

TO-13 (PAH) LAB REPORTS

Project Name: O&R SUFFERN
Project Number: Not Specified

Lab Number: L1606062
Report Date: 03/18/16

SAMPLE RESULTS

Lab ID: L1606062-01
 Client ID: FAM 3
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 03/17/16 21:42
 Analyst: SF

Date Collected: 03/03/16 00:00
 Date Received: 03/03/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 03/07/16 15:58

Volume of Air: 252 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.040	--	1
Fluoranthene	ND		ug/m3	0.040	--	1
Naphthalene	ND		ug/m3	0.040	--	1
Benz(a)anthracene	ND		ug/m3	0.040	--	1
Benzo(a)pyrene	ND		ug/m3	0.040	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.040	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.040	--	1
Chrysene	ND		ug/m3	0.040	--	1
Acenaphthylene	ND		ug/m3	0.040	--	1
Anthracene	ND		ug/m3	0.040	--	1
Benzo(ghi)perylene	ND		ug/m3	0.040	--	1
Fluorene	ND		ug/m3	0.040	--	1
Phenanthrene	ND		ug/m3	0.040	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.040	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.040	--	1
Pyrene	ND		ug/m3	0.040	--	1
Perylene	ND		ug/m3	0.040	--	1
Benzo(e)Pyrene	ND		ug/m3	0.040	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	98		60-120
Benzo(b)fluoranthene-d12	110		60-120
Fluoranthene-d10	90		60-120
Benzo(a)pyrene-d12	107		60-120

Project Name: O&R SUFFERN
Project Number: Not Specified

Lab Number: L1606062
Report Date: 03/18/16

SAMPLE RESULTS

Lab ID: L1606062-02
Client ID: FAM 5
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 03/17/16 22:13
Analyst: SF

Date Collected: 03/03/16 00:00
Date Received: 03/03/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 03/07/16 15:58

Volume of Air: 252 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.040	--	1
Fluoranthene	ND		ug/m3	0.040	--	1
Naphthalene	ND		ug/m3	0.040	--	1
Benz(a)anthracene	ND		ug/m3	0.040	--	1
Benzo(a)pyrene	ND		ug/m3	0.040	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.040	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.040	--	1
Chrysene	ND		ug/m3	0.040	--	1
Acenaphthylene	ND		ug/m3	0.040	--	1
Anthracene	ND		ug/m3	0.040	--	1
Benzo(ghi)perylene	ND		ug/m3	0.040	--	1
Fluorene	ND		ug/m3	0.040	--	1
Phenanthrene	ND		ug/m3	0.040	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.040	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.040	--	1
Pyrene	ND		ug/m3	0.040	--	1
Perylene	ND		ug/m3	0.040	--	1
Benzo(e)Pyrene	ND		ug/m3	0.040	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	94		60-120
Benzo(b)fluoranthene-d12	104		60-120
Fluoranthene-d10	105		60-120
Benzo(a)pyrene-d12	105		60-120

Project Name: O&R SUFFERN
Project Number: Not Specified

Lab Number: L1606062
Report Date: 03/18/16

SAMPLE RESULTS

Lab ID: L1606062-03
Client ID: FAM 1
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 03/17/16 22:43
Analyst: SF

Date Collected: 03/03/16 00:00
Date Received: 03/03/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 03/07/16 15:58

Volume of Air: 235 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.043	--	1
Fluoranthene	ND		ug/m3	0.043	--	1
Naphthalene	ND		ug/m3	0.043	--	1
Benz(a)anthracene	ND		ug/m3	0.043	--	1
Benzo(a)pyrene	ND		ug/m3	0.043	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.043	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.043	--	1
Chrysene	ND		ug/m3	0.043	--	1
Acenaphthylene	ND		ug/m3	0.043	--	1
Anthracene	ND		ug/m3	0.043	--	1
Benzo(ghi)perylene	ND		ug/m3	0.043	--	1
Fluorene	ND		ug/m3	0.043	--	1
Phenanthrene	ND		ug/m3	0.043	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.043	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.043	--	1
Pyrene	ND		ug/m3	0.043	--	1
Perylene	ND		ug/m3	0.043	--	1
Benzo(e)Pyrene	ND		ug/m3	0.043	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	91		60-120
Benzo(b)fluoranthene-d12	101		60-120
Fluoranthene-d10	106		60-120
Benzo(a)pyrene-d12	107		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1607844
Report Date: 04/01/16

SAMPLE RESULTS

Lab ID: L1607844-01
Client ID: FAM-2
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 03/31/16 14:31
Analyst: SF

Date Collected: 03/15/16 00:00
Date Received: 03/17/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 03/22/16 12:30

Volume of Air: 252.7 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.040	--	1
Fluoranthene	ND		ug/m3	0.040	--	1
Naphthalene	0.047		ug/m3	0.040	--	1
Benz(a)anthracene	ND		ug/m3	0.040	--	1
Benzo(a)pyrene	ND		ug/m3	0.040	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.040	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.040	--	1
Chrysene	ND		ug/m3	0.040	--	1
Acenaphthylene	ND		ug/m3	0.040	--	1
Anthracene	ND		ug/m3	0.040	--	1
Benzo(ghi)perylene	ND		ug/m3	0.040	--	1
Fluorene	ND		ug/m3	0.040	--	1
Phenanthrene	ND		ug/m3	0.040	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.040	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.040	--	1
Pyrene	ND		ug/m3	0.040	--	1
Perylene	ND		ug/m3	0.040	--	1
Benzo(e)Pyrene	ND		ug/m3	0.040	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	86		60-120
Benzo(b)fluoranthene-d12	97		60-120
Fluoranthene-d10	87		60-120
Benzo(a)pyrene-d12	90		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1607844
Report Date: 04/01/16

SAMPLE RESULTS

Lab ID: L1607844-02
Client ID: FAM-6
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 03/31/16 11:44
Analyst: SF

Date Collected: 03/15/16 00:00
Date Received: 03/17/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 03/22/16 12:30

Volume of Air: 253.1 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.040	--	1
Fluoranthene	ND		ug/m3	0.040	--	1
Naphthalene	0.050		ug/m3	0.040	--	1
Benz(a)anthracene	ND		ug/m3	0.040	--	1
Benzo(a)pyrene	ND		ug/m3	0.040	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.040	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.040	--	1
Chrysene	ND		ug/m3	0.040	--	1
Acenaphthylene	ND		ug/m3	0.040	--	1
Anthracene	ND		ug/m3	0.040	--	1
Benzo(ghi)perylene	ND		ug/m3	0.040	--	1
Fluorene	ND		ug/m3	0.040	--	1
Phenanthrene	ND		ug/m3	0.040	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.040	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.040	--	1
Pyrene	ND		ug/m3	0.040	--	1
Perylene	ND		ug/m3	0.040	--	1
Benzo(e)Pyrene	ND		ug/m3	0.040	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	86		60-120
Benzo(b)fluoranthene-d12	94		60-120
Fluoranthene-d10	92		60-120
Benzo(a)pyrene-d12	94		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1607844
Report Date: 04/01/16

SAMPLE RESULTS

Lab ID: L1607844-03
Client ID: FAM-5
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 03/31/16 12:15
Analyst: SF

Date Collected: 03/15/16 00:00
Date Received: 03/17/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 03/22/16 12:30

Volume of Air: 253.9 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.039	--	1
Fluoranthene	ND		ug/m3	0.039	--	1
Naphthalene	ND		ug/m3	0.039	--	1
Benz(a)anthracene	ND		ug/m3	0.039	--	1
Benzo(a)pyrene	ND		ug/m3	0.039	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.039	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.039	--	1
Chrysene	ND		ug/m3	0.039	--	1
Acenaphthylene	ND		ug/m3	0.039	--	1
Anthracene	ND		ug/m3	0.039	--	1
Benzo(ghi)perylene	ND		ug/m3	0.039	--	1
Fluorene	ND		ug/m3	0.039	--	1
Phenanthrene	ND		ug/m3	0.039	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.039	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.039	--	1
Pyrene	ND		ug/m3	0.039	--	1
Perylene	ND		ug/m3	0.039	--	1
Benzo(e)Pyrene	ND		ug/m3	0.039	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	88		60-120
Benzo(b)fluoranthene-d12	96		60-120
Fluoranthene-d10	90		60-120
Benzo(a)pyrene-d12	92		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1608774
Report Date: 04/08/16

SAMPLE RESULTS

Lab ID: L1608774-01
Client ID: FAM-4
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 04/05/16 22:56
Analyst: SF

Date Collected: 03/24/16 00:00
Date Received: 03/25/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 03/30/16 11:23

Volume of Air: 178.89 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.056	--	1
Fluoranthene	ND		ug/m3	0.056	--	1
Naphthalene	ND		ug/m3	0.056	--	1
Benz(a)anthracene	ND		ug/m3	0.056	--	1
Benzo(a)pyrene	ND		ug/m3	0.056	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.056	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.056	--	1
Chrysene	ND		ug/m3	0.056	--	1
Acenaphthylene	ND		ug/m3	0.056	--	1
Anthracene	ND		ug/m3	0.056	--	1
Benzo(ghi)perylene	ND		ug/m3	0.056	--	1
Fluorene	ND		ug/m3	0.056	--	1
Phenanthrene	ND		ug/m3	0.056	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.056	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.056	--	1
Pyrene	ND		ug/m3	0.056	--	1
Perylene	ND		ug/m3	0.056	--	1
Benzo(e)Pyrene	ND		ug/m3	0.056	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	93		60-120
Benzo(b)fluoranthene-d12	97		60-120
Fluoranthene-d10	103		60-120
Benzo(a)pyrene-d12	98		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1608774
Report Date: 04/08/16

SAMPLE RESULTS

Lab ID: L1608774-02
Client ID: FAM-5
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 04/05/16 23:27
Analyst: SF

Date Collected: 03/24/16 00:00
Date Received: 03/25/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 03/30/16 11:23

Volume of Air: 251.79 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.040	--	1
Fluoranthene	ND		ug/m3	0.040	--	1
Naphthalene	ND		ug/m3	0.040	--	1
Benz(a)anthracene	ND		ug/m3	0.040	--	1
Benzo(a)pyrene	ND		ug/m3	0.040	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.040	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.040	--	1
Chrysene	ND		ug/m3	0.040	--	1
Acenaphthylene	ND		ug/m3	0.040	--	1
Anthracene	ND		ug/m3	0.040	--	1
Benzo(ghi)perylene	ND		ug/m3	0.040	--	1
Fluorene	ND		ug/m3	0.040	--	1
Phenanthrene	ND		ug/m3	0.040	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.040	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.040	--	1
Pyrene	ND		ug/m3	0.040	--	1
Perylene	ND		ug/m3	0.040	--	1
Benzo(e)Pyrene	ND		ug/m3	0.040	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	100		60-120
Benzo(b)fluoranthene-d12	105		60-120
Fluoranthene-d10	104		60-120
Benzo(a)pyrene-d12	103		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1608774
Report Date: 04/08/16

SAMPLE RESULTS

Lab ID: L1608774-03
Client ID: FAM-1
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 04/05/16 23:58
Analyst: SF

Date Collected: 03/24/16 00:00
Date Received: 03/25/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 03/30/16 11:23

Volume of Air: 251.9 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.040	--	1
Fluoranthene	ND		ug/m3	0.040	--	1
Naphthalene	ND		ug/m3	0.040	--	1
Benz(a)anthracene	ND		ug/m3	0.040	--	1
Benzo(a)pyrene	ND		ug/m3	0.040	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.040	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.040	--	1
Chrysene	ND		ug/m3	0.040	--	1
Acenaphthylene	ND		ug/m3	0.040	--	1
Anthracene	ND		ug/m3	0.040	--	1
Benzo(ghi)perylene	ND		ug/m3	0.040	--	1
Fluorene	ND		ug/m3	0.040	--	1
Phenanthrene	ND		ug/m3	0.040	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.040	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.040	--	1
Pyrene	ND		ug/m3	0.040	--	1
Perylene	ND		ug/m3	0.040	--	1
Benzo(e)Pyrene	ND		ug/m3	0.040	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	98		60-120
Benzo(b)fluoranthene-d12	103		60-120
Fluoranthene-d10	104		60-120
Benzo(a)pyrene-d12	102		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1609426
Report Date: 04/14/16

SAMPLE RESULTS

Lab ID: L1609426-01
Client ID: FAM-3
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 04/14/16 01:42
Analyst: SF

Date Collected: 03/31/16 00:00
Date Received: 03/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 04/06/16 14:56

Volume of Air: 227.6 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.044	--	1
Fluoranthene	ND		ug/m3	0.044	--	1
Naphthalene	0.064		ug/m3	0.044	--	1
Benz(a)anthracene	ND		ug/m3	0.044	--	1
Benzo(a)pyrene	ND		ug/m3	0.044	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.044	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.044	--	1
Chrysene	ND		ug/m3	0.044	--	1
Acenaphthylene	ND		ug/m3	0.044	--	1
Anthracene	ND		ug/m3	0.044	--	1
Benzo(ghi)perylene	ND		ug/m3	0.044	--	1
Fluorene	ND		ug/m3	0.044	--	1
Phenanthrene	ND		ug/m3	0.044	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.044	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.044	--	1
Pyrene	ND		ug/m3	0.044	--	1
Perylene	ND		ug/m3	0.044	--	1
Benzo(e)Pyrene	ND		ug/m3	0.044	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	97		60-120
Benzo(b)fluoranthene-d12	99		60-120
Fluoranthene-d10	101		60-120
Benzo(a)pyrene-d12	94		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1609426
Report Date: 04/14/16

SAMPLE RESULTS

Lab ID: L1609426-02
Client ID: FAM-5
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 04/14/16 02:13
Analyst: SF

Date Collected: 03/31/16 00:00
Date Received: 03/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 04/06/16 14:56

Volume of Air: 227.9 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.044	--	1
Fluoranthene	ND		ug/m3	0.044	--	1
Naphthalene	0.051		ug/m3	0.044	--	1
Benz(a)anthracene	ND		ug/m3	0.044	--	1
Benzo(a)pyrene	ND		ug/m3	0.044	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.044	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.044	--	1
Chrysene	ND		ug/m3	0.044	--	1
Acenaphthylene	ND		ug/m3	0.044	--	1
Anthracene	ND		ug/m3	0.044	--	1
Benzo(ghi)perylene	ND		ug/m3	0.044	--	1
Fluorene	ND		ug/m3	0.044	--	1
Phenanthrene	ND		ug/m3	0.044	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.044	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.044	--	1
Pyrene	ND		ug/m3	0.044	--	1
Perylene	ND		ug/m3	0.044	--	1
Benzo(e)Pyrene	ND		ug/m3	0.044	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	94		60-120
Benzo(b)fluoranthene-d12	98		60-120
Fluoranthene-d10	99		60-120
Benzo(a)pyrene-d12	94		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1609426
Report Date: 04/14/16

SAMPLE RESULTS

Lab ID: L1609426-03
Client ID: FAM-2
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 04/14/16 02:43
Analyst: SF

Date Collected: 03/31/16 00:00
Date Received: 03/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 04/06/16 14:56

Volume of Air: 239.8 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.042	--	1
Fluoranthene	ND		ug/m3	0.042	--	1
Naphthalene	0.163	E	ug/m3	0.042	--	1
Benz(a)anthracene	ND		ug/m3	0.042	--	1
Benzo(a)pyrene	ND		ug/m3	0.042	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.042	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.042	--	1
Chrysene	ND		ug/m3	0.042	--	1
Acenaphthylene	ND		ug/m3	0.042	--	1
Anthracene	ND		ug/m3	0.042	--	1
Benzo(ghi)perylene	ND		ug/m3	0.042	--	1
Fluorene	ND		ug/m3	0.042	--	1
Phenanthrene	ND		ug/m3	0.042	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.042	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.042	--	1
Pyrene	ND		ug/m3	0.042	--	1
Perylene	ND		ug/m3	0.042	--	1
Benzo(e)Pyrene	ND		ug/m3	0.042	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	94		60-120
Benzo(b)fluoranthene-d12	98		60-120
Fluoranthene-d10	98		60-120
Benzo(a)pyrene-d12	95		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1609426
Report Date: 04/14/16

SAMPLE RESULTS

Lab ID: L1609426-03 D
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 04/14/16 12:04
 Analyst: SF

Date Collected: 03/31/16 00:00
 Date Received: 03/31/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 04/06/16 14:56

Volume of Air: 239.8 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.161		ug/m3	0.083	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	95		60-120
Benzo(b)fluoranthene-d12	94		60-120
Fluoranthene-d10	97		60-120
Benzo(a)pyrene-d12	93		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1610226
Report Date: 04/19/16

SAMPLE RESULTS

Lab ID: L1610226-01
Client ID: FAM-3
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 04/14/16 03:44
Analyst: SF

Date Collected: 04/06/16 00:00
Date Received: 04/07/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 04/08/16 15:38

Volume of Air: 233.2 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.043	--	1
Fluoranthene	ND		ug/m3	0.043	--	1
Naphthalene	0.057		ug/m3	0.043	--	1
Benz(a)anthracene	ND		ug/m3	0.043	--	1
Benzo(a)pyrene	ND		ug/m3	0.043	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.043	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.043	--	1
Chrysene	ND		ug/m3	0.043	--	1
Acenaphthylene	ND		ug/m3	0.043	--	1
Anthracene	ND		ug/m3	0.043	--	1
Benzo(ghi)perylene	ND		ug/m3	0.043	--	1
Fluorene	ND		ug/m3	0.043	--	1
Phenanthrene	ND		ug/m3	0.043	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.043	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.043	--	1
Pyrene	ND		ug/m3	0.043	--	1
Perylene	ND		ug/m3	0.043	--	1
Benzo(e)Pyrene	ND		ug/m3	0.043	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	98		60-120
Benzo(b)fluoranthene-d12	101		60-120
Fluoranthene-d10	102		60-120
Benzo(a)pyrene-d12	100		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1610226
Report Date: 04/19/16

SAMPLE RESULTS

Lab ID: L1610226-02
Client ID: FAM-5
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 04/14/16 04:15
Analyst: SF

Date Collected: 04/06/16 00:00
Date Received: 04/07/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 04/08/16 15:38

Volume of Air: 241.8 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.041	--	1
Fluoranthene	ND		ug/m3	0.041	--	1
Naphthalene	0.046		ug/m3	0.041	--	1
Benz(a)anthracene	ND		ug/m3	0.041	--	1
Benzo(a)pyrene	ND		ug/m3	0.041	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.041	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.041	--	1
Chrysene	ND		ug/m3	0.041	--	1
Acenaphthylene	ND		ug/m3	0.041	--	1
Anthracene	ND		ug/m3	0.041	--	1
Benzo(ghi)perylene	ND		ug/m3	0.041	--	1
Fluorene	ND		ug/m3	0.041	--	1
Phenanthrene	ND		ug/m3	0.041	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.041	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.041	--	1
Pyrene	ND		ug/m3	0.041	--	1
Perylene	ND		ug/m3	0.041	--	1
Benzo(e)Pyrene	ND		ug/m3	0.041	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	92		60-120
Benzo(b)fluoranthene-d12	94		60-120
Fluoranthene-d10	95		60-120
Benzo(a)pyrene-d12	91		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1610226
Report Date: 04/19/16

SAMPLE RESULTS

Lab ID: L1610226-03
Client ID: FAM-2
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 04/14/16 04:45
Analyst: SF

Date Collected: 04/06/16 00:00
Date Received: 04/07/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 04/08/16 15:38

Volume of Air: 245.4 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.041	--	1
Fluoranthene	ND		ug/m3	0.041	--	1
Naphthalene	0.094	E	ug/m3	0.041	--	1
Benz(a)anthracene	ND		ug/m3	0.041	--	1
Benzo(a)pyrene	ND		ug/m3	0.041	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.041	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.041	--	1
Chrysene	ND		ug/m3	0.041	--	1
Acenaphthylene	ND		ug/m3	0.041	--	1
Anthracene	ND		ug/m3	0.041	--	1
Benzo(ghi)perylene	ND		ug/m3	0.041	--	1
Fluorene	ND		ug/m3	0.041	--	1
Phenanthrene	ND		ug/m3	0.041	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.041	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.041	--	1
Pyrene	ND		ug/m3	0.041	--	1
Perylene	ND		ug/m3	0.041	--	1
Benzo(e)Pyrene	ND		ug/m3	0.041	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	93		60-120
Benzo(b)fluoranthene-d12	95		60-120
Fluoranthene-d10	103		60-120
Benzo(a)pyrene-d12	98		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1610226
Report Date: 04/19/16

SAMPLE RESULTS

Lab ID: L1610226-03 D
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 04/14/16 14:07
 Analyst: SF

Date Collected: 04/06/16 00:00
 Date Received: 04/07/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 04/08/16 15:38

