Report Date:
14-Jul-09 11:58

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

The Chazen Companies
21 Fox Street
Poughkeepsie, NY 12601
Attn: Catherine Monian

Project: See COC
Project [none]

Laboratory ID	Client Sample ID	Container	Matrix	Date Sampled	Date Received
SA97199-01	OA-SS-003	Summa canister 6 liter	Soil Gas	01-Jul-09 17:55	02-Jul-09 17:31
SA97199-02	OA-SS-001	Summa canister 6 liter	Soil Gas	01-Jul-09 17:40	02-Jul-09 17:31
SA97199-03	OA-SS-002	Summa canister 6 liter	Soil Gas	01-Jul-09 17:50	02-Jul-09 17:31
SA97199-04	OA-IAQ	Summa canister 6 liter	Air	01-Jul-09 17:55	02-Jul-09 17:31

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

Authorized by:



Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Technical Reviewer's Initial:

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 14 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supercedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report is available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

EPA TO-15

Laboratory Control Samples:

9070583-BS1

Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

Bromoform

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
OA-SS-003	[none]	Soil Gas	01-Jul-09 17:55	02-Jul-09
SA97199-01				

CAS No.	*Analyte(s)*	*Result ppbv*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Cert.*
Air Quality Analyses										
EPA TO-15			Prepared 08-Jul-09				Can pressure: 0			
115-07-1	Propene	< 0.294	0.500	< 0.51	0.86	U	EPA TO-15	08-Jul-09	9070583	
75-71-8	Dichlorodifluoromethane (Freon12)	0.840	0.500	4.15	2.47		"	"	"	X
74-87-3	Chloromethane	0.480	0.500	0.99	1.03	J	"	"	"	X
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	< 0.246	0.500	< 1.72	3.49	U	"	"	"	
75-01-4	Vinyl chloride	< 0.233	0.500	< 0.60	1.28	U	"	"	"	X
106-99-0	1,3-Butadiene	< 0.256	0.500	< 0.57	1.10	U	"	"	"	X
74-83-9	Bromomethane	< 0.212	0.500	< 0.82	1.94	U	"	"	"	X
75-00-3	Chloroethane	< 0.270	0.500	< 0.71	1.32	U	"	"	"	X
67-64-1	Acetone	7.16	0.500	17.01	1.19		"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	0.320	0.500	1.80	2.81	J	"	"	"	X
64-17-5	Ethanol	6.28	0.500	11.84	0.94		"	"	"	
107-13-1	Acrylonitrile	< 0.151	0.500	< 0.33	1.08	U	"	"	"	
75-35-4	1,1-Dichloroethene	< 0.198	0.500	< 0.79	1.98	U	"	"	"	X
75-09-2	Methylene chloride	0.450	0.500	1.56	1.74	J	"	"	"	X
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.225	0.500	< 1.72	3.83	U	"	"	"	X
75-15-0	Carbon disulfide	< 0.186	0.500	< 0.58	1.56	U	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.191	0.500	< 0.76	1.98	U	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.191	0.500	< 0.77	2.02	U	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.192	0.500	< 0.69	1.80	U	"	"	"	X
67-63-0	Isopropyl alcohol	2.34	0.500	5.74	1.23		"	"	"	X
78-93-3	2-Butanone (MEK)	< 0.406	0.500	< 1.20	1.47	U	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.135	0.500	< 0.54	1.98	U	"	"	"	X
110-54-3	Hexane	0.310	0.500	1.09	1.76	J	"	"	"	X
141-78-6	Ethyl acetate	< 0.194	0.500	< 0.70	1.80	U	"	"	"	
67-66-3	Chloroform	< 0.151	0.500	< 0.73	2.43	U	"	"	"	X
109-99-9	Tetrahydrofuran	< 0.225	0.500	< 0.66	1.47	U	"	"	"	
107-06-2	1,2-Dichloroethane	< 0.142	0.500	< 0.57	2.02	U	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.137	0.500	< 0.75	2.73	U	"	"	"	X
71-43-2	Benzene	0.240	0.500	0.77	1.60	J	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.145	0.500	< 0.91	3.15	U	"	"	"	X
110-82-7	Cyclohexane	< 0.214	0.500	< 0.74	1.72	U	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.172	0.500	< 0.79	2.31	U	"	"	"	X
75-27-4	Bromodichloromethane	< 0.180	0.500	< 1.21	3.35	U	"	"	"	X
79-01-6	Trichloroethene	0.530	0.500	2.85	2.69		"	"	"	X
123-91-1	1,4-Dioxane	< 0.391	0.500	< 1.41	1.80	U	"	"	"	
142-82-5	n-Heptane	< 0.138	0.500	< 0.57	2.05	U	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.230	0.500	< 0.94	2.05	U	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.190	0.500	< 0.86	2.27	U	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.159	0.500	< 0.72	2.27	U	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.234	0.500	< 1.28	2.73	U	"	"	"	X
108-88-3	Toluene	1.31	0.500	4.93	1.88		"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.224	0.500	< 0.92	2.05	U	"	"	"	
124-48-1	Dibromochloromethane	< 0.193	0.500	< 1.64	4.26	U	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.150	0.500	< 1.15	3.84	U	"	"	"	X
127-18-4	Tetrachloroethene	7.74	0.500	52.49	3.39		"	"	"	X
108-90-7	Chlorobenzene	< 0.282	0.500	< 1.30	2.30	U	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 0.307	0.500	< 2.11	3.44	U	"	"	"	
100-41-4	Ethylbenzene	< 0.191	0.500	< 0.83	2.17	U	"	"	"	X
179601-23-1	m,p-Xylene	< 0.489	0.500	< 2.12	2.17	U	"	"	"	X
75-25-2	Bromoform	< 0.316	0.500	< 3.27	5.17	U	"	"	"	X
100-42-5	Styrene	< 0.187	0.500	< 0.80	2.13	U	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
OA-SS-003 SA97199-01	[none]	Soil Gas	01-Jul-09 17:55	02-Jul-09

