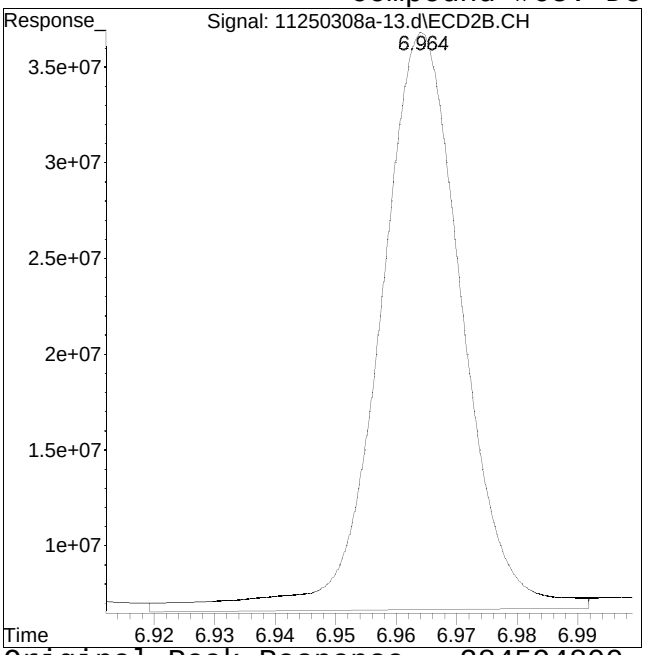


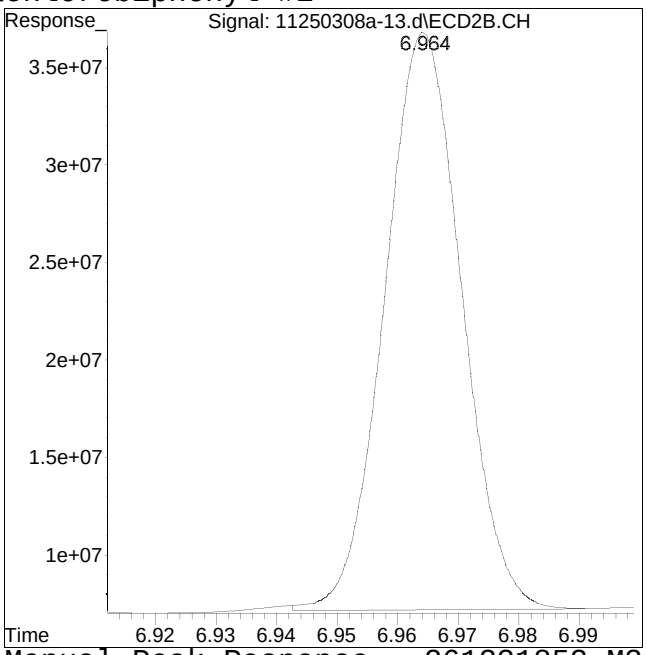
Original Peak Response = 696023465 Manual Peak Response = 653110129 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-13.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:36 am Instrument : Pest 11
Sample : WG2037965-4,42,, rvt ms Quant Date : 3/8/2025 12:15 pm

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 284594800 Manual Peak Response = 261231852 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-14.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 8:47 am
Operator : PEST11:peg
Sample : WG2037965-5,42,, rvt msd (Sig #1); WG2037965-5,42,, rvt dup (Sig #2)
Misc : wg2038031,WG2037965,ical21853
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 12:15:39 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:00:56 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2025\250308A\11250308a-03.d
Sub List : LCS_MS - spk only

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.293	1.371	421.7E6	205.7E6	25.000M4	25.000
	Standard Area 1 : #1 = 378270952				Recovery = 111.48%		
	Standard Area 1 : #2 = 220505210				Recovery = 93.27%		
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.640	1.857	711.0E6	317.4E6	34.731M3	36.948M3
	Spiked Amount 50.000	Range 30 - 150		Recovery = 69.46%		73.90%	
27) s	Decachlorobi	6.305	6.964	623.9E6	242.9E6	32.162M3	32.031M4
	Spiked Amount 50.000	Range 30 - 150		Recovery = 64.32%		64.06%	
Target Compounds							
4) t	alpha-BHC	1.955	2.281	1150.9E6	495.0E6	41.954M3	41.313M4
5) t	gamma-BHC (l	2.160	2.572	1098.8E6	484.6E6	43.686M4	42.033M4
6) t	beta-BHC	2.217	2.638	477.8E6	204.2E6	40.841M3	41.962M3
7) t	delta-BHC	2.347	2.909	890.5E6	345.0E6	35.179M3	30.365M4
8) t	Heptachlor	2.511	2.976	903.9E6	413.0E6	38.222M3	35.727M4
9) t	Aldrin	2.756	3.300	868.2E6	379.2E6	36.778M4	36.721M4
12) t	Heptachlor E	3.306	3.924	915.3E6	375.2E6	40.975M4	35.920M3
13) t	gamma-Chlord	3.431	4.147	905.0E6	388.9E6	41.937M3	41.808M4
14) t	alpha-Chlord	3.567	4.317	852.4E6	378.4E6	34.829M3	36.550M4
15) t	4,4'-DDE	3.666	4.514	872.6E6	373.0E6	38.978M4	38.489M4
16) t	Endosulfan I	3.704	4.376	873.2E6	365.6E6	40.762M4	38.018M4
17) t	Dieldrin	3.966	4.667	970.9E6	405.8E6	43.747M3	42.437M3
18) t	Endrin	4.223	4.964	959.0E6	388.3E6	44.600M3	40.391M4
19) t	4,4'-DDD	4.335	5.087	785.5E6	328.2E6	46.406M4	42.197M4
20) t	Endosulfan I	4.463	5.163	866.2E6	352.2E6	43.348M4	39.862M4
21) t	4,4'-DDT	4.628	5.365	834.5E6	352.5E6	45.444M3	39.793M3

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-14.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 8:47 am
Operator : PEST11:peg
Sample : WG2037965-5,42,, rvt msd (Sig #1); WG2037965-5,42,, rvt dup (Sig #2)
Misc : wg2038031,WG2037965,ical21853
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 12:15:39 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:00:56 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2025\250308A\11250308a-03.d
Sub List : LCS_MS - spk only

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
22) t Endrin Aldeh	4.882	5.460	588.3E6	245.7E6	35.493M4	34.142M4
23) t Methoxychlor	5.118	5.932	466.8E6	141.0E6	45.064M3	27.872
25) t Endosulfan S	5.275	5.689	812.2E6	330.0E6	40.728M4	37.925M4
26) t Endrin Keton	5.502	6.102	983.1E6	413.5E6	49.428	45.284M3
Sum chlordane-1			0	0	N.D.	N.D.
Average chlordane-1					0.000	0.000
Sum toxaphene-2			0	0	N.D.	N.D.
Average toxaphene-2					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum toxaphene-2			0	0	N.D.	N.D.
Average toxaphene-2					0.000	0.000

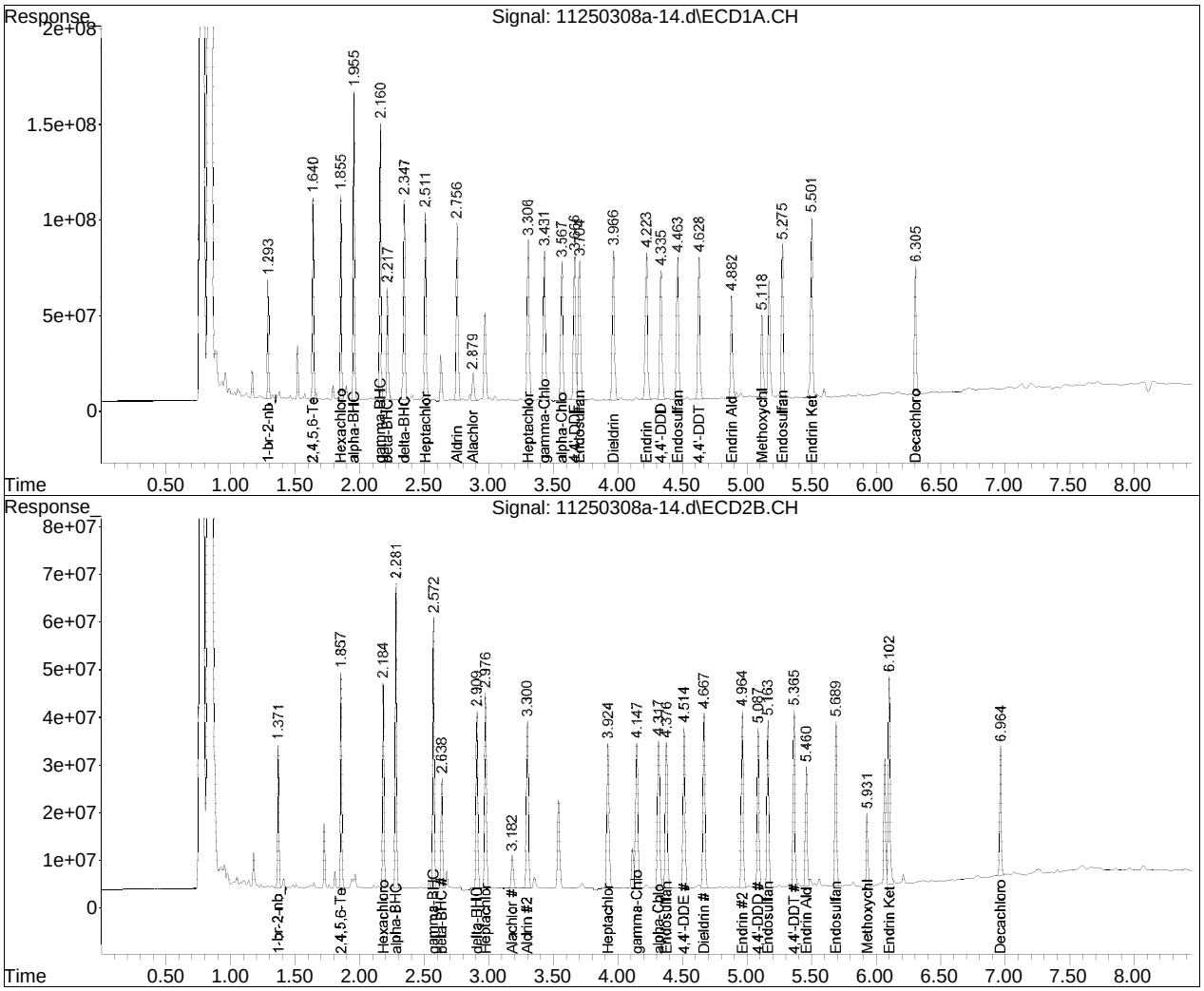
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : LCS_MS - spk only1\2025\250308A\11250308a-03.d•

Data Path : I:\PEST\Pest11\2025\250308A\
Data File : 11250308a-14.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Mar 2025 8:47 am
Operator : PEST11:peg
Sample : WG2037965-5,42,, rvt msd (Sig #1); WG2037965-5,42,, rvt dup (S
Misc : wg2038031,WG2037965,ical21853
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 12:15:39 2025
Quant Method : I:\PEST\Pest11\2025\250308A\pest11_01_06_25_ugL_ICAL21853.M
Quant Title : pest
QLast Update : Sat Mar 08 07:00:56 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

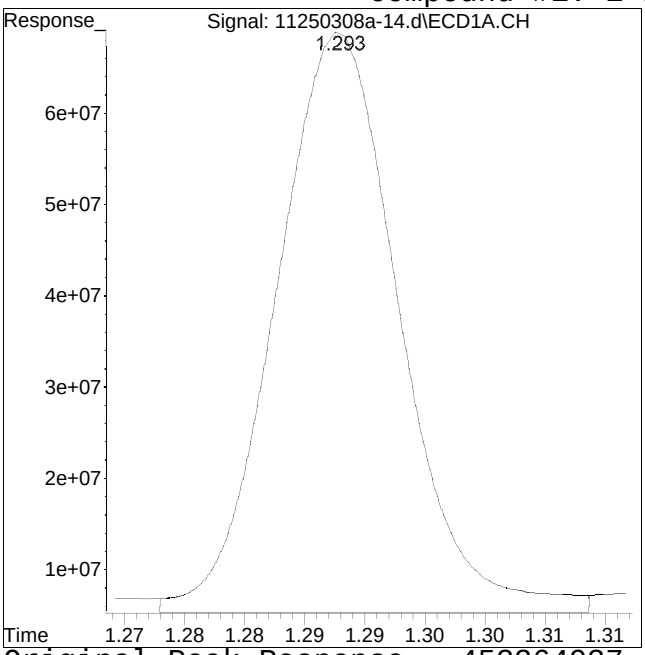
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

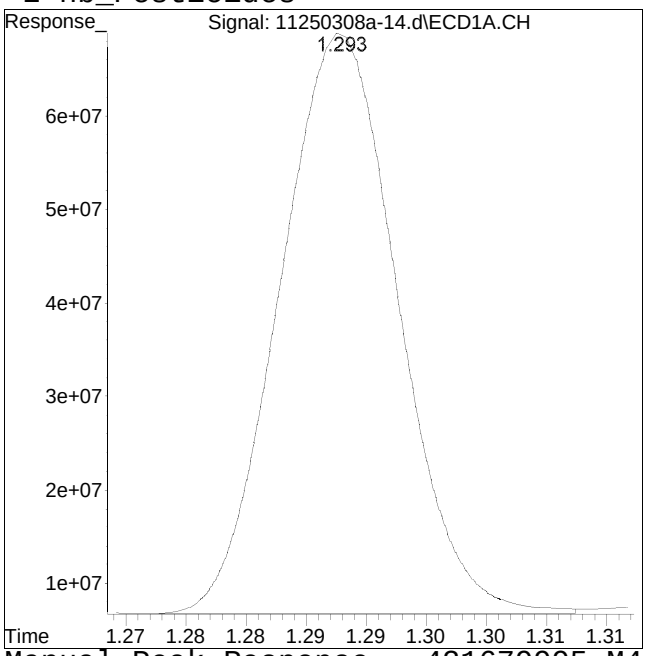


Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-14.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:47 am Instrument : Pest 11
Sample : WG2037965-5,42,, rvt msdQuant Date : 3/8/2025 12:15 pm

Compound #1: 1-br-2-nb_Pesticides





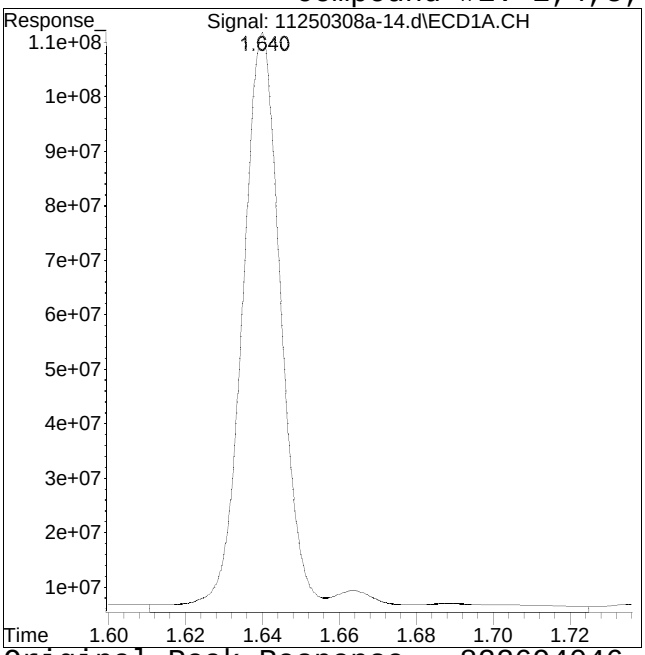
Original Peak Response = 453364937 Manual Peak Response = 421679995 M4
M4 = Poor automated baseline construction.

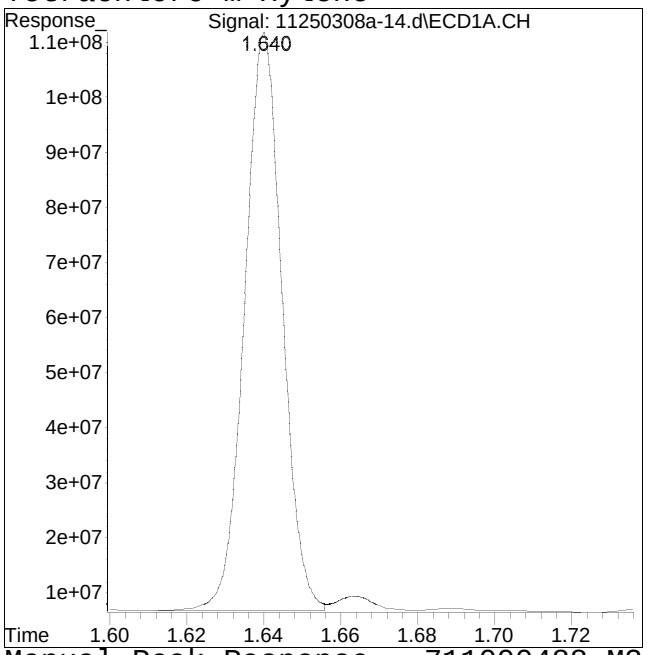
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308Q
Data File : 11250308a-14.d
Date Inj'd : 3/8/2025 8:47 am
Sample : WG2037965-5,42,, rvt

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:peg
Instrument : Pest 11
msdQuant Date : 3/8/2025 12:15 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene





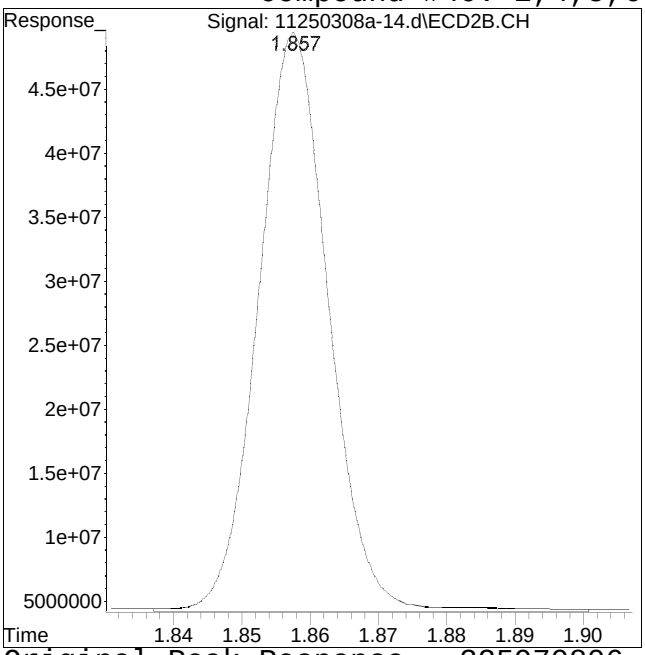
Original Peak Response = 822694046 Manual Peak Response = 711000488 M3

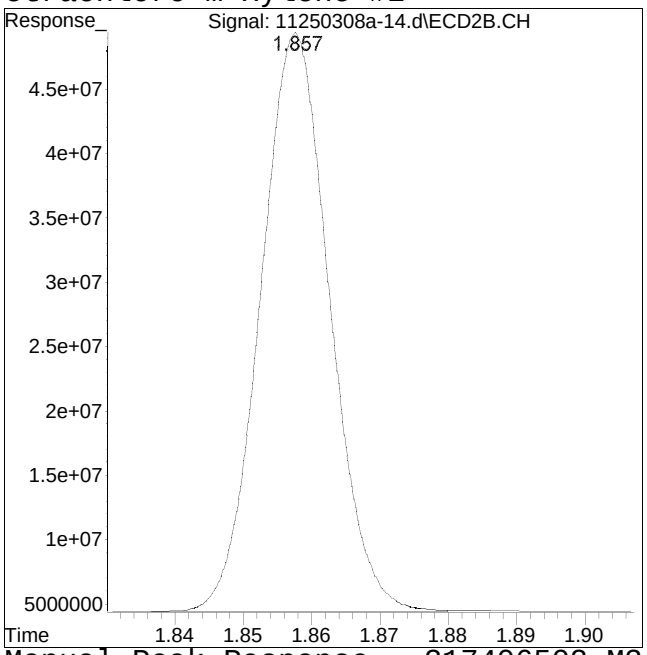
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-14.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:47 am Instrument : Pest 11
Sample : WG2037965-5,42,, rvt msdQuant Date : 3/8/2025 12:15 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