Volume of Air: 245.4 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.093		ug/m3	0.082	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	93		60-120
Benzo(b)fluoranthene-d12	94		60-120
Fluoranthene-d10	102		60-120
Benzo(a)pyrene-d12	96		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1612016
Report Date: 05/03/16

SAMPLE RESULTS

Lab ID: L1612016-01
Client ID: FAM-5
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 04/28/16 15:29
Analyst: SF

Date Collected: 04/22/16 00:00
Date Received: 04/22/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 04/26/16 10:30

Volume of Air: 242.1 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.041	--	1
Fluoranthene	ND		ug/m3	0.041	--	1
Naphthalene	0.548	E	ug/m3	0.041	--	1
Benz(a)anthracene	ND		ug/m3	0.041	--	1
Benzo(a)pyrene	ND		ug/m3	0.041	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.041	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.041	--	1
Chrysene	ND		ug/m3	0.041	--	1
Acenaphthylene	ND		ug/m3	0.041	--	1
Anthracene	ND		ug/m3	0.041	--	1
Benzo(ghi)perylene	ND		ug/m3	0.041	--	1
Fluorene	ND		ug/m3	0.041	--	1
Phenanthrene	ND		ug/m3	0.041	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.041	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.041	--	1
Pyrene	ND		ug/m3	0.041	--	1
Perylene	ND		ug/m3	0.041	--	1
Benzo(e)Pyrene	ND		ug/m3	0.041	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	88		60-120
Benzo(b)fluoranthene-d12	93		60-120
Fluoranthene-d10	86		60-120
Benzo(a)pyrene-d12	75		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1612016
Report Date: 05/03/16

SAMPLE RESULTS

Lab ID: L1612016-01 D
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 04/29/16 13:43
 Analyst: SF

Date Collected: 04/22/16 00:00
 Date Received: 04/22/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 04/26/16 10:30

Volume of Air: 242.1 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.564		ug/m3	0.413	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	80		60-120
Benzo(b)fluoranthene-d12	87		60-120
Fluoranthene-d10	83		60-120
Benzo(a)pyrene-d12	66		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1612016
Report Date: 05/03/16

SAMPLE RESULTS

Lab ID: L1612016-02
Client ID: FAM-1
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 04/28/16 16:00
Analyst: SF

Date Collected: 04/22/16 00:00
Date Received: 04/22/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 04/26/16 10:30

Volume of Air: 250.5 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.065		ug/m3	0.040	--	1
Fluoranthene	ND		ug/m3	0.040	--	1
Naphthalene	0.836	E	ug/m3	0.040	--	1
Benz(a)anthracene	ND		ug/m3	0.040	--	1
Benzo(a)pyrene	ND		ug/m3	0.040	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.040	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.040	--	1
Chrysene	ND		ug/m3	0.040	--	1
Acenaphthylene	0.049		ug/m3	0.040	--	1
Anthracene	ND		ug/m3	0.040	--	1
Benzo(ghi)perylene	ND		ug/m3	0.040	--	1
Fluorene	0.065		ug/m3	0.040	--	1
Phenanthrene	0.079		ug/m3	0.040	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.040	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.040	--	1
Pyrene	ND		ug/m3	0.040	--	1
Perylene	ND		ug/m3	0.040	--	1
Benzo(e)Pyrene	ND		ug/m3	0.040	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	87		60-120
Benzo(b)fluoranthene-d12	88		60-120
Fluoranthene-d10	85		60-120
Benzo(a)pyrene-d12	76		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1612016
Report Date: 05/03/16

SAMPLE RESULTS

Lab ID: L1612016-02 D
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 04/29/16 14:46
 Analyst: SF

Date Collected: 04/22/16 00:00
 Date Received: 04/22/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 04/26/16 10:30

Volume of Air: 250.5 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.992		ug/m3	0.798	--	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	79		60-120
Benzo(b)fluoranthene-d12	80		60-120
Fluoranthene-d10	92		60-120
Benzo(a)pyrene-d12	70		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1612016
Report Date: 05/03/16

SAMPLE RESULTS

Lab ID: L1612016-03
Client ID: FAM-2
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 04/28/16 17:03
Analyst: SF

Date Collected: 04/22/16 00:00
Date Received: 04/22/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 04/26/16 10:30

Volume of Air: 238.8 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.043		ug/m3	0.042	--	1
Fluoranthene	ND		ug/m3	0.042	--	1
Naphthalene	0.383	E	ug/m3	0.042	--	1
Benz(a)anthracene	ND		ug/m3	0.042	--	1
Benzo(a)pyrene	ND		ug/m3	0.042	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.042	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.042	--	1
Chrysene	ND		ug/m3	0.042	--	1
Acenaphthylene	ND		ug/m3	0.042	--	1
Anthracene	ND		ug/m3	0.042	--	1
Benzo(ghi)perylene	ND		ug/m3	0.042	--	1
Fluorene	ND		ug/m3	0.042	--	1
Phenanthrene	ND		ug/m3	0.042	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.042	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.042	--	1
Pyrene	ND		ug/m3	0.042	--	1
Perylene	ND		ug/m3	0.042	--	1
Benzo(e)Pyrene	ND		ug/m3	0.042	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	87		60-120
Benzo(b)fluoranthene-d12	91		60-120
Fluoranthene-d10	86		60-120
Benzo(a)pyrene-d12	79		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1612016
Report Date: 05/03/16

SAMPLE RESULTS

Lab ID: L1612016-03 D
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 05/02/16 17:52
 Analyst: SF

Date Collected: 04/22/16 00:00
 Date Received: 04/22/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 04/26/16 10:30

Volume of Air: 238.8 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.395		ug/m3	0.209	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	85		60-120
Benzo(b)fluoranthene-d12	86		60-120
Fluoranthene-d10	85		60-120
Benzo(a)pyrene-d12	66		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1612841
Report Date: 05/11/16

SAMPLE RESULTS

Lab ID: L1612841-01
Client ID: FAM-1
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 05/04/16 19:25
Analyst: SF

Date Collected: 04/28/16 00:00
Date Received: 04/28/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 05/03/16 11:35

Volume of Air: 248 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.040	--	1
Fluoranthene	ND		ug/m3	0.040	--	1
Naphthalene	0.228	E	ug/m3	0.040	--	1
Benz(a)anthracene	ND		ug/m3	0.040	--	1
Benzo(a)pyrene	ND		ug/m3	0.040	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.040	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.040	--	1
Chrysene	ND		ug/m3	0.040	--	1
Acenaphthylene	ND		ug/m3	0.040	--	1
Anthracene	ND		ug/m3	0.040	--	1
Benzo(ghi)perylene	ND		ug/m3	0.040	--	1
Fluorene	ND		ug/m3	0.040	--	1
Phenanthrene	ND		ug/m3	0.040	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.040	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.040	--	1
Pyrene	ND		ug/m3	0.040	--	1
Perylene	ND		ug/m3	0.040	--	1
Benzo(e)Pyrene	ND		ug/m3	0.040	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	78		60-120
Benzo(b)fluoranthene-d12	81		60-120
Fluoranthene-d10	77		60-120
Benzo(a)pyrene-d12	74		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1612841
Report Date: 05/11/16

SAMPLE RESULTS

Lab ID: L1612841-01 D
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 05/05/16 18:52
 Analyst: SF

Date Collected: 04/28/16 00:00
 Date Received: 04/28/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 05/03/16 11:35

Volume of Air: 248 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.222		ug/m3	0.161	--	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	74		60-120
Benzo(b)fluoranthene-d12	75		60-120
Fluoranthene-d10	77		60-120
Benzo(a)pyrene-d12	71		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1612841
Report Date: 05/11/16

SAMPLE RESULTS

Lab ID: L1612841-02
Client ID: FAM-6
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 05/10/16 21:27
Analyst: SF

Date Collected: 04/28/16 00:00
Date Received: 04/28/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 05/03/16 11:35

Volume of Air: 246 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.105	E	ug/m3	0.041	--	1
Fluoranthene	ND		ug/m3	0.041	--	1
Naphthalene	0.315	E	ug/m3	0.041	--	1
Benz(a)anthracene	ND		ug/m3	0.041	--	1
Benzo(a)pyrene	ND		ug/m3	0.041	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.041	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.041	--	1
Chrysene	ND		ug/m3	0.041	--	1
Acenaphthylene	ND		ug/m3	0.041	--	1
Anthracene	ND		ug/m3	0.041	--	1
Benzo(ghi)perylene	ND		ug/m3	0.041	--	1
Fluorene	0.049		ug/m3	0.041	--	1
Phenanthrene	0.069		ug/m3	0.041	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.041	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.041	--	1
Pyrene	ND		ug/m3	0.041	--	1
Perylene	ND		ug/m3	0.041	--	1
Benzo(e)Pyrene	ND		ug/m3	0.041	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	92		60-120
Benzo(b)fluoranthene-d12	94		60-120
Fluoranthene-d10	91		60-120
Benzo(a)pyrene-d12	91		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1612841
Report Date: 05/11/16

SAMPLE RESULTS

Lab ID: L1612841-02 D2
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 05/10/16 22:29
 Analyst: SF

Date Collected: 04/28/16 00:00
 Date Received: 04/28/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 05/03/16 11:35

Volume of Air: 246 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Acenaphthene	0.102		ug/m3	0.081	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	90		60-120
Benzo(b)fluoranthene-d12	89		60-120
Fluoranthene-d10	92		60-120
Benzo(a)pyrene-d12	84		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1612841
Report Date: 05/11/16

SAMPLE RESULTS

Lab ID: L1612841-02 D
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 05/11/16 13:02
 Analyst: SF

Date Collected: 04/28/16 00:00
 Date Received: 04/28/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 05/03/16 11:35

Volume of Air: 246 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.326		ug/m3	0.203	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	92		60-120
Benzo(b)fluoranthene-d12	93		60-120
Fluoranthene-d10	102		60-120
Benzo(a)pyrene-d12	92		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1612841
Report Date: 05/11/16

SAMPLE RESULTS

Lab ID: L1612841-03
Client ID: FAM-3
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 05/04/16 21:34
Analyst: SF

Date Collected: 04/28/16 00:00
Date Received: 04/28/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 05/03/16 11:35

Volume of Air: 249 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.040	--	1
Fluoranthene	ND		ug/m3	0.040	--	1
Naphthalene	0.049		ug/m3	0.040	--	1
Benz(a)anthracene	ND		ug/m3	0.040	--	1
Benzo(a)pyrene	ND		ug/m3	0.040	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.040	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.040	--	1
Chrysene	ND		ug/m3	0.040	--	1
Acenaphthylene	ND		ug/m3	0.040	--	1
Anthracene	ND		ug/m3	0.040	--	1
Benzo(ghi)perylene	ND		ug/m3	0.040	--	1
Fluorene	ND		ug/m3	0.040	--	1
Phenanthrene	ND		ug/m3	0.040	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.040	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.040	--	1
Pyrene	ND		ug/m3	0.040	--	1
Perylene	ND		ug/m3	0.040	--	1
Benzo(e)Pyrene	ND		ug/m3	0.040	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	78		60-120
Benzo(b)fluoranthene-d12	82		60-120
Fluoranthene-d10	85		60-120
Benzo(a)pyrene-d12	79		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1613642
Report Date: 05/17/16

SAMPLE RESULTS

Lab ID: L1613642-01
Client ID: FAM-2
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 05/12/16 15:49
Analyst: SF

Date Collected: 05/05/16 00:00
Date Received: 05/05/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 05/10/16 11:25

Volume of Air: 250 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.040	--	1
Fluoranthene	ND		ug/m3	0.040	--	1
Naphthalene	0.077		ug/m3	0.040	--	1
Benz(a)anthracene	ND		ug/m3	0.040	--	1
Benzo(a)pyrene	ND		ug/m3	0.040	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.040	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.040	--	1
Chrysene	ND		ug/m3	0.040	--	1
Acenaphthylene	ND		ug/m3	0.040	--	1
Anthracene	ND		ug/m3	0.040	--	1
Benzo(ghi)perylene	ND		ug/m3	0.040	--	1
Fluorene	ND		ug/m3	0.040	--	1
Phenanthrene	ND		ug/m3	0.040	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.040	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.040	--	1
Pyrene	ND		ug/m3	0.040	--	1
Perylene	ND		ug/m3	0.040	--	1
Benzo(e)Pyrene	ND		ug/m3	0.040	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	102		60-120
Benzo(b)fluoranthene-d12	104		60-120
Fluoranthene-d10	102		60-120
Benzo(a)pyrene-d12	101		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1613642
Report Date: 05/17/16

SAMPLE RESULTS

Lab ID: L1613642-02
Client ID: FAM-3
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 05/12/16 16:21
Analyst: SF

Date Collected: 05/05/16 00:00
Date Received: 05/05/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 05/10/16 11:25

Volume of Air: 256 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.039	--	1
Fluoranthene	ND		ug/m3	0.039	--	1
Naphthalene	0.041		ug/m3	0.039	--	1
Benz(a)anthracene	ND		ug/m3	0.039	--	1
Benzo(a)pyrene	ND		ug/m3	0.039	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.039	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.039	--	1
Chrysene	ND		ug/m3	0.039	--	1
Acenaphthylene	ND		ug/m3	0.039	--	1
Anthracene	ND		ug/m3	0.039	--	1
Benzo(ghi)perylene	ND		ug/m3	0.039	--	1
Fluorene	ND		ug/m3	0.039	--	1
Phenanthrene	ND		ug/m3	0.039	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.039	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.039	--	1
Pyrene	ND		ug/m3	0.039	--	1
Perylene	ND		ug/m3	0.039	--	1
Benzo(e)Pyrene	ND		ug/m3	0.039	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	101		60-120
Benzo(b)fluoranthene-d12	105		60-120
Fluoranthene-d10	102		60-120
Benzo(a)pyrene-d12	105		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1613642
Report Date: 05/17/16

SAMPLE RESULTS

Lab ID: L1613642-03
Client ID: FAM-5
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 05/12/16 16:51
Analyst: SF

Date Collected: 05/05/16 00:00
Date Received: 05/05/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 05/10/16 11:25

Volume of Air: 247 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.041	--	1
Fluoranthene	ND		ug/m3	0.041	--	1
Naphthalene	0.144	E	ug/m3	0.041	--	1
Benz(a)anthracene	ND		ug/m3	0.041	--	1
Benzo(a)pyrene	ND		ug/m3	0.041	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.041	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.041	--	1
Chrysene	ND		ug/m3	0.041	--	1
Acenaphthylene	ND		ug/m3	0.041	--	1
Anthracene	ND		ug/m3	0.041	--	1
Benzo(ghi)perylene	ND		ug/m3	0.041	--	1
Fluorene	ND		ug/m3	0.041	--	1
Phenanthrene	ND		ug/m3	0.041	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.041	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.041	--	1
Pyrene	ND		ug/m3	0.041	--	1
Perylene	ND		ug/m3	0.041	--	1
Benzo(e)Pyrene	ND		ug/m3	0.041	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	100		60-120
Benzo(b)fluoranthene-d12	102		60-120
Fluoranthene-d10	98		60-120
Benzo(a)pyrene-d12	101		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1613642
Report Date: 05/17/16

SAMPLE RESULTS

Lab ID: L1613642-03 D
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 05/13/16 15:59
 Analyst: SF

Date Collected: 05/05/16 00:00
 Date Received: 05/05/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 05/10/16 11:25

Volume of Air: 247 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.146		ug/m3	0.081	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	99		60-120
Benzo(b)fluoranthene-d12	100		60-120
Fluoranthene-d10	98		60-120
Benzo(a)pyrene-d12	97		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1615121
Report Date: 05/26/16

SAMPLE RESULTS

Lab ID: L1615121-01
Client ID: FAM-3
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 05/20/16 15:55
Analyst: SF

Date Collected: 05/18/16 00:00
Date Received: 05/18/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 05/19/16 11:55

Volume of Air: 244 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.041	--	1
Fluoranthene	ND		ug/m3	0.041	--	1
Naphthalene	ND		ug/m3	0.041	--	1
Benz(a)anthracene	ND		ug/m3	0.041	--	1
Benzo(a)pyrene	ND		ug/m3	0.041	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.041	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.041	--	1
Chrysene	ND		ug/m3	0.041	--	1
Acenaphthylene	ND		ug/m3	0.041	--	1
Anthracene	ND		ug/m3	0.041	--	1
Benzo(ghi)perylene	ND		ug/m3	0.041	--	1
Fluorene	ND		ug/m3	0.041	--	1
Phenanthrene	ND		ug/m3	0.041	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.041	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.041	--	1
Pyrene	ND		ug/m3	0.041	--	1
Perylene	ND		ug/m3	0.041	--	1
Benzo(e)Pyrene	ND		ug/m3	0.041	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	101		60-120
Benzo(b)fluoranthene-d12	102		60-120
Fluoranthene-d10	104		60-120
Benzo(a)pyrene-d12	99		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1615121
Report Date: 05/26/16

SAMPLE RESULTS

Lab ID: L1615121-02
Client ID: FAM-1
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 05/20/16 16:26
Analyst: SF

Date Collected: 05/18/16 00:00
Date Received: 05/18/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 05/19/16 11:55

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.040	--	1
Fluoranthene	ND		ug/m3	0.040	--	1
Naphthalene	0.144	E	ug/m3	0.040	--	1
Benz(a)anthracene	ND		ug/m3	0.040	--	1
Benzo(a)pyrene	ND		ug/m3	0.040	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.040	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.040	--	1
Chrysene	ND		ug/m3	0.040	--	1
Acenaphthylene	ND		ug/m3	0.040	--	1
Anthracene	ND		ug/m3	0.040	--	1
Benzo(ghi)perylene	ND		ug/m3	0.040	--	1
Fluorene	ND		ug/m3	0.040	--	1
Phenanthrene	ND		ug/m3	0.040	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.040	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.040	--	1
Pyrene	ND		ug/m3	0.040	--	1
Perylene	ND		ug/m3	0.040	--	1
Benzo(e)Pyrene	ND		ug/m3	0.040	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	104		60-120
Benzo(b)fluoranthene-d12	104		60-120
Fluoranthene-d10	108		60-120
Benzo(a)pyrene-d12	104		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1615121
Report Date: 05/26/16

SAMPLE RESULTS

Lab ID: L1615121-02 D
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 05/23/16 13:02
 Analyst: SF

Date Collected: 05/18/16 00:00
 Date Received: 05/18/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 05/19/16 11:55

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.146		ug/m3	0.079	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	103		60-120
Benzo(b)fluoranthene-d12	102		60-120
Fluoranthene-d10	109		60-120
Benzo(a)pyrene-d12	101		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1615121
Report Date: 05/26/16

SAMPLE RESULTS

Lab ID: L1615121-03
Client ID: FAM-2
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 05/20/16 16:58
Analyst: SF

Date Collected: 05/18/16 00:00
Date Received: 05/18/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 05/19/16 11:55

Volume of Air: 255 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.039	--	1
Fluoranthene	ND		ug/m3	0.039	--	1
Naphthalene	0.126	E	ug/m3	0.039	--	1
Benz(a)anthracene	ND		ug/m3	0.039	--	1
Benzo(a)pyrene	ND		ug/m3	0.039	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.039	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.039	--	1
Chrysene	ND		ug/m3	0.039	--	1
Acenaphthylene	ND		ug/m3	0.039	--	1
Anthracene	ND		ug/m3	0.039	--	1
Benzo(ghi)perylene	ND		ug/m3	0.039	--	1
Fluorene	ND		ug/m3	0.039	--	1
Phenanthrene	ND		ug/m3	0.039	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.039	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.039	--	1
Pyrene	ND		ug/m3	0.039	--	1
Perylene	ND		ug/m3	0.039	--	1
Benzo(e)Pyrene	ND		ug/m3	0.039	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	107		60-120
Benzo(b)fluoranthene-d12	110		60-120
Fluoranthene-d10	111		60-120
Benzo(a)pyrene-d12	107		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1615121
Report Date: 05/26/16

SAMPLE RESULTS

Lab ID: L1615121-03 D
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 05/23/16 13:33
 Analyst: SF

Date Collected: 05/18/16 00:00
 Date Received: 05/18/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 05/19/16 11:55

Volume of Air: 255 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.124		ug/m3	0.078	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	104		60-120
Benzo(b)fluoranthene-d12	104		60-120
Fluoranthene-d10	109		60-120
Benzo(a)pyrene-d12	100		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1616054
Report Date: 06/06/16

SAMPLE RESULTS

Lab ID: L1616054-01
Client ID: FAM-5
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 06/02/16 13:25
Analyst: SF

Date Collected: 05/26/16 00:00
Date Received: 05/26/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 05/31/16 13:53

Volume of Air: 259 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.015		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.059		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.014		ug/m3	0.004	--	1
Phenanthrene	0.025		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	104		60-120
Benzo(b)fluoranthene-d12	100		60-120
Fluoranthene-d10	108		60-120
Benzo(a)pyrene-d12	91		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1616054
Report Date: 06/06/16