CAS No.	*Analyte(s)*	*Result ppbv*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Cert.*
Air Quality Analyses										
EPA TO-15			Prepared 08-Jul-09				Can pressure: 0			
95-47-6	o-Xylene	< 0.266	0.500	< 1.15	2.17	U	EPA TO-15	08-Jul-09	9070583	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.436	0.500	< 2.99	3.43	U	"	"	"	X
98-82-8	Isopropylbenzene	< 0.259	0.500	< 1.27	2.46	U	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 0.285	0.500	< 1.40	2.46	U	"	"	"	X
622-96-8	4-Ethyltoluene	< 0.280	0.500	< 1.38	2.46	U	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	0.380	0.500	1.87	2.46	J	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.276	0.500	< 1.66	3.01	U	"	"	"	X
100-44-7	Benzyl chloride	< 0.247	0.500	< 1.27	2.58	U	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.259	0.500	< 1.56	3.01	U	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.264	0.500	< 1.45	2.74	U	"	"	"	
99-87-6	4-Isopropyltoluene	< 0.245	0.500	< 1.31	2.68	U	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 0.227	0.500	< 1.36	3.01	U	"	"	"	X
104-51-8	n-Butylbenzene	< 0.213	0.500	< 1.17	2.74	U	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 0.160	0.500	< 1.19	3.71	U	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.248	0.500	< 2.64	5.33	U	"	"	"	X
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*100*	*70-130 %*				"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
OA-SS-001	[none]	Soil Gas	01-Jul-09 17:40	02-Jul-09
SA97199-02				