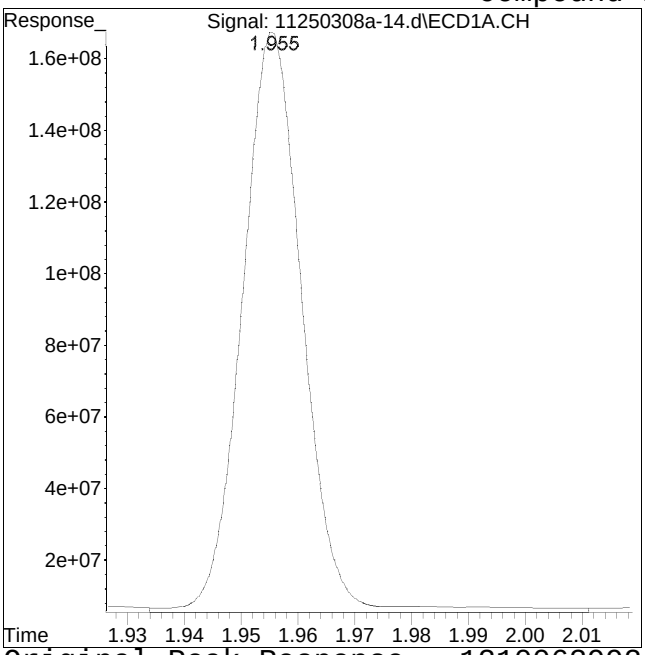


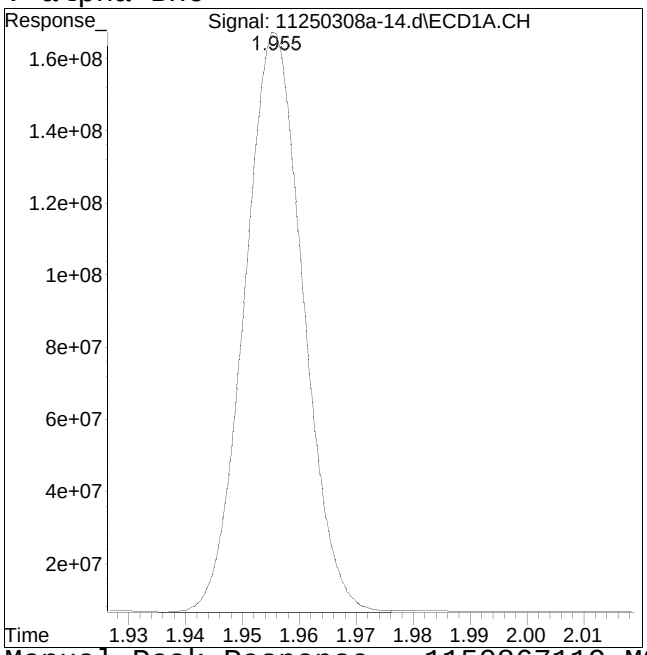
Original Peak Response = 325970806 Manual Peak Response = 317406502 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-14.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:47 am Instrument : Pest 11
Sample : WG2037965-5,42,, rvt msdQuant Date : 3/8/2025 12:15 pm

Compound #4: alpha-BHC



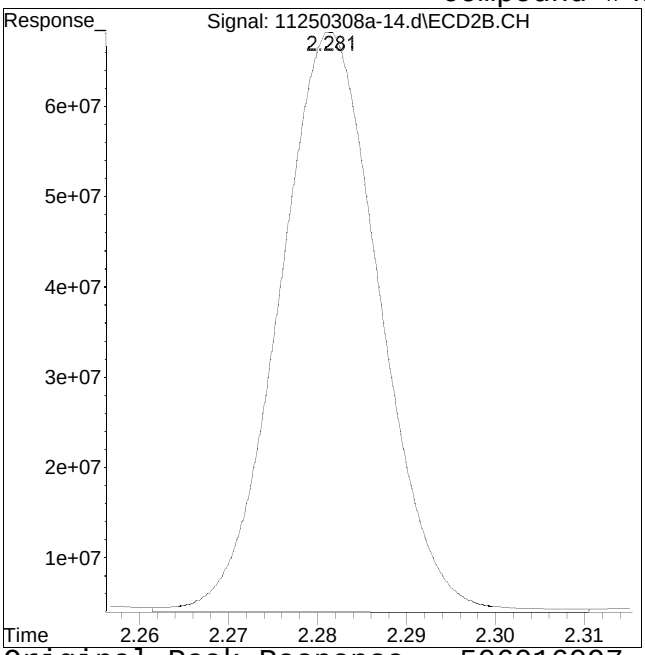


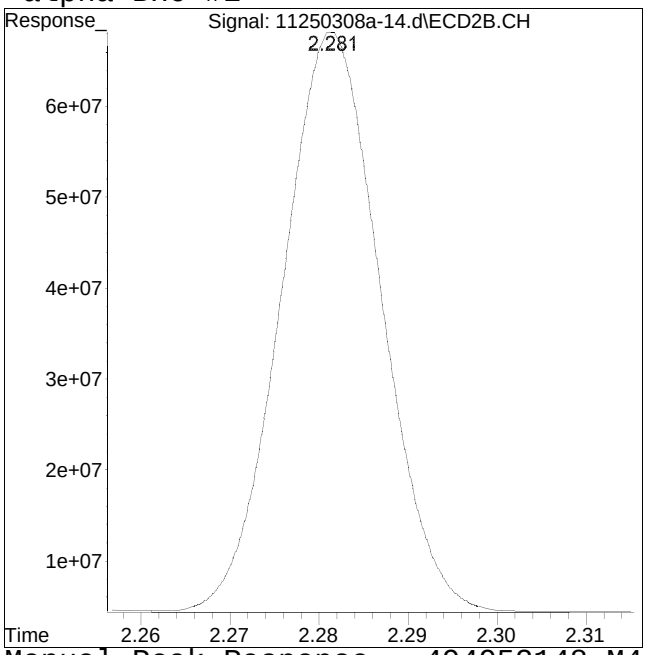
Original Peak Response = 1210063992 Manual Peak Response = 1150867119 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308Q Method : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-14.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:47 am Instrument : Pest 11
Sample : WG2037965-5,42,, rvt msdQuant Date : 3/8/2025 12:15 pm

Compound #42: alpha-BHC #2



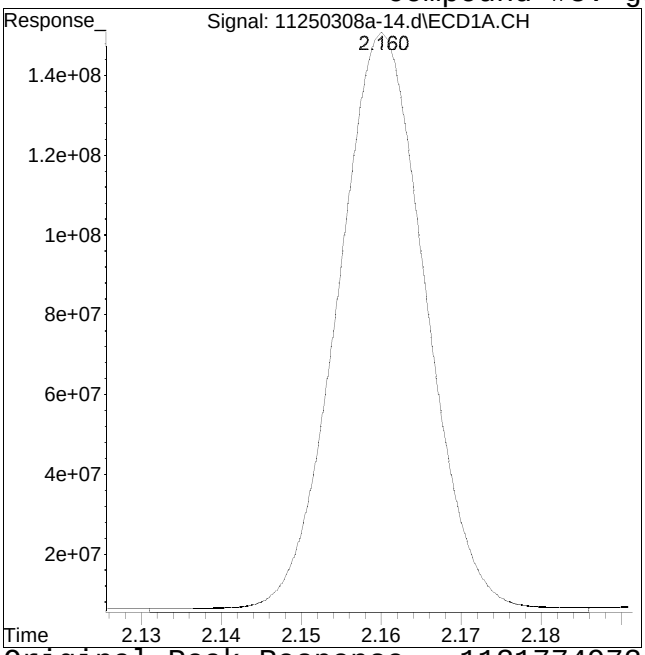


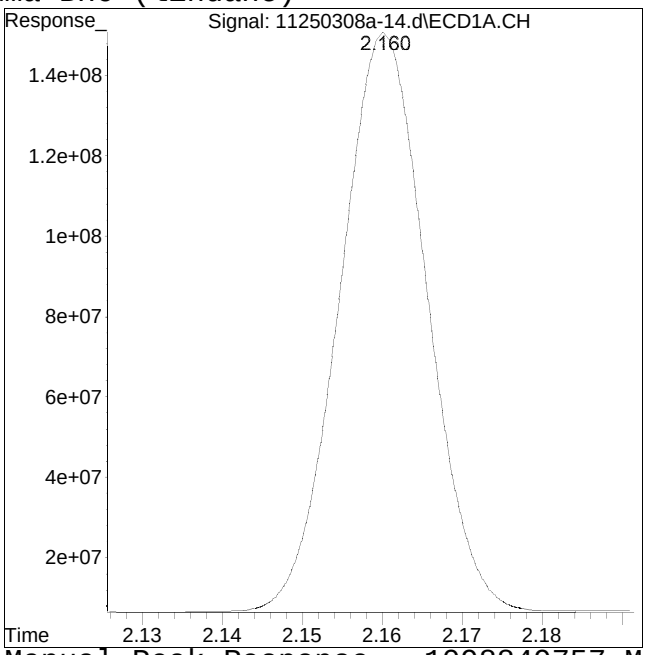
Original Peak Response = 506016997 Manual Peak Response = 494952148 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-14.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:47 am Instrument : Pest 11
Sample : WG2037965-5,42,, rvt msdQuant Date : 3/8/2025 12:15 pm

Compound #5: gamma-BHC (lindane)



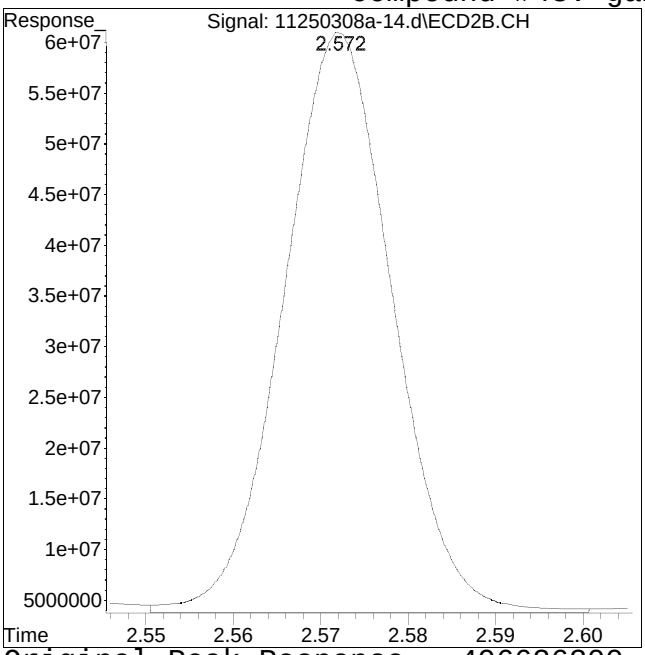


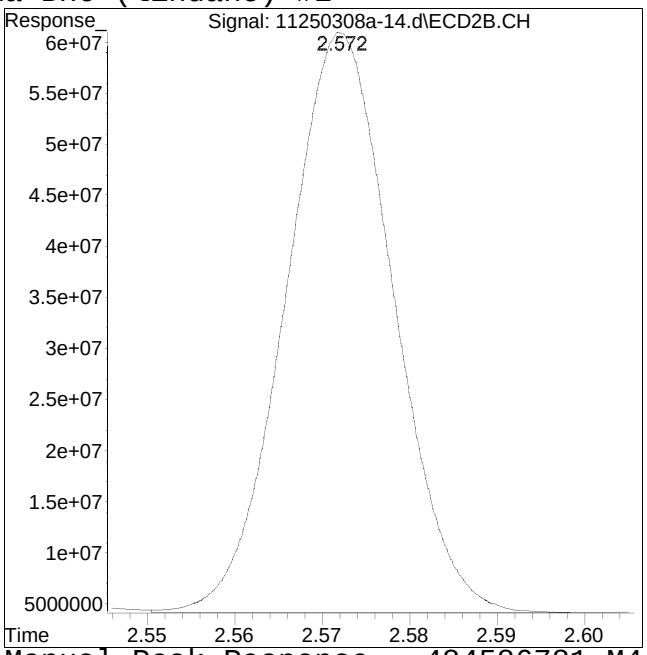
Original Peak Response = 1131774973 Manual Peak Response = 1098849757 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-14.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:47 am Instrument : Pest 11
Sample : WG2037965-5,42,, rvt msdQuant Date : 3/8/2025 12:15 pm

Compound #43: gamma-BHC (lindane) #2



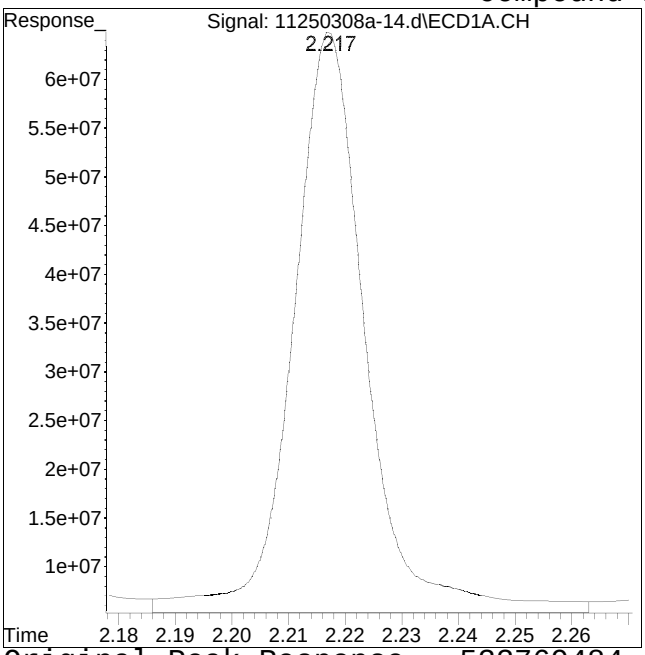


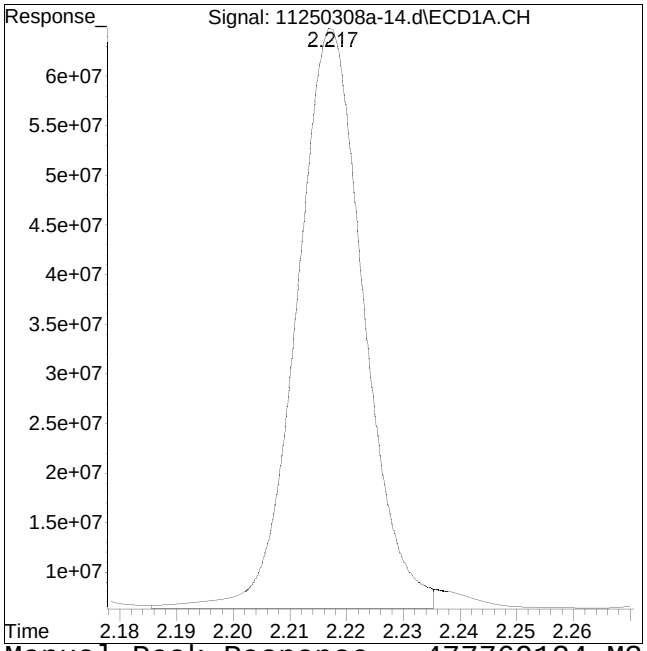
Original Peak Response = 496626300 Manual Peak Response = 484586781 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-14.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:47 am Instrument : Pest 11
Sample : WG2037965-5,42,, rvt msdQuant Date : 3/8/2025 12:15 pm

Compound #6: beta-BHC





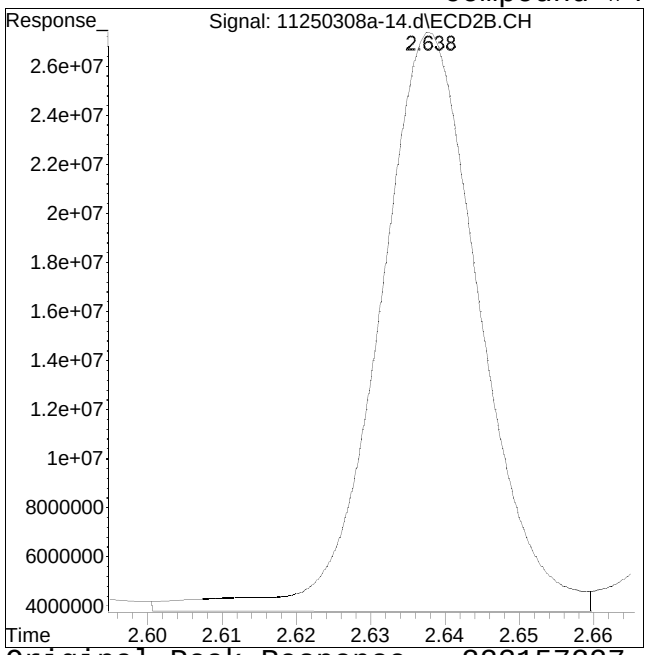
Original Peak Response = 533769484 Manual Peak Response = 477769124 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

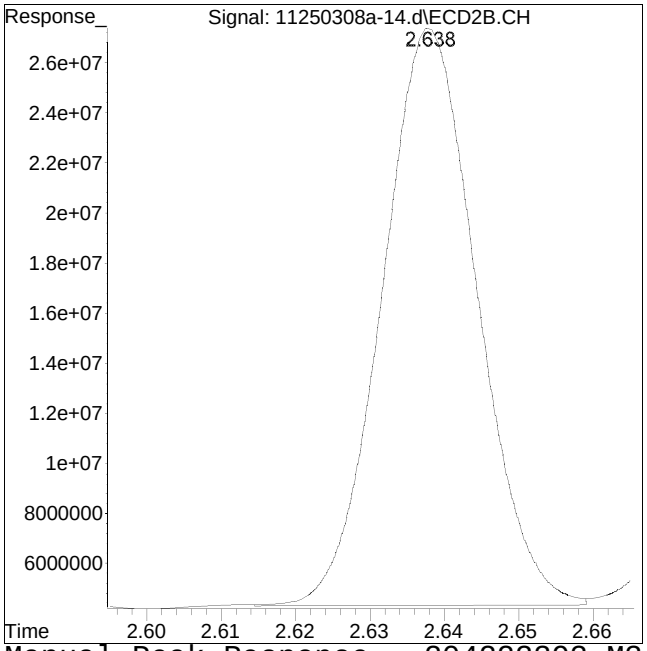
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308Q
Data File : 11250308a-14.d
Date Inj'd : 3/8/2025 8:47 am
Sample : WG2037965-5,42,, rvt

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:peg
Instrument : Pest 11
msdQuant Date : 3/8/2025 12:15 pm

Compound #44: beta-BHC #2





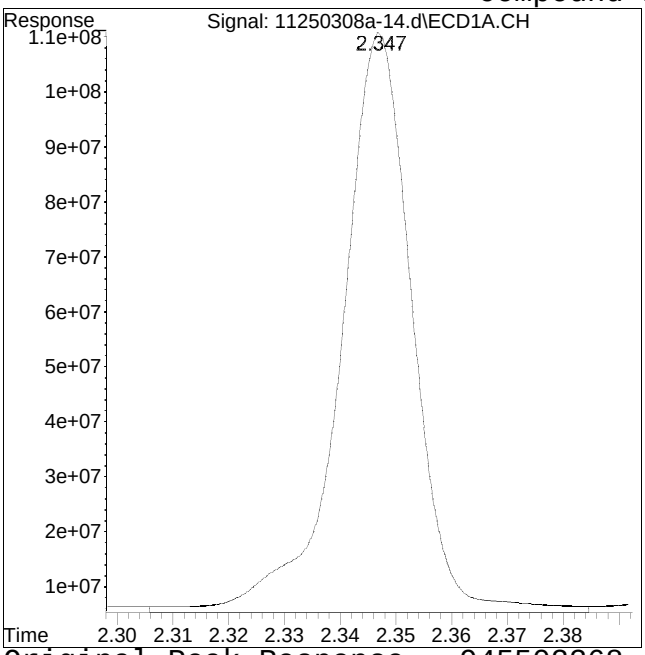
Original Peak Response = 223157227 Manual Peak Response = 204223393 M3

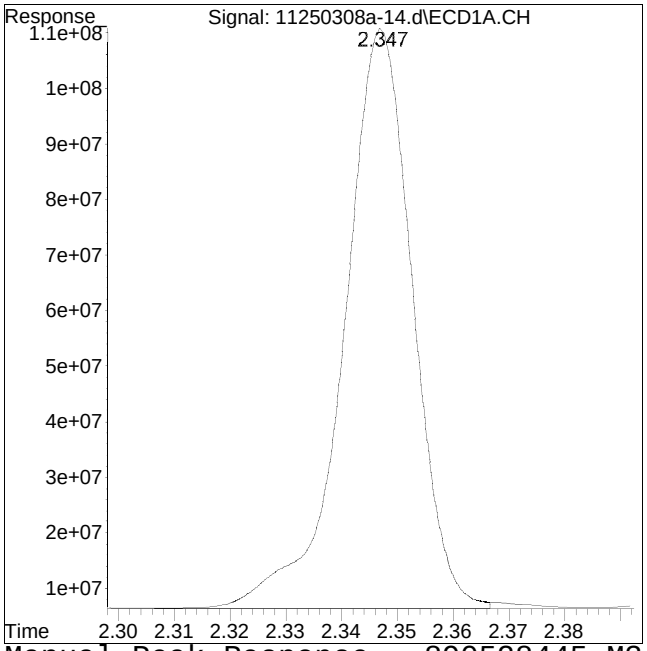
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-14.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:47 am Instrument : Pest 11
Sample : WG2037965-5,42,, rvt msdQuant Date : 3/8/2025 12:15 pm

Compound #7: delta-BHC





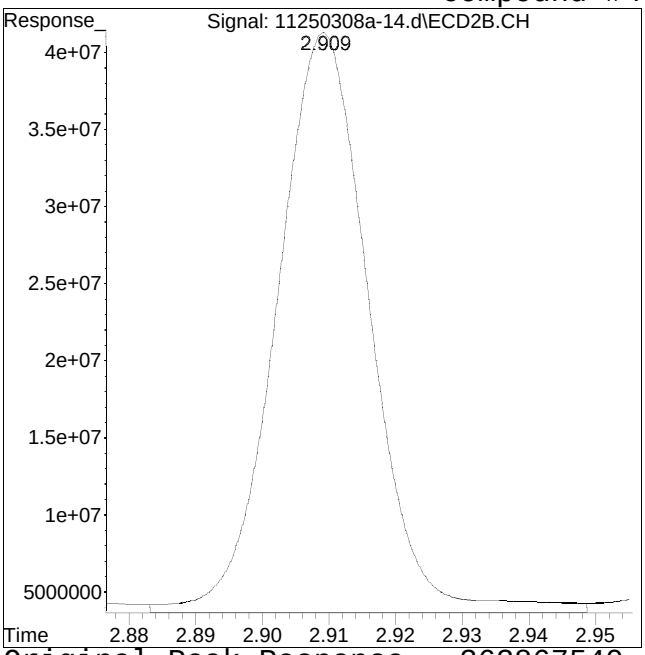
Original Peak Response = 945502368 Manual Peak Response = 890528445 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