SAMPLE RESULTS

Lab ID: L1616054-02
Client ID: FAM-6
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 06/02/16 13:57
Analyst: SF

Date Collected: 05/26/16 00:00
Date Received: 05/26/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 05/31/16 13:53

Volume of Air: 257 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.023		ug/m3	0.004	--	1
Fluoranthene	0.008		ug/m3	0.004	--	1
Naphthalene	0.081	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	0.005		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.022		ug/m3	0.004	--	1
Phenanthrene	0.047		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	0.004		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	97		60-120
Benzo(b)fluoranthene-d12	95		60-120
Fluoranthene-d10	100		60-120
Benzo(a)pyrene-d12	92		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1616054
Report Date: 06/06/16

SAMPLE RESULTS

Lab ID: L1616054-02 D
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 06/02/16 15:32
 Analyst: SF

Date Collected: 05/26/16 00:00
 Date Received: 05/26/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 05/31/16 13:53

Volume of Air: 257 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.083		ug/m3	0.008	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	96		60-120
Benzo(b)fluoranthene-d12	96		60-120
Fluoranthene-d10	104		60-120
Benzo(a)pyrene-d12	92		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1616054
Report Date: 06/06/16

SAMPLE RESULTS

Lab ID: L1616054-03
Client ID: FAM-2
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 06/02/16 14:28
Analyst: SF

Date Collected: 05/26/16 00:00
Date Received: 05/26/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 05/31/16 13:53

Volume of Air: 96 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.036		ug/m3	0.010	--	1
Fluoranthene	ND		ug/m3	0.010	--	1
Naphthalene	0.081		ug/m3	0.010	--	1
Benz(a)anthracene	ND		ug/m3	0.010	--	1
Benzo(a)pyrene	ND		ug/m3	0.010	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.010	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.010	--	1
Chrysene	ND		ug/m3	0.010	--	1
Acenaphthylene	ND		ug/m3	0.010	--	1
Anthracene	ND		ug/m3	0.010	--	1
Benzo(ghi)perylene	ND		ug/m3	0.010	--	1
Fluorene	0.030		ug/m3	0.010	--	1
Phenanthrene	0.041		ug/m3	0.010	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.010	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.010	--	1
Pyrene	ND		ug/m3	0.010	--	1
Perylene	ND		ug/m3	0.010	--	1
Benzo(e)Pyrene	ND		ug/m3	0.010	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	92		60-120
Benzo(b)fluoranthene-d12	90		60-120
Fluoranthene-d10	94		60-120
Benzo(a)pyrene-d12	92		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1616959
Report Date: 06/15/16

SAMPLE RESULTS

Lab ID: L1616959-01
Client ID: FAM-6
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 06/07/16 18:04
Analyst: SF

Date Collected: 06/03/16 00:00
Date Received: 06/03/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 06/06/16 02:30

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.017		ug/m3	0.004	--	1
Fluoranthene	0.010		ug/m3	0.004	--	1
Naphthalene	0.087	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.022		ug/m3	0.004	--	1
Phenanthrene	0.053		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	0.005		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	107		60-120
Benzo(b)fluoranthene-d12	103		60-120
Fluoranthene-d10	105		60-120
Benzo(a)pyrene-d12	91		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1616959
Report Date: 06/15/16

SAMPLE RESULTS

Lab ID: L1616959-01 D
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 06/09/16 17:19
 Analyst: SF

Date Collected: 06/03/16 00:00
 Date Received: 06/03/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 06/06/16 02:30

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.086		ug/m3	0.008	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	103		60-120
Benzo(b)fluoranthene-d12	101		60-120
Fluoranthene-d10	102		60-120
Benzo(a)pyrene-d12	85		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1616959
Report Date: 06/15/16

SAMPLE RESULTS

Lab ID: L1616959-02
Client ID: FAM-3
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 06/07/16 18:36
Analyst: SF

Date Collected: 06/03/16 00:00
Date Received: 06/03/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 06/06/16 02:30

Volume of Air: 247 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.008		ug/m3	0.004	--	1
Fluoranthene	0.004		ug/m3	0.004	--	1
Naphthalene	0.027		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.010		ug/m3	0.004	--	1
Phenanthrene	0.021		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	104		60-120
Benzo(b)fluoranthene-d12	99		60-120
Fluoranthene-d10	100		60-120
Benzo(a)pyrene-d12	86		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1616959
Report Date: 06/15/16

SAMPLE RESULTS

Lab ID: L1616959-03
Client ID: FAM-5
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 06/07/16 19:08
Analyst: SF

Date Collected: 06/03/16 00:00
Date Received: 06/03/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 06/06/16 02:30

Volume of Air: 260 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.009		ug/m3	0.004	--	1
Fluoranthene	0.005		ug/m3	0.004	--	1
Naphthalene	0.031		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.009		ug/m3	0.004	--	1
Phenanthrene	0.020		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	101		60-120
Benzo(b)fluoranthene-d12	100		60-120
Fluoranthene-d10	102		60-120
Benzo(a)pyrene-d12	88		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1617663
Report Date: 06/17/16

SAMPLE RESULTS

Lab ID: L1617663-01
Client ID: FAM-3
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 06/16/16 15:52
Analyst: SF

Date Collected: 06/09/16 00:00
Date Received: 06/09/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 06/14/16 14:15

Volume of Air: 250 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.005		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	ND		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	85		60-120
Benzo(b)fluoranthene-d12	89		60-120
Fluoranthene-d10	87		60-120
Benzo(a)pyrene-d12	88		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1617663
Report Date: 06/17/16

SAMPLE RESULTS

Lab ID: L1617663-02
Client ID: FAM-6
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 06/16/16 16:24
Analyst: SF

Date Collected: 06/09/16 00:00
Date Received: 06/09/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 06/14/16 14:15

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.005		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.038		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.005		ug/m3	0.004	--	1
Phenanthrene	0.010		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	98		60-120
Benzo(b)fluoranthene-d12	96		60-120
Fluoranthene-d10	96		60-120
Benzo(a)pyrene-d12	93		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1617663
Report Date: 06/17/16

SAMPLE RESULTS

Lab ID: L1617663-03
Client ID: FAM-5
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 06/16/16 16:57
Analyst: SF

Date Collected: 06/09/16 00:00
Date Received: 06/09/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 06/14/16 14:15

Volume of Air: 256 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.007		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	0.005		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	96		60-120
Benzo(b)fluoranthene-d12	97		60-120
Fluoranthene-d10	98		60-120
Benzo(a)pyrene-d12	91		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1618317
Report Date: 06/24/16

SAMPLE RESULTS

Lab ID: L1618317-01
Client ID: FAM-3
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 06/17/16 17:40
Analyst: SF

Date Collected: 06/15/16 00:00
Date Received: 06/15/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 06/16/16 12:43

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.012		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.024		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.008		ug/m3	0.004	--	1
Phenanthrene	0.014		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	97		60-120
Benzo(b)fluoranthene-d12	96		60-120
Fluoranthene-d10	99		60-120
Benzo(a)pyrene-d12	91		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1618317
Report Date: 06/24/16

SAMPLE RESULTS

Lab ID: L1618317-02
Client ID: FAM-6
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 06/17/16 18:12
Analyst: SF

Date Collected: 06/15/16 00:00
Date Received: 06/15/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 06/16/16 12:43

Volume of Air: 252 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.019		ug/m3	0.004	--	1
Fluoranthene	0.006		ug/m3	0.004	--	1
Naphthalene	0.059		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.016		ug/m3	0.004	--	1
Phenanthrene	0.030		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	98		60-120
Benzo(b)fluoranthene-d12	96		60-120
Fluoranthene-d10	101		60-120
Benzo(a)pyrene-d12	93		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1618317
Report Date: 06/24/16

SAMPLE RESULTS

Lab ID: L1618317-03
Client ID: FAM-1
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 06/17/16 18:44
Analyst: SF

Date Collected: 06/15/16 00:00
Date Received: 06/15/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 06/16/16 12:43

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.026		ug/m3	0.004	--	1
Fluoranthene	0.007		ug/m3	0.004	--	1
Naphthalene	0.105	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	0.010		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.021		ug/m3	0.004	--	1
Phenanthrene	0.038		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	96		60-120
Benzo(b)fluoranthene-d12	90		60-120
Fluoranthene-d10	94		60-120
Benzo(a)pyrene-d12	85		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1618317
Report Date: 06/24/16

SAMPLE RESULTS

Lab ID: L1618317-03 D
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 06/20/16 17:54
 Analyst: SF

Date Collected: 06/15/16 00:00
 Date Received: 06/15/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 06/16/16 12:43

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.104		ug/m3	0.008	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	91		60-120
Benzo(b)fluoranthene-d12	92		60-120
Fluoranthene-d10	96		60-120
Benzo(a)pyrene-d12	86		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1619437
Report Date: 07/06/16

SAMPLE RESULTS

Lab ID: L1619437-01
Client ID: FAM-5
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 06/29/16 15:32
Analyst: SF

Date Collected: 06/23/16 00:00
Date Received: 06/23/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 06/27/16 10:50

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.017		ug/m3	0.004	--	1
Fluoranthene	0.005		ug/m3	0.004	--	1
Naphthalene	0.040		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.013		ug/m3	0.004	--	1
Phenanthrene	0.027		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	101		60-120
Benzo(b)fluoranthene-d12	101		60-120
Fluoranthene-d10	110		60-120
Benzo(a)pyrene-d12	97		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1619437
Report Date: 07/06/16

SAMPLE RESULTS

Lab ID: L1619437-02
Client ID: FAM-1
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 06/29/16 16:03
Analyst: SF

Date Collected: 06/23/16 00:00
Date Received: 06/23/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 06/27/16 10:50

Volume of Air: 261 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.077	E	ug/m3	0.004	--	1
Fluoranthene	0.007		ug/m3	0.004	--	1
Naphthalene	0.345	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	0.012		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.038		ug/m3	0.004	--	1
Phenanthrene	0.050		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	104		60-120
Benzo(b)fluoranthene-d12	103		60-120
Fluoranthene-d10	103		60-120
Benzo(a)pyrene-d12	92		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1619437
Report Date: 07/06/16

SAMPLE RESULTS

Lab ID: L1619437-02 D
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 06/30/16 11:29
 Analyst: SF

Date Collected: 06/23/16 00:00
 Date Received: 06/23/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 06/27/16 10:50

Volume of Air: 261 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Acenaphthene	0.076		ug/m3	0.038	--	10
Naphthalene	0.350		ug/m3	0.038	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	99		60-120
Benzo(b)fluoranthene-d12	97		60-120
Fluoranthene-d10	101		60-120
Benzo(a)pyrene-d12	81		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1619437
Report Date: 07/06/16

SAMPLE RESULTS

Lab ID: L1619437-03
Client ID: FAM-2
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 06/29/16 16:36
Analyst: SF

Date Collected: 06/23/16 00:00
Date Received: 06/23/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 06/27/16 10:50

Volume of Air: 252 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.093	E	ug/m3	0.004	--	1
Fluoranthene	0.006		ug/m3	0.004	--	1
Naphthalene	0.643	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	0.005		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.033		ug/m3	0.004	--	1
Phenanthrene	0.036		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	99		60-120
Benzo(b)fluoranthene-d12	101		60-120
Fluoranthene-d10	98		60-120
Benzo(a)pyrene-d12	91		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1619437
Report Date: 07/06/16

SAMPLE RESULTS

Lab ID: L1619437-03 D
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 06/30/16 12:01
 Analyst: SF

Date Collected: 06/23/16 00:00
 Date Received: 06/23/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 06/27/16 10:50

Volume of Air: 252 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Acenaphthene	0.084		ug/m3	0.040	--	10
Naphthalene	0.655		ug/m3	0.040	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	90		60-120
Benzo(b)fluoranthene-d12	90		60-120
Fluoranthene-d10	88		60-120
Benzo(a)pyrene-d12	78		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1620409
Report Date: 07/13/16

SAMPLE RESULTS

Lab ID: L1620409-01
Client ID: FAM-3
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 07/11/16 17:17
Analyst: SF

Date Collected: 06/30/16 00:00
Date Received: 06/30/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 07/05/16 17:25

Volume of Air: 248 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.007		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.014		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.006		ug/m3	0.004	--	1
Phenanthrene	0.011		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	79		60-120
Benzo(b)fluoranthene-d12	80		60-120
Fluoranthene-d10	84		60-120
Benzo(a)pyrene-d12	77		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1620409
Report Date: 07/13/16

SAMPLE RESULTS

Lab ID: L1620409-02
Client ID: FAM-1
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 07/11/16 17:49
Analyst: SF

Date Collected: 06/30/16 00:00
Date Received: 06/30/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 07/05/16 17:25

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.081	E	ug/m3	0.004	--	1
Fluoranthene	0.007		ug/m3	0.004	--	1
Naphthalene	0.289	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	0.016		ug/m3	0.004	--	1
Anthracene	0.005		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.037		ug/m3	0.004	--	1
Phenanthrene	0.048		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	0.004		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	80		60-120
Benzo(b)fluoranthene-d12	79		60-120
Fluoranthene-d10	84		60-120
Benzo(a)pyrene-d12	76		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1620409
Report Date: 07/13/16

SAMPLE RESULTS

Lab ID: L1620409-02 D
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 07/12/16 15:36
 Analyst: SF

Date Collected: 06/30/16 00:00
 Date Received: 06/30/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 07/05/16 17:25

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Acenaphthene	0.087		ug/m3	0.020	--	5
Naphthalene	0.326		ug/m3	0.020	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	81		60-120
Benzo(b)fluoranthene-d12	81		60-120
Fluoranthene-d10	87		60-120
Benzo(a)pyrene-d12	76		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1620409
Report Date: 07/13/16

SAMPLE RESULTS

Lab ID: L1620409-03
Client ID: FAM-6
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 07/11/16 18:21
Analyst: SF

Date Collected: 06/30/16 00:00
Date Received: 06/30/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 07/05/16 17:25

Volume of Air: 249 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.024		ug/m3	0.004	--	1
Fluoranthene	0.005		ug/m3	0.004	--	1
Naphthalene	0.068		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.015		ug/m3	0.004	--	1
Phenanthrene	0.027		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	83		60-120
Benzo(b)fluoranthene-d12	82		60-120
Fluoranthene-d10	87		60-120
Benzo(a)pyrene-d12	77		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1620902
Report Date: 07/20/16

SAMPLE RESULTS

Lab ID: L1620902-01
Client ID: FAM-3
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 07/19/16 20:43
Analyst: SF

Date Collected: 07/07/16 00:00
Date Received: 07/07/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 07/11/16 16:10

Volume of Air: 255 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.009		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.023		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.008		ug/m3	0.004	--	1
Phenanthrene	0.014		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	66		60-120
Benzo(b)fluoranthene-d12	72		60-120
Fluoranthene-d10	68		60-120
Benzo(a)pyrene-d12	62		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1620902
Report Date: 07/20/16

SAMPLE RESULTS

Lab ID: L1620902-02
Client ID: FAM-6
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 07/19/16 21:15
Analyst: SF

Date Collected: 07/07/16 00:00
Date Received: 07/07/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 07/11/16 16:10

Volume of Air: 250 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.026		ug/m3	0.004	--	1
Fluoranthene	0.0090		ug/m3	0.004	--	1
Naphthalene	0.170	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	0.018		ug/m3	0.004	--	1
Anthracene	0.005		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.031		ug/m3	0.004	--	1
Phenanthrene	0.060		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	0.005		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	52	Q	60-120
Benzo(b)fluoranthene-d12	56	Q	60-120
Fluoranthene-d10	54	Q	60-120
Benzo(a)pyrene-d12	51	Q	60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1620902
Report Date: 07/20/16

SAMPLE RESULTS

Lab ID: L1620902-02 D
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 07/20/16 12:03
 Analyst: SF

Date Collected: 07/07/16 00:00
 Date Received: 07/07/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 07/11/16 16:10

Volume of Air: 250 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.172		ug/m3	0.016	--	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	53	Q	60-120
Benzo(b)fluoranthene-d12	55	Q	60-120
Fluoranthene-d10	55	Q	60-120
Benzo(a)pyrene-d12	50	Q	60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1620902
Report Date: 07/20/16

SAMPLE RESULTS

Lab ID: L1620902-03
Client ID: FAM-2
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 07/19/16 21:47
Analyst: SF

Date Collected: 07/07/16 00:00
Date Received: 07/07/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 07/11/16 16:10

Volume of Air: 134 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.040		ug/m3	0.007	--	1
Fluoranthene	ND		ug/m3	0.007	--	1
Naphthalene	0.068		ug/m3	0.007	--	1
Benz(a)anthracene	ND		ug/m3	0.007	--	1
Benzo(a)pyrene	ND		ug/m3	0.007	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.007	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.007	--	1
Chrysene	ND		ug/m3	0.007	--	1
Acenaphthylene	ND		ug/m3	0.007	--	1
Anthracene	ND		ug/m3	0.007	--	1
Benzo(ghi)perylene	ND		ug/m3	0.007	--	1
Fluorene	0.022		ug/m3	0.007	--	1
Phenanthrene	0.028		ug/m3	0.007	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.007	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.007	--	1
Pyrene	ND		ug/m3	0.007	--	1
Perylene	ND		ug/m3	0.007	--	1
Benzo(e)Pyrene	ND		ug/m3	0.007	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	88		60-120
Benzo(b)fluoranthene-d12	93		60-120
Fluoranthene-d10	85		60-120
Benzo(a)pyrene-d12	81		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1621863
Report Date: 07/22/16

SAMPLE RESULTS

Lab ID: L1621863-01
Client ID: FAM-1
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 07/20/16 13:40
Analyst: SF

Date Collected: 07/14/16 00:00
Date Received: 07/14/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 07/18/16 12:45

Volume of Air: 143 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.018		ug/m3	0.007	--	1
Fluoranthene	0.009		ug/m3	0.007	--	1
Naphthalene	0.063		ug/m3	0.007	--	1
Benz(a)anthracene	ND		ug/m3	0.007	--	1
Benzo(a)pyrene	ND		ug/m3	0.007	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.007	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.007	--	1
Chrysene	ND		ug/m3	0.007	--	1
Acenaphthylene	0.008		ug/m3	0.007	--	1
Anthracene	ND		ug/m3	0.007	--	1
Benzo(ghi)perylene	ND		ug/m3	0.007	--	1
Fluorene	0.023		ug/m3	0.007	--	1
Phenanthrene	0.046		ug/m3	0.007	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.007	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.007	--	1
Pyrene	ND		ug/m3	0.007	--	1
Perylene	ND		ug/m3	0.007	--	1
Benzo(e)Pyrene	ND		ug/m3	0.007	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	91		60-120
Benzo(b)fluoranthene-d12	102		60-120
Fluoranthene-d10	87		60-120
Benzo(a)pyrene-d12	92		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1621863
Report Date: 07/22/16

SAMPLE RESULTS

Lab ID: L1621863-02
Client ID: FAM-2
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 07/20/16 14:13
Analyst: SF

Date Collected: 07/14/16 00:00
Date Received: 07/14/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 07/18/16 12:45

Volume of Air: 244 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.031		ug/m3	0.004	--	1
Fluoranthene	0.004		ug/m3	0.004	--	1
Naphthalene	0.069		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.018		ug/m3	0.004	--	1
Phenanthrene	0.029		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	96		60-120
Benzo(b)fluoranthene-d12	104		60-120
Fluoranthene-d10	98		60-120
Benzo(a)pyrene-d12	93		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1621863
Report Date: 07/22/16

SAMPLE RESULTS

Lab ID: L1621863-03
Client ID: FAM-3
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 07/20/16 14:45
Analyst: SF

Date Collected: 07/14/16 00:00
Date Received: 07/14/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 07/18/16 12:45

Volume of Air: 255 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.005		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.023		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.007		ug/m3	0.004	--	1
Phenanthrene	0.015		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	98		60-120
Benzo(b)fluoranthene-d12	105		60-120
Fluoranthene-d10	103		60-120
Benzo(a)pyrene-d12	92		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1622921
Report Date: 07/29/16

SAMPLE RESULTS

Lab ID: L1622921-01
Client ID: FAM-5
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 07/27/16 15:26
Analyst: SF

Date Collected: 07/22/16 00:00
Date Received: 07/22/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 07/25/16 12:30

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.008		ug/m3	0.004	--	1
Fluoranthene	0.005		ug/m3	0.004	--	1
Naphthalene	0.116	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.012		ug/m3	0.004	--	1
Phenanthrene	0.027		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	89		60-120
Benzo(b)fluoranthene-d12	102		60-120
Fluoranthene-d10	89		60-120
Benzo(a)pyrene-d12	87		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1622921
Report Date: 07/29/16

SAMPLE RESULTS

Lab ID: L1622921-01 D
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 07/28/16 11:29
 Analyst: SF