CAS No.	*Analyte(s)*	*Result ppbv*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Cert.*
Air Quality Analyses										
EPA TO-15			Prepared 08-Jul-09				Can pressure: +1			
115-07-1	Propene	< 5.88	10.0	< 10.12	17.21	U	EPA TO-15	08-Jul-09	9070583	
75-71-8	Dichlorodifluoromethane (Freon12)	117	10.0	578.54	49.45		"	"	"	X
74-87-3	Chloromethane	< 5.73	10.0	< 11.83	20.65	U	"	"	"	X
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	< 4.93	10.0	< 34.46	69.90	U	"	"	"	
75-01-4	Vinyl chloride	< 4.65	10.0	< 11.89	25.56	U	"	"	"	X
106-99-0	1,3-Butadiene	< 5.12	10.0	< 11.31	22.09	U	"	"	"	X
74-83-9	Bromomethane	< 4.23	10.0	< 16.42	38.81	U	"	"	"	X
75-00-3	Chloroethane	< 5.39	10.0	< 14.22	26.38	U	"	"	"	X
67-64-1	Acetone	53.8	10.0	127.84	23.76		"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 5.73	10.0	< 32.20	56.20	U	"	"	"	X
64-17-5	Ethanol	23.4	10.0	44.12	18.85		"	"	"	
107-13-1	Acrylonitrile	< 3.03	10.0	< 6.57	21.68	U	"	"	"	
75-35-4	1,1-Dichloroethene	< 3.96	10.0	< 15.71	39.67	U	"	"	"	X
75-09-2	Methylene chloride	< 5.08	10.0	< 17.64	34.72	U	"	"	"	X
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 4.50	10.0	< 34.49	76.65	U	"	"	"	X
75-15-0	Carbon disulfide	< 3.73	10.0	< 11.61	31.12	U	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 3.82	10.0	< 15.15	39.65	U	"	"	"	X
75-34-3	1,1-Dichloroethane	< 3.82	10.0	< 15.47	40.49	U	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 3.85	10.0	< 13.89	36.07	U	"	"	"	X
67-63-0	Isopropyl alcohol	< 4.13	10.0	< 10.13	24.54	U	"	"	"	X
78-93-3	2-Butanone (MEK)	< 8.11	10.0	< 23.92	29.49	U	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 2.70	10.0	< 10.71	39.65	U	"	"	"	X
110-54-3	Hexane	< 2.63	10.0	< 9.27	35.26	U	"	"	"	X
141-78-6	Ethyl acetate	< 3.88	10.0	< 13.98	36.03	U	"	"	"	
67-66-3	Chloroform	< 3.02	10.0	< 14.70	48.67	U	"	"	"	X
109-99-9	Tetrahydrofuran	< 4.49	10.0	< 13.24	29.49	U	"	"	"	
107-06-2	1,2-Dichloroethane	< 2.85	10.0	< 11.54	40.49	U	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 2.75	10.0	< 15.00	54.56	U	"	"	"	X
71-43-2	Benzene	< 3.03	10.0	< 9.67	31.90	U	"	"	"	X
56-23-5	Carbon tetrachloride	< 2.90	10.0	< 18.24	62.90	U	"	"	"	X
110-82-7	Cyclohexane	< 4.29	10.0	< 14.77	34.42	U	"	"	"	X
78-87-5	1,2-Dichloropropane	< 3.43	10.0	< 15.85	46.22	U	"	"	"	X
75-27-4	Bromodichloromethane	< 3.59	10.0	< 24.05	66.99	U	"	"	"	X
79-01-6	Trichloroethene	< 5.63	10.0	< 30.26	53.74	U	"	"	"	X
123-91-1	1,4-Dioxane	< 7.82	10.0	< 28.15	35.99	U	"	"	"	
142-82-5	n-Heptane	< 2.75	10.0	< 11.27	40.98	U	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 4.59	10.0	< 18.81	40.98	U	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 3.81	10.0	< 17.30	45.40	U	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 3.18	10.0	< 14.44	45.40	U	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 4.68	10.0	< 25.53	54.56	U	"	"	"	X
108-88-3	Toluene	371	10.0	1395.99	37.63		"	"	"	X
591-78-6	2-Hexanone (MBK)	< 4.47	10.0	< 18.32	40.98	U	"	"	"	
124-48-1	Dibromochloromethane	< 3.86	10.0	< 32.88	85.19	U	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 3.00	10.0	< 23.06	76.85	U	"	"	"	X
127-18-4	Tetrachloroethene	1200	10.0	8137.42	67.81		"	"	"	X
108-90-7	Chlorobenzene	< 5.64	10.0	< 25.97	46.05	U	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 6.15	10.0	< 42.26	68.71	U	"	"	"	
100-41-4	Ethylbenzene	< 3.82	10.0	< 16.56	43.35	U	"	"	"	X
179601-23-1	m,p-Xylene	< 9.78	10.0	< 42.40	43.35	U	"	"	"	X
75-25-2	Bromoform	< 6.33	10.0	< 65.42	103.35	U	"	"	"	X
100-42-5	Styrene	< 3.74	10.0	< 15.91	42.54	U	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
OA-SS-001	[none]	Soil Gas	01-Jul-09 17:40	02-Jul-09
SA97199-02				

CAS No.	*Analyte(s)*	*Result ppbv*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Cert.*
Air Quality Analyses										
EPA TO-15			Prepared 08-Jul-09				Can pressure: +1			
95-47-6	o-Xylene	< 5.33	10.0	< 23.11	43.35	U	EPA TO-15	08-Jul-09	9070583	X
79-34-5	1,1,2,2-Tetrachloroethane	< 8.71	10.0	< 59.81	68.67	U	"	"	"	X
98-82-8	Isopropylbenzene	< 5.19	10.0	< 25.51	49.16	U	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 5.70	10.0	< 28.02	49.16	U	"	"	"	X
622-96-8	4-Ethyltoluene	< 5.59	10.0	< 27.48	49.16	U	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 5.22	10.0	< 25.66	49.16	U	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 5.53	10.0	< 33.25	60.12	U	"	"	"	X
100-44-7	Benzyl chloride	< 4.93	10.0	< 25.41	51.53	U	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 5.19	10.0	< 31.20	60.12	U	"	"	"	X
135-98-8	sec-Butylbenzene	< 5.29	10.0	< 29.04	54.89	U	"	"	"	
99-87-6	4-Isopropyltoluene	< 4.91	10.0	< 26.35	53.66	U	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 4.54	10.0	< 27.30	60.12	U	"	"	"	X
104-51-8	n-Butylbenzene	< 4.26	10.0	< 23.38	54.89	U	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 3.19	10.0	< 23.68	74.23	U	"	"	"	X
87-68-3	Hexachlorobutadiene	< 4.96	10.0	< 52.89	106.63	U	"	"	"	X
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*95*	*70-130 %*				"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
OA-SS-002	[none]	Soil Gas	01-Jul-09 17:50	02-Jul-09
SA97199-03				