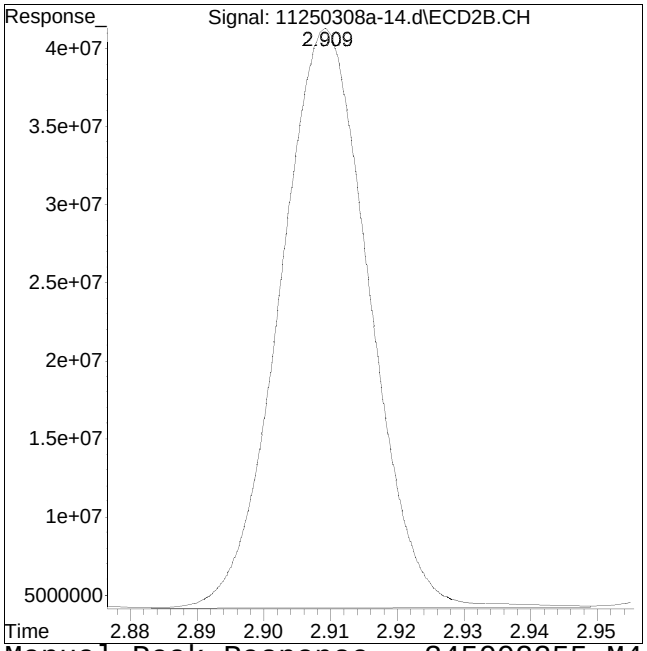
Data Path : I:\PEST\Pest11\2025\250308Q
Data File : 11250308a-14.d
Date Inj'd : 3/8/2025 8:47 am
Sample : WG2037965-5,42,, rvt

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:peg
Instrument : Pest 11
msdQuant Date : 3/8/2025 12:15 pm

Compound #45: delta-BHC #2



Original Peak Response = 363867540



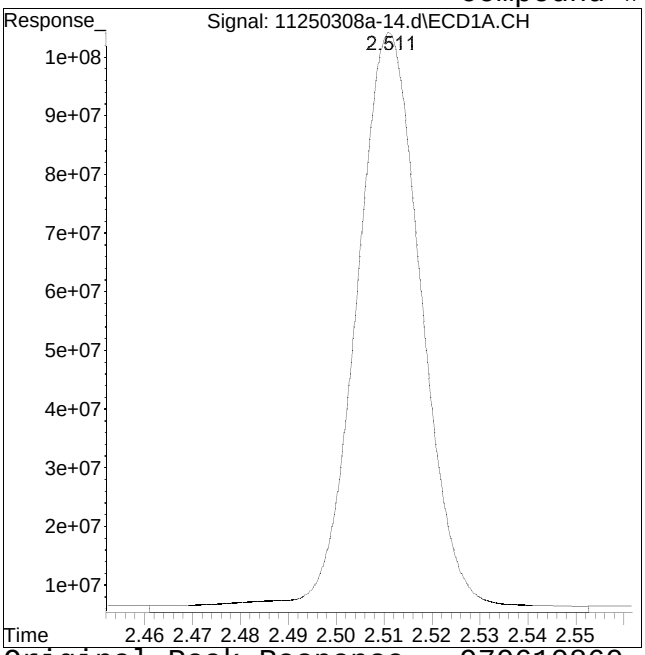
Manual Peak Response = 345002255 M4

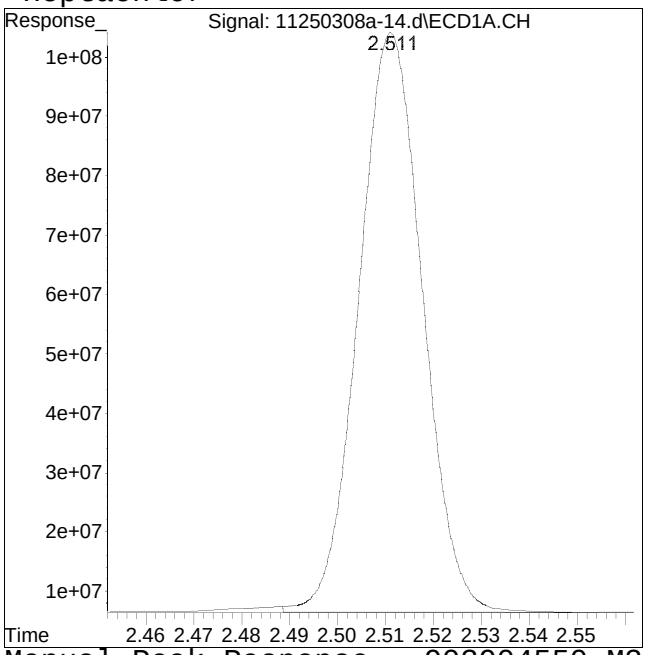
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-14.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:47 am Instrument : Pest 11
Sample : WG2037965-5,42,, rvt msdQuant Date : 3/8/2025 12:15 pm

Compound #8: Heptachlor



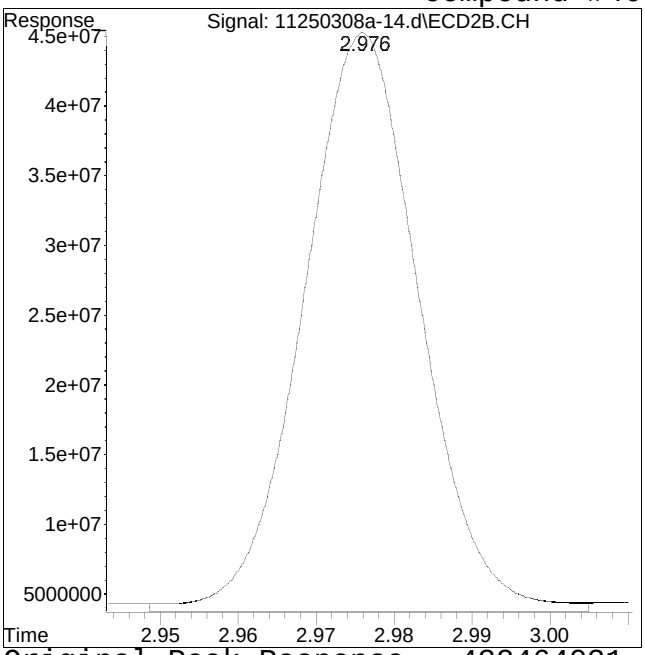


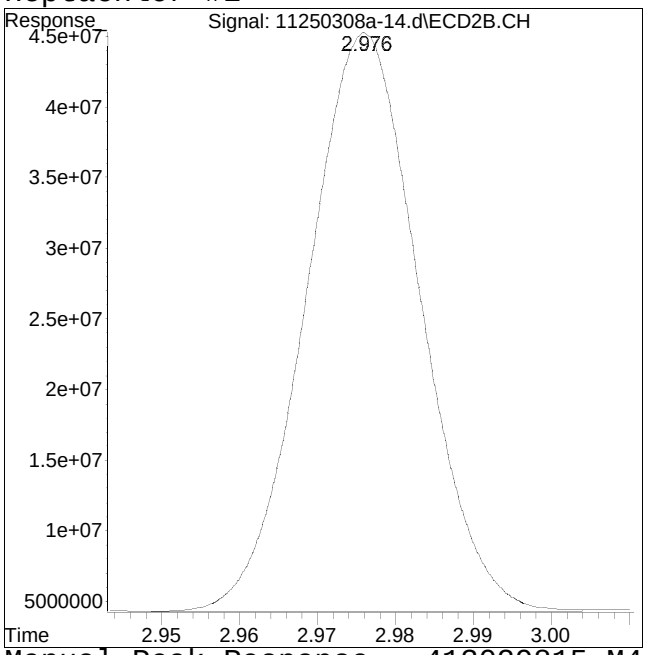
Original Peak Response = 970610860 Manual Peak Response = 903904550 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-14.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:47 am Instrument : Pest 11
Sample : WG2037965-5,42,, rvt msdQuant Date : 3/8/2025 12:15 pm

Compound #46: Heptachlor #2





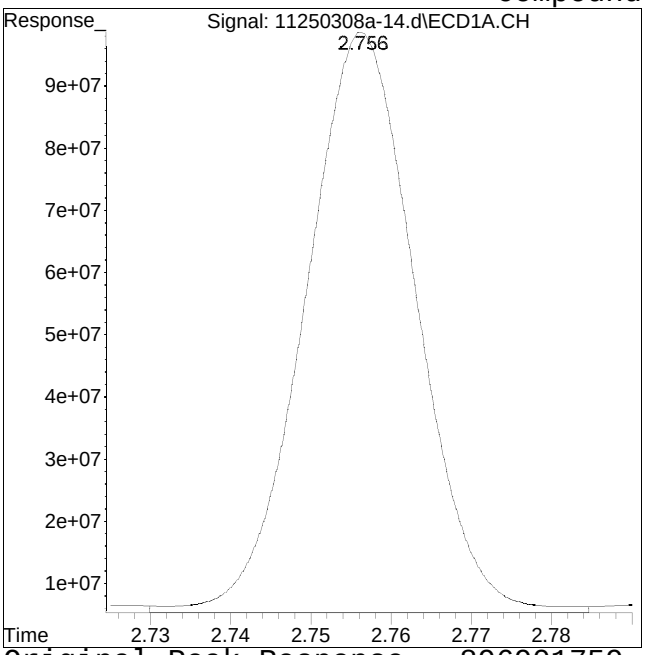
Original Peak Response = 432464031 Manual Peak Response = 413029815 M4
M4 = Poor automated baseline construction.

Manual Integration Report

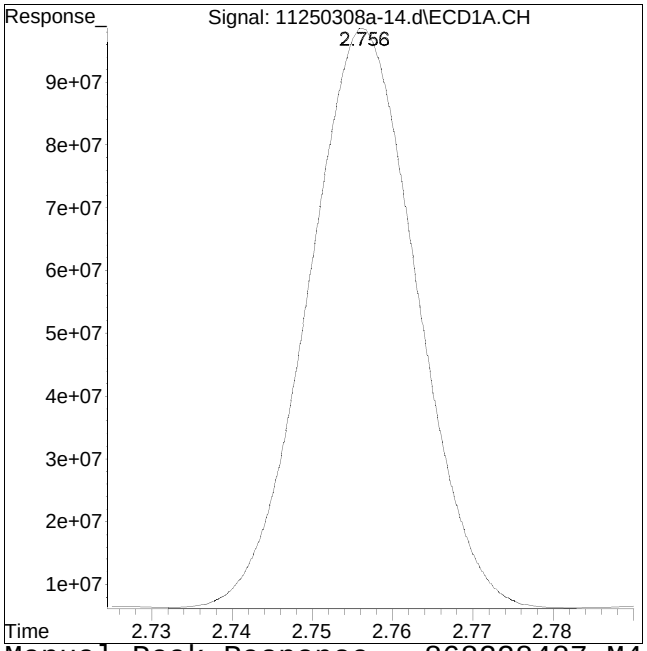
Data Path : I:\PEST\Pest11\2025\250308Q
Data File : 11250308a-14.d
Date Inj'd : 3/8/2025 8:47 am
Sample : WG2037965-5,42,, rvt

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:peg
Instrument : Pest 11
msdQuant Date : 3/8/2025 12:15 pm

Compound #9: Aldrin



Original Peak Response = 896901759



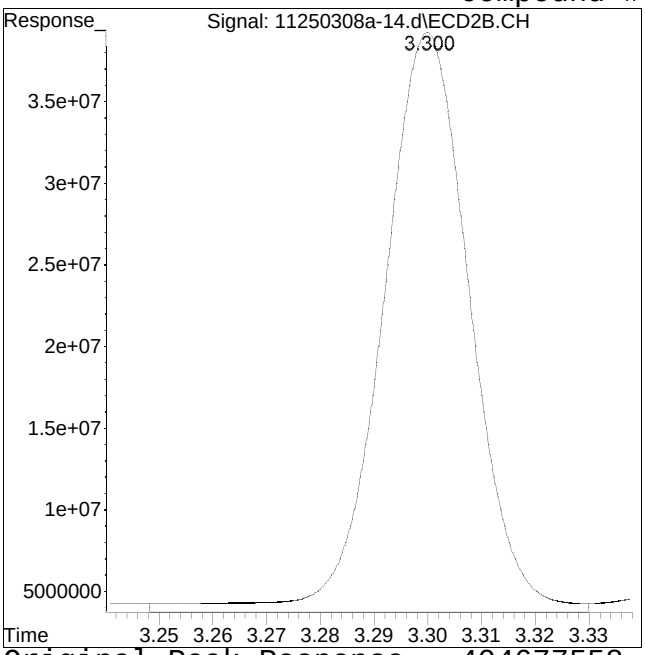
Manual Peak Response = 868228487 M4

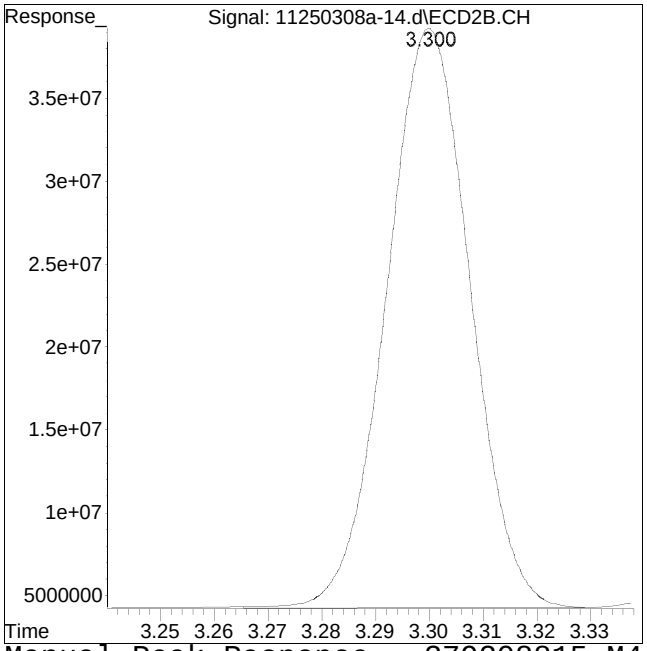
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-14.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:47 am Instrument : Pest 11
Sample : WG2037965-5,42,, rvt msdQuant Date : 3/8/2025 12:15 pm

Compound #47: Aldrin #2





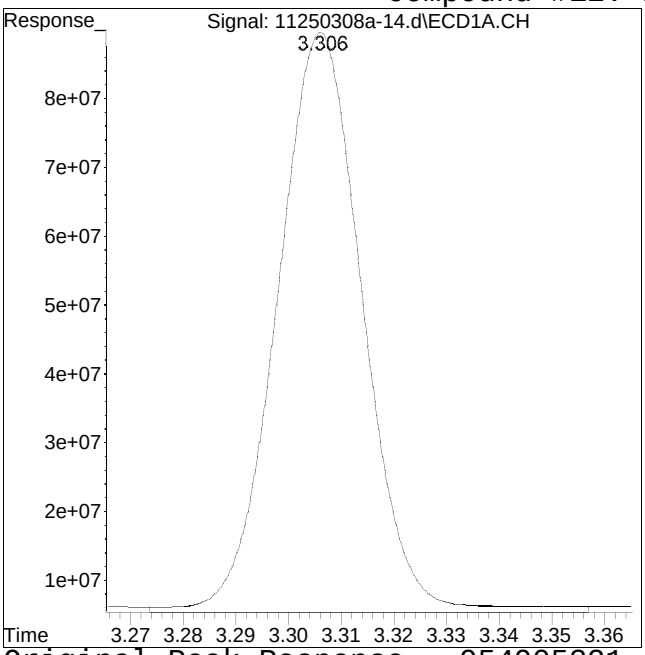
Original Peak Response = 404677558 Manual Peak Response = 379208815 M4
M4 = Poor automated baseline construction.

Manual Integration Report

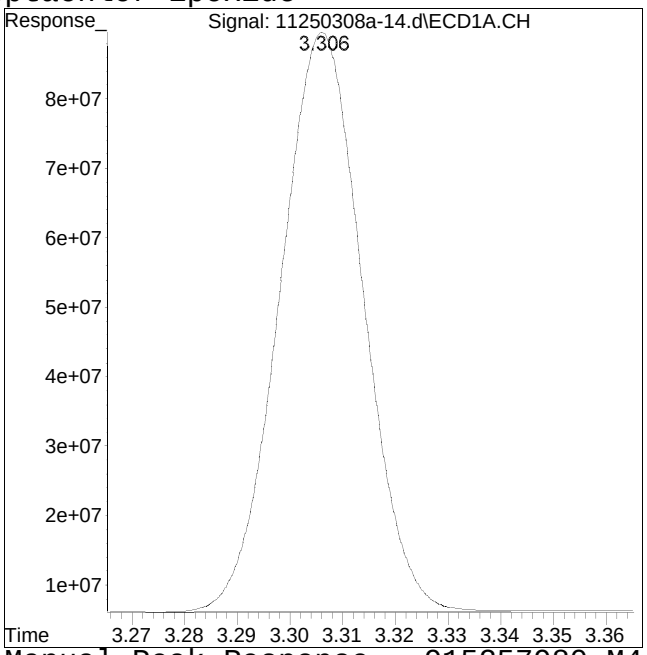
Data Path : I:\PEST\Pest11\2025\250308Q
Data File : 11250308a-14.d
Date Inj'd : 3/8/2025 8:47 am
Sample : WG2037965-5,42,, rvt

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:peg
Instrument : Pest 11
msdQuant Date : 3/8/2025 12:15 pm

Compound #12: Heptachlor Epoxide



Original Peak Response = 954905321



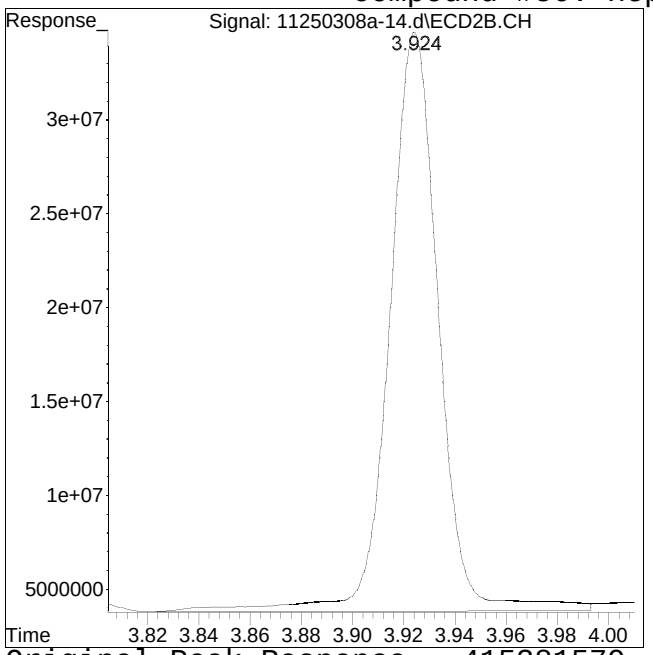
Manual Peak Response = 915257980 M4

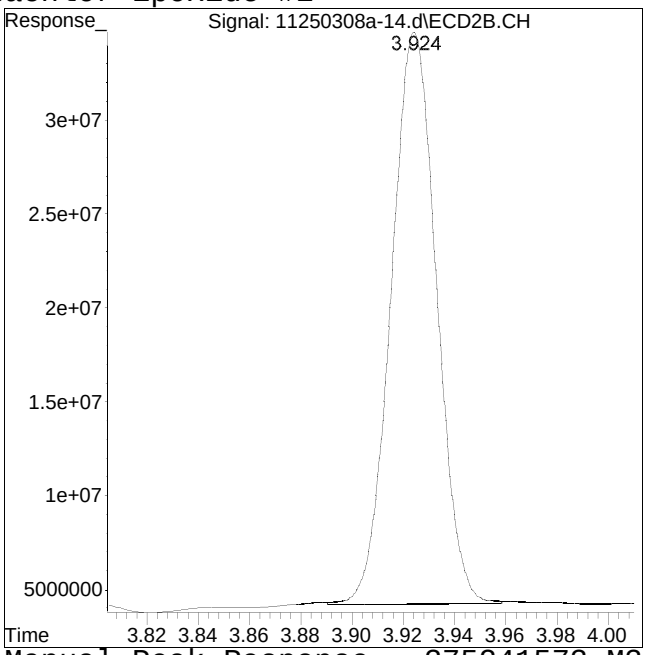
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-14.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:47 am Instrument : Pest 11
Sample : WG2037965-5,42,, rvt msdQuant Date : 3/8/2025 12:15 pm