Date Collected: 07/22/16 00:00
 Date Received: 07/22/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 07/25/16 12:30

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.118		ug/m3	0.020	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	97		60-120
Benzo(b)fluoranthene-d12	100		60-120
Fluoranthene-d10	104		60-120
Benzo(a)pyrene-d12	85		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1622921
Report Date: 07/29/16

SAMPLE RESULTS

Lab ID: L1622921-02
Client ID: FAM-6
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 07/27/16 15:59
Analyst: SF

Date Collected: 07/22/16 00:00
Date Received: 07/22/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 07/25/16 12:30

Volume of Air: 255 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.021		ug/m3	0.004	--	1
Fluoranthene	0.010		ug/m3	0.004	--	1
Naphthalene	1.20	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.023		ug/m3	0.004	--	1
Phenanthrene	0.048		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	0.005		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	106		60-120
Benzo(b)fluoranthene-d12	113		60-120
Fluoranthene-d10	106		60-120
Benzo(a)pyrene-d12	82		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1622921
Report Date: 07/29/16

SAMPLE RESULTS

Lab ID: L1622921-02 D
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 07/28/16 12:01
 Analyst: SF

Date Collected: 07/22/16 00:00
 Date Received: 07/22/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 07/25/16 12:30

Volume of Air: 255 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	1.75		ug/m3	0.392	--	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	0	Q	60-120
Benzo(b)fluoranthene-d12	0	Q	60-120
Fluoranthene-d10	0	Q	60-120
Benzo(a)pyrene-d12	0	Q	60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1622921
Report Date: 07/29/16

SAMPLE RESULTS

Lab ID: L1622921-03
Client ID: FAM-2
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 07/27/16 16:31
Analyst: SF

Date Collected: 07/22/16 00:00
Date Received: 07/22/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 07/25/16 12:30

Volume of Air: 258 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.039		ug/m3	0.004	--	1
Fluoranthene	0.005		ug/m3	0.004	--	1
Naphthalene	0.157	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.022		ug/m3	0.004	--	1
Phenanthrene	0.030		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	104		60-120
Benzo(b)fluoranthene-d12	109		60-120
Fluoranthene-d10	101		60-120
Benzo(a)pyrene-d12	104		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1622921
Report Date: 07/29/16

SAMPLE RESULTS

Lab ID: L1622921-03 D
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 07/28/16 12:33
 Analyst: SF

Date Collected: 07/22/16 00:00
 Date Received: 07/22/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 07/25/16 12:30

Volume of Air: 258 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.158		ug/m3	0.039	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	95		60-120
Benzo(b)fluoranthene-d12	96		60-120
Fluoranthene-d10	95		60-120
Benzo(a)pyrene-d12	90		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1623566
Report Date: 08/09/16

SAMPLE RESULTS

Lab ID: L1623566-01
Client ID: FAM-3
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 08/05/16 17:54
Analyst: SF

Date Collected: 07/28/16 00:00
Date Received: 07/28/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 08/01/16 10:11

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.014		ug/m3	0.004	--	1
Fluoranthene	0.004		ug/m3	0.004	--	1
Naphthalene	0.036		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.011		ug/m3	0.004	--	1
Phenanthrene	0.022		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	118		60-120
Benzo(b)fluoranthene-d12	125	Q	60-120
Fluoranthene-d10	128	Q	60-120
Benzo(a)pyrene-d12	110		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1623566
Report Date: 08/09/16

SAMPLE RESULTS

Lab ID: L1623566-02
Client ID: FAM-6
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 08/05/16 18:26
Analyst: SF

Date Collected: 07/28/16 00:00
Date Received: 07/28/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 08/01/16 10:11

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.051		ug/m3	0.004	--	1
Fluoranthene	0.014		ug/m3	0.004	--	1
Naphthalene	1.14	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	0.016		ug/m3	0.004	--	1
Anthracene	0.005		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.037		ug/m3	0.004	--	1
Phenanthrene	0.075		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	0.008		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	119		60-120
Benzo(b)fluoranthene-d12	130	Q	60-120
Fluoranthene-d10	115		60-120
Benzo(a)pyrene-d12	109		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1623566
Report Date: 08/09/16

SAMPLE RESULTS

Lab ID: L1623566-02 D
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 08/08/16 16:31
 Analyst: SF

Date Collected: 07/28/16 00:00
 Date Received: 07/28/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 08/01/16 10:11

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	2.09		ug/m3	0.197	--	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	0	Q	60-120
Benzo(b)fluoranthene-d12	0	Q	60-120
Fluoranthene-d10	0	Q	60-120
Benzo(a)pyrene-d12	0	Q	60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1623566
Report Date: 08/09/16

SAMPLE RESULTS

Lab ID: L1623566-03
Client ID: FAM-1
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 08/05/16 18:58
Analyst: SF

Date Collected: 07/28/16 00:00
Date Received: 07/28/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 08/01/16 10:11

Volume of Air: 255 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.158	E	ug/m3	0.004	--	1
Fluoranthene	0.023		ug/m3	0.004	--	1
Naphthalene	1.12	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	0.022		ug/m3	0.004	--	1
Anthracene	0.014		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.082	E	ug/m3	0.004	--	1
Phenanthrene	0.168	E	ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	0.014		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	111		60-120
Benzo(b)fluoranthene-d12	124	Q	60-120
Fluoranthene-d10	119		60-120
Benzo(a)pyrene-d12	108		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1623566
Report Date: 08/09/16

SAMPLE RESULTS

Lab ID: L1623566-03 D2
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 08/08/16 17:03
 Analyst: SF

Date Collected: 07/28/16 00:00
 Date Received: 07/28/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 08/01/16 10:11

Volume of Air: 255 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	1.95		ug/m3	0.196	--	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	0	Q	60-120
Benzo(b)fluoranthene-d12	0	Q	60-120
Fluoranthene-d10	0	Q	60-120
Benzo(a)pyrene-d12	0	Q	60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1623566
Report Date: 08/09/16

SAMPLE RESULTS

Lab ID: L1623566-03 D
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 08/05/16 21:05
 Analyst: SF

Date Collected: 07/28/16 00:00
 Date Received: 07/28/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 08/01/16 10:11

Volume of Air: 255 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.187		ug/m3	0.020	--	5
Fluorene	0.084		ug/m3	0.020	--	5
Phenanthrene	0.206		ug/m3	0.020	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	105		60-120
Benzo(b)fluoranthene-d12	111		60-120
Fluoranthene-d10	107		60-120
Benzo(a)pyrene-d12	92		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1624337
Report Date: 08/16/16

SAMPLE RESULTS

Lab ID: L1624337-01
Client ID: FAM-3
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 08/11/16 15:15
Analyst: SF

Date Collected: 08/04/16 00:00
Date Received: 08/04/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 08/09/16 11:31

Volume of Air: 255 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.011		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.139	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.008		ug/m3	0.004	--	1
Phenanthrene	0.015		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	103		60-120
Benzo(b)fluoranthene-d12	121	Q	60-120
Fluoranthene-d10	116		60-120
Benzo(a)pyrene-d12	109		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1624337
Report Date: 08/16/16

SAMPLE RESULTS

Lab ID: L1624337-01 D
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 08/12/16 16:54
 Analyst: DP

Date Collected: 08/04/16 00:00
 Date Received: 08/04/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 08/09/16 11:31

Volume of Air: 255 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.134		ug/m3	0.039	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	0	Q	60-120
Benzo(b)fluoranthene-d12	0	Q	60-120
Fluoranthene-d10	0	Q	60-120
Benzo(a)pyrene-d12	0	Q	60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1624337
Report Date: 08/16/16

SAMPLE RESULTS

Lab ID: L1624337-02
Client ID: FAM-6
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 08/11/16 15:49
Analyst: SF

Date Collected: 08/04/16 00:00
Date Received: 08/04/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 08/09/16 11:31

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.055		ug/m3	0.004	--	1
Fluoranthene	0.010		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	0.061		ug/m3	0.004	--	1
Anthracene	0.005		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.057		ug/m3	0.004	--	1
Phenanthrene	0.059		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	0.005		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	107		60-120
Benzo(b)fluoranthene-d12	120		60-120
Fluoranthene-d10	117		60-120
Benzo(a)pyrene-d12	115		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1624337
Report Date: 08/16/16

SAMPLE RESULTS

Lab ID: L1624337-02 D
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 08/12/16 17:28
 Analyst: DP

Date Collected: 08/04/16 00:00
 Date Received: 08/04/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 08/09/16 11:31

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	8.94		ug/m3	1.98	--	500

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	0	Q	60-120
Benzo(b)fluoranthene-d12	0	Q	60-120
Fluoranthene-d10	0	Q	60-120
Benzo(a)pyrene-d12	0	Q	60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1624337
Report Date: 08/16/16

SAMPLE RESULTS

Lab ID: L1624337-03
Client ID: FAM-2
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 08/11/16 16:22
Analyst: SF

Date Collected: 08/04/16 00:00
Date Received: 08/04/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 08/09/16 11:31

Volume of Air: 256 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.035		ug/m3	0.004	--	1
Fluoranthene	0.009		ug/m3	0.004	--	1
Naphthalene	0.556	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.024		ug/m3	0.004	--	1
Phenanthrene	0.039		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	0.004		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	109		60-120
Benzo(b)fluoranthene-d12	125	Q	60-120
Fluoranthene-d10	114		60-120
Benzo(a)pyrene-d12	112		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1624337
Report Date: 08/16/16

SAMPLE RESULTS

Lab ID: L1624337-03 D
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 08/12/16 18:01
 Analyst: DP

Date Collected: 08/04/16 00:00
 Date Received: 08/04/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 08/09/16 11:31

Volume of Air: 256 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.758		ug/m3	0.195	--	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	0	Q	60-120
Benzo(b)fluoranthene-d12	0	Q	60-120
Fluoranthene-d10	0	Q	60-120
Benzo(a)pyrene-d12	0	Q	60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1625208
Report Date: 08/26/16

SAMPLE RESULTS

Lab ID: L1625208-01
Client ID: FAM-5
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 08/25/16 15:48
Analyst: DP

Date Collected: 08/11/16 00:00
Date Received: 08/11/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 08/15/16 10:37

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.012		ug/m3	0.004	--	1
Fluoranthene	0.005		ug/m3	0.004	--	1
Naphthalene	0.053		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.010		ug/m3	0.004	--	1
Phenanthrene	0.025		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	102		60-120
Benzo(b)fluoranthene-d12	121	Q	60-120
Fluoranthene-d10	122	Q	60-120
Benzo(a)pyrene-d12	120		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1625208
Report Date: 08/26/16

SAMPLE RESULTS

Lab ID: L1625208-02
Client ID: FAM-1
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 08/25/16 17:19
Analyst: DP

Date Collected: 08/11/16 00:00
Date Received: 08/11/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 08/15/16 10:37

Volume of Air: 257 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.034		ug/m3	0.004	--	1
Fluoranthene	0.017		ug/m3	0.004	--	1
Naphthalene	0.344	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	0.019		ug/m3	0.004	--	1
Anthracene	0.009		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.039		ug/m3	0.004	--	1
Phenanthrene	0.089	E	ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	0.0090		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	99		60-120
Benzo(b)fluoranthene-d12	121	Q	60-120
Fluoranthene-d10	121	Q	60-120
Benzo(a)pyrene-d12	121	Q	60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1625208
Report Date: 08/26/16

SAMPLE RESULTS

Lab ID: L1625208-02 D
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 08/25/16 16:18
 Analyst: DP

Date Collected: 08/11/16 00:00
 Date Received: 08/11/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 08/15/16 10:37

Volume of Air: 257 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.618		ug/m3	0.039	--	10
Phenanthrene	0.117		ug/m3	0.039	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	121	Q	60-120
Benzo(b)fluoranthene-d12	138	Q	60-120
Fluoranthene-d10	141	Q	60-120
Benzo(a)pyrene-d12	138	Q	60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1625208
Report Date: 08/26/16

SAMPLE RESULTS

Lab ID: L1625208-03
Client ID: FAM-2
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 08/25/16 17:49
Analyst: DP

Date Collected: 08/11/16 00:00
Date Received: 08/11/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 08/15/16 10:37

Volume of Air: 250 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.022		ug/m3	0.004	--	1
Fluoranthene	0.005		ug/m3	0.004	--	1
Naphthalene	0.112	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.015		ug/m3	0.004	--	1
Phenanthrene	0.029		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	98		60-120
Benzo(b)fluoranthene-d12	122	Q	60-120
Fluoranthene-d10	112		60-120
Benzo(a)pyrene-d12	119		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1625208
Report Date: 08/26/16

SAMPLE RESULTS

Lab ID: L1625208-03 D
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 08/25/16 16:48
 Analyst: DP

Date Collected: 08/11/16 00:00
 Date Received: 08/11/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 08/15/16 10:37

Volume of Air: 250 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.115		ug/m3	0.008	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	98		60-120
Benzo(b)fluoranthene-d12	114		60-120
Fluoranthene-d10	108		60-120
Benzo(a)pyrene-d12	114		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1625937
Report Date: 08/31/16

SAMPLE RESULTS

Lab ID: L1625937-01
Client ID: FAM-3
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 08/26/16 18:28
Analyst: DP

Date Collected: 08/18/16 00:00
Date Received: 08/18/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 08/22/16 14:49

Volume of Air: 256 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.007		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.024		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.0039	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.005		ug/m3	0.004	--	1
Phenanthrene	0.011		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	93		60-120
Benzo(b)fluoranthene-d12	107		60-120
Fluoranthene-d10	101		60-120
Benzo(a)pyrene-d12	101		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1625937
Report Date: 08/31/16

SAMPLE RESULTS

Lab ID: L1625937-02
Client ID: FAM-6
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 08/26/16 18:58
Analyst: DP

Date Collected: 08/18/16 00:00
Date Received: 08/18/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 08/22/16 14:49

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.051		ug/m3	0.004	--	1
Fluoranthene	0.007		ug/m3	0.004	--	1
Naphthalene	0.541	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.0039	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	0.025		ug/m3	0.004	--	1
Anthracene	0.005		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.035		ug/m3	0.004	--	1
Phenanthrene	0.045		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	0.004		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	90		60-120
Benzo(b)fluoranthene-d12	107		60-120
Fluoranthene-d10	103		60-120
Benzo(a)pyrene-d12	110		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1625937
Report Date: 08/31/16

SAMPLE RESULTS

Lab ID: L1625937-02 D
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 08/30/16 18:41
 Analyst: DP

Date Collected: 08/18/16 00:00
 Date Received: 08/18/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 08/22/16 14:49

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	1.24		ug/m3	0.079	--	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	104		60-120
Benzo(b)fluoranthene-d12	97		60-120
Fluoranthene-d10	108		60-120
Benzo(a)pyrene-d12	85		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1625937
Report Date: 08/31/16

SAMPLE RESULTS

Lab ID: L1625937-03
Client ID: FAM-1
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 08/26/16 19:29
Analyst: DP

Date Collected: 08/18/16 00:00
Date Received: 08/18/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 08/22/16 14:49

Volume of Air: 261 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.053		ug/m3	0.004	--	1
Fluoranthene	0.008		ug/m3	0.004	--	1
Naphthalene	0.505	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	0.022		ug/m3	0.004	--	1
Anthracene	0.006		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.035		ug/m3	0.004	--	1
Phenanthrene	0.054		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	0.005		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	87		60-120
Benzo(b)fluoranthene-d12	99		60-120
Fluoranthene-d10	93		60-120
Benzo(a)pyrene-d12	99		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1625937
Report Date: 08/31/16

SAMPLE RESULTS

Lab ID: L1625937-03 D
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 08/30/16 19:11
 Analyst: DP

Date Collected: 08/18/16 00:00
 Date Received: 08/18/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 08/22/16 14:49

Volume of Air: 261 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.947		ug/m3	0.077	--	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	93		60-120
Benzo(b)fluoranthene-d12	84		60-120
Fluoranthene-d10	101		60-120
Benzo(a)pyrene-d12	75		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1627363
Report Date: 09/15/16

SAMPLE RESULTS

Lab ID: L1627363-01
Client ID: FAM-5
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 09/06/16 22:05
Analyst: JT

Date Collected: 08/31/16 00:00
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/01/16 13:19

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.015		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.056		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.010		ug/m3	0.004	--	1
Phenanthrene	0.017		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	81		60-120
Benzo(b)fluoranthene-d12	81		60-120
Fluoranthene-d10	88		60-120
Benzo(a)pyrene-d12	74		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1627363
Report Date: 09/15/16

SAMPLE RESULTS

Lab ID: L1627363-02
Client ID: FAM-6
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 09/06/16 23:05
Analyst: JT

Date Collected: 08/31/16 00:00
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/01/16 13:19

Volume of Air: 245 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.246	E	ug/m3	0.004	--	1
Fluoranthene	0.009		ug/m3	0.004	--	1
Naphthalene	1.35	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	0.052		ug/m3	0.004	--	1
Anthracene	0.011		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.111	E	ug/m3	0.004	--	1
Phenanthrene	0.111	E	ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	0.006		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	76		60-120
Benzo(b)fluoranthene-d12	85		60-120
Fluoranthene-d10	80		60-120
Benzo(a)pyrene-d12	79		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1627363
Report Date: 09/15/16

SAMPLE RESULTS

Lab ID: L1627363-02 D
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 09/14/16 19:13
 Analyst: DP

Date Collected: 08/31/16 00:00
 Date Received: 08/31/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 09/01/16 13:19

Volume of Air: 245 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.364		ug/m3	0.204	--	50
Naphthalene	3.32		ug/m3	0.204	--	50
Fluorene	ND		ug/m3	0.204	--	50
Phenanthrene	ND		ug/m3	0.204	--	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	107		60-120
Benzo(b)fluoranthene-d12	104		60-120
Fluoranthene-d10	98		60-120
Benzo(a)pyrene-d12	83		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1627363
Report Date: 09/15/16

SAMPLE RESULTS

Lab ID: L1627363-03
Client ID: FAM-2
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 09/06/16 22:35
Analyst: JT

Date Collected: 08/31/16 00:00
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/01/16 13:19

Volume of Air: 250 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.021		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.102	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.014		ug/m3	0.004	--	1
Phenanthrene	0.019		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	70		60-120
Benzo(b)fluoranthene-d12	79		60-120
Fluoranthene-d10	77		60-120
Benzo(a)pyrene-d12	75		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1627363
Report Date: 09/15/16

SAMPLE RESULTS

Lab ID: L1627363-03 D
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 09/07/16 02:08
 Analyst: JT

Date Collected: 08/31/16 00:00
 Date Received: 08/31/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 09/01/16 13:19

Volume of Air: 250 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.097		ug/m3	0.008	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	63		60-120
Benzo(b)fluoranthene-d12	70		60-120
Fluoranthene-d10	70		60-120
Benzo(a)pyrene-d12	65		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1628235
Report Date: 09/27/16

SAMPLE RESULTS

Lab ID: L1628235-01
Client ID: FAM-3
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 09/14/16 17:05
Analyst: DP

Date Collected: 09/08/16 00:00
Date Received: 09/08/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/12/16 14:10

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.013		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.052		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.011		ug/m3	0.004	--	1
Phenanthrene	0.026		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	97		60-120
Benzo(b)fluoranthene-d12	106		60-120
Fluoranthene-d10	95		60-120
Benzo(a)pyrene-d12	96		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1628235
Report Date: 09/27/16

SAMPLE RESULTS

Lab ID: L1628235-02
Client ID: FAM-6
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 09/14/16 17:37
Analyst: DP

Date Collected: 09/08/16 00:00
Date Received: 09/08/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/12/16 14:10

Volume of Air: 252 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.288	E	ug/m3	0.004	--	1
Fluoranthene	0.025		ug/m3	0.004	--	1
Naphthalene	0.517	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	0.120	E	ug/m3	0.004	--	1
Anthracene	0.018		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.192	E	ug/m3	0.004	--	1
Phenanthrene	0.195	E	ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	0.021		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	95		60-120
Benzo(b)fluoranthene-d12	101		60-120
Fluoranthene-d10	93		60-120
Benzo(a)pyrene-d12	97		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1628235
Report Date: 09/27/16

SAMPLE RESULTS

Lab ID: L1628235-02 D2
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 09/22/16 18:24
 Analyst: DP

Date Collected: 09/08/16 00:00
 Date Received: 09/08/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 09/12/16 14:10

Volume of Air: 252 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	2.10		ug/m3	0.198	--	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	91		60-120
Benzo(b)fluoranthene-d12	95		60-120
Fluoranthene-d10	95		60-120
Benzo(a)pyrene-d12	81		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1628235
Report Date: 09/27/16

SAMPLE RESULTS

Lab ID: L1628235-02 D
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 09/27/16 13:32
 Analyst: DP

Date Collected: 09/08/16 00:00
 Date Received: 09/08/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 09/12/16 14:10