CAS No.	*Analyte(s)*	*Result ppbv*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Cert.*
Air Quality Analyses										
EPA TO-15			Prepared 08-Jul-09				Can pressure: 0			
115-07-1	Propene	< 0.588	1.00	< 1.01	1.72	U	EPA TO-15	08-Jul-09	9070583	
75-71-8	Dichlorodifluoromethane (Freon12)	1.40	1.00	6.92	4.94		"	"	"	X
74-87-3	Chloromethane	< 0.573	1.00	< 1.18	2.07	U	"	"	"	X
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	< 0.493	1.00	< 3.45	6.99	U	"	"	"	
75-01-4	Vinyl chloride	< 0.465	1.00	< 1.19	2.56	U	"	"	"	X
106-99-0	1,3-Butadiene	< 0.512	1.00	< 1.13	2.21	U	"	"	"	X
74-83-9	Bromomethane	< 0.423	1.00	< 1.64	3.88	U	"	"	"	X
75-00-3	Chloroethane	< 0.539	1.00	< 1.42	2.64	U	"	"	"	X
67-64-1	Acetone	17.0	1.00	40.40	2.38		"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.573	1.00	< 3.22	5.62	U	"	"	"	X
64-17-5	Ethanol	4.94	1.00	9.31	1.89		"	"	"	
107-13-1	Acrylonitrile	< 0.303	1.00	< 0.66	2.17	U	"	"	"	
75-35-4	1,1-Dichloroethene	< 0.396	1.00	< 1.57	3.97	U	"	"	"	X
75-09-2	Methylene chloride	< 0.508	1.00	< 1.76	3.47	U	"	"	"	X
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.450	1.00	< 3.45	7.66	U	"	"	"	X
75-15-0	Carbon disulfide	< 0.373	1.00	< 1.16	3.11	U	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.382	1.00	< 1.51	3.97	U	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.382	1.00	< 1.55	4.05	U	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.385	1.00	< 1.39	3.61	U	"	"	"	X
67-63-0	Isopropyl alcohol	1.34	1.00	3.29	2.45		"	"	"	X
78-93-3	2-Butanone (MEK)	< 0.811	1.00	< 2.39	2.95	U	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.270	1.00	< 1.07	3.97	U	"	"	"	X
110-54-3	Hexane	< 0.263	1.00	< 0.93	3.53	U	"	"	"	X
141-78-6	Ethyl acetate	< 0.388	1.00	< 1.40	3.60	U	"	"	"	
67-66-3	Chloroform	0.720	1.00	3.50	4.87	J	"	"	"	X
109-99-9	Tetrahydrofuran	< 0.449	1.00	< 1.32	2.95	U	"	"	"	
107-06-2	1,2-Dichloroethane	< 0.285	1.00	< 1.15	4.05	U	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.275	1.00	< 1.50	5.46	U	"	"	"	X
71-43-2	Benzene	2.12	1.00	6.76	3.19		"	"	"	X
56-23-5	Carbon tetrachloride	< 0.290	1.00	< 1.82	6.29	U	"	"	"	X
110-82-7	Cyclohexane	0.460	1.00	1.58	3.44	J	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.343	1.00	< 1.59	4.62	U	"	"	"	X
75-27-4	Bromodichloromethane	< 0.359	1.00	< 2.41	6.70	U	"	"	"	X
79-01-6	Trichloroethene	1.74	1.00	9.35	5.37		"	"	"	X
123-91-1	1,4-Dioxane	< 0.782	1.00	< 2.81	3.60	U	"	"	"	
142-82-5	n-Heptane	< 0.275	1.00	< 1.13	4.10	U	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.459	1.00	< 1.88	4.10	U	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.381	1.00	< 1.73	4.54	U	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.318	1.00	< 1.44	4.54	U	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.468	1.00	< 2.55	5.46	U	"	"	"	X
108-88-3	Toluene	138	1.00	519.26	3.76		"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.447	1.00	< 1.83	4.10	U	"	"	"	
124-48-1	Dibromochloromethane	< 0.386	1.00	< 3.29	8.52	U	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.300	1.00	< 2.31	7.69	U	"	"	"	X
127-18-4	Tetrachloroethene	114	1.00	773.06	6.78		"	"	"	X
108-90-7	Chlorobenzene	< 0.564	1.00	< 2.60	4.61	U	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 0.615	1.00	< 4.23	6.87	U	"	"	"	
100-41-4	Ethylbenzene	< 0.382	1.00	< 1.66	4.34	U	"	"	"	X
179601-23-1	m,p-Xylene	1.88	1.00	8.15	4.34		"	"	"	X
75-25-2	Bromoform	< 0.633	1.00	< 6.54	10.34	U	"	"	"	X
100-42-5	Styrene	< 0.374	1.00	< 1.59	4.25	U	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
OA-SS-002	[none]	Soil Gas	01-Jul-09 17:50	02-Jul-09
SA97199-03				