Compound #50: Heptachlor Epoxide #2



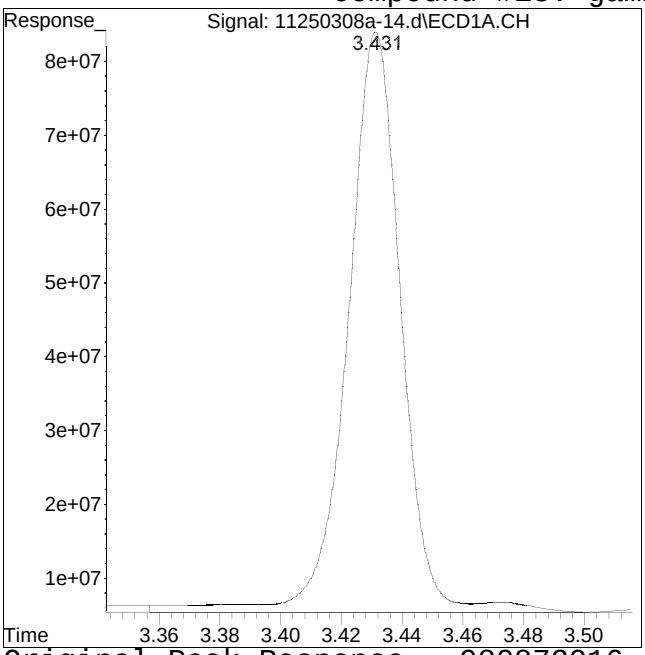


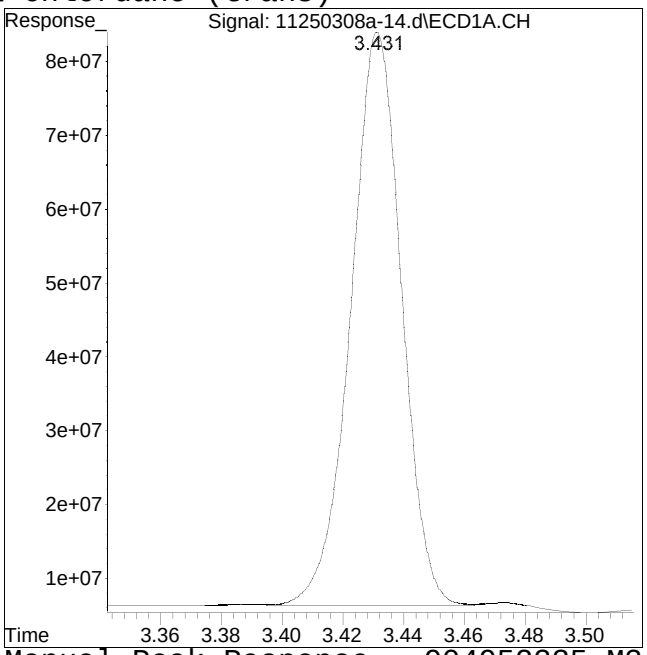
Original Peak Response = 415381579 Manual Peak Response = 375241573 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-14.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:47 am Instrument : Pest 11
Sample : WG2037965-5,42,, rvt msdQuant Date : 3/8/2025 12:15 pm

Compound #13: gamma-Chlordane (trans)





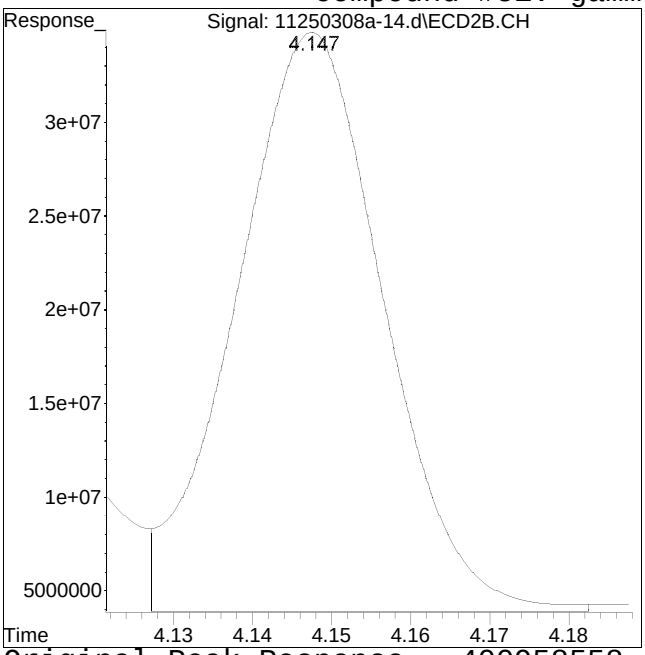
Original Peak Response = 980872916 Manual Peak Response = 904952335 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

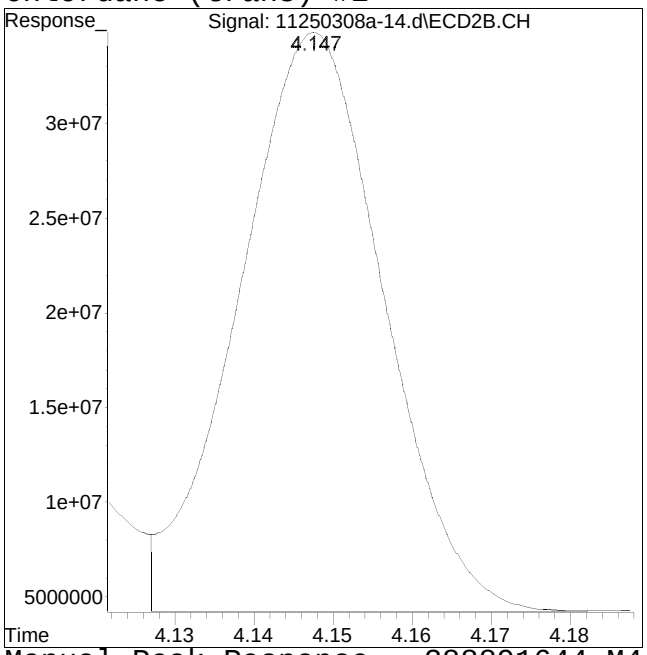
Data Path : I:\PEST\Pest11\2025\250308Q
Data File : 11250308a-14.d
Date Inj'd : 3/8/2025 8:47 am
Sample : WG2037965-5,42,, rvt

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:peg
Instrument : Pest 11
msdQuant Date : 3/8/2025 12:15 pm

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 400958558



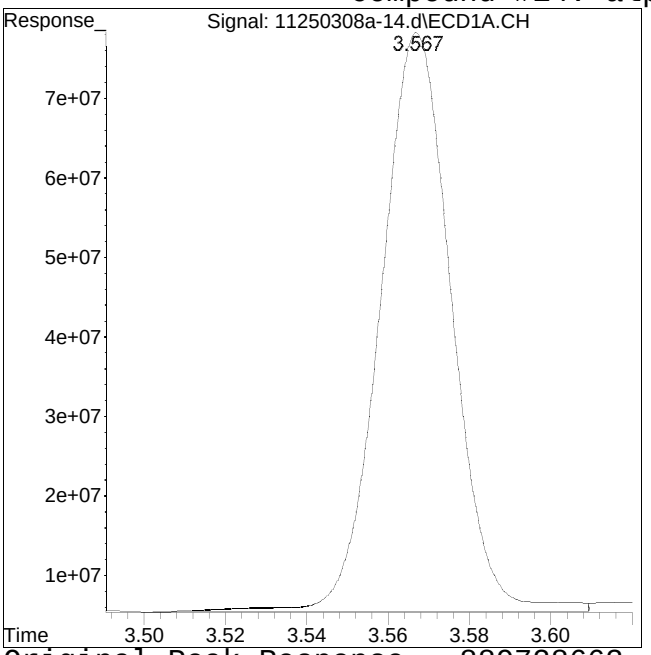
Manual Peak Response = 388891644 M4

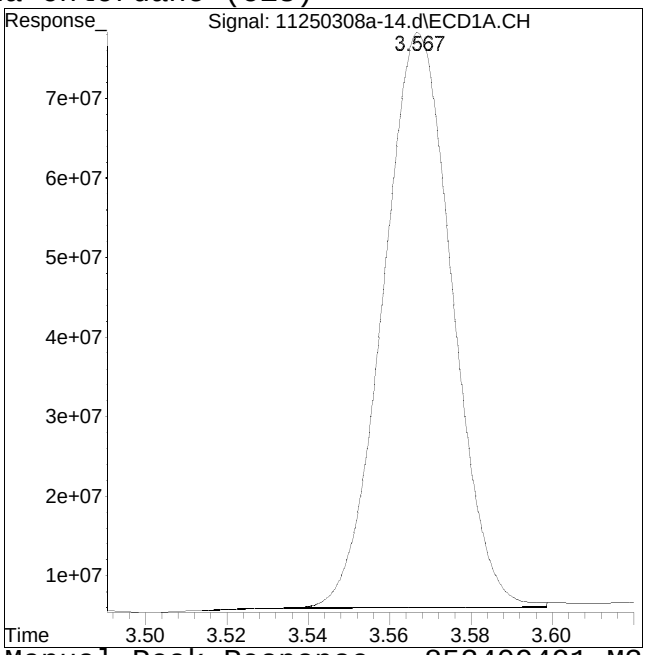
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-14.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:47 am Instrument : Pest 11
Sample : WG2037965-5,42,, rvt msdQuant Date : 3/8/2025 12:15 pm

Compound #14: alpha-Chlordane (cis)





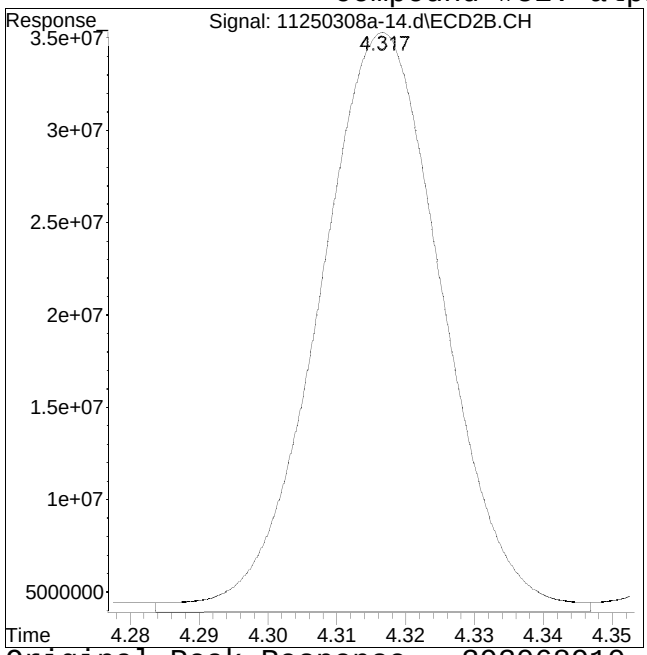
Original Peak Response = 889728663 Manual Peak Response = 852409491 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

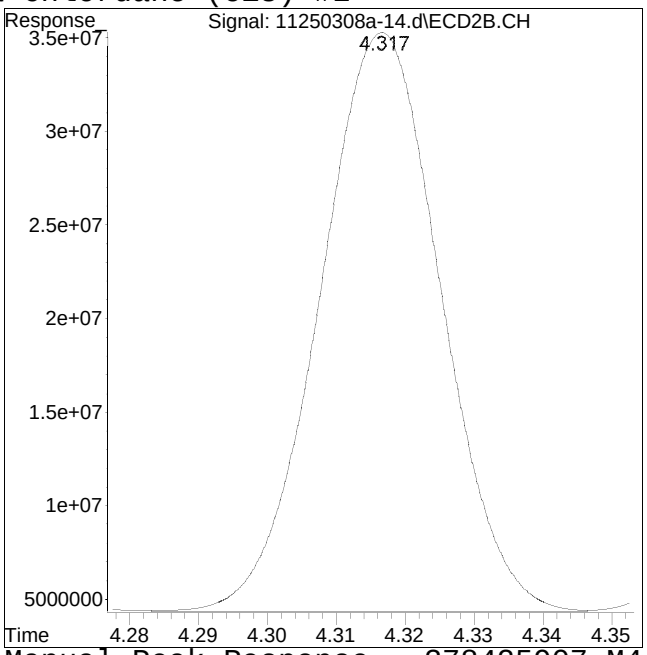
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308Q
Data File : 11250308a-14.d
Date Inj'd : 3/8/2025 8:47 am
Sample : WG2037965-5,42,, rvt msd

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:peg
Instrument : Pest 11
Quant Date : 3/8/2025 12:15 pm

Compound #52: alpha-Chlordane (cis) #2





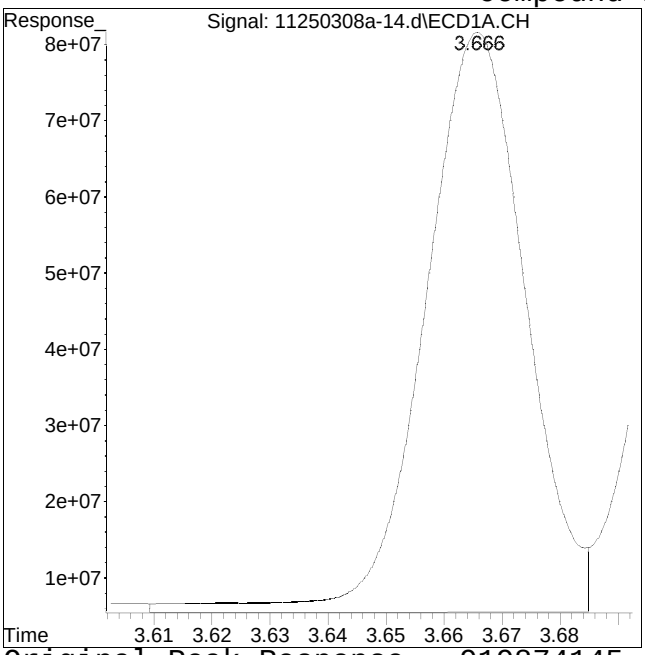
Original Peak Response = 393068910 Manual Peak Response = 378425907 M4
M4 = Poor automated baseline construction.

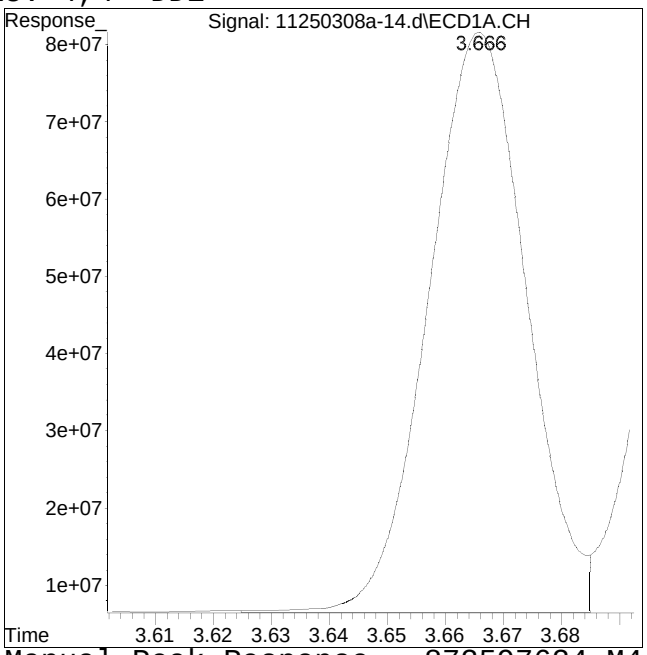
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308Q
Data File : 11250308a-14.d
Date Inj'd : 3/8/2025 8:47 am
Sample : WG2037965-5,42,, rvt

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:peg
Instrument : Pest 11
msdQuant Date : 3/8/2025 12:15 pm

Compound #15: 4,4'-DDE



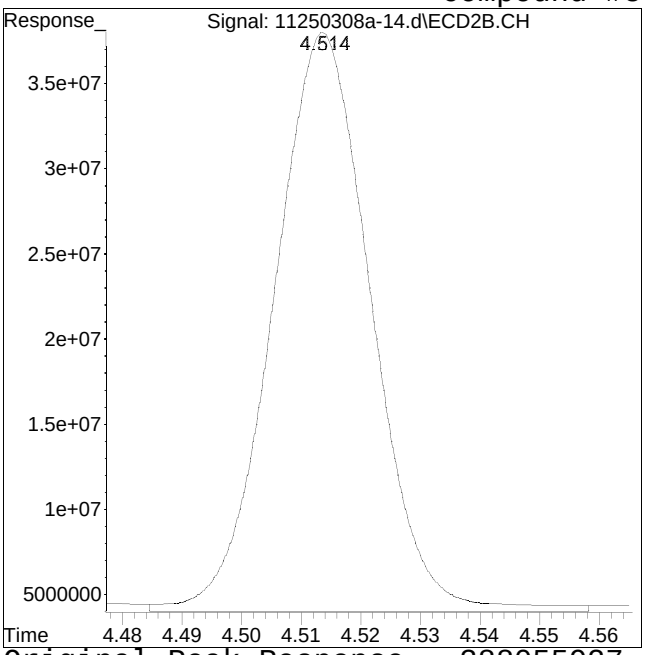


Original Peak Response = 919874145 Manual Peak Response = 872597624 M4
M4 = Poor automated baseline construction.

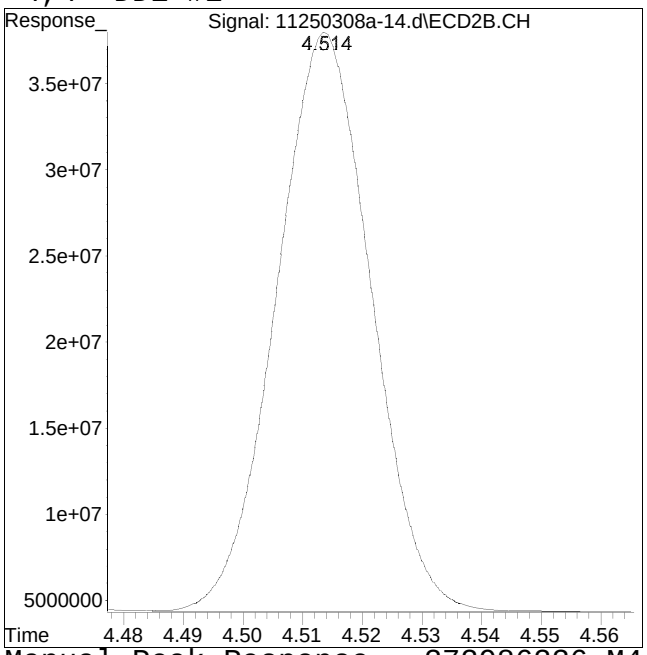
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-14.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:47 am Instrument : Pest 11
Sample : WG2037965-5,42,, rvt msdQuant Date : 3/8/2025 12:15 pm

Compound #53: 4,4'-DDE #2



Original Peak Response = 388055927



Manual Peak Response = 372986336 M4

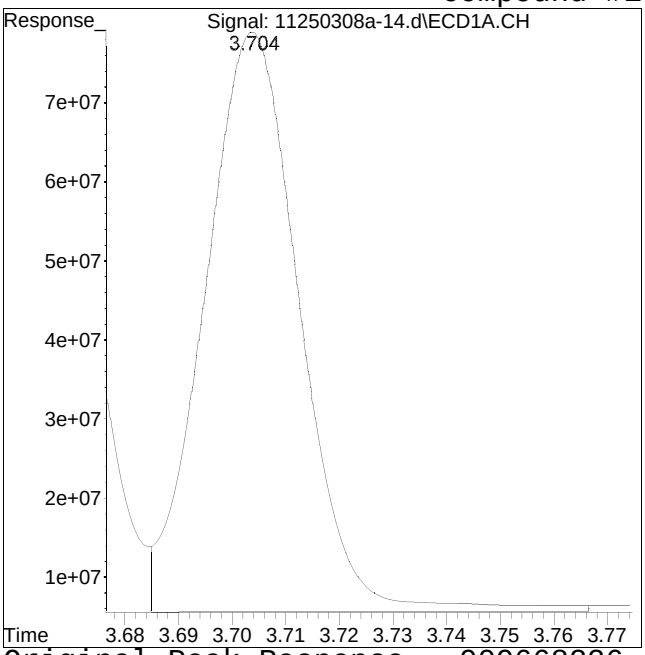
M4 = Poor automated baseline construction.