Volume of Air: 252 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Acenaphthene	0.450		ug/m3	0.040	--	10
Acenaphthylene	0.159		ug/m3	0.040	--	10
Fluorene	0.255		ug/m3	0.040	--	10
Phenanthrene	0.427		ug/m3	0.040	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	117		60-120
Benzo(b)fluoranthene-d12	146	Q	60-120
Fluoranthene-d10	118		60-120
Benzo(a)pyrene-d12	96		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1628235
Report Date: 09/27/16

SAMPLE RESULTS

Lab ID: L1628235-03
Client ID: FAM-1
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 09/14/16 18:09
Analyst: DP

Date Collected: 09/08/16 00:00
Date Received: 09/08/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/12/16 14:10

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.146	E	ug/m3	0.004	--	1
Fluoranthene	0.015		ug/m3	0.004	--	1
Naphthalene	0.393	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	0.024		ug/m3	0.004	--	1
Anthracene	0.011		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.066		ug/m3	0.004	--	1
Phenanthrene	0.116	E	ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	0.012		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	95		60-120
Benzo(b)fluoranthene-d12	97		60-120
Fluoranthene-d10	91		60-120
Benzo(a)pyrene-d12	94		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1628235
Report Date: 09/27/16

SAMPLE RESULTS

Lab ID: L1628235-03 D
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 09/22/16 18:55
 Analyst: DP

Date Collected: 09/08/16 00:00
 Date Received: 09/08/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 09/12/16 14:10

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Acenaphthene	0.138		ug/m3	0.079	--	20
Naphthalene	1.14		ug/m3	0.079	--	20
Phenanthrene	0.117		ug/m3	0.079	--	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	84		60-120
Benzo(b)fluoranthene-d12	83		60-120
Fluoranthene-d10	85		60-120
Benzo(a)pyrene-d12	76		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1629186
Report Date: 09/28/16

SAMPLE RESULTS

Lab ID: L1629186-01
Client ID: FAM-5
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 09/27/16 15:38
Analyst: DP

Date Collected: 09/15/16 00:00
Date Received: 09/15/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/20/16 14:04

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.026		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.108	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.013		ug/m3	0.004	--	1
Phenanthrene	0.024		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	134	Q	60-120
Benzo(b)fluoranthene-d12	104		60-120
Fluoranthene-d10	104		60-120
Benzo(a)pyrene-d12	102		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1629186
Report Date: 09/28/16

SAMPLE RESULTS

Lab ID: L1629186-01 D
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 09/27/16 16:09
 Analyst: DP

Date Collected: 09/15/16 00:00
 Date Received: 09/15/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 09/20/16 14:04

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.116		ug/m3	0.008	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	102		60-120
Benzo(b)fluoranthene-d12	105		60-120
Fluoranthene-d10	103		60-120
Benzo(a)pyrene-d12	100		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1629186
Report Date: 09/28/16

SAMPLE RESULTS

Lab ID: L1629186-02
Client ID: FAM-6
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 09/27/16 17:42
Analyst: DP

Date Collected: 09/15/16 00:00
Date Received: 09/15/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/20/16 14:04

Volume of Air: 252 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.234	E	ug/m3	0.004	--	1
Fluoranthene	0.013		ug/m3	0.004	--	1
Naphthalene	0.461	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	0.041		ug/m3	0.004	--	1
Anthracene	0.021		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.124	E	ug/m3	0.004	--	1
Phenanthrene	0.169	E	ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	0.013		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	92		60-120
Benzo(b)fluoranthene-d12	71		60-120
Fluoranthene-d10	69		60-120
Benzo(a)pyrene-d12	82		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1629186
Report Date: 09/28/16

SAMPLE RESULTS

Lab ID: L1629186-02 D2
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 09/27/16 18:45
 Analyst: DP

Date Collected: 09/15/16 00:00
 Date Received: 09/15/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 09/20/16 14:04

Volume of Air: 252 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	1.48		ug/m3	0.198	--	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	98		60-120
Benzo(b)fluoranthene-d12	99		60-120
Fluoranthene-d10	84		60-120
Benzo(a)pyrene-d12	81		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1629186
Report Date: 09/28/16

SAMPLE RESULTS

Lab ID: L1629186-02 D
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 09/27/16 18:13
 Analyst: DP

Date Collected: 09/15/16 00:00
 Date Received: 09/15/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 09/20/16 14:04

Volume of Air: 252 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Acenaphthene	0.262		ug/m3	0.020	--	5
Fluorene	0.138		ug/m3	0.020	--	5
Phenanthrene	0.227		ug/m3	0.020	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	99		60-120
Benzo(b)fluoranthene-d12	103		60-120
Fluoranthene-d10	99		60-120
Benzo(a)pyrene-d12	98		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1629186
Report Date: 09/28/16

SAMPLE RESULTS

Lab ID: L1629186-03
Client ID: FAM-2
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 09/27/16 16:40
Analyst: DP

Date Collected: 09/15/16 00:00
Date Received: 09/15/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/20/16 14:04

Volume of Air: 252 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.040		ug/m3	0.004	--	1
Fluoranthene	0.006		ug/m3	0.004	--	1
Naphthalene	0.192	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.018		ug/m3	0.004	--	1
Phenanthrene	0.031		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	102		60-120
Benzo(b)fluoranthene-d12	105		60-120
Fluoranthene-d10	103		60-120
Benzo(a)pyrene-d12	104		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1629186
Report Date: 09/28/16

SAMPLE RESULTS

Lab ID: L1629186-03 D
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 09/27/16 17:11
 Analyst: DP

Date Collected: 09/15/16 00:00
 Date Received: 09/15/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 09/20/16 14:04

Volume of Air: 252 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.230		ug/m3	0.016	--	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	102		60-120
Benzo(b)fluoranthene-d12	101		60-120
Fluoranthene-d10	103		60-120
Benzo(a)pyrene-d12	104		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1630086
Report Date: 10/05/16

SAMPLE RESULTS

Lab ID: L1630086-01
Client ID: FAM-5
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 10/04/16 17:39
Analyst: SF

Date Collected: 09/22/16 00:00
Date Received: 09/22/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/29/16 13:03

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.013		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.099	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.009		ug/m3	0.004	--	1
Phenanthrene	0.017		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	126	Q	60-120
Benzo(b)fluoranthene-d12	132	Q	60-120
Fluoranthene-d10	119		60-120
Benzo(a)pyrene-d12	140	Q	60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1630086
Report Date: 10/05/16

SAMPLE RESULTS

Lab ID: L1630086-01 D
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 10/04/16 19:42
 Analyst: SF

Date Collected: 09/22/16 00:00
 Date Received: 09/22/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 09/29/16 13:03

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.081		ug/m3	0.020	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	96		60-120
Benzo(b)fluoranthene-d12	97		60-120
Fluoranthene-d10	95		60-120
Benzo(a)pyrene-d12	105		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1630086
Report Date: 10/05/16

SAMPLE RESULTS

Lab ID: L1630086-02
Client ID: FAM-6
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 10/04/16 18:10
Analyst: SF

Date Collected: 09/22/16 00:00
Date Received: 09/22/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/29/16 13:03

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.146	E	ug/m3	0.004	--	1
Fluoranthene	0.014		ug/m3	0.004	--	1
Naphthalene	0.798	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	0.024		ug/m3	0.004	--	1
Anthracene	0.013		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.080	E	ug/m3	0.004	--	1
Phenanthrene	0.134	E	ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	0.011		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	119		60-120
Benzo(b)fluoranthene-d12	130	Q	60-120
Fluoranthene-d10	108		60-120
Benzo(a)pyrene-d12	133	Q	60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1630086
Report Date: 10/05/16

SAMPLE RESULTS

Lab ID: L1630086-02 D2
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 10/04/16 20:43
 Analyst: SF

Date Collected: 09/22/16 00:00
 Date Received: 09/22/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 09/29/16 13:03

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Acenaphthene	0.118		ug/m3	0.020	--	5
Fluorene	0.063		ug/m3	0.020	--	5
Phenanthrene	0.111		ug/m3	0.020	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	94		60-120
Benzo(b)fluoranthene-d12	98		60-120
Fluoranthene-d10	90		60-120
Benzo(a)pyrene-d12	102		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1630086
Report Date: 10/05/16

SAMPLE RESULTS

Lab ID: L1630086-02 D
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 10/04/16 20:13
 Analyst: SF

Date Collected: 09/22/16 00:00
 Date Received: 09/22/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 09/29/16 13:03

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	1.01		ug/m3	0.198	--	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	0	Q	60-120
Benzo(b)fluoranthene-d12	0	Q	60-120
Fluoranthene-d10	0	Q	60-120
Benzo(a)pyrene-d12	0	Q	60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1630086
Report Date: 10/05/16

SAMPLE RESULTS

Lab ID: L1630086-03
Client ID: FAM-2
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 10/04/16 18:41
Analyst: SF

Date Collected: 09/22/16 00:00
Date Received: 09/22/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/29/16 13:03

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.065		ug/m3	0.004	--	1
Fluoranthene	0.009		ug/m3	0.004	--	1
Naphthalene	0.418	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.030		ug/m3	0.004	--	1
Phenanthrene	0.049		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	0.004		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	119		60-120
Benzo(b)fluoranthene-d12	133	Q	60-120
Fluoranthene-d10	108		60-120
Benzo(a)pyrene-d12	136	Q	60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1630086
Report Date: 10/05/16

SAMPLE RESULTS

Lab ID: L1630086-03 D
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 10/04/16 21:14
 Analyst: SF

Date Collected: 09/22/16 00:00
 Date Received: 09/22/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 09/29/16 13:03

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.479		ug/m3	0.098	--	25

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	0	Q	60-120
Benzo(b)fluoranthene-d12	0	Q	60-120
Fluoranthene-d10	0	Q	60-120
Benzo(a)pyrene-d12	0	Q	60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1630970
Report Date: 10/13/16

SAMPLE RESULTS

Lab ID: L1630970-01
Client ID: FAM-5
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 10/11/16 16:33
Analyst: SF

Date Collected: 09/29/16 00:00
Date Received: 09/29/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 10/03/16 14:40

Volume of Air: 257 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.034		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.281	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.017		ug/m3	0.004	--	1
Phenanthrene	0.027		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	127	Q	60-120
Benzo(b)fluoranthene-d12	136	Q	60-120
Fluoranthene-d10	139	Q	60-120
Benzo(a)pyrene-d12	135	Q	60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1630970
Report Date: 10/13/16

SAMPLE RESULTS

Lab ID: L1630970-01 D
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 10/11/16 18:35
 Analyst: SF

Date Collected: 09/29/16 00:00
 Date Received: 09/29/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 10/03/16 14:40

Volume of Air: 257 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.268		ug/m3	0.097	--	25

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	0	Q	60-120
Benzo(b)fluoranthene-d12	0	Q	60-120
Fluoranthene-d10	0	Q	60-120
Benzo(a)pyrene-d12	0	Q	60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1630970
Report Date: 10/13/16

SAMPLE RESULTS

Lab ID: L1630970-02
Client ID: FAM-6
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 10/11/16 17:04
Analyst: SF

Date Collected: 09/29/16 00:00
Date Received: 09/29/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 10/03/16 14:40

Volume of Air: 255 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.153	E	ug/m3	0.004	--	1
Fluoranthene	0.011		ug/m3	0.004	--	1
Naphthalene	0.477	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	0.020		ug/m3	0.004	--	1
Anthracene	0.013		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.082	E	ug/m3	0.004	--	1
Phenanthrene	0.137	E	ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	0.009		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	115		60-120
Benzo(b)fluoranthene-d12	121	Q	60-120
Fluoranthene-d10	117		60-120
Benzo(a)pyrene-d12	117		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1630970
Report Date: 10/13/16

SAMPLE RESULTS

Lab ID: L1630970-02 D2
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 10/11/16 19:36
 Analyst: SF

Date Collected: 09/29/16 00:00
 Date Received: 09/29/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 10/03/16 14:40

Volume of Air: 255 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.902		ug/m3	0.196	--	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	0	Q	60-120
Benzo(b)fluoranthene-d12	0	Q	60-120
Fluoranthene-d10	0	Q	60-120
Benzo(a)pyrene-d12	0	Q	60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1630970
Report Date: 10/13/16

SAMPLE RESULTS

Lab ID: L1630970-02 D
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 10/11/16 19:06
 Analyst: SF

Date Collected: 09/29/16 00:00
 Date Received: 09/29/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 10/03/16 14:40

Volume of Air: 255 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Acenaphthene	0.176		ug/m3	0.039	--	10
Fluorene	0.097		ug/m3	0.039	--	10
Phenanthrene	0.152		ug/m3	0.039	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	0	Q	60-120
Benzo(b)fluoranthene-d12	0	Q	60-120
Fluoranthene-d10	0	Q	60-120
Benzo(a)pyrene-d12	0	Q	60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1630970
Report Date: 10/13/16

SAMPLE RESULTS

Lab ID: L1630970-03
Client ID: FAM-1
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 10/11/16 17:34
Analyst: SF

Date Collected: 09/29/16 00:00
Date Received: 09/29/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 10/03/16 14:40

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.025		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.150	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.014		ug/m3	0.004	--	1
Phenanthrene	0.026		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	112		60-120
Benzo(b)fluoranthene-d12	114		60-120
Fluoranthene-d10	112		60-120
Benzo(a)pyrene-d12	100		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1630970
Report Date: 10/13/16

SAMPLE RESULTS

Lab ID: L1630970-03 D
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 10/11/16 20:06
 Analyst: SF

Date Collected: 09/29/16 00:00
 Date Received: 09/29/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 10/03/16 14:40

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.191		ug/m3	0.040	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	0	Q	60-120
Benzo(b)fluoranthene-d12	0	Q	60-120
Fluoranthene-d10	0	Q	60-120
Benzo(a)pyrene-d12	0		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1631811
Report Date: 10/17/16

SAMPLE RESULTS

Lab ID: L1631811-01
Client ID: FAM-5
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 10/13/16 12:57
Analyst: DP

Date Collected: 10/05/16 00:00
Date Received: 10/05/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 10/10/16 14:58

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.031		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.175	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	0.005		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.015		ug/m3	0.004	--	1
Phenanthrene	0.021		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	105		60-120
Benzo(b)fluoranthene-d12	104		60-120
Fluoranthene-d10	107		60-120
Benzo(a)pyrene-d12	105		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1631811
Report Date: 10/17/16

SAMPLE RESULTS

Lab ID: L1631811-01 D
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 10/13/16 15:01
 Analyst: DP

Date Collected: 10/05/16 00:00
 Date Received: 10/05/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 10/10/16 14:58

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.189		ug/m3	0.020	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	104		60-120
Benzo(b)fluoranthene-d12	102		60-120
Fluoranthene-d10	107		60-120
Benzo(a)pyrene-d12	103		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1631811
Report Date: 10/17/16

SAMPLE RESULTS

Lab ID: L1631811-02
Client ID: FAM-6
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 10/13/16 13:28
Analyst: DP

Date Collected: 10/05/16 00:00
Date Received: 10/05/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 10/10/16 14:58

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.243	E	ug/m3	0.004	--	1
Fluoranthene	0.010		ug/m3	0.004	--	1
Naphthalene	0.642	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	0.036		ug/m3	0.004	--	1
Anthracene	0.014		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.124	E	ug/m3	0.004	--	1
Phenanthrene	0.154	E	ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	0.008		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	102		60-120
Benzo(b)fluoranthene-d12	100		60-120
Fluoranthene-d10	101		60-120
Benzo(a)pyrene-d12	98		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1631811
Report Date: 10/17/16

SAMPLE RESULTS

Lab ID: L1631811-02 D2
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 10/13/16 16:03
 Analyst: DP

Date Collected: 10/05/16 00:00
 Date Received: 10/05/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 10/10/16 14:58

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	1.21		ug/m3	0.099	--	25

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	92		60-120
Benzo(b)fluoranthene-d12	89		60-120
Fluoranthene-d10	96		60-120
Benzo(a)pyrene-d12	91		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1631811
Report Date: 10/17/16

SAMPLE RESULTS

Lab ID: L1631811-02 D
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 10/13/16 15:32
 Analyst: DP

Date Collected: 10/05/16 00:00
 Date Received: 10/05/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 10/10/16 14:58

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Acenaphthene	0.240		ug/m3	0.020	--	5
Naphthalene	1.13	E	ug/m3	0.020	--	5
Fluorene	0.123		ug/m3	0.020	--	5
Phenanthrene	0.144		ug/m3	0.020	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	99		60-120
Benzo(b)fluoranthene-d12	95		60-120
Fluoranthene-d10	99		60-120
Benzo(a)pyrene-d12	94		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1631811
Report Date: 10/17/16

SAMPLE RESULTS

Lab ID: L1631811-03
Client ID: FAM-1
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 10/13/16 13:59
Analyst: DP

Date Collected: 10/05/16 00:00
Date Received: 10/05/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 10/10/16 14:58

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.080	E	ug/m3	0.004	--	1
Fluoranthene	0.005		ug/m3	0.004	--	1
Naphthalene	0.251	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	0.011		ug/m3	0.004	--	1
Anthracene	0.004		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.040		ug/m3	0.004	--	1
Phenanthrene	0.051		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	103		60-120
Benzo(b)fluoranthene-d12	102		60-120
Fluoranthene-d10	104		60-120
Benzo(a)pyrene-d12	98		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1631811
Report Date: 10/17/16

SAMPLE RESULTS

Lab ID: L1631811-03 D
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 10/13/16 16:34
 Analyst: DP

Date Collected: 10/05/16 00:00
 Date Received: 10/05/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 10/10/16 14:58

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Acenaphthene	0.075		ug/m3	0.020	--	5
Naphthalene	0.320		ug/m3	0.020	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	100		60-120
Benzo(b)fluoranthene-d12	95		60-120
Fluoranthene-d10	104		60-120
Benzo(a)pyrene-d12	91		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1632919
Report Date: 10/27/16

SAMPLE RESULTS

Lab ID: L1632919-01
Client ID: FAM-3
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 10/21/16 01:11
Analyst: DP

Date Collected: 10/13/16 00:00
Date Received: 10/13/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 10/18/16 15:15

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.010		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.087	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.009		ug/m3	0.004	--	1
Phenanthrene	0.016		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	108		60-120
Benzo(b)fluoranthene-d12	120		60-120
Fluoranthene-d10	95		60-120
Benzo(a)pyrene-d12	98		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1632919
Report Date: 10/27/16

SAMPLE RESULTS

Lab ID: L1632919-01 D
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 10/21/16 10:38
 Analyst: DP

Date Collected: 10/13/16 00:00
 Date Received: 10/13/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 10/18/16 15:15

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.121		ug/m3	0.020	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	161	Q	60-120
Benzo(b)fluoranthene-d12	166	Q	60-120
Fluoranthene-d10	129	Q	60-120
Benzo(a)pyrene-d12	135	Q	60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1632919
Report Date: 10/27/16

SAMPLE RESULTS

Lab ID: L1632919-02
Client ID: FAM-5
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 10/21/16 01:43
Analyst: DP

Date Collected: 10/13/16 00:00
Date Received: 10/13/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 10/18/16 15:15

Volume of Air: 255 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.015		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	ND		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	107		60-120
Benzo(b)fluoranthene-d12	114		60-120
Fluoranthene-d10	106		60-120
Benzo(a)pyrene-d12	105		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1632919
Report Date: 10/27/16

SAMPLE RESULTS

Lab ID: L1632919-03
Client ID: FAM-2
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 10/21/16 02:14
Analyst: DP

Date Collected: 10/13/16 00:00
Date Received: 10/13/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 10/18/16 15:15

Volume of Air: 256 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.050		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.216	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	0.006		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.027		ug/m3	0.004	--	1
Phenanthrene	0.038		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	106		60-120
Benzo(b)fluoranthene-d12	117		60-120
Fluoranthene-d10	106		60-120
Benzo(a)pyrene-d12	105		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1632919
Report Date: 10/27/16

SAMPLE RESULTS

Lab ID: L1632919-03 D
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 10/21/16 11:08
 Analyst: DP

Date Collected: 10/13/16 00:00
 Date Received: 10/13/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 10/18/16 15:15

Volume of Air: 256 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.269		ug/m3	0.020	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	146	Q	60-120
Benzo(b)fluoranthene-d12	157	Q	60-120
Fluoranthene-d10	140	Q	60-120
Benzo(a)pyrene-d12	138	Q	60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1633840
Report Date: 11/01/16

SAMPLE RESULTS

Lab ID: L1633840-01
Client ID: FAM-5
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 10/31/16 00:26
Analyst: SF

Date Collected: 10/20/16 00:00
Date Received: 10/20/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 10/27/16 14:15

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.013		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.059		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.009		ug/m3	0.004	--	1
Phenanthrene	0.017		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	103		60-120
Benzo(b)fluoranthene-d12	110		60-120
Fluoranthene-d10	96		60-120
Benzo(a)pyrene-d12	90		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1633840
Report Date: 11/01/16