CAS No.	*Analyte(s)*	*Result ppbv*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Cert.*
Air Quality Analyses										
EPA TO-15			Prepared 08-Jul-09				Can pressure: 0			
95-47-6	o-Xylene	< 0.533	1.00	< 2.31	4.34	U	EPA TO-15	08-Jul-09	9070583	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.871	1.00	< 5.98	6.87	U	"	"	"	X
98-82-8	Isopropylbenzene	< 0.519	1.00	< 2.55	4.92	U	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 0.570	1.00	< 2.80	4.92	U	"	"	"	X
622-96-8	4-Ethyltoluene	< 0.559	1.00	< 2.75	4.92	U	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 0.522	1.00	< 2.57	4.92	U	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.553	1.00	< 3.32	6.01	U	"	"	"	X
100-44-7	Benzyl chloride	< 0.493	1.00	< 2.54	5.15	U	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.519	1.00	< 3.12	6.01	U	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.529	1.00	< 2.90	5.49	U	"	"	"	
99-87-6	4-Isopropyltoluene	< 0.491	1.00	< 2.63	5.37	U	"	"	"	
95-50-1	1,2-Dichlorobenzene	0.600	1.00	3.61	6.01	J	"	"	"	X
104-51-8	n-Butylbenzene	< 0.426	1.00	< 2.34	5.49	U	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 0.319	1.00	< 2.37	7.42	U	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.496	1.00	< 5.29	10.66	U	"	"	"	X
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*100*	*70-130 %*				"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
OA-IAQ	[none]	Air	01-Jul-09 17:55	02-Jul-09
SA97199-04				

CAS No.	*Analyte(s)*	*Result ppbv*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Cert.*
Air Quality Analyses										
EPA TO-15			Prepared 08-Jul-09				Can pressure: +1			
115-07-1	Propene	0.920	0.500	1.58	0.86		EPA TO-15	08-Jul-09	9070583	
75-71-8	Dichlorodifluoromethane (Freon12)	0.850	0.500	4.20	2.47		"	"	"	X
74-87-3	Chloromethane	0.480	0.500	0.99	1.03	J	"	"	"	X
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	< 0.246	0.500	< 1.72	3.49	U	"	"	"	
75-01-4	Vinyl chloride	< 0.233	0.500	< 0.60	1.28	U	"	"	"	X
106-99-0	1,3-Butadiene	< 0.256	0.500	< 0.57	1.10	U	"	"	"	X
74-83-9	Bromomethane	< 0.212	0.500	< 0.82	1.94	U	"	"	"	X
75-00-3	Chloroethane	< 0.270	0.500	< 0.71	1.32	U	"	"	"	X
67-64-1	Acetone	8.95	0.500	21.27	1.19		"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	0.310	0.500	1.74	2.81	J	"	"	"	X
64-17-5	Ethanol	9.75	0.500	18.38	0.94		"	"	"	
107-13-1	Acrylonitrile	< 0.151	0.500	< 0.33	1.08	U	"	"	"	
75-35-4	1,1-Dichloroethene	< 0.198	0.500	< 0.79	1.98	U	"	"	"	X
75-09-2	Methylene chloride	0.350	0.500	1.22	1.74	J	"	"	"	X
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.225	0.500	< 1.72	3.83	U	"	"	"	X
75-15-0	Carbon disulfide	< 0.186	0.500	< 0.58	1.56	U	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.191	0.500	< 0.76	1.98	U	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.191	0.500	< 0.77	2.02	U	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.192	0.500	< 0.69	1.80	U	"	"	"	X
67-63-0	Isopropyl alcohol	2.01	0.500	4.93	1.23		"	"	"	X
78-93-3	2-Butanone (MEK)	1.10	0.500	3.24	1.47		"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.135	0.500	< 0.54	1.98	U	"	"	"	X
110-54-3	Hexane	0.740	0.500	2.61	1.76		"	"	"	X
141-78-6	Ethyl acetate	< 0.194	0.500	< 0.70	1.80	U	"	"	"	
67-66-3	Chloroform	< 0.151	0.500	< 0.73	2.43	U	"	"	"	X
109-99-9	Tetrahydrofuran	< 0.225	0.500	< 0.66	1.47	U	"	"	"	
107-06-2	1,2-Dichloroethane	< 0.142	0.500	< 0.57	2.02	U	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.137	0.500	< 0.75	2.73	U	"	"	"	X
71-43-2	Benzene	0.430	0.500	1.37	1.60	J	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.145	0.500	< 0.91	3.15	U	"	"	"	X
110-82-7	Cyclohexane	< 0.214	0.500	< 0.74	1.72	U	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.172	0.500	< 0.79	2.31	U	"	"	"	X
75-27-4	Bromodichloromethane	< 0.180	0.500	< 1.21	3.35	U	"	"	"	X
79-01-6	Trichloroethene	< 0.281	0.500	< 1.51	2.69	U	"	"	"	X
123-91-1	1,4-Dioxane	< 0.391	0.500	< 1.41	1.80	U	"	"	"	
142-82-5	n-Heptane	< 0.138	0.500	< 0.57	2.05	U	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	0.430	0.500	1.76	2.05	J	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.190	0.500	< 0.86	2.27	U	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.159	0.500	< 0.72	2.27	U	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.234	0.500	< 1.28	2.73	U	"	"	"	X
108-88-3	Toluene	2.42	0.500	9.11	1.88		"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.224	0.500	< 0.92	2.05	U	"	"	"	
124-48-1	Dibromochloromethane	< 0.193	0.500	< 1.64	4.26	U	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.150	0.500	< 1.15	3.84	U	"	"	"	X
127-18-4	Tetrachloroethene	7.24	0.500	49.10	3.39		"	"	"	X
108-90-7	Chlorobenzene	< 0.282	0.500	< 1.30	2.30	U	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 0.307	0.500	< 2.11	3.44	U	"	"	"	
100-41-4	Ethylbenzene	< 0.191	0.500	< 0.83	2.17	U	"	"	"	X
179601-23-1	m,p-Xylene	< 0.489	0.500	< 2.12	2.17	U	"	"	"	X
75-25-2	Bromoform	< 0.316	0.500	< 3.27	5.17	U	"	"	"	X
100-42-5	Styrene	< 0.187	0.500	< 0.80	2.13	U	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
OA-IAQ SA97199-04	[none]	Air	01-Jul-09 17:55	02-Jul-09