Manual Integration Report

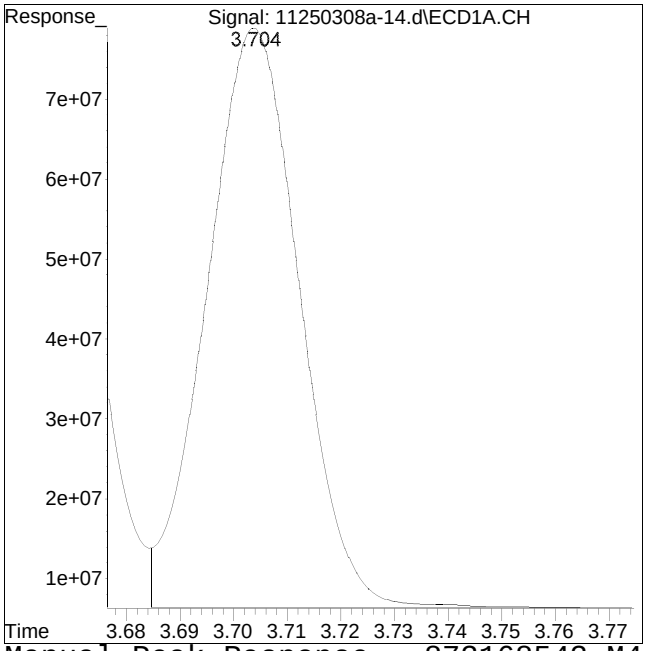
Data Path : I:\PEST\Pest11\2025\250308Q
Data File : 11250308a-14.d
Date Inj'd : 3/8/2025 8:47 am
Sample : WG2037965-5,42,, rvt

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:peg
Instrument : Pest 11
msdQuant Date : 3/8/2025 12:15 pm

Compound #16: Endosulfan I



Original Peak Response = 909668226



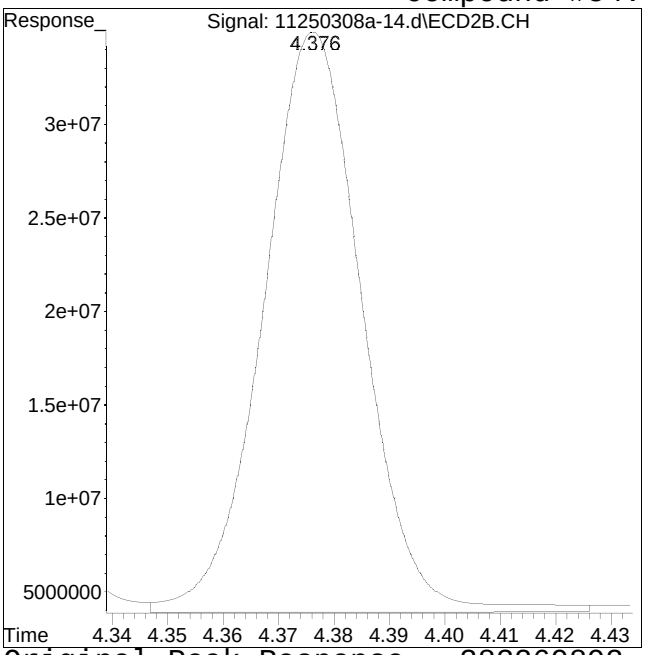
Manual Peak Response = 873168543 M4

M4 = Poor automated baseline construction.

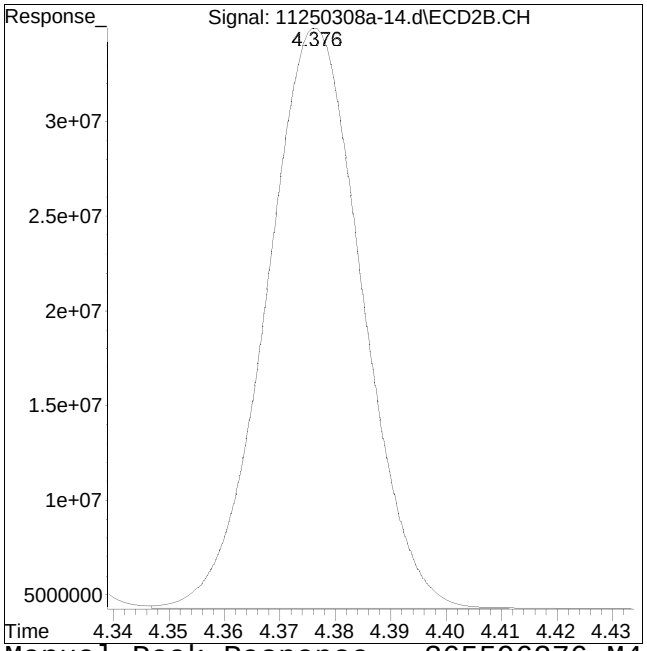
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-14.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:47 am Instrument : Pest 11
Sample : WG2037965-5,42,, rvt msdQuant Date : 3/8/2025 12:15 pm

Compound #54: Endosulfan I #2



Original Peak Response = 383269892



Manual Peak Response = 365596276 M4

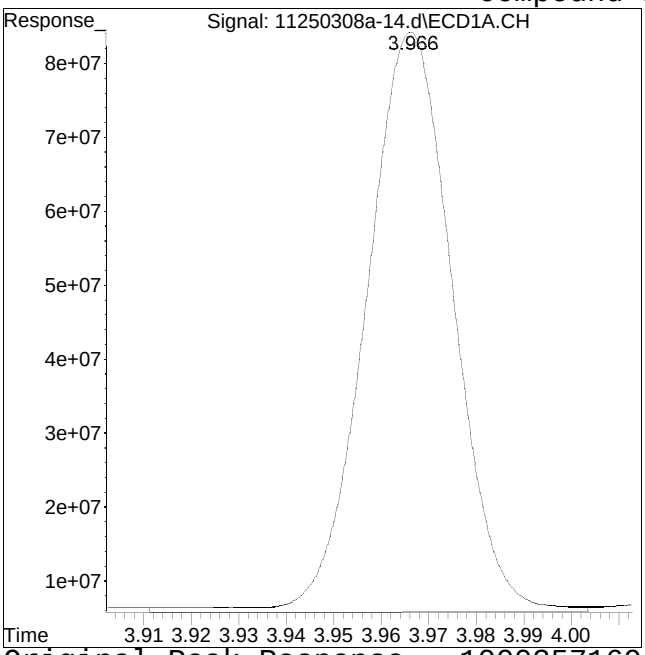
M4 = Poor automated baseline construction.

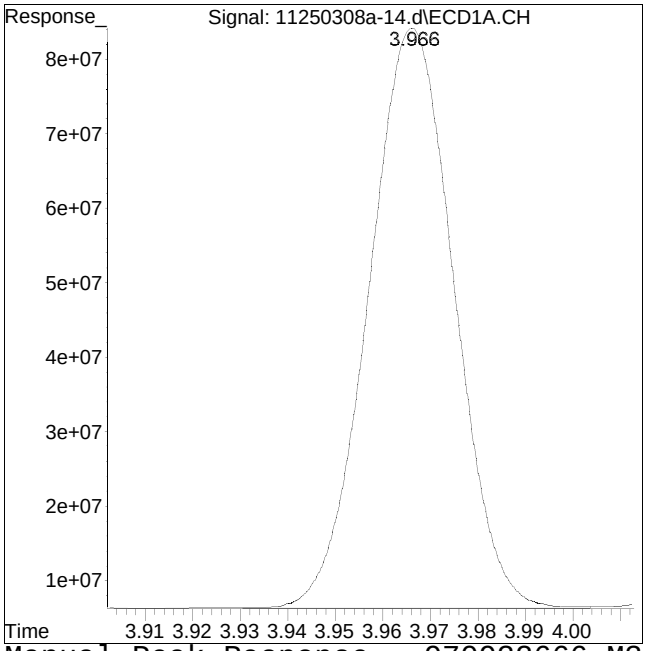
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308Q
Data File : 11250308a-14.d
Date Inj'd : 3/8/2025 8:47 am
Sample : WG2037965-5,42,, rvt

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:peg
Instrument : Pest 11
msdQuant Date : 3/8/2025 12:15 pm

Compound #17: Dieldrin



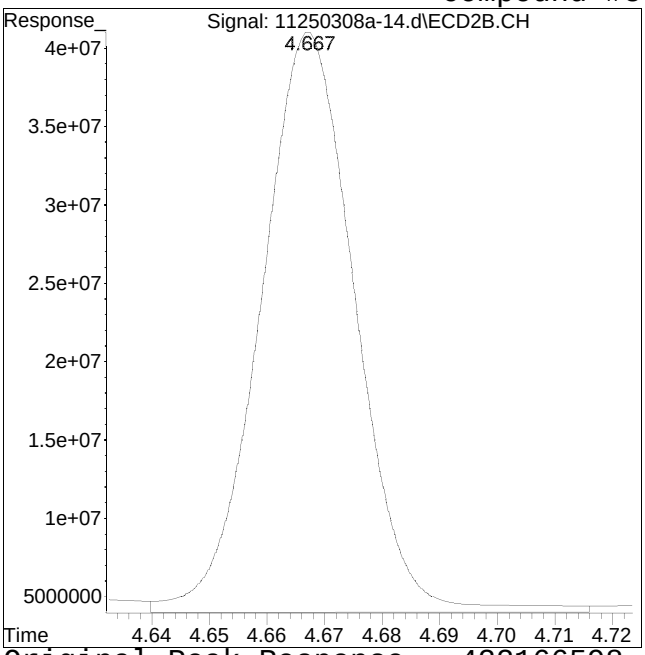


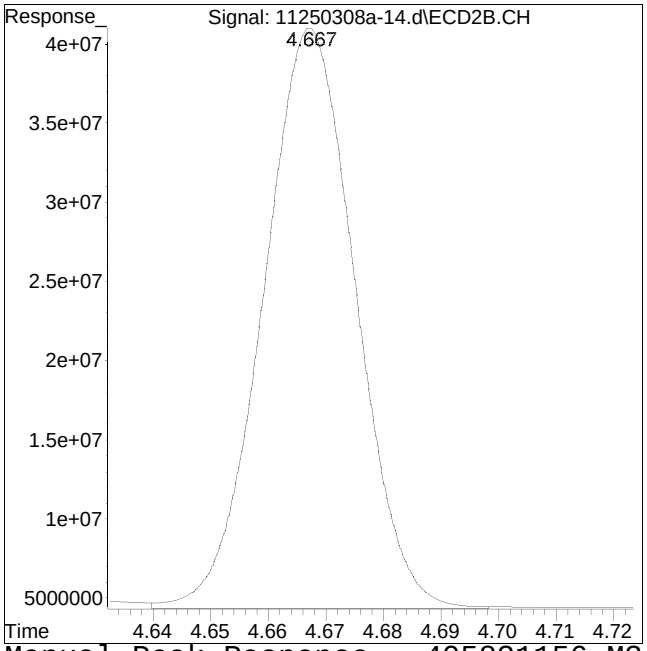
Original Peak Response = 1000357169 Manual Peak Response = 970932666 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-14.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:47 am Instrument : Pest 11
Sample : WG2037965-5,42,, rvt msdQuant Date : 3/8/2025 12:15 pm

Compound #55: Dieldrin #2



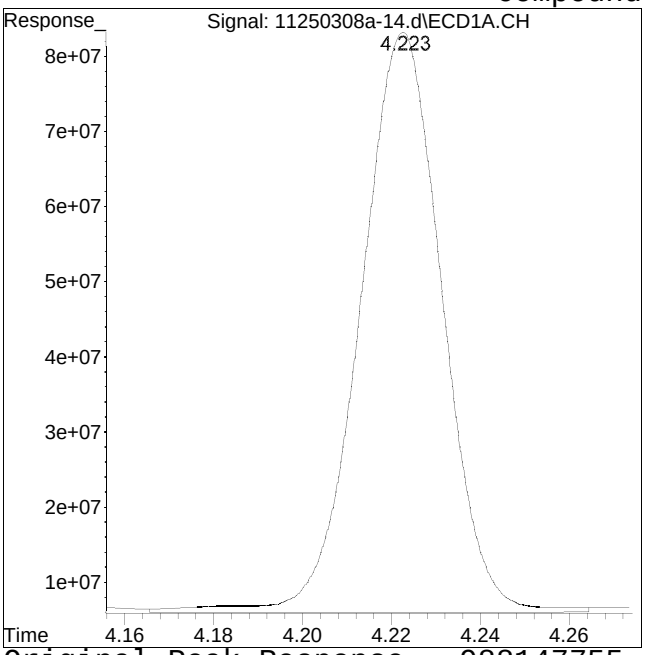


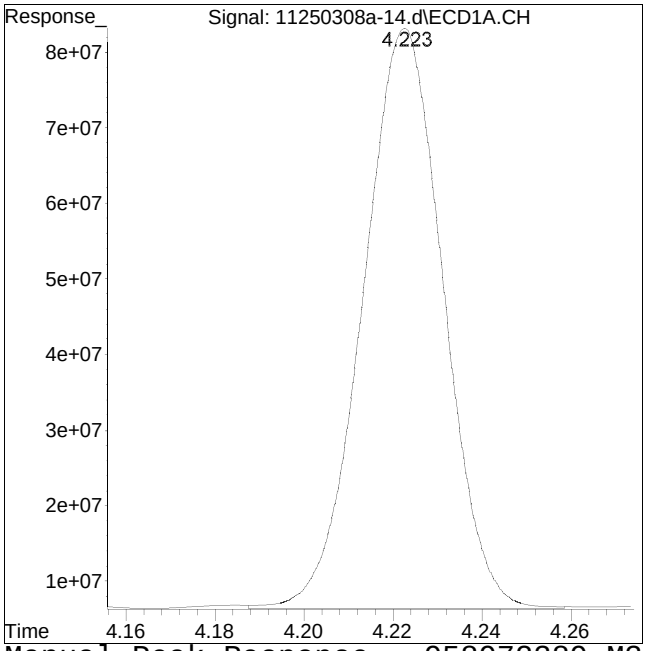
Original Peak Response = 422166598 Manual Peak Response = 405831156 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-14.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:47 am Instrument : Pest 11
Sample : WG2037965-5,42,, rvt msdQuant Date : 3/8/2025 12:15 pm

Compound #18: Endrin





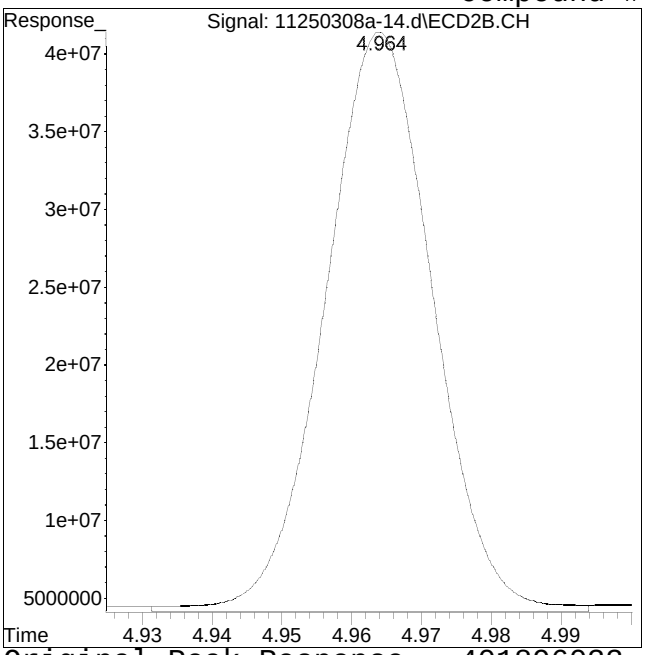
Original Peak Response = 988147755 Manual Peak Response = 958972389 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

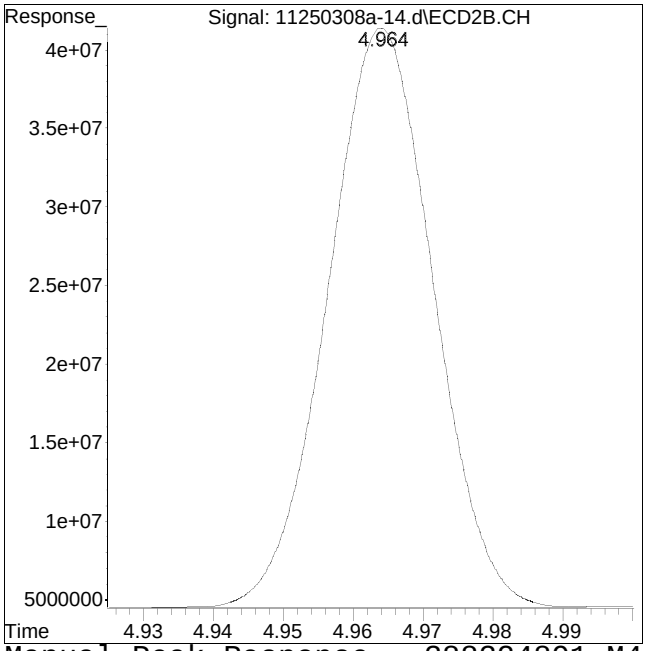
Data Path : I:\PEST\Pest11\2025\250308Q
Data File : 11250308a-14.d
Date Inj'd : 3/8/2025 8:47 am
Sample : WG2037965-5,42,, rvt

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:peg
Instrument : Pest 11
msdQuant Date : 3/8/2025 12:15 pm

Compound #56: Endrin #2



Original Peak Response = 401896033



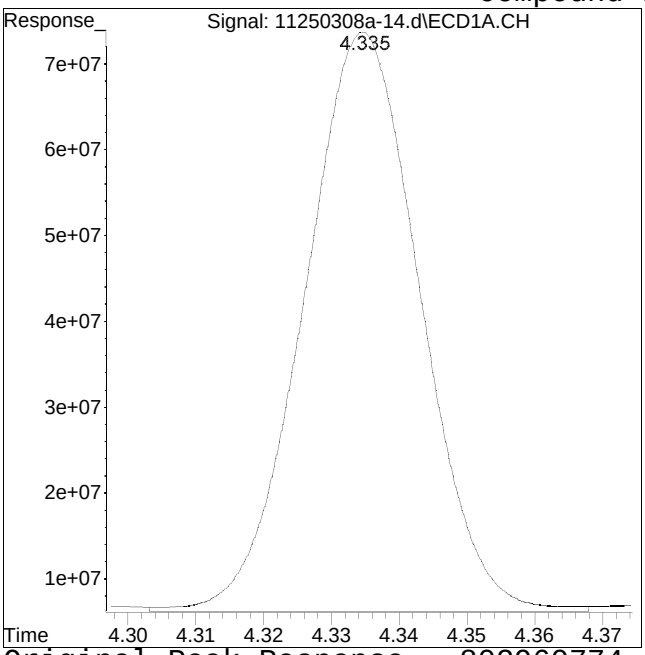
Manual Peak Response = 388324891 M4

M4 = Poor automated baseline construction.

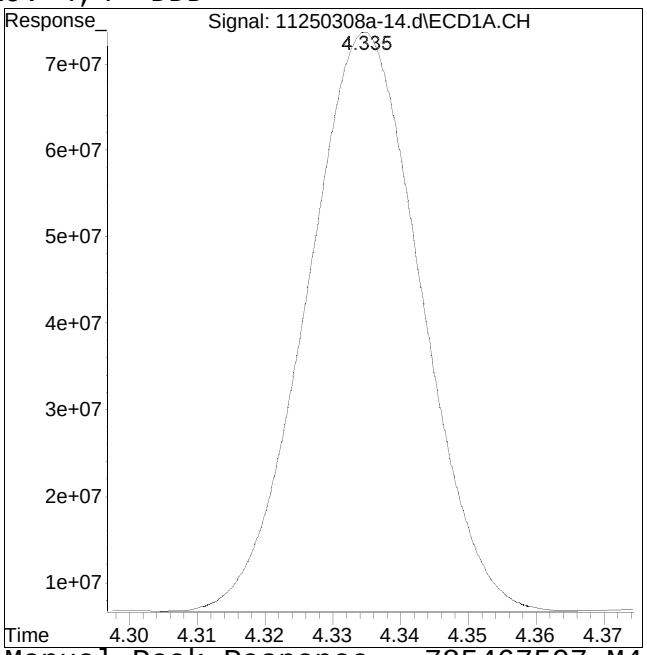
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-14.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:47 am Instrument : Pest 11
Sample : WG2037965-5,42,, rvt msdQuant Date : 3/8/2025 12:15 pm

Compound #19: 4,4'-DDD



Original Peak Response = 802960774



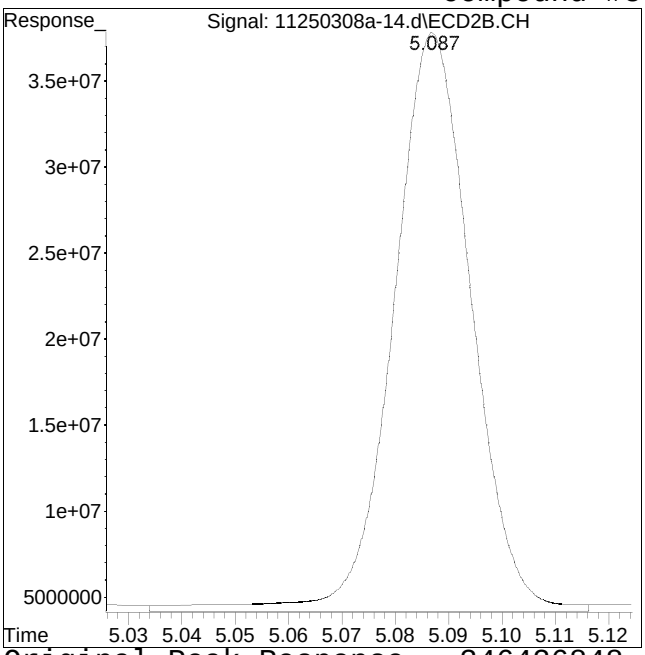
Manual Peak Response = 785467507 M4
M4 = Poor automated baseline construction.