SAMPLE RESULTS

Lab ID: L1633840-02
Client ID: FAM-6
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 10/31/16 00:56
Analyst: SF

Date Collected: 10/20/16 00:00
Date Received: 10/20/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 10/27/16 14:15

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.145	E	ug/m3	0.004	--	1
Fluoranthene	0.015		ug/m3	0.004	--	1
Naphthalene	0.546	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	0.021		ug/m3	0.004	--	1
Anthracene	0.012		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.095	E	ug/m3	0.004	--	1
Phenanthrene	0.164	E	ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	0.012		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	106		60-120
Benzo(b)fluoranthene-d12	112		60-120
Fluoranthene-d10	91		60-120
Benzo(a)pyrene-d12	89		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1633840
Report Date: 11/01/16

SAMPLE RESULTS

Lab ID: L1633840-02 D
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 10/31/16 09:12
 Analyst: SF

Date Collected: 10/20/16 00:00
 Date Received: 10/20/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 10/27/16 14:15

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Acenaphthene	0.126		ug/m3	0.040	--	10
Naphthalene	0.612		ug/m3	0.040	--	10
Fluorene	0.088		ug/m3	0.040	--	10
Phenanthrene	0.149		ug/m3	0.040	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	102		60-120
Benzo(b)fluoranthene-d12	99		60-120
Fluoranthene-d10	89		60-120
Benzo(a)pyrene-d12	80		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1633840
Report Date: 11/01/16

SAMPLE RESULTS

Lab ID: L1633840-03
Client ID: FAM-2
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 10/31/16 01:27
Analyst: SF

Date Collected: 10/20/16 00:00
Date Received: 10/20/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 10/27/16 14:15

Volume of Air: 210 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.027		ug/m3	0.005	--	1
Fluoranthene	ND		ug/m3	0.005	--	1
Naphthalene	0.107	E	ug/m3	0.005	--	1
Benz(a)anthracene	ND		ug/m3	0.005	--	1
Benzo(a)pyrene	ND		ug/m3	0.005	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.005	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.005	--	1
Chrysene	ND		ug/m3	0.005	--	1
Acenaphthylene	ND		ug/m3	0.005	--	1
Anthracene	ND		ug/m3	0.005	--	1
Benzo(ghi)perylene	ND		ug/m3	0.005	--	1
Fluorene	0.017		ug/m3	0.005	--	1
Phenanthrene	0.029		ug/m3	0.005	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.005	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.005	--	1
Pyrene	ND		ug/m3	0.005	--	1
Perylene	ND		ug/m3	0.005	--	1
Benzo(e)Pyrene	ND		ug/m3	0.005	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	114		60-120
Benzo(b)fluoranthene-d12	120		60-120
Fluoranthene-d10	101		60-120
Benzo(a)pyrene-d12	96		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1633840
Report Date: 11/01/16

SAMPLE RESULTS

Lab ID: L1633840-03 D
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 10/31/16 10:13
 Analyst: SF

Date Collected: 10/20/16 00:00
 Date Received: 10/20/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 10/27/16 14:15

Volume of Air: 210 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.10		ug/m3	0.024	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	106		60-120
Benzo(b)fluoranthene-d12	109		60-120
Fluoranthene-d10	92		60-120
Benzo(a)pyrene-d12	87		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1634744
Report Date: 11/04/16

SAMPLE RESULTS

Lab ID: L1634744-01
Client ID: FAM-3
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 11/02/16 10:10
Analyst: SF

Date Collected: 10/27/16 00:00
Date Received: 10/27/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 10/31/16 16:00

Volume of Air: 255 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.031		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	0.005		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	116		60-120
Benzo(b)fluoranthene-d12	125	Q	60-120
Fluoranthene-d10	102		60-120
Benzo(a)pyrene-d12	103		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1634744
Report Date: 11/04/16

SAMPLE RESULTS

Lab ID: L1634744-02
Client ID: FAM-5
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 11/02/16 10:40
Analyst: SF

Date Collected: 10/27/16 00:00
Date Received: 10/27/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 10/31/16 16:00

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.004		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.034		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	0.005		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	117		60-120
Benzo(b)fluoranthene-d12	125	Q	60-120
Fluoranthene-d10	105		60-120
Benzo(a)pyrene-d12	105		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1634744
Report Date: 11/04/16

SAMPLE RESULTS

Lab ID: L1634744-03
Client ID: FAM-6
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 11/02/16 11:10
Analyst: SF

Date Collected: 10/27/16 00:00
Date Received: 10/27/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 10/31/16 16:00

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.019		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.204	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.015		ug/m3	0.004	--	1
Phenanthrene	0.022		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	113		60-120
Benzo(b)fluoranthene-d12	124	Q	60-120
Fluoranthene-d10	99		60-120
Benzo(a)pyrene-d12	96		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1634744
Report Date: 11/04/16

SAMPLE RESULTS

Lab ID: L1634744-03 D
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 11/02/16 12:27
 Analyst: SF

Date Collected: 10/27/16 00:00
 Date Received: 10/27/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 10/31/16 16:00

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.212		ug/m3	0.039	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	119		60-120
Benzo(b)fluoranthene-d12	119		60-120
Fluoranthene-d10	100		60-120
Benzo(a)pyrene-d12	96		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1635643
Report Date: 11/18/16

SAMPLE RESULTS

Lab ID: L1635643-01
Client ID: FAM-3
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 11/17/16 15:19
Analyst: JT

Date Collected: 11/03/16 00:00
Date Received: 11/03/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/10/16 18:30

Volume of Air: 260 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.010		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.136	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.010		ug/m3	0.004	--	1
Phenanthrene	0.018		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	132	Q	60-120
Benzo(b)fluoranthene-d12	138	Q	60-120
Fluoranthene-d10	102		60-120
Benzo(a)pyrene-d12	109		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1635643
Report Date: 11/18/16

SAMPLE RESULTS

Lab ID: L1635643-01 D
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 11/17/16 17:23
 Analyst: JT

Date Collected: 11/03/16 00:00
 Date Received: 11/03/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 11/10/16 18:30

Volume of Air: 260 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.117		ug/m3	0.039	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	121	Q	60-120
Benzo(b)fluoranthene-d12	124	Q	60-120
Fluoranthene-d10	89		60-120
Benzo(a)pyrene-d12	90		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1635643
Report Date: 11/18/16

SAMPLE RESULTS

Lab ID: L1635643-02
Client ID: FAM-4
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 11/17/16 15:50
Analyst: JT

Date Collected: 11/03/16 00:00
Date Received: 11/03/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/10/16 18:30

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.010		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.418	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.009		ug/m3	0.004	--	1
Phenanthrene	0.015		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	129	Q	60-120
Benzo(b)fluoranthene-d12	138	Q	60-120
Fluoranthene-d10	99		60-120
Benzo(a)pyrene-d12	108		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1635643
Report Date: 11/18/16

SAMPLE RESULTS

Lab ID: L1635643-02 D
 Client ID: FAM-4
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 11/17/16 17:54
 Analyst: JT

Date Collected: 11/03/16 00:00
 Date Received: 11/03/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 11/10/16 18:30

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.565		ug/m3	0.040	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	115		60-120
Benzo(b)fluoranthene-d12	121	Q	60-120
Fluoranthene-d10	90		60-120
Benzo(a)pyrene-d12	96		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1635643
Report Date: 11/18/16

SAMPLE RESULTS

Lab ID: L1635643-03
Client ID: FAM-6
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 11/17/16 16:21
Analyst: JT

Date Collected: 11/03/16 00:00
Date Received: 11/03/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/10/16 18:30

Volume of Air: 252 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.249	E	ug/m3	0.004	--	1
Fluoranthene	0.007		ug/m3	0.004	--	1
Naphthalene	1.12	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	0.041		ug/m3	0.004	--	1
Anthracene	0.010		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.065		ug/m3	0.004	--	1
Phenanthrene	0.091	E	ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	0.005		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	119		60-120
Benzo(b)fluoranthene-d12	131	Q	60-120
Fluoranthene-d10	94		60-120
Benzo(a)pyrene-d12	108		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1635643
Report Date: 11/18/16

SAMPLE RESULTS

Lab ID: L1635643-03 D
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 11/17/16 18:24
 Analyst: JT

Date Collected: 11/03/16 00:00
 Date Received: 11/03/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 11/10/16 18:30

Volume of Air: 252 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Acenaphthene	0.204		ug/m3	0.040	--	10
Phenanthrene	0.076		ug/m3	0.040	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	108		60-120
Benzo(b)fluoranthene-d12	115		60-120
Fluoranthene-d10	85		60-120
Benzo(a)pyrene-d12	94		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1635643
Report Date: 11/18/16

SAMPLE RESULTS

Lab ID: L1635643-03 D
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 11/17/16 18:55
 Analyst: JT

Date Collected: 11/03/16 00:00
 Date Received: 11/03/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 11/10/16 18:30

Volume of Air: 252 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	4.48		ug/m3	0.397	--	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	104		60-120
Benzo(b)fluoranthene-d12	114		60-120
Fluoranthene-d10	91		60-120
Benzo(a)pyrene-d12	95		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1636656
Report Date: 11/23/16

SAMPLE RESULTS

Lab ID: L1636656-01
Client ID: FAM-3
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 11/22/16 23:58
Analyst: JT

Date Collected: 11/10/16 00:00
Date Received: 11/10/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/16/16 16:10

Volume of Air: 249 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.030		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	0.006		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	118		60-120
Benzo(b)fluoranthene-d12	121	Q	60-120
Fluoranthene-d10	108		60-120
Benzo(a)pyrene-d12	121	Q	60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1636656
Report Date: 11/23/16

SAMPLE RESULTS

Lab ID: L1636656-02
Client ID: FAM-6
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 11/23/16 00:34
Analyst: JT

Date Collected: 11/10/16 00:00
Date Received: 11/10/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/16/16 16:10

Volume of Air: 250 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.068		ug/m3	0.004	--	1
Fluoranthene	0.006		ug/m3	0.004	--	1
Naphthalene	0.504	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	0.029		ug/m3	0.004	--	1
Anthracene	0.008		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.052		ug/m3	0.004	--	1
Phenanthrene	0.073		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	0.005		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	97		60-120
Benzo(b)fluoranthene-d12	110		60-120
Fluoranthene-d10	100		60-120
Benzo(a)pyrene-d12	107		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1636656
Report Date: 11/23/16

SAMPLE RESULTS

Lab ID: L1636656-02 D2
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 11/23/16 08:24
 Analyst: JT

Date Collected: 11/10/16 00:00
 Date Received: 11/10/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 11/16/16 16:10

Volume of Air: 250 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	1.24		ug/m3	0.200	--	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	79		60-120
Benzo(b)fluoranthene-d12	86		60-120
Fluoranthene-d10	87		60-120
Benzo(a)pyrene-d12	84		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1636656
Report Date: 11/23/16

SAMPLE RESULTS

Lab ID: L1636656-03
Client ID: FAM-1
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 11/23/16 01:10
Analyst: JT

Date Collected: 11/10/16 00:00
Date Received: 11/10/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/16/16 16:10

Volume of Air: 260 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.011		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.082	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.009		ug/m3	0.004	--	1
Phenanthrene	0.017		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	97		60-120
Benzo(b)fluoranthene-d12	106		60-120
Fluoranthene-d10	97		60-120
Benzo(a)pyrene-d12	111		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1636656
Report Date: 11/23/16

SAMPLE RESULTS

Lab ID: L1636656-03 D
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 11/23/16 03:33
 Analyst: JT

Date Collected: 11/10/16 00:00
 Date Received: 11/10/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 11/16/16 16:10

Volume of Air: 260 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.082		ug/m3	0.039	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	87		60-120
Benzo(b)fluoranthene-d12	91		60-120
Fluoranthene-d10	89		60-120
Benzo(a)pyrene-d12	91		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1637526
Report Date: 12/02/16

SAMPLE RESULTS

Lab ID: L1637526-01
Client ID: FAM-3
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 11/30/16 18:36
Analyst: JT

Date Collected: 11/17/16 00:00
Date Received: 11/17/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/23/16 12:18

Volume of Air: 255 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.036		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	ND		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	82		60-120
Benzo(b)fluoranthene-d12	88		60-120
Fluoranthene-d10	81		60-120
Benzo(a)pyrene-d12	90		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1637526
Report Date: 12/02/16

SAMPLE RESULTS

Lab ID: L1637526-02
Client ID: FAM-6
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 11/30/16 19:11
Analyst: JT

Date Collected: 11/17/16 00:00
Date Received: 11/17/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/23/16 12:18

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.058		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.373	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	0.009		ug/m3	0.004	--	1
Anthracene	0.004		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.032		ug/m3	0.004	--	1
Phenanthrene	0.050		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	79		60-120
Benzo(b)fluoranthene-d12	87		60-120
Fluoranthene-d10	77		60-120
Benzo(a)pyrene-d12	91		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1637526
Report Date: 12/02/16

SAMPLE RESULTS

Lab ID: L1637526-02 D
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 12/01/16 15:10
 Analyst: JT

Date Collected: 11/17/16 00:00
 Date Received: 11/17/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 11/23/16 12:18

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.681		ug/m3	0.079	--	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	0	Q	60-120
Benzo(b)fluoranthene-d12	0	Q	60-120
Fluoranthene-d10	0	Q	60-120
Benzo(a)pyrene-d12	0	Q	60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1637526
Report Date: 12/02/16

SAMPLE RESULTS

Lab ID: L1637526-03
Client ID: FAM-1
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 11/30/16 19:46
Analyst: JT

Date Collected: 11/17/16 00:00
Date Received: 11/17/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/23/16 12:18

Volume of Air: 259 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.022		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.167	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	0.005		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.015		ug/m3	0.004	--	1
Phenanthrene	0.023		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	76		60-120
Benzo(b)fluoranthene-d12	81		60-120
Fluoranthene-d10	75		60-120
Benzo(a)pyrene-d12	84		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1637526
Report Date: 12/02/16

SAMPLE RESULTS

Lab ID: L1637526-03 D
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 12/01/16 15:41
 Analyst: JT

Date Collected: 11/17/16 00:00
 Date Received: 11/17/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 11/23/16 12:18

Volume of Air: 259 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.172		ug/m3	0.039	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	0	Q	60-120
Benzo(b)fluoranthene-d12	0	Q	60-120
Fluoranthene-d10	0	Q	60-120
Benzo(a)pyrene-d12	0	Q	60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1638310
Report Date: 12/02/16

SAMPLE RESULTS

Lab ID: L1638310-01
Client ID: FAM-3
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 11/30/16 20:51
Analyst: JT

Date Collected: 11/23/16 00:00
Date Received: 11/23/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/16 20:10

Volume of Air: 223 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.005		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	ND		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	79		60-120
Benzo(b)fluoranthene-d12	89		60-120
Fluoranthene-d10	79		60-120
Benzo(a)pyrene-d12	91		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1638310
Report Date: 12/02/16

SAMPLE RESULTS

Lab ID: L1638310-02
Client ID: FAM-5
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 11/30/16 21:26
Analyst: JT

Date Collected: 11/23/16 00:00
Date Received: 11/23/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/16 20:10

Volume of Air: 220 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.005	--	1
Fluoranthene	ND		ug/m3	0.005	--	1
Naphthalene	0.014		ug/m3	0.005	--	1
Benz(a)anthracene	ND		ug/m3	0.005	--	1
Benzo(a)pyrene	ND		ug/m3	0.005	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.005	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.005	--	1
Chrysene	ND		ug/m3	0.005	--	1
Acenaphthylene	ND		ug/m3	0.005	--	1
Anthracene	ND		ug/m3	0.005	--	1
Benzo(ghi)perylene	ND		ug/m3	0.005	--	1
Fluorene	ND		ug/m3	0.005	--	1
Phenanthrene	ND		ug/m3	0.005	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.005	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.005	--	1
Pyrene	ND		ug/m3	0.005	--	1
Perylene	ND		ug/m3	0.005	--	1
Benzo(e)Pyrene	ND		ug/m3	0.005	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	84		60-120
Benzo(b)fluoranthene-d12	90		60-120
Fluoranthene-d10	82		60-120
Benzo(a)pyrene-d12	90		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1638310
Report Date: 12/02/16

SAMPLE RESULTS

Lab ID: L1638310-03
Client ID: FAM-2
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 11/30/16 21:56
Analyst: JT

Date Collected: 11/23/16 00:00
Date Received: 11/23/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 11/28/16 20:10

Volume of Air: 216 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.005	--	1
Fluoranthene	ND		ug/m3	0.005	--	1
Naphthalene	0.049		ug/m3	0.005	--	1
Benz(a)anthracene	ND		ug/m3	0.005	--	1
Benzo(a)pyrene	ND		ug/m3	0.005	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.005	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.005	--	1
Chrysene	ND		ug/m3	0.005	--	1
Acenaphthylene	ND		ug/m3	0.005	--	1
Anthracene	ND		ug/m3	0.005	--	1
Benzo(ghi)perylene	ND		ug/m3	0.005	--	1
Fluorene	ND		ug/m3	0.005	--	1
Phenanthrene	ND		ug/m3	0.005	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.005	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.005	--	1
Pyrene	ND		ug/m3	0.005	--	1
Perylene	ND		ug/m3	0.005	--	1
Benzo(e)Pyrene	ND		ug/m3	0.005	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	83		60-120
Benzo(b)fluoranthene-d12	88		60-120
Fluoranthene-d10	79		60-120
Benzo(a)pyrene-d12	91		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1639050
Report Date: 12/22/16

SAMPLE RESULTS

Lab ID: L1639050-01
Client ID: FAM-5
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 12/18/16 22:52
Analyst: SF

Date Collected: 12/01/16 00:00
Date Received: 12/01/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/16 18:06

Volume of Air: 252 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.035		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	0.006		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	88		60-120
Benzo(b)fluoranthene-d12	98		60-120
Fluoranthene-d10	88		60-120
Benzo(a)pyrene-d12	99		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1639050
Report Date: 12/22/16

SAMPLE RESULTS

Lab ID: L1639050-02
Client ID: FAM-6
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 12/18/16 23:31
Analyst: SF

Date Collected: 12/01/16 00:00
Date Received: 12/01/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/16 18:06

Volume of Air: 252 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.006		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.066		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.006		ug/m3	0.004	--	1
Phenanthrene	0.014		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	99		60-120
Benzo(b)fluoranthene-d12	106		60-120
Fluoranthene-d10	100		60-120
Benzo(a)pyrene-d12	112		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1639050
Report Date: 12/22/16

SAMPLE RESULTS

Lab ID: L1639050-03
Client ID: FAM-2
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 12/19/16 00:10
Analyst: SF

Date Collected: 12/01/16 00:00
Date Received: 12/01/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/06/16 18:06

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.022		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.307	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.012		ug/m3	0.004	--	1
Phenanthrene	0.026		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	102		60-120
Benzo(b)fluoranthene-d12	106		60-120
Fluoranthene-d10	96		60-120
Benzo(a)pyrene-d12	111		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1639050
Report Date: 12/22/16

SAMPLE RESULTS

Lab ID: L1639050-03 D
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 12/20/16 11:40
 Analyst: SF

Date Collected: 12/01/16 00:00
 Date Received: 12/01/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/06/16 18:06

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.350		ug/m3	0.039	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	138	Q	60-120
Benzo(b)fluoranthene-d12	101		60-120
Fluoranthene-d10	138	Q	60-120
Benzo(a)pyrene-d12	98		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1639961
Report Date: 12/22/16

SAMPLE RESULTS

Lab ID: L1639961-01
Client ID: FAM-3
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 12/19/16 01:28
Analyst: SF

Date Collected: 12/08/16 00:00
Date Received: 12/08/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/15/16 13:00

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.068		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	ND		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	96		60-120
Benzo(b)fluoranthene-d12	101		60-120
Fluoranthene-d10	106		60-120
Benzo(a)pyrene-d12	119		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1639961
Report Date: 12/22/16

SAMPLE RESULTS

Lab ID: L1639961-02
Client ID: FAM-6
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 12/19/16 02:07
Analyst: SF

Date Collected: 12/08/16 00:00
Date Received: 12/08/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/15/16 13:00

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.014		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.119	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	0.006		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.009		ug/m3	0.004	--	1
Phenanthrene	0.012		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	103		60-120
Benzo(b)fluoranthene-d12	103		60-120
Fluoranthene-d10	98		60-120
Benzo(a)pyrene-d12	118		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1639961
Report Date: 12/22/16

SAMPLE RESULTS

Lab ID: L1639961-02 D
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 12/20/16 16:21
 Analyst: SF

Date Collected: 12/08/16 00:00
 Date Received: 12/08/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/15/16 13:00

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.120		ug/m3	0.020	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	94		60-120
Benzo(b)fluoranthene-d12	92		60-120
Fluoranthene-d10	102		60-120
Benzo(a)pyrene-d12	100		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1639961
Report Date: 12/22/16