CAS No.	*Analyte(s)*	*Result ppbv*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Cert.*
Air Quality Analyses										
EPA TO-15			Prepared 08-Jul-09				Can pressure: +1			
95-47-6	o-Xylene	< 0.266	0.500	< 1.15	2.17	U	EPA TO-15	08-Jul-09	9070583	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.436	0.500	< 2.99	3.43	U	"	"	"	X
98-82-8	Isopropylbenzene	< 0.259	0.500	< 1.27	2.46	U	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 0.285	0.500	< 1.40	2.46	U	"	"	"	X
622-96-8	4-Ethyltoluene	< 0.280	0.500	< 1.38	2.46	U	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 0.261	0.500	< 1.28	2.46	U	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.276	0.500	< 1.66	3.01	U	"	"	"	X
100-44-7	Benzyl chloride	< 0.247	0.500	< 1.27	2.58	U	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.259	0.500	< 1.56	3.01	U	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.264	0.500	< 1.45	2.74	U	"	"	"	
99-87-6	4-Isopropyltoluene	< 0.245	0.500	< 1.31	2.68	U	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 0.227	0.500	< 1.36	3.01	U	"	"	"	X
104-51-8	n-Butylbenzene	< 0.213	0.500	< 1.17	2.74	U	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 0.160	0.500	< 1.19	3.71	U	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.248	0.500	< 2.64	5.33	U	"	"	"	X
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*99*	*70-130 %*				"	"	"	

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 9070583 - General Air Prep										
Blank (9070583-BLK1)				Prepared & Analyzed: 08-Jul-09						
Propene	BRL	0.500	ppbv							U
Dichlorodifluoromethane (Freon12)	BRL	0.500	ppbv							U
Chloromethane	BRL	0.500	ppbv							U
1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.500	ppbv							U
Vinyl chloride	BRL	0.500	ppbv							U
1,3-Butadiene	BRL	0.500	ppbv							U
Bromomethane	BRL	0.500	ppbv							U
Chloroethane	BRL	0.500	ppbv							U
Acetone	BRL	0.500	ppbv							U
Trichlorofluoromethane (Freon 11)	BRL	0.500	ppbv							U
Ethanol	BRL	0.500	ppbv							U
Acrylonitrile	BRL	0.500	ppbv							U
1,1-Dichloroethene	BRL	0.500	ppbv							U
Methylene chloride	BRL	0.500	ppbv							U
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.500	ppbv							U
Carbon disulfide	BRL	0.500	ppbv							U
trans-1,2-Dichloroethene	BRL	0.500	ppbv							U
1,1-Dichloroethane	BRL	0.500	ppbv							U
Methyl tert-butyl ether	BRL	0.500	ppbv							U
Isopropyl alcohol	BRL	0.500	ppbv							U
2-Butanone (MEK)	BRL	0.500	ppbv							U
cis-1,2-Dichloroethene	BRL	0.500	ppbv							U
Hexane	BRL	0.500	ppbv							U
Ethyl acetate	BRL	0.500	ppbv							U
Chloroform	BRL	0.500	ppbv							U
Tetrahydrofuran	BRL	0.500	ppbv							U
1,2-Dichloroethane	BRL	0.500	ppbv							U
1,1,1-Trichloroethane	BRL	0.500	ppbv							U
Benzene	BRL	0.500	ppbv							U
Carbon tetrachloride	BRL	0.500	ppbv							U
Cyclohexane	BRL	0.500	ppbv							U
1,2-Dichloropropane	BRL	0.500	ppbv							U
Bromodichloromethane	BRL	0.500	ppbv							U
Trichloroethene	BRL	0.500	ppbv							U
1,4-Dioxane	BRL	0.500	ppbv							U
n-Heptane	BRL	0.500	ppbv							U
4-Methyl-2-pentanone (MIBK)	BRL	0.500	ppbv							U
cis-1,3-Dichloropropene	BRL	0.500	ppbv							U
trans-1,3-Dichloropropene	BRL	0.500	ppbv							U
1,1,2-Trichloroethane	BRL	0.500	ppbv							U
Toluene	BRL	0.500	ppbv							U
2-Hexanone (MBK)	BRL	0.500	ppbv							U
Dibromochloromethane	BRL	0.500	ppbv							U
1,2-Dibromoethane (EDB)	BRL	0.500	ppbv							U
Tetrachloroethene	BRL	0.500	ppbv							U
Chlorobenzene	BRL	0.500	ppbv							U
1,1,1,2-Tetrachloroethane	BRL	0.500	ppbv							U
Ethylbenzene	BRL	0.500	ppbv							U
m,p-Xylene	BRL	0.500	ppbv							U
Bromoform	BRL	0.500	ppbv							U
Styrene	BRL	0.500	ppbv							U
o-Xylene	BRL	0.500	ppbv							U
1,1,2,2-Tetrachloroethane	BRL	0.500	ppbv							U
Isopropylbenzene	BRL	0.500	ppbv							U