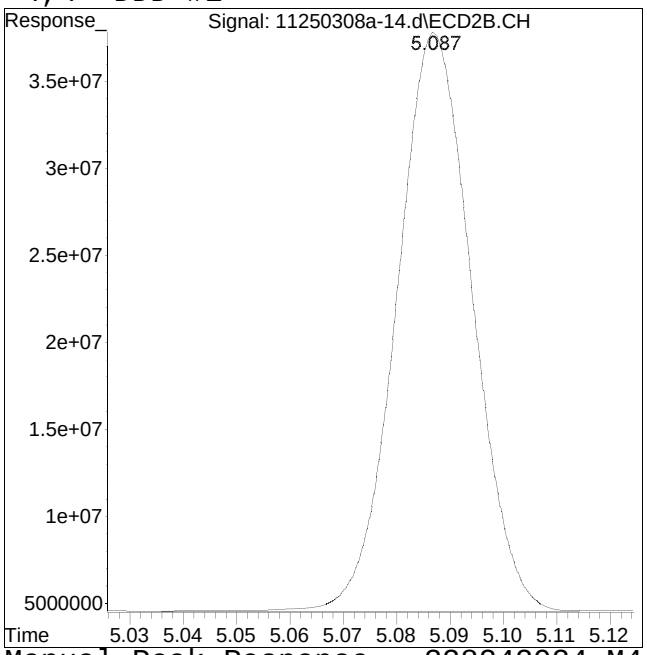
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308Q
Data File : 11250308a-14.d
Date Inj'd : 3/8/2025 8:47 am
Sample : WG2037965-5,42,, rvt

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:peg
Instrument : Pest 11
msdQuant Date : 3/8/2025 12:15 pm

Compound #57: 4,4'-DDD #2





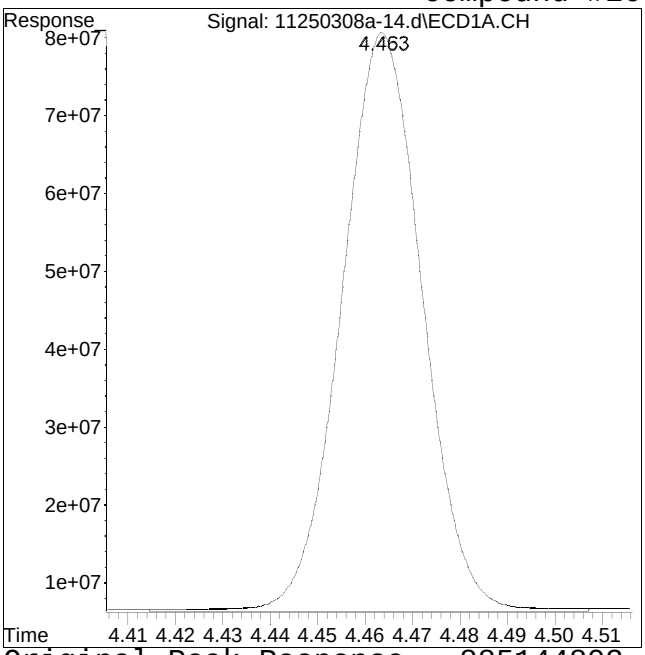
Original Peak Response = 346426848 Manual Peak Response = 328242924 M4
M4 = Poor automated baseline construction.

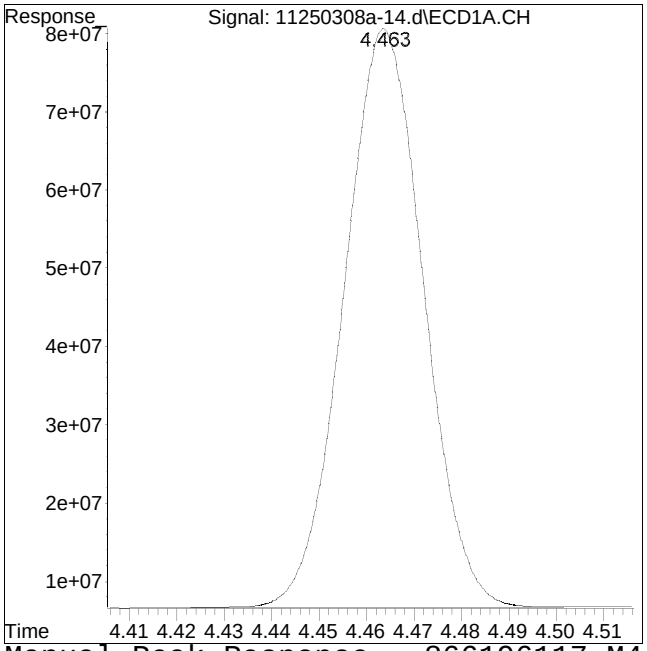
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308Q
Data File : 11250308a-14.d
Date Inj'd : 3/8/2025 8:47 am
Sample : WG2037965-5,42,, rvt

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:peg
Instrument : Pest 11
msdQuant Date : 3/8/2025 12:15 pm

Compound #20: Endosulfan II





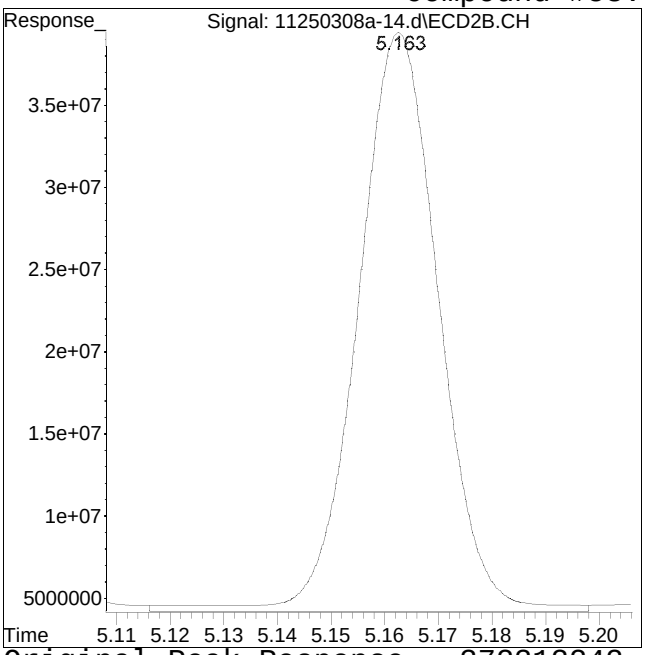
Original Peak Response = 885144803 Manual Peak Response = 866196117 M4
M4 = Poor automated baseline construction.

Manual Integration Report

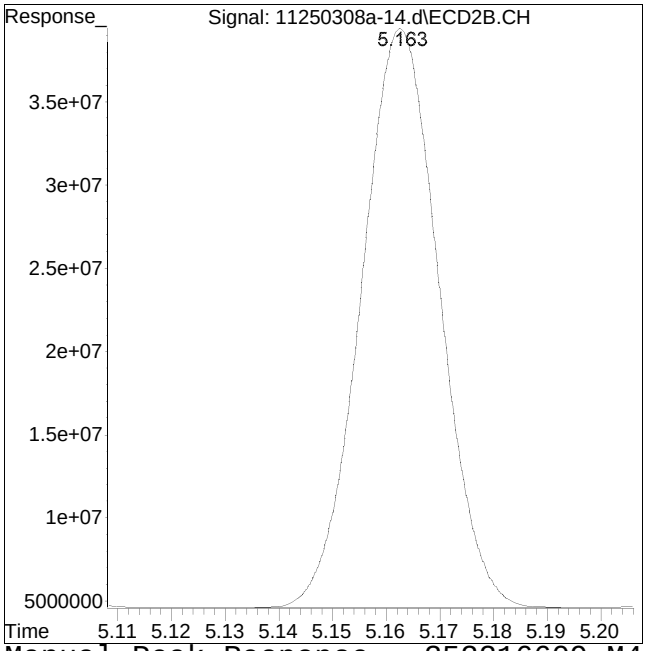
Data Path : I:\PEST\Pest11\2025\250308Q
Data File : 11250308a-14.d
Date Inj'd : 3/8/2025 8:47 am
Sample : WG2037965-5,42,, rvt msd

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:peg
Instrument : Pest 11
Quant Date : 3/8/2025 12:15 pm

Compound #58: Endosulfan II #2



Original Peak Response = 372312242



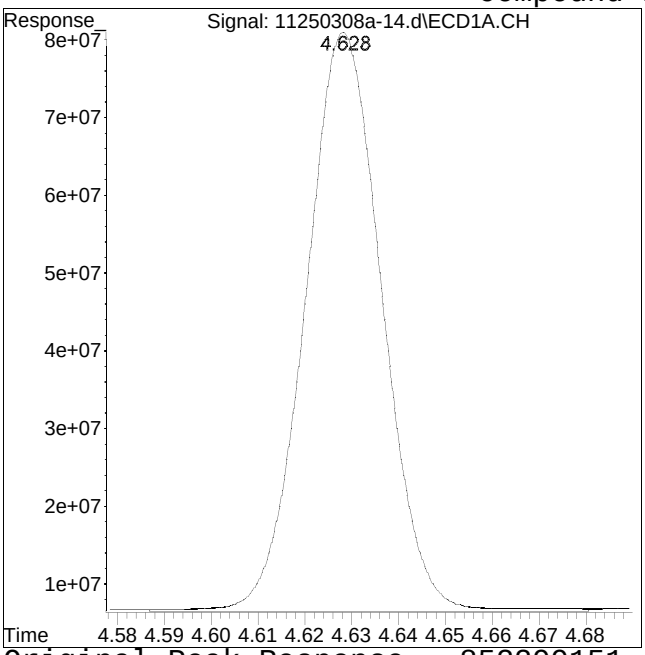
Manual Peak Response = 352216609 M4

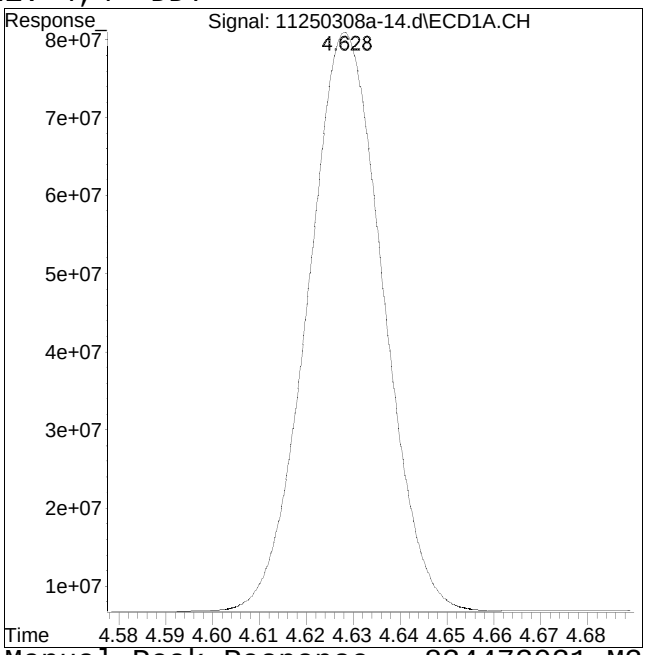
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-14.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:47 am Instrument : Pest 11
Sample : WG2037965-5,42,, rvt msdQuant Date : 3/8/2025 12:15 pm

Compound #21: 4,4'-DDT



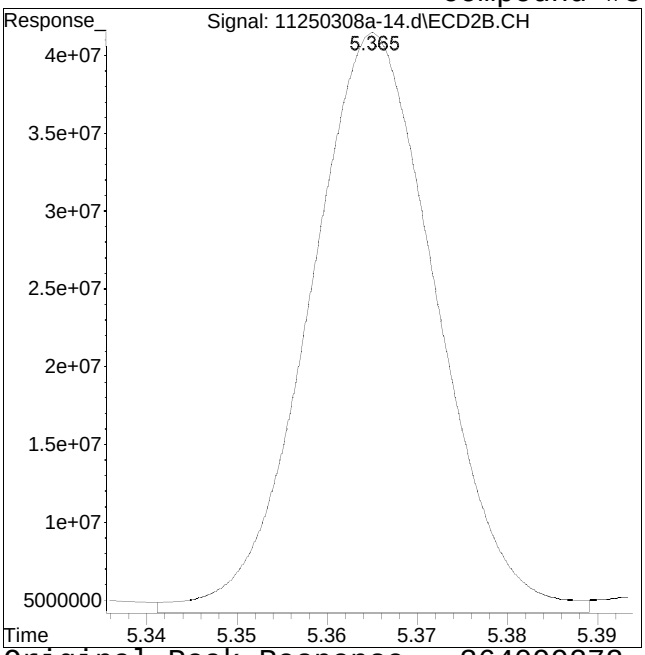


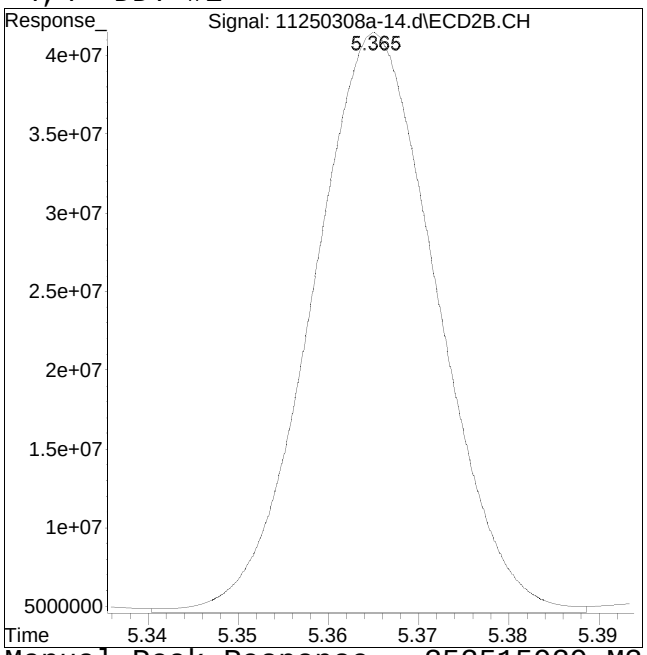
Original Peak Response = 852299151 Manual Peak Response = 834473031 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-14.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:47 am Instrument : Pest 11
Sample : WG2037965-5,42,, rvt msdQuant Date : 3/8/2025 12:15 pm

Compound #59: 4,4'-DDT #2





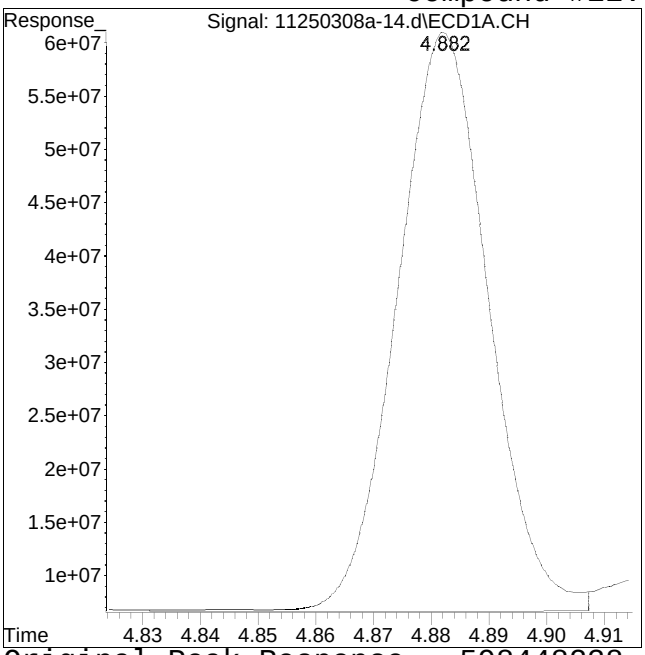
Original Peak Response = 364099272 Manual Peak Response = 352515929 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

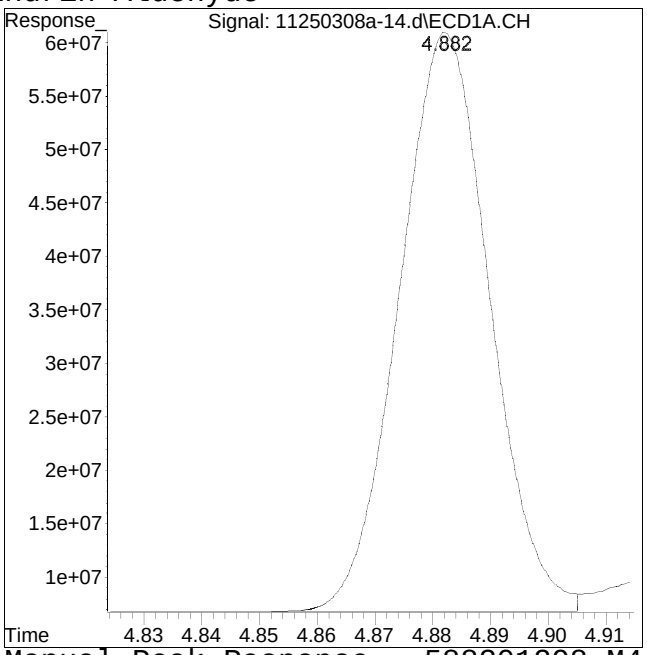
Data Path : I:\PEST\Pest11\2025\250308Q
Data File : 11250308a-14.d
Date Inj'd : 3/8/2025 8:47 am
Sample : WG2037965-5,42,, rvt

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:peg
Instrument : Pest 11
msdQuant Date : 3/8/2025 12:15 pm

Compound #22: Endrin Aldehyde



Original Peak Response = 598448238



Manual Peak Response = 588301298 M4

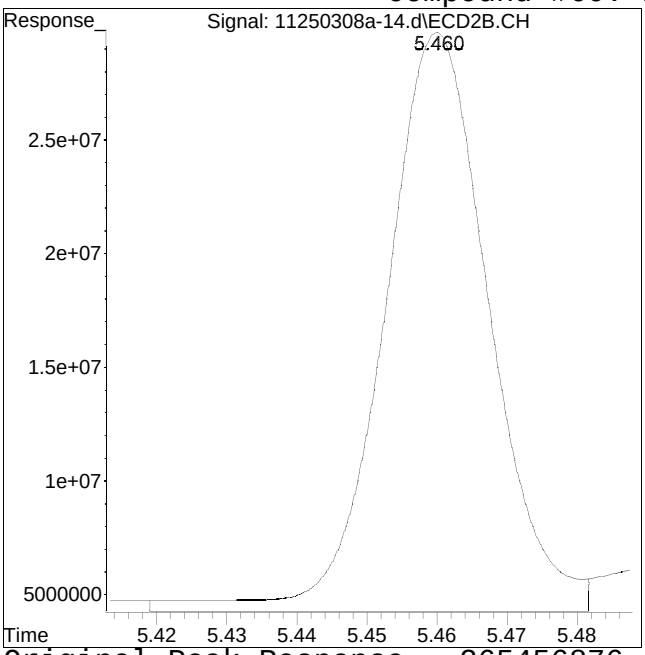
M4 = Poor automated baseline construction.

Manual Integration Report

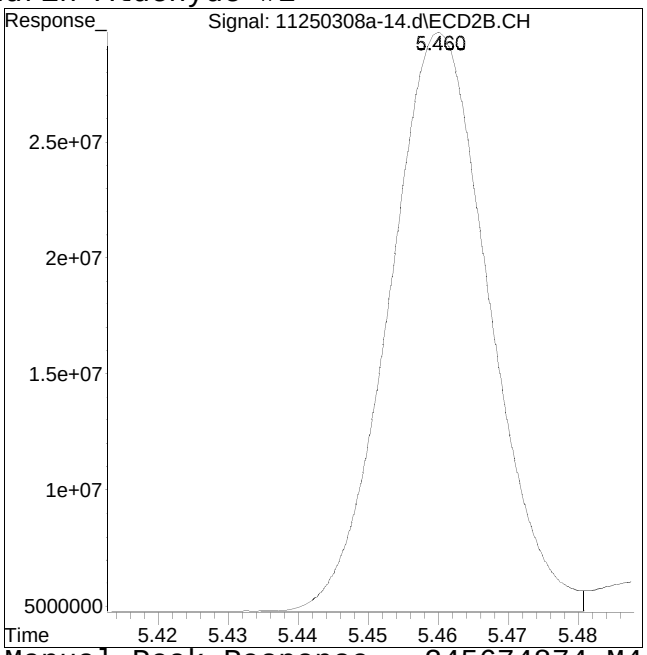
Data Path : I:\PEST\Pest11\2025\250308Q
Data File : 11250308a-14.d
Date Inj'd : 3/8/2025 8:47 am
Sample : WG2037965-5,42,, rvt msd

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:peg
Instrument : Pest 11
Quant Date : 3/8/2025 12:15 pm

Compound #60: Endrin Aldehyde #2



Original Peak Response = 265456876



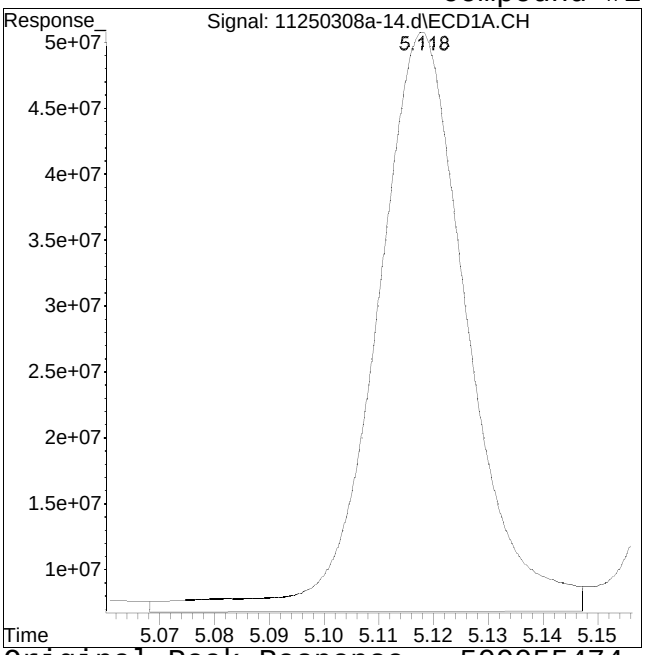
Manual Peak Response = 245674874 M4

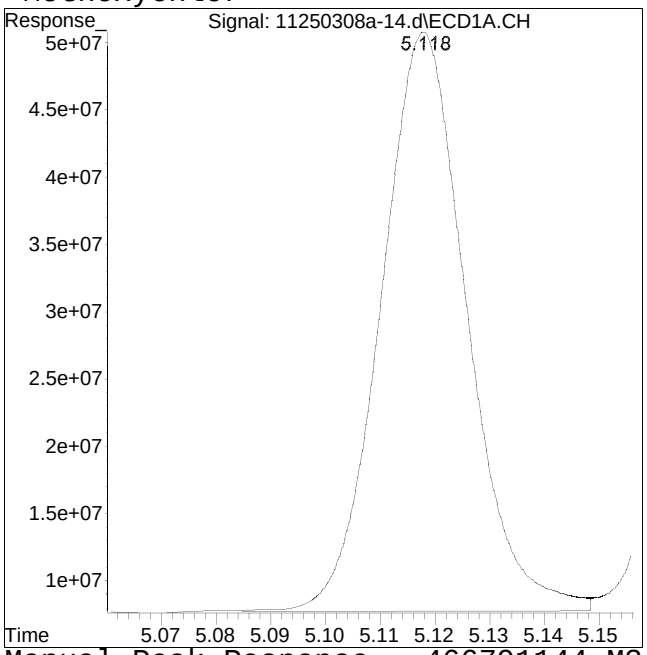
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-14.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:47 am Instrument : Pest 11
Sample : WG2037965-5,42,, rvt msdQuant Date : 3/8/2025 12:15 pm