SAMPLE RESULTS

Lab ID: L1639961-03
Client ID: FAM-1
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 12/19/16 02:46
Analyst: SF

Date Collected: 12/08/16 00:00
Date Received: 12/08/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/15/16 13:00

Volume of Air: 257 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.035		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.359	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	0.008		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.017		ug/m3	0.004	--	1
Phenanthrene	0.021		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	99		60-120
Benzo(b)fluoranthene-d12	106		60-120
Fluoranthene-d10	108		60-120
Benzo(a)pyrene-d12	124	Q	60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1639961
Report Date: 12/22/16

SAMPLE RESULTS

Lab ID: L1639961-03 D
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 12/20/16 17:03
 Analyst: SF

Date Collected: 12/08/16 00:00
 Date Received: 12/08/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/15/16 13:00

Volume of Air: 257 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.492		ug/m3	0.039	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	81		60-120
Benzo(b)fluoranthene-d12	99		60-120
Fluoranthene-d10	110		60-120
Benzo(a)pyrene-d12	107		60-120

Project Name: O&R SUFFERN, NY
Project Number: 60481992 TASK3

Lab Number: L1640977
Report Date: 12/22/16

SAMPLE RESULTS

Lab ID: L1640977-01
Client ID: FAM-4
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 12/20/16 13:39
Analyst: JT

Date Collected: 12/15/16 00:00
Date Received: 12/15/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/16/16 17:15

Volume of Air: 256 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.018		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	ND		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	136	Q	60-120
Benzo(b)fluoranthene-d12	108		60-120
Fluoranthene-d10	104		60-120
Benzo(a)pyrene-d12	101		60-120

Project Name: O&R SUFFERN, NY
Project Number: 60481992 TASK3

Lab Number: L1640977
Report Date: 12/22/16

SAMPLE RESULTS

Lab ID: L1640977-02
Client ID: FAM-6
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 12/20/16 14:19
Analyst: JT

Date Collected: 12/15/16 00:00
Date Received: 12/15/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/16/16 17:15

Volume of Air: 252 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.004		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.037		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	0.005		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	107		60-120
Benzo(b)fluoranthene-d12	109		60-120
Fluoranthene-d10	108		60-120
Benzo(a)pyrene-d12	105		60-120



Project Name: O&R SUFFERN, NY
Project Number: 60481992 TASK3

Lab Number: L1640977
Report Date: 12/22/16

SAMPLE RESULTS

Lab ID: L1640977-03
Client ID: FAM-2
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 12/20/16 14:59
Analyst: JT

Date Collected: 12/15/16 00:00
Date Received: 12/15/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/16/16 17:15

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.029		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	ND		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	97		60-120
Benzo(b)fluoranthene-d12	97		60-120
Fluoranthene-d10	95		60-120
Benzo(a)pyrene-d12	95		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1641931
Report Date: 01/09/17

SAMPLE RESULTS

Lab ID: L1641931-01
Client ID: FAM-4
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 01/05/17 15:09
Analyst: JT

Date Collected: 12/22/16 00:00
Date Received: 12/22/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/27/16 10:57

Volume of Air: 255 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.005		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.079	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	0.006		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.005		ug/m3	0.004	--	1
Phenanthrene	0.008		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	96		60-120
Benzo(b)fluoranthene-d12	103		60-120
Fluoranthene-d10	94		60-120
Benzo(a)pyrene-d12	103		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1641931
Report Date: 01/09/17

SAMPLE RESULTS

Lab ID: L1641931-01 D
 Client ID: FAM-4
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 01/05/17 19:42
 Analyst: JT

Date Collected: 12/22/16 00:00
 Date Received: 12/22/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/27/16 10:57

Volume of Air: 255 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.080		ug/m3	0.008	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	94		60-120
Benzo(b)fluoranthene-d12	100		60-120
Fluoranthene-d10	93		60-120
Benzo(a)pyrene-d12	98		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1641931
Report Date: 01/09/17

SAMPLE RESULTS

Lab ID: L1641931-02
Client ID: FAM-1
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 01/05/17 15:47
Analyst: JT

Date Collected: 12/22/16 00:00
Date Received: 12/22/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/27/16 10:57

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.121	E	ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.733	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	0.027		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.038		ug/m3	0.004	--	1
Phenanthrene	0.034		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	92		60-120
Benzo(b)fluoranthene-d12	98		60-120
Fluoranthene-d10	96		60-120
Benzo(a)pyrene-d12	100		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1641931
Report Date: 01/09/17

SAMPLE RESULTS

Lab ID: L1641931-02 D
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 01/05/17 16:26
 Analyst: JT

Date Collected: 12/22/16 00:00
 Date Received: 12/22/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/27/16 10:57

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Acenaphthene	0.121		ug/m3	0.039	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	93		60-120
Benzo(b)fluoranthene-d12	94		60-120
Fluoranthene-d10	95		60-120
Benzo(a)pyrene-d12	97		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1641931
Report Date: 01/09/17

SAMPLE RESULTS

Lab ID: L1641931-02 D
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 01/05/17 17:06
 Analyst: JT

Date Collected: 12/22/16 00:00
 Date Received: 12/22/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/27/16 10:57

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	2.28		ug/m3	0.197	--	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	89		60-120
Benzo(b)fluoranthene-d12	90		60-120
Fluoranthene-d10	86		60-120
Benzo(a)pyrene-d12	93		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1641931
Report Date: 01/09/17

SAMPLE RESULTS

Lab ID: L1641931-03
Client ID: FAM-2
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 01/05/17 17:45
Analyst: JT

Date Collected: 12/22/16 00:00
Date Received: 12/22/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 12/27/16 10:57

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.011		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.101	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	0.006		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.007		ug/m3	0.004	--	1
Phenanthrene	0.010		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	89		60-120
Benzo(b)fluoranthene-d12	100		60-120
Fluoranthene-d10	91		60-120
Benzo(a)pyrene-d12	103		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1641931
Report Date: 01/09/17

SAMPLE RESULTS

Lab ID: L1641931-03 D
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 01/05/17 18:24
 Analyst: JT

Date Collected: 12/22/16 00:00
 Date Received: 12/22/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 12/27/16 10:57

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.104		ug/m3	0.020	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	87		60-120
Benzo(b)fluoranthene-d12	100		60-120
Fluoranthene-d10	91		60-120
Benzo(a)pyrene-d12	103		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1642485
Report Date: 01/10/17

SAMPLE RESULTS

Lab ID: L1642485-01
Client ID: FAM-3
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 01/08/17 17:21
Analyst: SF

Date Collected: 12/29/16 00:00
Date Received: 12/29/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 01/05/17 15:12

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.043		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	ND		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	90		60-120
Benzo(b)fluoranthene-d12	96		60-120
Fluoranthene-d10	93		60-120
Benzo(a)pyrene-d12	97		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1642485
Report Date: 01/10/17

SAMPLE RESULTS

Lab ID: L1642485-02
Client ID: FAM-5
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 01/08/17 17:59
Analyst: SF

Date Collected: 12/29/16 00:00
Date Received: 12/29/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 01/05/17 15:12

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.057		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	0.004		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	89		60-120
Benzo(b)fluoranthene-d12	94		60-120
Fluoranthene-d10	92		60-120
Benzo(a)pyrene-d12	96		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1642485
Report Date: 01/10/17

SAMPLE RESULTS

Lab ID: L1642485-03
Client ID: FAM-2
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 01/08/17 18:37
Analyst: SF

Date Collected: 12/29/16 00:00
Date Received: 12/29/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 01/05/17 15:12

Volume of Air: 259 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.0090		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.151	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	0.007		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.004		ug/m3	0.004	--	1
Phenanthrene	0.008		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	83		60-120
Benzo(b)fluoranthene-d12	91		60-120
Fluoranthene-d10	88		60-120
Benzo(a)pyrene-d12	92		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1642485
Report Date: 01/10/17

SAMPLE RESULTS

Lab ID: L1642485-03 D
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 01/09/17 10:15
 Analyst: SF

Date Collected: 12/29/16 00:00
 Date Received: 12/29/16
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 01/05/17 15:12

Volume of Air: 259 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.170		ug/m3	0.019	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	90		60-120
Benzo(b)fluoranthene-d12	92		60-120
Fluoranthene-d10	92		60-120
Benzo(a)pyrene-d12	94		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1700454
Report Date: 01/13/17

SAMPLE RESULTS

Lab ID: L1700454-01
Client ID: FAM-5
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 01/11/17 11:17
Analyst: JT

Date Collected: 01/05/17 00:00
Date Received: 01/05/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 01/09/17 16:26

Volume of Air: 238 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.0191		ug/m3	0.0042	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	ND		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	82		60-120
Benzo(b)fluoranthene-d12	90		60-120
Fluoranthene-d10	82		60-120
Benzo(a)pyrene-d12	83		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1700454
Report Date: 01/13/17

SAMPLE RESULTS

Lab ID: L1700454-02
Client ID: FAM-6
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 01/11/17 11:54
Analyst: JT

Date Collected: 01/05/17 00:00
Date Received: 01/05/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 01/09/17 16:26

Volume of Air: 259 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.0360		ug/m3	0.0039	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	ND		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	83		60-120
Benzo(b)fluoranthene-d12	89		60-120
Fluoranthene-d10	88		60-120
Benzo(a)pyrene-d12	86		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1700454
Report Date: 01/13/17

SAMPLE RESULTS

Lab ID: L1700454-03
Client ID: FAM-1
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 01/11/17 12:32
Analyst: JT

Date Collected: 01/05/17 00:00
Date Received: 01/05/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 01/09/17 16:26

Volume of Air: 269 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.0380		ug/m3	0.0037	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.178	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.0141		ug/m3	0.0037	--	1
Phenanthrene	0.0148		ug/m3	0.0037	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	82		60-120
Benzo(b)fluoranthene-d12	88		60-120
Fluoranthene-d10	86		60-120
Benzo(a)pyrene-d12	87		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1700454
Report Date: 01/13/17

SAMPLE RESULTS

Lab ID: L1700454-03 D
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 01/11/17 13:49
 Analyst: JT

Date Collected: 01/05/17 00:00
 Date Received: 01/05/17
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 01/09/17 16:26

Volume of Air: 269 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.213		ug/m3	0.019	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	81		60-120
Benzo(b)fluoranthene-d12	86		60-120
Fluoranthene-d10	82		60-120
Benzo(a)pyrene-d12	85		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1701209
Report Date: 01/20/17

SAMPLE RESULTS

Lab ID: L1701209-01
Client ID: FAM-6
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 01/17/17 15:22
Analyst: SF

Date Collected: 01/12/17 00:00
Date Received: 01/12/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 01/16/17 10:30

Volume of Air: 258 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.0190		ug/m3	0.0039	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.185	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.0118		ug/m3	0.0039	--	1
Phenanthrene	0.0169		ug/m3	0.0039	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	74		60-120
Benzo(b)fluoranthene-d12	78		60-120
Fluoranthene-d10	79		60-120
Benzo(a)pyrene-d12	79		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1701209
Report Date: 01/20/17

SAMPLE RESULTS

Lab ID: L1701209-01 D
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 01/17/17 18:01
 Analyst: SF

Date Collected: 01/12/17 00:00
 Date Received: 01/12/17
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 01/16/17 10:30

Volume of Air: 258 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.210		ug/m3	0.039	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	70		60-120
Benzo(b)fluoranthene-d12	75		60-120
Fluoranthene-d10	77		60-120
Benzo(a)pyrene-d12	74		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1701209
Report Date: 01/20/17

SAMPLE RESULTS

Lab ID: L1701209-02
Client ID: FAM-1
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 01/17/17 16:01
Analyst: SF

Date Collected: 01/12/17 00:00
Date Received: 01/12/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 01/16/17 10:30

Volume of Air: 286 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.0279		ug/m3	0.0035	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.195	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	0.00472		ug/m3	0.00350	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.0165		ug/m3	0.0035	--	1
Phenanthrene	0.0267		ug/m3	0.0035	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	74		60-120
Benzo(b)fluoranthene-d12	79		60-120
Fluoranthene-d10	79		60-120
Benzo(a)pyrene-d12	79		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1701209
Report Date: 01/20/17

SAMPLE RESULTS

Lab ID: L1701209-02 D
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 01/17/17 18:41
 Analyst: SF

Date Collected: 01/12/17 00:00
 Date Received: 01/12/17
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 01/16/17 10:30

Volume of Air: 286 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.250		ug/m3	0.035	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	71		60-120
Benzo(b)fluoranthene-d12	74		60-120
Fluoranthene-d10	76		60-120
Benzo(a)pyrene-d12	74		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1701209
Report Date: 01/20/17

SAMPLE RESULTS

Lab ID: L1701209-03
Client ID: FAM-2
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 01/17/17 16:40
Analyst: SF

Date Collected: 01/12/17 00:00
Date Received: 01/12/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 01/16/17 10:30

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.0106		ug/m3	0.0040	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.106	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.00766		ug/m3	0.00395	--	1
Phenanthrene	0.0142		ug/m3	0.0040	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	74		60-120
Benzo(b)fluoranthene-d12	78		60-120
Fluoranthene-d10	79		60-120
Benzo(a)pyrene-d12	79		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1701209
Report Date: 01/20/17

SAMPLE RESULTS

Lab ID: L1701209-03 D
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 01/17/17 19:21
 Analyst: SF

Date Collected: 01/12/17 00:00
 Date Received: 01/12/17
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 01/16/17 10:30

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.104		ug/m3	0.020	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	68		60-120
Benzo(b)fluoranthene-d12	72		60-120
Fluoranthene-d10	71		60-120
Benzo(a)pyrene-d12	73		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1701928
Report Date: 01/31/17

SAMPLE RESULTS

Lab ID: L1701928-01
Client ID: FAM-3
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 01/30/17 12:14
Analyst: ML

Date Collected: 01/19/17 00:00
Date Received: 01/19/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 01/23/17 15:49

Volume of Air: 257 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.00389	--	1
Fluoranthene	ND		ug/m3	0.00389	--	1
Naphthalene	0.0286		ug/m3	0.0039	--	1
Benz(a)anthracene	ND		ug/m3	0.003890	--	1
Benzo(a)pyrene	ND		ug/m3	0.003890	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.003890	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.003890	--	1
Acenaphthylene	ND		ug/m3	0.003890	--	1
Anthracene	ND		ug/m3	0.003890	--	1
Benzo(ghi)perylene	ND		ug/m3	0.003890	--	1
Fluorene	ND		ug/m3	0.00389	--	1
Phenanthrene	0.00501		ug/m3	0.00389	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.003890	--	1
Pyrene	ND		ug/m3	0.003890	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.003890	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	97		60-120
Benzo(b)fluoranthene-d12	109		60-120
Fluoranthene-d10	105		60-120
Benzo(a)pyrene-d12	110		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1701928
Report Date: 01/31/17

SAMPLE RESULTS

Lab ID: L1701928-02
Client ID: FAM-6
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 01/30/17 12:53
Analyst: ML

Date Collected: 01/19/17 00:00
Date Received: 01/19/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 01/23/17 15:49

Volume of Air: 252 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.00673		ug/m3	0.00397	--	1
Fluoranthene	ND		ug/m3	0.00397	--	1
Naphthalene	0.0686		ug/m3	0.0040	--	1
Benz(a)anthracene	ND		ug/m3	0.003970	--	1
Benzo(a)pyrene	ND		ug/m3	0.003970	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.003970	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.003970	--	1
Acenaphthylene	ND		ug/m3	0.00397	--	1
Anthracene	ND		ug/m3	0.003970	--	1
Benzo(ghi)perylene	ND		ug/m3	0.003970	--	1
Fluorene	0.00655		ug/m3	0.00397	--	1
Phenanthrene	0.0112		ug/m3	0.0040	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.003970	--	1
Pyrene	ND		ug/m3	0.00397	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.003970	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	96		60-120
Benzo(b)fluoranthene-d12	108		60-120
Fluoranthene-d10	99		60-120
Benzo(a)pyrene-d12	104		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1701928
Report Date: 01/31/17

SAMPLE RESULTS

Lab ID: L1701928-03
Client ID: FAM-1
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 01/30/17 13:32
Analyst: ML

Date Collected: 01/19/17 00:00
Date Received: 01/19/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 01/23/17 15:49

Volume of Air: 255 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.00810		ug/m3	0.00392	--	1
Fluoranthene	ND		ug/m3	0.00392	--	1
Naphthalene	0.0546		ug/m3	0.0039	--	1
Benz(a)anthracene	ND		ug/m3	0.003920	--	1
Benzo(a)pyrene	ND		ug/m3	0.003920	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.003920	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.003920	--	1
Acenaphthylene	ND		ug/m3	0.00392	--	1
Anthracene	ND		ug/m3	0.00392	--	1
Benzo(ghi)perylene	ND		ug/m3	0.003920	--	1
Fluorene	0.00671		ug/m3	0.00392	--	1
Phenanthrene	0.0126		ug/m3	0.0039	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.003920	--	1
Pyrene	ND		ug/m3	0.00392	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.003920	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	97		60-120
Benzo(b)fluoranthene-d12	107		60-120
Fluoranthene-d10	100		60-120
Benzo(a)pyrene-d12	108		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1702711
Report Date: 02/06/17

SAMPLE RESULTS

Lab ID: L1702711-01
Client ID: FAM-5
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 02/02/17 22:39
Analyst: JT

Date Collected: 01/26/17 00:00
Date Received: 01/26/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 01/30/17 17:58

Volume of Air: 255 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.064		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.00401		ug/m3	0.00392	--	1
Phenanthrene	0.00624		ug/m3	0.00392	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	97		60-120
Benzo(b)fluoranthene-d12	111		60-120
Fluoranthene-d10	108		60-120
Benzo(a)pyrene-d12	108		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1702711
Report Date: 02/06/17

SAMPLE RESULTS

Lab ID: L1702711-02
Client ID: FAM-1
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 02/02/17 23:09
Analyst: JT

Date Collected: 01/26/17 00:00
Date Received: 01/26/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 01/30/17 17:58

Volume of Air: 255 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.00752		ug/m3	0.00392	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.080	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.00650		ug/m3	0.00392	--	1
Phenanthrene	0.01020		ug/m3	0.00392	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	98		60-120
Benzo(b)fluoranthene-d12	109		60-120
Fluoranthene-d10	98		60-120
Benzo(a)pyrene-d12	104		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1702711
Report Date: 02/06/17

SAMPLE RESULTS

Lab ID: L1702711-02 D
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 02/03/17 11:50
 Analyst: JT

Date Collected: 01/26/17 00:00
 Date Received: 01/26/17
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 01/30/17 17:58

Volume of Air: 255 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.0970		ug/m3	0.0078	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	102		60-120
Benzo(b)fluoranthene-d12	107		60-120
Fluoranthene-d10	101		60-120
Benzo(a)pyrene-d12	115		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1702711
Report Date: 02/06/17

SAMPLE RESULTS

Lab ID: L1702711-03
Client ID: FAM-2
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 02/02/17 23:40
Analyst: JT

Date Collected: 01/26/17 00:00
Date Received: 01/26/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 01/30/17 17:58

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.00658		ug/m3	0.00394	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.072		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.00532		ug/m3	0.00394	--	1
Phenanthrene	0.00771		ug/m3	0.00394	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	98		60-120
Benzo(b)fluoranthene-d12	109		60-120
Fluoranthene-d10	100		60-120
Benzo(a)pyrene-d12	109		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1703451
Report Date: 02/17/17

SAMPLE RESULTS

Lab ID: L1703451-01
Client ID: FAM-3
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 02/16/17 23:13
Analyst: GP

Date Collected: 02/02/17 00:00
Date Received: 02/02/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 02/03/17 15:10

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.0508		ug/m3	0.0040	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	ND		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	112		60-120
Benzo(b)fluoranthene-d12	114		60-120
Fluoranthene-d10	89		60-120
Benzo(a)pyrene-d12	89		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1703451
Report Date: 02/17/17

SAMPLE RESULTS

Lab ID: L1703451-02
Client ID: FAM-1
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 02/16/17 23:51
Analyst: GP

Date Collected: 02/02/17 00:00
Date Received: 02/02/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 02/03/17 15:10

Volume of Air: 256 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.0691		ug/m3	0.0039	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	0.00585		ug/m3	0.00391	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	88		60-120
Benzo(b)fluoranthene-d12	89		60-120
Fluoranthene-d10	89		60-120
Benzo(a)pyrene-d12	87		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1703451
Report Date: 02/17/17

SAMPLE RESULTS

Lab ID: L1703451-03
Client ID: FAM-2
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 02/17/17 00:28
Analyst: GP

Date Collected: 02/02/17 00:00
Date Received: 02/02/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 02/03/17 15:10

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.0620		ug/m3	0.0039	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	0.00455		ug/m3	0.00394	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	90		60-120
Benzo(b)fluoranthene-d12	94		60-120
Fluoranthene-d10	90		60-120
Benzo(a)pyrene-d12	87		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1704284
Report Date: 02/22/17