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 9070583 - General Air Prep										
Blank (9070583-BLK1)				Prepared & Analyzed: 08-Jul-09						
1,3,5-Trimethylbenzene	BRL	0.500	ppbv							U
4-Ethyltoluene	BRL	0.500	ppbv							U
1,2,4-Trimethylbenzene	BRL	0.500	ppbv							U
1,3-Dichlorobenzene	BRL	0.500	ppbv							U
Benzyl chloride	BRL	0.500	ppbv							U
1,4-Dichlorobenzene	BRL	0.500	ppbv							U
sec-Butylbenzene	BRL	0.500	ppbv							U
4-Isopropyltoluene	BRL	0.500	ppbv							U
1,2-Dichlorobenzene	BRL	0.500	ppbv							U
n-Butylbenzene	BRL	0.500	ppbv							U
1,2,4-Trichlorobenzene	BRL	0.500	ppbv							U
Hexachlorobutadiene	BRL	0.500	ppbv							U
Surrogate: 4-Bromofluorobenzene	*9.55*		ppbv	*10.0*		*96*	*70-130*			
LCS (9070583-BS1)				Prepared & Analyzed: 08-Jul-09						
Propene	9.20		ppbv	10.0		92	70-130			
Dichlorodifluoromethane (Freon12)	9.29		ppbv	10.0		93	70-130			
Chloromethane	8.55		ppbv	10.0		86	70-130			
1,2-Dichlorotetrafluoroethane (Freon 114)	8.89		ppbv	10.0		89	70-130			
Vinyl chloride	8.86		ppbv	10.0		89	70-130			
1,3-Butadiene	9.10		ppbv	10.0		91	70-130			
Bromomethane	8.96		ppbv	10.0		90	70-130			
Chloroethane	8.54		ppbv	10.0		85	70-130			
Acetone	9.35		ppbv	10.0		94	70-130			
Trichlorofluoromethane (Freon 11)	9.06		ppbv	10.0		91	70-130			
Ethanol	10.5		ppbv	10.0		105	56.7-135			
Acrylonitrile	9.10		ppbv	10.0		91	60-160			
1,1-Dichloroethene	8.77		ppbv	10.0		88	70-130			
Methylene chloride	8.62		ppbv	10.0		86	70-130			
1,1,2-Trichlorotrifluoroethane (Freon 113)	8.85		ppbv	10.0		88	70-130			
Carbon disulfide	8.74		ppbv	10.0		87	70-130			
trans-1,2-Dichloroethene	9.08		ppbv	10.0		91	70-130			
1,1-Dichloroethane	9.30		ppbv	10.0		93	70-130			
Methyl tert-butyl ether	9.61		ppbv	10.0		96	70-130			
Isopropyl alcohol	9.27		ppbv	10.0		93	70-130			
2-Butanone (MEK)	8.55		ppbv	10.0		86	70-130			
cis-1,2-Dichloroethene	8.82		ppbv	10.0		88	70-130			
Hexane	9.21		ppbv	10.0		92	70-130			
Ethyl acetate	9.73		ppbv	10.0		97	70-130			
Chloroform	8.59		ppbv	10.0		86	70-130			
Tetrahydrofuran	9.33		ppbv	10.0		93	70-130			
1,2-Dichloroethane	8.64		ppbv	10.0		86	70-130			
1,1,1-Trichloroethane	8.53		ppbv	10.0		85	70-130			
Benzene	8.78		ppbv	10.0		88	70-130			
Carbon tetrachloride	7.76		ppbv	10.0		78	70-130			
Cyclohexane	9.45		ppbv	10.0		94	70-130			
1,2-Dichloropropane	8.75		ppbv	10.0		88	70-130			
Bromodichloromethane	8.38		ppbv	10.0		84	70-130			
Trichloroethene	9.03		ppbv	10.0		90	70-130			
1,4-Dioxane	9.99		ppbv	10.0		100	60-160			
n-Heptane	9.42		ppbv	10.0		94	70-130			
4-Methyl-2-pentanone (MIBK)	8.68		ppbv	10.0		87	70-130			
cis-1,3-Dichloropropene	8.79		ppbv	10.0		88	70-130			
trans-1,3-Dichloropropene	8.61		ppbv	10.0		86	70-130			