Compound #23: Methoxychlor





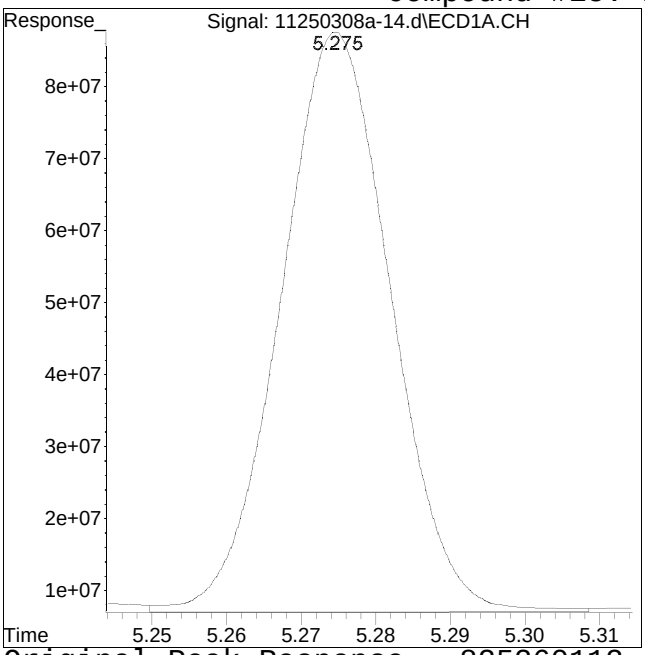
Original Peak Response = 509055474 Manual Peak Response = 466791144 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

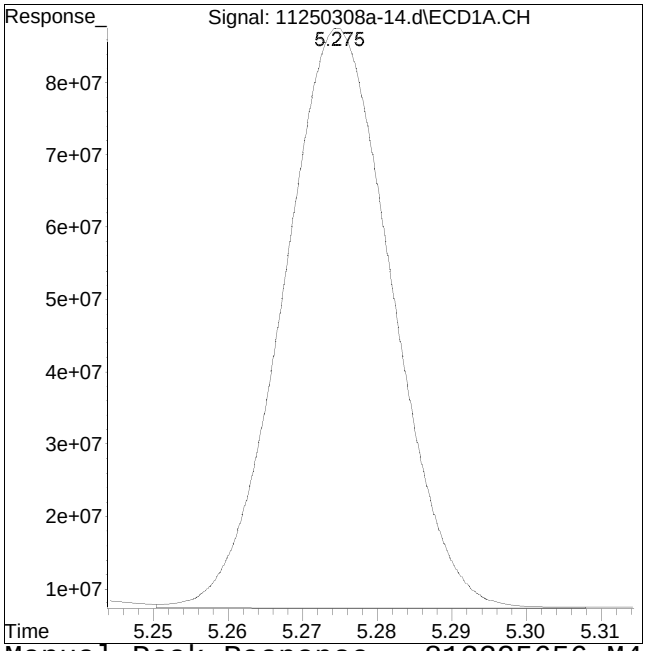
Data Path : I:\PEST\Pest11\2025\250308Q
Data File : 11250308a-14.d
Date Inj'd : 3/8/2025 8:47 am
Sample : WG2037965-5,42,, rvt

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:peg
Instrument : Pest 11
msdQuant Date : 3/8/2025 12:15 pm

Compound #25: Endosulfan Sulfate



Original Peak Response = 825260112



Manual Peak Response = 812225656 M4

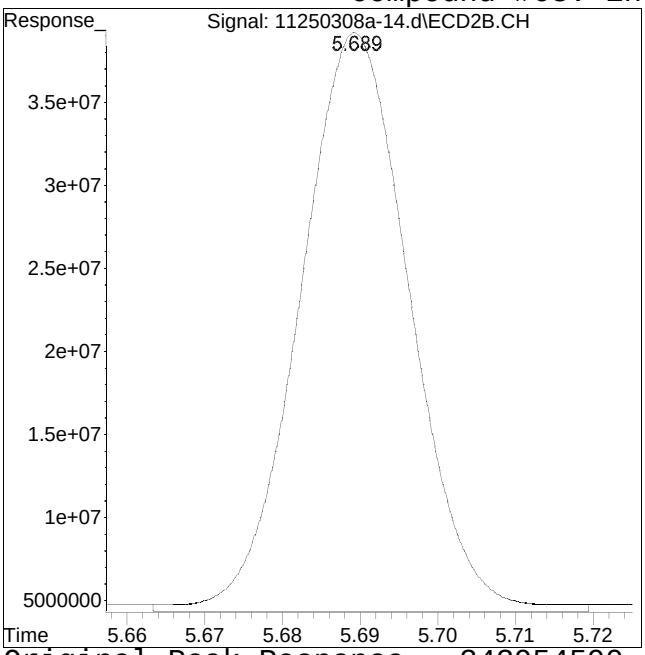
M4 = Poor automated baseline construction.

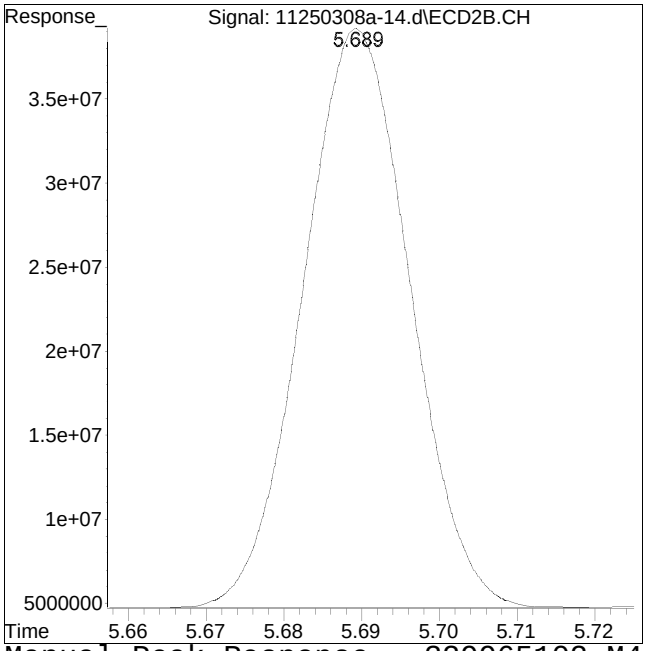
Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308Q
Data File : 11250308a-14.d
Date Inj'd : 3/8/2025 8:47 am
Sample : WG2037965-5,42,, rvt msd

Method : pest11_01_06_25_ugL_ICAL
Operator : PEST11:peg
Instrument : Pest 11
Quant Date : 3/8/2025 12:15 pm

Compound #63: Endosulfan Sulfate #2



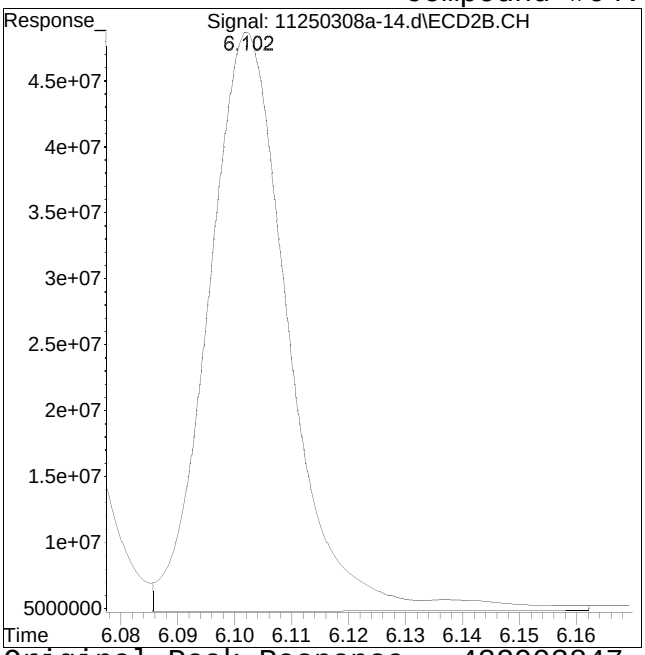


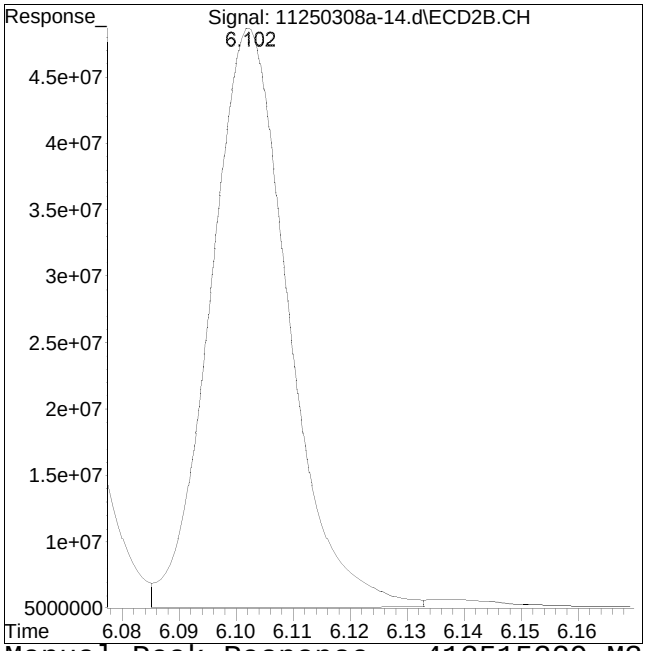
Original Peak Response = 343954590 Manual Peak Response = 329965102 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-14.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:47 am Instrument : Pest 11
Sample : WG2037965-5,42,, rvt msdQuant Date : 3/8/2025 12:15 pm

Compound #64: Endrin Ketone #2



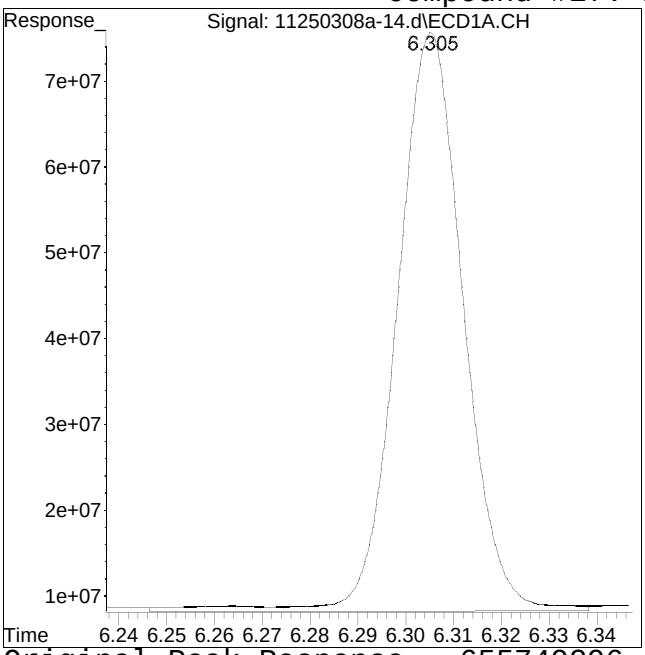


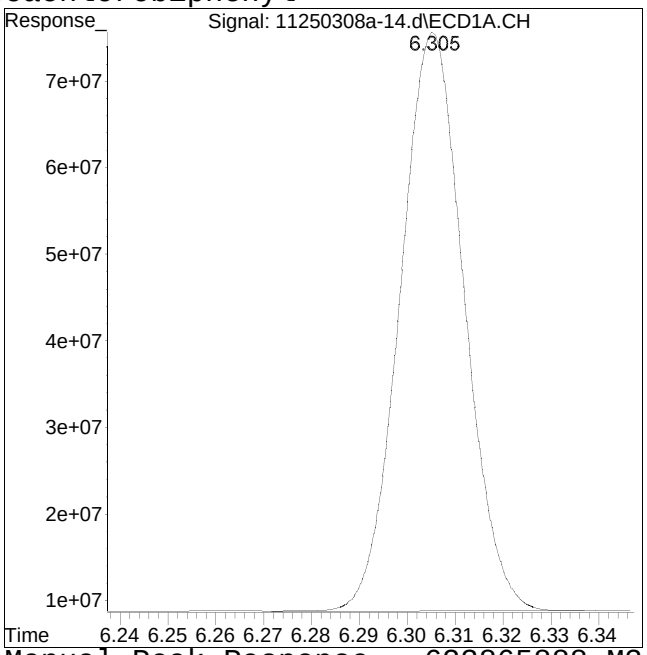
Original Peak Response = 432903847 Manual Peak Response = 413515229 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-14.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:47 am Instrument : Pest 11
Sample : WG2037965-5,42,, rvt msdQuant Date : 3/8/2025 12:15 pm

Compound #27: Decachlorobiphenyl



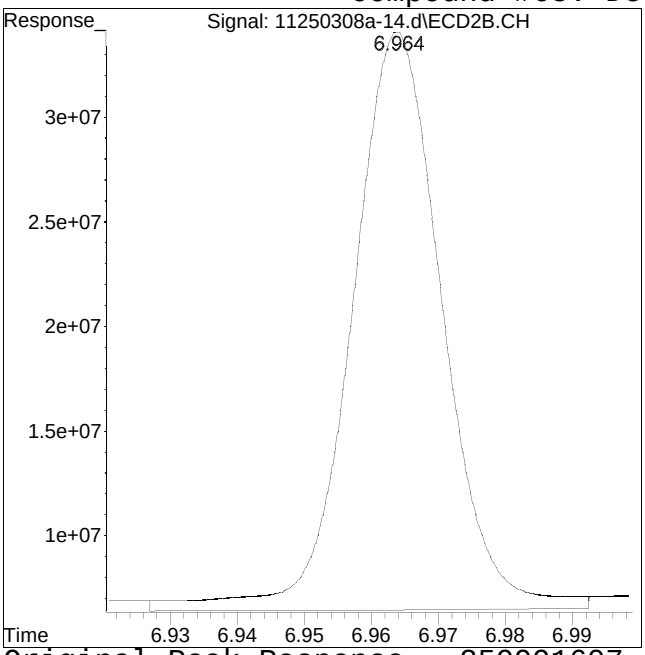


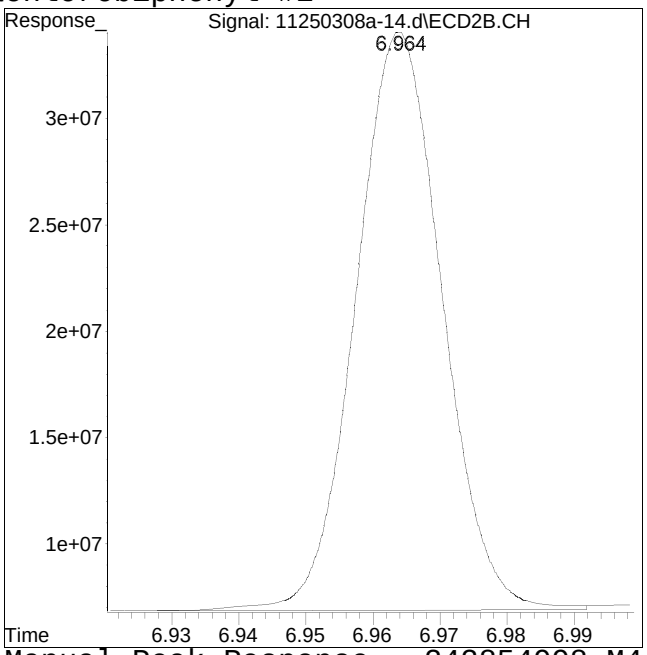
Original Peak Response = 655749296 Manual Peak Response = 623865888 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2025\250308QMethod : pest11_01_06_25_ugL_ICAL
Data File : 11250308a-14.d Operator : PEST11:peg
Date Inj'd : 3/8/2025 8:47 am Instrument : Pest 11
Sample : WG2037965-5,42,, rvt msdQuant Date : 3/8/2025 12:15 pm

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 259991607 Manual Peak Response = 242854998 M4
M4 = Poor automated baseline construction.

Calculation of PCB Aroclors & Pesticides

Aqueous Concentration Formula:
Amt * DF*(Vt/Vp)*(1000/Vo)*(Ve/1000)

Where:
DF = Dilution Factor
Vt = Extract Final Volume (mL)
Vp = Aliquot Cleaned (mL)
Vo = Volume of Sample (mL)
Ve = Extraction Lab Final Volume (mL)

Soil Concentration Formula:
Amt * DF * (Vt/Vp)*(1000/Wt)*(Ve/1000)* (100/TS)

Where:
DF = Dilution Factor
Vt = Extract Final Volume (mL)
Vp = Aliquot Cleaned (mL)
Wt = Weight of Sample (g)
Ve = Extraction Lab Final Volume (mL)
TS = Total Solids

Dep.: PEST
Inst: PEST_10
Date: **12/12/24**
Run: ical

Method
GC: pest

Seq: WG2009688
IS: pp11883

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
1	10241212i-01	blank,42e,,pp 11883 -				
2	10241212i-02	pem-01,42e,,pp 11667 -				EJL 12/13
3	10241212i-03	il1pest,42e,,pp 11929 L0.0005				EJL 12/13
4	10241212i-04	il2pest,42e,,pp 11929 L0.001				EJL 12/13
5	10241212i-05	il3pest,42e,,pp 11929 L0.002				EJL 12/13
6	10241212i-06	il4pest,42e,,pp 11929 L0.003				EJL 12/13
7	10241212i-07	il5pest,42e,,pp 11929 L0.004				EJL 12/13
8	10241212i-08	il7pest,42e,,pp 11929 L0.01				EJL 12/13
9	10241212i-09	il8pest,42e,,pp 11929 L0.05				EJL 12/13
10	10241212i-10	il9pest,42e,,pp 11929 L0.1				EJL 12/13
11	10241212i-11	il10pest,42e,,pp 11929 L0.2				EJL 12/13
12	10241212i-12	il11pest,42e,,pp 11929 L0.4				EJL 12/13
13	10241212i-13	cicvpest,42e,,pp 11868 L0.05ICV	remake, concentrated			
14	10241212i-14	il2chlor,42e,,pp 11930 L0.01				EJL 12/13
15	10241212i-15	il3chlor,42e,,pp 11930 L0.02				EJL 12/13
16	10241212i-16	il4chlor,42e,,pp 11930 L0.05				EJL 12/13
17	10241212i-17	il5chlor,42e,,pp 11930 L0.1				EJL 12/13
18	10241212i-18	il7chlor,42e,,pp 11930 L0.5				EJL 12/13
19	10241212i-19	il8chlor,42e,,pp 11930 L1.0				EJL 12/13
20	10241212i-20	il9chlor,42e,,pp 11930 L2.0				EJL 12/13
21	10241212i-21	il10chlor,42e,,pp 11930 L5.0	Not used			
22	10241212i-22	cicvchlor,42e,,pp 11924 L1.0ICV				EJL 12/13
23	10241212i-23	il3tox,42e,,pp 11918 L0.02				EJL 12/13
24	10241212i-24	il4tox,42e,,pp 11918 L0.1				EJL 12/13
25	10241212i-25	il7tox,42e,,pp 11918 L1.0				EJL 12/13
26	10241212i-26	il8tox,42e,,pp 11918 L2.0				EJL 12/13
27	10241212i-27	il9tox,42e,,pp 11918 L5.0				EJL 12/13
28	10241212i-28	cicvtox,42e,,pp 11899 L2.0ICV			ejl	EJL 12/13
29	10241212i-29	blank,42e,,pp 11883 -				
30	10241212i-30	pem-02,42e,,pp 11667 -				EJL 12/13
31	10241212i-31	cicvpest,42e,,pp 11934 L0.05ICV			ejl	EJL 12/13