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 9070583 - General Air Prep										
LCS (9070583-BS1)				Prepared & Analyzed: 08-Jul-09						
1,1,2-Trichloroethane	8.51		ppbv	10.0		85	70-130			
Toluene	8.89		ppbv	10.0		89	70-130			
2-Hexanone (MBK)	7.74		ppbv	10.0		77	70-130			
Dibromochloromethane	7.41		ppbv	10.0		74	70-130			
1,2-Dibromoethane (EDB)	8.58		ppbv	10.0		86	70-130			
Tetrachloroethene	8.55		ppbv	10.0		86	70-130			
Chlorobenzene	9.41		ppbv	10.0		94	70-130			
1,1,1,2-Tetrachloroethane	9.14		ppbv	10.0		91	60-160			
Ethylbenzene	9.91		ppbv	10.0		99	70-130			
m,p-Xylene	20.0		ppbv	20.0		100	70-130			
Bromoform	6.37		ppbv	10.0		64	70-130			QC2
Styrene	10.1		ppbv	10.0		101	70-130			
o-Xylene	10.4		ppbv	10.0		104	70-130			
1,1,2,2-Tetrachloroethane	9.78		ppbv	10.0		98	70-130			
Isopropylbenzene	10.2		ppbv	10.0		102	60-160			
1,3,5-Trimethylbenzene	10.1		ppbv	10.0		101	70-130			
4-Ethyltoluene	10.3		ppbv	10.0		103	70-130			
1,2,4-Trimethylbenzene	10.6		ppbv	10.0		106	70-130			
1,3-Dichlorobenzene	10.6		ppbv	10.0		106	70-130			
Benzyl chloride	9.34		ppbv	10.0		93	70-130			
1,4-Dichlorobenzene	10.6		ppbv	10.0		106	70-130			
sec-Butylbenzene	12.3		ppbv	10.0		123	60-160			
4-Isopropyltoluene	10.9		ppbv	10.0		109	60-160			
1,2-Dichlorobenzene	10.5		ppbv	10.0		105	70-130			
n-Butylbenzene	10.4		ppbv	10.0		104	60-160			
1,2,4-Trichlorobenzene	10.3		ppbv	10.0		103	70-130			
Hexachlorobutadiene	9.52		ppbv	10.0		95	70-130			
Surrogate: 4-Bromofluorobenzene	*9.99*		ppbv	*10.0*		*100*	*70-130*			

Notes and Definitions

U	Analyte included in the analysis, but not detected
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
June O'Connor

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Chain of Custody Record/Field Test Data Sheets for Air Analyses

SA 7199 CK

Page 1 of 1

Special Handling:
☑ Standard TAT - 7 to 10 business days
☐ Rush TAT - Date Needed: _____

- All TATs subject to laboratory approval.
Min. 24-hour notification needed for rushes.

Report To: Catherine Monien Chazen	**Invoice To:** Chazen		
		Project No.:	
		Site Name:	
		Location:	**State:**
Tel #:	**Attn:**	**Sampler (s):**	
Project Manager:	**P.O. No.:**	**RQN:**	

Can ID	Can Size (L)	Outgoing Canister Pressure ("Hg) (Lab)	Incoming Canister Pressure ("Hg) (Lab)	Flow Reg. ID	Flow Controller Readout (ml/min)	Lab Id:	Sample Id:	Sample Date(s)	Time Start (24 hr clock)	Time Stop (24 hr clock)	Canister Pressure in Field ("Hg) (Start)	Canister Pressure in Field ("Hg) (Stop)	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Analysis: EPA Method TO-15	Matrix: Indoor /Ambient Air	Matrix: Soil Gas	Check box if canister is returned unused
LABORATORY USE ONLY																		
0252	6	-30		2966	10.6	-01	OA-SS-003	7/1/09	0933	1755	-30	0	65	68	X		X	
1008				52	11.3	-02	OA-SS-001		0917	1740	<-30	0	65	68	X		X	
1395				71	10.4	-03	OA-SS-002		0924	1750	<-30	0	65	68	X		X	
1397				827	10.7	-04	OA-IAQ		0945	1755	<-30	-1	65	68	X	X		

Client Use		Ambient Temperature (Fahrenheit) Maximum	Ambient Temperature (Fahrenheit) Minimum	Ambient Pressure (inches of Hg) Maximum	Ambient Pressure (inches of Hg) Minimum
	Start				
	Stop				

Special Instructions/QC Requirements & Comments:

21.0°

Date of Request: 6/29/09
Requested by: Eric Orlowski
Company: The Chazen Companies
Location: Poughkeepsie

Summa Canisters: 4
Flow Controllers: 4
Flow Rate/Setting: 8hr.
Date Needed: 6/30/09

*I attest that that all media relinquished from Spectrum Analytical, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document.**

Signed: [signature] Date: 6/30/09
Printed: Gail Sutton

* *Please contact SA's Air Department immediately at (800) 789-9115 if you experience any technical difficulties or suspect any QC issue(s) with air media.*

☐ E-mail results _____

EDD format

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	7.2.09	12:50
		7/2/09	1731

11 Almgren Drive • Agawam, MA 01001 • 1-800-789-9115 • 413-789-9018 • FAX 413-789-4076 • www.spectrum-analytical.com