Dep.: PEST
Inst: PEST_20
Date: **01/03/25**
Run: ical

Method
GC: pest

Seq: WG2016937
IS: pp11883

Vial	data file	Sample	CCAL/Notes	Screen	Verified	initials
1	20250103i-01	blank,42e,,pp 11883 -				
2	20250103i-02	pem20250103i-01,42e,,pp 11667 -				EJL 1/6
3	20250103i-03	il1pest,42e,,pp 11941 L0.0005				EJL 1/6
4	20250103i-04	il2pest,42e,,pp 11941 L0.001				EJL 1/6
5	20250103i-05	il3pest,42e,,pp 11941 L0.002				EJL 1/6
6	20250103i-06	il4pest,42e,,pp 11941 L0.003				EJL 1/6
7	20250103i-07	il5pest,42e,,pp 11941 L0.004				EJL 1/6
8	20250103i-08	il7pest,42e,,pp 11941 L0.01				EJL 1/6
9	20250103i-09	il8pest,42e,,pp 11941 L0.05				EJL 1/6
10	20250103i-10	il9pest,42e,,pp 11941 L0.1				EJL 1/6
11	20250103i-11	il10pest,42e,,pp 11941 L0.2				EJL 1/6
12	20250103i-12	il11pest,42e,,pp 11941 L0.4				EJL 1/6
13	20250103i-13	cicvpest,42e,,pp 11934 L0.05ICV				EJL 1/6
14	20250103i-14	il2chlor,42e,,pp 11939 L0.01				EJL 1/6
15	20250103i-15	il3chlor,42e,,pp 11939 L0.02				EJL 1/6
16	20250103i-16	il4chlor,42e,,pp 11939 L0.05				EJL 1/6
17	20250103i-17	il5chlor,42e,,pp 11939 L0.1				EJL 1/6
18	20250103i-18	il7chlor,42e,,pp 11939 L0.5				EJL 1/6
19	20250103i-19	il8chlor,42e,,pp 11939 L1.0				EJL 1/6
20	20250103i-20	il9chlor,42e,,pp 11939 L2.0				EJL 1/6
21	20250103i-21	il10chlor,42e,,pp 11939 L5.0	Not used			
22	20250103i-22	cicvchlor,42e,,pp 11924 L1.0ICV				EJL 1/6
23	20250103i-23	il3tox,42e,,pp 11948 L0.02				EJL 1/6
24	20250103i-24	il4tox,42e,,pp 11948 L0.1				EJL 1/6
25	20250103i-25	il7tox,42e,,pp 11948 L1.0				EJL 1/6
26	20250103i-26	il8tox,42e,,pp 11948 L2.0				EJL 1/6
27	20250103i-27	il9tox,42e,,pp 11948 L5.0				EJL 1/6
28	20250103i-28	cicvtox,42e,,pp 11899 L2.0ICV			ejl	EJL 1/6

Dep.: PEST
Inst: PEST_11
Date: **01/06/25**
Run: ical

Method
GC: pest

Seq: WG2017687
IS: pp11883

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
1	11250106i-01	blank,42e,,pp 11883 -				
2	11250106i-02	pem-01,42e,,pp 11667 -				EJL 1/7
3	11250106i-03	il1pest,42e,,pp 11941 L0.0005				EJL 1/7
4	11250106i-04	il2pest,42e,,pp 11941 L0.001				EJL 1/7
5	11250106i-05	il3pest,42e,,pp 11941 L0.002				EJL 1/7
6	11250106i-06	il4pest,42e,,pp 11941 L0.003				EJL 1/7
7	11250106i-07	il5pest,42e,,pp 11941 L0.004				EJL 1/7
8	11250106i-08	il7pest,42e,,pp 11941 L0.01				EJL 1/7
9	11250106i-09	il8pest,42e,,pp 11941 L0.05				EJL 1/7
10	11250106i-10	il9pest,42e,,pp 11941 L0.1				EJL 1/7
11	11250106i-11	il10pest,42e,,pp 11941 L0.2				EJL 1/7
12	11250106i-12	il11pest,42e,,pp 11941 L0.4				EJL 1/7
13	11250106i-13	cicvpest,42e,,pp 11934 L0.05ICV				EJL 1/7
14	11250106i-14	il2chlor,42e,,pp 11939 L0.01				EJL 1/7
15	11250106i-15	il3chlor,42e,,pp 11939 L0.02				EJL 1/7
16	11250106i-16	il4chlor,42e,,pp 11939 L0.05				EJL 1/7
17	11250106i-17	il5chlor,42e,,pp 11939 L0.1				EJL 1/7
18	11250106i-18	il7chlor,42e,,pp 11939 L0.5				EJL 1/7
19	11250106i-19	il8chlor,42e,,pp 11939 L1.0				EJL 1/7
20	11250106i-20	il9chlor,42e,,pp 11939 L2.0				EJL 1/7
21	11250106i-21	il10chlor,42e,,pp 11939 L5.0	Not used			
22	11250106i-22	cicvchlor,42e,,pp 11924 L1.0ICV				EJL 1/7
23	11250106i-23	il3tox,42e,,pp 11948 L0.02				EJL 1/7
24	11250106i-24	il4tox,42e,,pp 11948 L0.1				EJL 1/7
25	11250106i-25	il7tox,42e,,pp 11948 L1.0				EJL 1/7
26	11250106i-26	il8tox,42e,,pp 11948 L2.0				EJL 1/7
27	11250106i-27	il9tox,42e,,pp 11948 L5.0				EJL 1/7
28	11250106i-28	cicvtox,42e,,pp 11899 L2.0ICV			akm	EJL 1/7

Dep.: PEST
Inst: PEST_11
Date: **03/08/25**
Run: a

Method
GC: pest

Seq: wg2038031
IS: pp11883

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
1	11250308a-01	blank				
2	11250308a-02	deg11925	5:46			PEG 3/8
3	11250308a-03	pest11934	a: multiple high, b: 20%			PEG 3/8
4	11250308a-04	chlor ccv 12008	15%			PEG 3/8
5	11250308a-05	tox11899	10%			PEG 3/8
6	11250308a-06	blank				
7	11250308a-07	WG2037965-1,42,,	rvt			PEG 3/8
8	11250308a-08	WG2037965-2,42,,	rvt			PEG 3/8
9	11250308a-09	WG2037965-3,42,,	rvt			PEG 3/8
10	11250308a-10	L2512368-07,42,,	rvt			PEG 3/8
11	11250308a-11	L2512368-08,42,,	rvt			PEG 3/8
12	11250308a-12	L2512368-10,42,,	rvt p			PEG 3/8
13	11250308a-13	WG2037965-4,42,,	rvt ms			EJL 3/10
14	11250308a-14	WG2037965-5,42,,	rvt msd			EJL 3/10
15	11250308a-15	L2512368-11,42,,	rvt			PEG 3/8
16	11250308a-16	L2512368-16,42,,	rvt			PEG 3/8
17	11250308a-17	L2512368-17,42,,	rvt			PEG 3/8
18	11250308a-18	L2512368-19,42,,	rvt		peg	PEG 3/8

Dep.: PEST
Inst: PEST_20
Date: **03/09/25**
Run: a

Method
GC: pest

Seq: wg2038287
IS: pp11883

Vial	data file	Sample		CCAL/Notes	Screen	Verified	initials
1	20250308a-01	blank					
2	20250308a-02	deg11925	11:08 (1%)				DLP 3/9
3	20250308a-03	pest11934	a: ddt, methoxy low b: 20%				DLP 3/9
4	20250308a-04	chlor11967					
5	20250308a-05	tox11899	20%				DLP 3/9
6	20250308a-06	blank					
7	20250308a-07	chlor ccv pp120(	15%				DLP 3/9
8	20250308a-08	blank					
9	20250308a-09	WG2038216-1,42,,			dlp		AKM 3/10
10	20250308a-10	WG2038216-2,42,,					AKM 3/10
11	20250308a-11	WG2038216-3,42,,					AKM 3/10
12	20250308a-12	L2512218-02,42,,		rr ddt			
13	20250308a-13	L2512218-03,42,,		rr ddt			
14	20250308a-14	L2512218-04,42,,					AKM 3/10
15	20250308a-15	WG2038040-1,42,,	mcp				AKM 3/10
16	20250308a-16	WG2038040-2,42,,	mcp				AKM 3/10
17	20250308a-17	WG2038040-3,42,,	mcp				AKM 3/10
18	20250308a-18	L2513037-01,42,,	mcp	rr ddt			
19	20250308a-19	L2513037-02,42,,	mcp	rr ddt			
20	20250308a-20	L2513072-01,42,,	mcp	rr ddt	akm		
21	20250308a-21	L2513072-02,42,,	mcp	rr ddt			
22	20250308a-22	L2513109-04,42,,	mcp	rr ddt			
23	20250308a-23	L2513141-02,42,,	mcp	inst failted, rr			
24	20250308a-24	L2513157-02,42,,	mcp	rr			
25	20250308a-25	L2513158-02,42,,	mcp	rr			
26	20250308a-26	L2513158-04,42,,	mcp	rr		dlp	

Dep.: PEST
Inst: PEST_10
Date: **03/10/25**
Run: a

Method
GC: pest

Seq: wg2038433
IS: pp11883

Vial	Data File	Sample		CCAL/Notes	Screen	Verified	initials
1	10250310a-01	blank					
2	10250310a-02	deg11925	5:49				AKM 3/10
3	10250310a-03	pest11934	a: hexa, end alde low				AKM 3/10
4	10250310a-04	chlor 11924		rr high			
5	10250310a-05	tox11899	10%				AKM 3/10
6	10250310a-06	blank					
7	10250310a-07	chlor11967	15%				AKM 3/10
8	10250310a-08	blank					
9	10250310a-09	WG2038289-1,42,, t		t 05-mar-25 12:50	akm		AKM 3/10
10	10250310a-10	WG2038289-2,42,, t		t 05-mar-25 12:50			AKM 3/10
11	10250310a-11	WG2038289-3,42,, t		t 05-mar-25 12:50			AKM 3/10
12	10250310a-12	L2511950-11,42,,,R3E t		rrs			
13	10250310a-13	L2511830-01,42,, t		t 06-mar-25 22:00			AKM 3/10
14	10250310a-14	L2511830-07,42,, t		t 06-mar-25 22:00			AKM 3/10
15	10250310a-15	L2511830-10,42,, t		t 06-mar-25 22:00			AKM 3/10
16	10250310a-16	L2511830-13,42,, t		t 06-mar-25 22:00			
17	10250310a-17	L2511830-16,42,, t		rrs			
18	10250310a-18	L2512368-01,42,,					AKM 3/10
19	10250310a-19	L2512368-02,42,,					AKM 3/10
20	10250310a-20	L2512368-04,42,,					AKM 3/10
21	10250310a-21	L2512368-05,42,,					AKM 3/10
22	10250310a-22	L2512568-01,42,,					AKM 3/10
23	10250310a-23	WG2038290-1,42,,					AKM 3/10
24	10250310a-24	WG2038290-2,42,,					AKM 3/10
25	10250310a-25	WG2038290-3,42,,					AKM 3/10
26	10250310a-26	L2513116-01,42,,		NOTS			AKM 3/10
27	10250310a-27	L2513116-02,42,, p		NOTS			AKM 3/10
28	10250310a-28	WG2038290-4,42,, ms					
29	10250310a-29	WG2038290-5,42,, dup					
30	10250310a-30	L2513116-03,42,,		NOTS			AKM 3/10
31	10250310a-31	L2513116-04,42,,		NOTS			AKM 3/10
32	10250310a-32	L2513116-05,42,,		NOTS			AKM 3/10
33	10250310a-33	L2513116-06,42,,		NOTS			AKM 3/10
34	10250310a-34	L2513116-07,42,,		NOTS			AKM 3/10
35	10250310a-35	L2513116-08,42,,		NOTS			AKM 3/10
36	10250310a-36	L2513195-01,42,,					AKM 3/10
37	10250310a-37	pest11934		rr low		akm	
38	10250310a-38	pest11934	a/b: end alde low, a: hexa, dde, endo1, ddt low				AKM 3/10
39	10250310a-39	blank					
40	10250310a-40	WG2038369-1,42,, t		t 07-mar-25 19:28			EJL 3/10
41	10250310a-41	WG2038369-2,42,, t		t 07-mar-25 19:28			EJL 3/10
42	10250310a-42	WG2038369-3,42,, t		t 07-mar-25 19:28			EJL 3/10
43	10250310a-43	L2511950-11,42,,,R3E t rrs		surr low, re-ex	EJL		
44	10250310a-44	L2511830-16,42,, t rrs		surr low, re-ex			

Dep.: PEST
Inst: PEST_10
Date: **03/10/25**
Run: a

Method
GC: pest

Seq: wg2038433
IS: pp11883

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
45	10250310a-45	L2511830-04,42,, t	t 07-mar-25 19:28		akm	EJL 3/10

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Mar 11 2025, 02:49 pm

Work Group: WG2037965 for Department: 2 Organic Preparation

Created: 07-MAR-25 Due: Operator: DNR

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2512368-07	7A	S	NYTCL-8081-RVT	WATER	DONE	U	0312	0312	S0	Amber-A.1
L2512368-08	7B	S	NYTCL-8081-RVT	WATER	DONE	U	0312	0312	S0	Amber-A.1
L2512368-10	8A	S	NYTCL-8081-RVT	WATER	DONE	U	0312	0312	S0	Amber-A.1
L2512368-11	8B	S	NYTCL-8081-RVT	WATER	DONE	U	0312	0312	S0	Amber-A.1
L2512368-16	10A	S	NYTCL-8081-RVT	WATER	DONE	U	0312	0312	S0	Amber-A.1
L2512368-17	10B	S	NYTCL-8081-RVT	WATER	DONE	U	0312	0312	S0	Amber-A.1
L2512368-19	DUP001	S	NYTCL-8081-RVT	WATER	DONE	U	0312	0312	S0	Amber-A.1
WG2037965-1	Laboratory Method Bl	S	NYTCL-8081-RVT	WATER	DONE	U				
WG2037965-2	Laboratory Control S	S	NYTCL-8081-RVT	WATER	DONE	U				
WG2037965-3	LCS Duplicate	S	NYTCL-8081-RVT	WATER	DONE	U				
WG2037965-4	Matrix Spike	S	NYTCL-8081-RVT	WATER	DONE	U				
WG2037965-5	Matrix Spike Duplica	S	NYTCL-8081-RVT	WATER	DONE	U				

Comments:

WG2037965-3	WG2037965-2
WG2037965-4	L2512368-10
WG2037965-5	L2512368-10

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Mar 11 2025, 02:49 pm

Work Group: WG2038216 for Department: 2 Organic Preparation

Created: 09-MAR-25 Due: Operator: CLT

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2512218-02	FB20250305	C	NYTCL-8081-RVT	WATER	DONE	U	0312	0312	S0	Amber-A.1
L2512218-03	RI-MW-8	C	NYTCL-8081-RVT	WATER	DONE	U	0312	0312	S0	Amber-A.1
L2512218-04	RI-MW-9	C	NYTCL-8081-RVT	WATER	DONE	U	0312	0312	S0	Amber-A.1
L2512368-01	5A	S	NYTCL-8081-RVT	WATER	DONE	U	0312	0312	S0	Amber-A.1
L2512368-02	5B	S	NYTCL-8081-RVT	WATER	DONE	U	0312	0312	S0	Amber-A.1
L2512368-04	6A	S	NYTCL-8081-RVT	WATER	DONE	U	0312	0312	S0	Amber-A.1
L2512368-05	6B	S	NYTCL-8081-RVT	WATER	DONE	U	0312	0312	S0	Amber-A.1
L2512568-01	GW-TS-8	C	NYTCL-8081-RVT	WATER	DONE	U	0313	0313	S0	Amber-A.1
WG2038216-1	Laboratory Method Bl	S	NYTCL-8081-RVT	WATER	DONE	U				
WG2038216-2	Laboratory Control S	S	NYTCL-8081-RVT	WATER	DONE	U				
WG2038216-3	LCS Duplicate	S	NYTCL-8081-RVT	WATER	DONE	U				

Comments:

WG2038216-3 WG2038216-2

ORGANIC ELN REPORT

Workgroup: WG2038216

Prep Method: EPA 3510C
Solvent Type: DCM **Lot #:** EJ756
Surrogate Type: Pesticide/PCB **Lot #:** pp11950-AK 07/03/2025
Spike Type: Pesticide **Lot #:** pp11951AH,07/03/2025,7C,10,1
Spike Verify by: CLT/SHD/DNR/RSI
Lims Spikelot: PEST-RVT

Additional Reagents/Stds

Na2SO4	23K2961078

Conc.Method: S-EVAP/N-EVAP
Solvent Type: Hexane
Lot #: 241019

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type: **Lot #:**

Additional Reagents/Stds

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L2512218-02 SAMP	03/09/25 03:35	Samy Dakkash	100	>5, <9	.1		03/09/25 09:34	Tian-Long Chheou	1	D, K, 3
L2512218-03 SAMP	03/09/25 03:35	Samy Dakkash	100	>5, <9	.1		03/09/25 09:34	Tian-Long Chheou	1	D, K, 3
L2512218-04 SAMP	03/09/25 03:35	Samy Dakkash	100	>5, <9	.1		03/09/25 09:34	Tian-Long Chheou	1	D, K, 3
L2512368-01 SAMP	03/09/25 16:00	Richard Nyarko	100	>5,<9	.1		03/09/25 21:53	Ethan Jordan	1	D / K / #3
L2512368-02 SAMP	03/09/25 16:00	Richard Nyarko	100	>5,<9	.1		03/09/25 21:53	Ethan Jordan	1	D / K / #3
L2512368-04 SAMP	03/09/25 16:00	Richard Nyarko	100	>5,<9	.1		03/09/25 21:53	Ethan Jordan	1	D / K / #3
L2512368-05 SAMP	03/09/25 16:00	Richard Nyarko	100	>5,<9	.1		03/09/25 21:53	Ethan Jordan	1	D / K / #3

Reported: 11-MAR-25 02:49 PM

ORGANIC ELN REPORT

Workgroup: WG2038216

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2512568-01 SAMP	03/09/25 16:00	Richard Nyarko	100	>5,<9	.1		03/09/25 21:53	Ethan Jordan	1	D / K / #3
WG2038216-1 BLANK	03/09/25 03:35	Samy Dakkash	100	>5, <9	.1		03/09/25 09:34	Tian-Long Chheou	1	D, K, 3
WG2038216-2 LCS	03/09/25 03:35	Samy Dakkash	100	>5, <9	.1	.1	03/09/25 09:34	Tian-Long Chheou	1	D, K, 3
WG2038216-3 LCSD	03/09/25 03:35	Samy Dakkash	100	>5, <9	.1	.1	03/09/25 09:34	Tian-Long Chheou	1	D, K, 3

ORGANIC ELN REPORT

Workgroup: WG2037965

Prep Method: EPA 3510C
Solvent Type: DCM
Surrogate Type: Pesticide/PCB
Spike Type: Pesticide
Spike Verify by: DAE/YAS/DNR
Lims Spikelot: PEST-RVT

Lot #: EJ756
Lot #: PP11950af,07/03/2025,7c,13,1
Lot #: pp11951AH,07/03/2025,7C,10,1

Additional Reagents/Stds

Na2SO4	23K2961078

Conc.Method: S-EVAP/N-EVAP
Solvent Type: Hexane
Lot #: 241019

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type:
Lot #:

Additional Reagents/Stds

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L2512368-07 SAMP	03/07/25 20:49	Daniel Erhagbai	100	>5,<9	.1		03/08/25 01:24	Michael Ampaabeng	1	E/A/#6
L2512368-08 SAMP	03/07/25 20:49	Daniel Erhagbai	100	>5,<9	.1		03/08/25 01:24	Michael Ampaabeng	1	E/A/#6
L2512368-10 SAMP	03/07/25 20:49	Daniel Erhagbai	100	>5,<9	.1		03/08/25 01:24	Michael Ampaabeng	1	E/A/#6
L2512368-11 SAMP	03/07/25 20:49	Daniel Erhagbai	100	>5,<9	.1		03/08/25 01:24	Michael Ampaabeng	1	E/A/#6
L2512368-16 SAMP	03/07/25 20:49	Daniel Erhagbai	100	>5,<9	.1		03/08/25 01:24	Michael Ampaabeng	1	E/A/#6
L2512368-17 SAMP	03/07/25 20:49	Daniel Erhagbai	100	>5,<9	.1		03/08/25 01:24	Michael Ampaabeng	1	E/A/#6

Reported: 11-MAR-25 02:49 PM

ORGANIC ELN REPORT

Workgroup: WG2037965

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2512368-19 SAMP	03/07/25 20:49	Daniel Erhagbai	100	>5,<9	.1		03/08/25 01:24	Michael Ampaabeng	1	E/A/#6
WG2037965-1 BLANK	03/07/25 20:49	Daniel Erhagbai	100	>5,<9	.1		03/08/25 01:24	Michael Ampaabeng	1	E/A/#6
WG2037965-2 LCS	03/07/25 20:49	Daniel Erhagbai	100	>5,<9	.1	.1	03/08/25 01:24	Michael Ampaabeng	1	E/A/#6
WG2037965-3 LCSD	03/07/25 20:49	Daniel Erhagbai	100	>5,<9	.1	.1	03/08/25 01:24	Michael Ampaabeng	1	E/A/#6
WG2037965-4 MS	03/07/25 20:49	Daniel Erhagbai	100	>5,<9	.1	.1	03/08/25 01:24	Michael Ampaabeng	1	E/A/#6
WG2037965-5 MSD	03/07/25 20:49	Daniel Erhagbai	100	>5,<9	.1	.1	03/08/25 01:24	Michael Ampaabeng	1	E/A/#6