SAMPLE RESULTS

Lab ID: L1704284-01
Client ID: FAM-5
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 02/17/17 01:43
Analyst: GP

Date Collected: 02/09/17 00:00
Date Received: 02/10/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 02/13/17 17:25

Volume of Air: 246 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.0228		ug/m3	0.0041	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	ND		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	92		60-120
Benzo(b)fluoranthene-d12	94		60-120
Fluoranthene-d10	89		60-120
Benzo(a)pyrene-d12	87		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1704284
Report Date: 02/22/17

SAMPLE RESULTS

Lab ID: L1704284-02
Client ID: FAM-6
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 02/17/17 02:20
Analyst: GP

Date Collected: 02/09/17 00:00
Date Received: 02/10/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 02/13/17 17:25

Volume of Air: 249 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.0246		ug/m3	0.0040	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	0.00572		ug/m3	0.00402	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	89		60-120
Benzo(b)fluoranthene-d12	93		60-120
Fluoranthene-d10	88		60-120
Benzo(a)pyrene-d12	86		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1704284
Report Date: 02/22/17

SAMPLE RESULTS

Lab ID: L1704284-03
Client ID: FAM-2
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 02/17/17 02:57
Analyst: GP

Date Collected: 02/09/17 00:00
Date Received: 02/10/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 02/13/17 17:25

Volume of Air: 244 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.00431		ug/m3	0.00410	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.0375		ug/m3	0.0041	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	0.00602		ug/m3	0.00410	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	91		60-120
Benzo(b)fluoranthene-d12	94		60-120
Fluoranthene-d10	84		60-120
Benzo(a)pyrene-d12	85		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1704961
Report Date: 03/03/17

SAMPLE RESULTS

Lab ID: L1704961-01
Client ID: FAM-3
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 03/01/17 21:39
Analyst: MJS

Date Collected: 02/16/17 00:00
Date Received: 02/16/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 02/20/17 15:54

Volume of Air: 260 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.018		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	ND		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	92		60-120
Benzo(b)fluoranthene-d12	102		60-120
Fluoranthene-d10	96		60-120
Benzo(a)pyrene-d12	99		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1704961
Report Date: 03/03/17

SAMPLE RESULTS

Lab ID: L1704961-02
Client ID: FAM-6
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 03/01/17 22:09
Analyst: MJS

Date Collected: 02/16/17 00:00
Date Received: 02/16/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 02/20/17 15:54

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.024		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	ND		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	90		60-120
Benzo(b)fluoranthene-d12	101		60-120
Fluoranthene-d10	97		60-120
Benzo(a)pyrene-d12	98		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1704961
Report Date: 03/03/17

SAMPLE RESULTS

Lab ID: L1704961-04
Client ID: FAM-1
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 03/01/17 23:10
Analyst: MJS

Date Collected: 02/17/17 00:00
Date Received: 02/17/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 02/20/17 15:54

Volume of Air: 246 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.028		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	ND		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	91		60-120
Benzo(b)fluoranthene-d12	102		60-120
Fluoranthene-d10	96		60-120
Benzo(a)pyrene-d12	104		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1705706
Report Date: 03/09/17

SAMPLE RESULTS

Lab ID: L1705706-01
Client ID: FAM-5
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 03/01/17 23:40
Analyst: MJS

Date Collected: 02/23/17 00:00
Date Received: 02/23/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 02/24/17 14:00

Volume of Air: 252 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.005		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.098	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.005		ug/m3	0.004	--	1
Phenanthrene	0.009		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	97		60-120
Benzo(b)fluoranthene-d12	106		60-120
Fluoranthene-d10	105		60-120
Benzo(a)pyrene-d12	109		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1705706
Report Date: 03/09/17

SAMPLE RESULTS

Lab ID: L1705706-01 D
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 03/02/17 00:10
 Analyst: MJS

Date Collected: 02/23/17 00:00
 Date Received: 02/23/17
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 02/24/17 14:00

Volume of Air: 252 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.102		ug/m3	0.008	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	100		60-120
Benzo(b)fluoranthene-d12	112		60-120
Fluoranthene-d10	109		60-120
Benzo(a)pyrene-d12	117		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1705706
Report Date: 03/09/17

SAMPLE RESULTS

Lab ID: L1705706-02
Client ID: FAM-1
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 03/02/17 00:41
Analyst: MJS

Date Collected: 02/23/17 00:00
Date Received: 02/23/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 02/24/17 14:00

Volume of Air: 256 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.008		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.120	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.008		ug/m3	0.004	--	1
Phenanthrene	0.013		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	96		60-120
Benzo(b)fluoranthene-d12	104		60-120
Fluoranthene-d10	104		60-120
Benzo(a)pyrene-d12	106		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1705706
Report Date: 03/09/17

SAMPLE RESULTS

Lab ID: L1705706-02 D
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 03/02/17 01:11
 Analyst: MJS

Date Collected: 02/23/17 00:00
 Date Received: 02/23/17
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 02/24/17 14:00

Volume of Air: 256 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.120		ug/m3	0.008	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	96		60-120
Benzo(b)fluoranthene-d12	103		60-120
Fluoranthene-d10	104		60-120
Benzo(a)pyrene-d12	103		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1705706
Report Date: 03/09/17

SAMPLE RESULTS

Lab ID: L1705706-03
Client ID: FAM-2
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 03/02/17 01:41
Analyst: MJS

Date Collected: 02/23/17 00:00
Date Received: 02/23/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 02/24/17 14:00

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.010		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.125	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.008		ug/m3	0.004	--	1
Phenanthrene	0.011		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	97		60-120
Benzo(b)fluoranthene-d12	108		60-120
Fluoranthene-d10	99		60-120
Benzo(a)pyrene-d12	113		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1705706
Report Date: 03/09/17

SAMPLE RESULTS

Lab ID: L1705706-03 D
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 03/02/17 02:12
 Analyst: MJS

Date Collected: 02/23/17 00:00
 Date Received: 02/23/17
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 02/24/17 14:00

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.126		ug/m3	0.008	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	98		60-120
Benzo(b)fluoranthene-d12	107		60-120
Fluoranthene-d10	100		60-120
Benzo(a)pyrene-d12	111		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1706538
Report Date: 03/16/17

SAMPLE RESULTS

Lab ID: L1706538-01
Client ID: FAM-3
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 03/09/17 11:10
Analyst: MJS

Date Collected: 03/02/17 00:00
Date Received: 03/02/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 03/06/17 15:43

Volume of Air: 259 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.015		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	0.004		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	85		60-120
Benzo(b)fluoranthene-d12	101		60-120
Fluoranthene-d10	92		60-120
Benzo(a)pyrene-d12	100		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1706538
Report Date: 03/16/17

SAMPLE RESULTS

Lab ID: L1706538-02
Client ID: FAM-1
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 03/09/17 11:40
Analyst: MJS

Date Collected: 03/02/17 00:00
Date Received: 03/02/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 03/06/17 15:43

Volume of Air: 252 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.042		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	0.006		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	84		60-120
Benzo(b)fluoranthene-d12	92		60-120
Fluoranthene-d10	90		60-120
Benzo(a)pyrene-d12	93		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1706538
Report Date: 03/16/17

SAMPLE RESULTS

Lab ID: L1706538-03
Client ID: FAM-2
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 03/09/17 12:10
Analyst: MJS

Date Collected: 03/02/17 00:00
Date Received: 03/02/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 03/06/17 15:43

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.024		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	0.007		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	85		60-120
Benzo(b)fluoranthene-d12	94		60-120
Fluoranthene-d10	86		60-120
Benzo(a)pyrene-d12	87		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1707472
Report Date: 03/23/17

SAMPLE RESULTS

Lab ID: L1707472-01
Client ID: FAM-5
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 03/15/17 15:24
Analyst: GP

Date Collected: 03/09/17 00:00
Date Received: 03/09/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 03/13/17 09:45

Volume of Air: 258 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.014		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	ND		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	103		60-120
Benzo(b)fluoranthene-d12	124	Q	60-120
Fluoranthene-d10	113		60-120
Benzo(a)pyrene-d12	109		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1707472
Report Date: 03/23/17

SAMPLE RESULTS

Lab ID: L1707472-02
Client ID: FAM-1
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 03/15/17 15:55
Analyst: GP

Date Collected: 03/09/17 00:00
Date Received: 03/09/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 03/13/17 09:45

Volume of Air: 258 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.029		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	ND		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	103		60-120
Benzo(b)fluoranthene-d12	108		60-120
Fluoranthene-d10	106		60-120
Benzo(a)pyrene-d12	99		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1707472
Report Date: 03/23/17

SAMPLE RESULTS

Lab ID: L1707472-03
Client ID: FAM-2
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 03/15/17 16:25
Analyst: GP

Date Collected: 03/09/17 00:00
Date Received: 03/09/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 03/13/17 09:45

Volume of Air: 256 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.016		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	ND		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	93		60-120
Benzo(b)fluoranthene-d12	108		60-120
Fluoranthene-d10	108		60-120
Benzo(a)pyrene-d12	97		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1708017
Report Date: 03/30/17

SAMPLE RESULTS

Lab ID: L1708017-01
Client ID: FAM-3
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 03/21/17 14:16
Analyst: MJS

Date Collected: 03/16/17 00:00
Date Received: 03/16/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 03/17/17 13:02

Volume of Air: 262 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.008		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	ND		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	105		60-120
Benzo(b)fluoranthene-d12	113		60-120
Fluoranthene-d10	109		60-120
Benzo(a)pyrene-d12	108		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1708017
Report Date: 03/30/17

SAMPLE RESULTS

Lab ID: L1708017-02
Client ID: FAM-6/5
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 03/21/17 14:47
Analyst: MJS

Date Collected: 03/16/17 11:29
Date Received: 03/16/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 03/17/17 13:02

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.008		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	ND		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	98		60-120
Benzo(b)fluoranthene-d12	116		60-120
Fluoranthene-d10	101		60-120
Benzo(a)pyrene-d12	108		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1708017
Report Date: 03/30/17

SAMPLE RESULTS

Lab ID: L1708017-03
Client ID: FAM-1
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 03/21/17 15:17
Analyst: MJS

Date Collected: 03/16/17 00:00
Date Received: 03/16/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 03/17/17 13:02

Volume of Air: 257 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.009		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	ND		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	96		60-120
Benzo(b)fluoranthene-d12	108		60-120
Fluoranthene-d10	99		60-120
Benzo(a)pyrene-d12	103		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1708821
Report Date: 04/06/17

SAMPLE RESULTS

Lab ID: L1708821-01
Client ID: FAM-3
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 03/29/17 12:14
Analyst: MJS

Date Collected: 03/23/17 00:00
Date Received: 03/23/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 03/27/17 18:12

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.009		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	ND		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	86		60-120
Benzo(b)fluoranthene-d12	85		60-120
Fluoranthene-d10	101		60-120
Benzo(a)pyrene-d12	99		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1708821
Report Date: 04/06/17

SAMPLE RESULTS

Lab ID: L1708821-02
Client ID: FAM-5
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 03/29/17 12:44
Analyst: MJS

Date Collected: 03/23/17 00:00
Date Received: 03/23/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 03/27/17 18:12

Volume of Air: 260 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.010		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	ND		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	79		60-120
Benzo(b)fluoranthene-d12	82		60-120
Fluoranthene-d10	104		60-120
Benzo(a)pyrene-d12	96		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1708821
Report Date: 04/06/17

SAMPLE RESULTS

Lab ID: L1708821-03
Client ID: FAM-1
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 03/29/17 13:14
Analyst: MJS

Date Collected: 03/23/17 00:00
Date Received: 03/23/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 03/27/17 18:12

Volume of Air: 256 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.012		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	ND		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	85		60-120
Benzo(b)fluoranthene-d12	81		60-120
Fluoranthene-d10	106		60-120
Benzo(a)pyrene-d12	93		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1709768
Report Date: 04/13/17

SAMPLE RESULTS

Lab ID: L1709768-01
Client ID: FAM-3
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 04/04/17 12:03
Analyst: MJS

Date Collected: 03/30/17 00:00
Date Received: 03/30/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 03/31/17 12:30

Volume of Air: 260 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.019		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	ND		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	81		60-120
Benzo(b)fluoranthene-d12	79		60-120
Fluoranthene-d10	99		60-120
Benzo(a)pyrene-d12	88		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1709768
Report Date: 04/13/17

SAMPLE RESULTS

Lab ID: L1709768-02
Client ID: FAM-5
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 04/04/17 12:33
Analyst: MJS

Date Collected: 03/30/17 00:00
Date Received: 03/30/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 03/31/17 12:30

Volume of Air: 255 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.016		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	ND		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	82		60-120
Benzo(b)fluoranthene-d12	77		60-120
Fluoranthene-d10	100		60-120
Benzo(a)pyrene-d12	87		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1709768
Report Date: 04/13/17

SAMPLE RESULTS

Lab ID: L1709768-03
Client ID: FAM-1
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 04/04/17 13:04
Analyst: MJS

Date Collected: 03/30/17 00:00
Date Received: 03/30/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 03/31/17 12:30

Volume of Air: 256 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.028		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	0.005		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	82		60-120
Benzo(b)fluoranthene-d12	80		60-120
Fluoranthene-d10	111		60-120
Benzo(a)pyrene-d12	92		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1710746
Report Date: 04/20/17

SAMPLE RESULTS

Lab ID: L1710746-01
Client ID: FAM-3
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 04/12/17 15:48
Analyst: MJS

Date Collected: 04/06/17 00:00
Date Received: 04/06/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 04/10/17 11:00

Volume of Air: 260 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.023		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	0.005		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	83		60-120
Benzo(b)fluoranthene-d12	81		60-120
Fluoranthene-d10	109		60-120
Benzo(a)pyrene-d12	97		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1710746
Report Date: 04/20/17

SAMPLE RESULTS

Lab ID: L1710746-02
Client ID: FAM-1
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 04/12/17 16:18
Analyst: MJS

Date Collected: 04/06/17 00:00
Date Received: 04/06/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 04/10/17 11:00

Volume of Air: 256 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.032		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.136	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.021		ug/m3	0.004	--	1
Phenanthrene	0.020		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	86		60-120
Benzo(b)fluoranthene-d12	82		60-120
Fluoranthene-d10	101		60-120
Benzo(a)pyrene-d12	87		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1710746
Report Date: 04/20/17

SAMPLE RESULTS

Lab ID: L1710746-02 D
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 04/19/17 12:57
 Analyst: MJS

Date Collected: 04/06/17 00:00
 Date Received: 04/06/17
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 04/10/17 11:00

Volume of Air: 256 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.131		ug/m3	0.008	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	78		60-120
Benzo(b)fluoranthene-d12	75		60-120
Fluoranthene-d10	94		60-120
Benzo(a)pyrene-d12	79		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1710746
Report Date: 04/20/17

SAMPLE RESULTS

Lab ID: L1710746-03
Client ID: FAM-2
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 04/12/17 16:48
Analyst: MJS

Date Collected: 04/06/17 00:00
Date Received: 04/06/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 04/10/17 11:00

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.012		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.051		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.008		ug/m3	0.004	--	1
Phenanthrene	0.012		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	83		60-120
Benzo(b)fluoranthene-d12	77		60-120
Fluoranthene-d10	100		60-120
Benzo(a)pyrene-d12	91		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1711869
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711869-01
Client ID: FAM-3
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 04/19/17 14:27
Analyst: MJS

Date Collected: 04/14/17 00:00
Date Received: 04/14/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 04/17/17 15:40

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.016		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	ND		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	76		60-120
Benzo(b)fluoranthene-d12	76		60-120
Fluoranthene-d10	95		60-120
Benzo(a)pyrene-d12	87		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1711869
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711869-02
Client ID: FAM-6
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 04/19/17 14:57
Analyst: MJS

Date Collected: 04/14/17 00:00
Date Received: 04/14/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 04/17/17 15:40

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.004		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.026		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	0.007		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	79		60-120
Benzo(b)fluoranthene-d12	76		60-120
Fluoranthene-d10	96		60-120
Benzo(a)pyrene-d12	89		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1711869
Report Date: 04/24/17

SAMPLE RESULTS

Lab ID: L1711869-03
Client ID: FAM-1
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 04/19/17 15:27
Analyst: MJS

Date Collected: 04/14/17 00:00
Date Received: 04/14/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 04/17/17 15:40

Volume of Air: 256 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.006		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.043		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.005		ug/m3	0.004	--	1
Phenanthrene	0.007		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	80		60-120
Benzo(b)fluoranthene-d12	77		60-120
Fluoranthene-d10	95		60-120
Benzo(a)pyrene-d12	85		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1712580
Report Date: 05/04/17

SAMPLE RESULTS

Lab ID: L1712580-01
Client ID: FAM-3
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 05/01/17 12:23
Analyst: GP

Date Collected: 04/20/17 00:00
Date Received: 04/20/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 04/26/17 16:26

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.033		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	0.007		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	76		60-120
Benzo(b)fluoranthene-d12	72		60-120
Fluoranthene-d10	92		60-120
Benzo(a)pyrene-d12	92		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1712580
Report Date: 05/04/17

SAMPLE RESULTS

Lab ID: L1712580-02
Client ID: FAM-1
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 05/01/17 12:54
Analyst: GP

Date Collected: 04/20/17 00:00
Date Received: 04/20/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 04/26/17 16:26

Volume of Air: 256 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.009		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.060		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.009		ug/m3	0.004	--	1
Phenanthrene	0.016		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	73		60-120
Benzo(b)fluoranthene-d12	68		60-120
Fluoranthene-d10	85		60-120
Benzo(a)pyrene-d12	82		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1712580
Report Date: 05/04/17

SAMPLE RESULTS

Lab ID: L1712580-03
Client ID: FAM-2
Sample Location: SUFFERN, NY
Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 05/01/17 13:24
Analyst: GP

Date Collected: 04/20/17 00:00
Date Received: 04/20/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 04/26/17 16:26

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.006		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.043		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.006		ug/m3	0.004	--	1
Phenanthrene	0.012		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	76		60-120
Benzo(b)fluoranthene-d12	71		60-120
Fluoranthene-d10	87		60-120
Benzo(a)pyrene-d12	87		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1713523
Report Date: 05/11/17

SAMPLE RESULTS

Lab ID: L1713523-01
Client ID: FAM-5
Sample Location: SUFFERN, NY

Date Collected: 04/27/17 00:00
Date Received: 04/27/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 05/01/17 16:07

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 05/03/17 11:34
Analyst: GP

Volume of Air: 264 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.024		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	0.007		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	70		60-120
Benzo(b)fluoranthene-d12	67		60-120
Fluoranthene-d10	83		60-120
Benzo(a)pyrene-d12	88		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1713523
Report Date: 05/11/17

SAMPLE RESULTS

Lab ID: L1713523-02
Client ID: FAM-6
Sample Location: SUFFERN, NY

Date Collected: 04/27/17 00:00
Date Received: 04/27/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 05/01/17 16:07

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 05/03/17 12:05
Analyst: GP

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.005		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.033		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.004		ug/m3	0.004	--	1
Phenanthrene	0.011		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	73		60-120
Benzo(b)fluoranthene-d12	68		60-120
Fluoranthene-d10	87		60-120
Benzo(a)pyrene-d12	83		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1713523
Report Date: 05/11/17

SAMPLE RESULTS

Lab ID: L1713523-03
Client ID: FAM-2
Sample Location: SUFFERN, NY

Date Collected: 04/27/17 00:00
Date Received: 04/27/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 05/01/17 16:07

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 05/03/17 12:35
Analyst: GP

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.011		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.052		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.007		ug/m3	0.004	--	1
Phenanthrene	0.014		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	73		60-120
Benzo(b)fluoranthene-d12	68		60-120
Fluoranthene-d10	85		60-120
Benzo(a)pyrene-d12	83		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1714460
Report Date: 05/19/17

SAMPLE RESULTS

Lab ID: L1714460-01
Client ID: FAM-3
Sample Location: SUFFERN, NY

Date Collected: 05/04/17 00:00
Date Received: 05/04/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 05/11/17 18:24

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 05/18/17 17:23
Analyst: GP

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	ND		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.027		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	ND		ug/m3	0.004	--	1
Phenanthrene	ND		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	81		60-120
Benzo(b)fluoranthene-d12	75		60-120
Fluoranthene-d10	106		60-120
Benzo(a)pyrene-d12	90		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1714460
Report Date: 05/19/17

SAMPLE RESULTS

Lab ID: L1714460-02
Client ID: FAM-6
Sample Location: SUFFERN, NY

Date Collected: 05/04/17 00:00
Date Received: 05/04/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 05/11/17 18:24

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 05/18/17 18:04
Analyst: GP

Volume of Air: 252 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.013		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.106	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.007		ug/m3	0.004	--	1
Phenanthrene	0.011		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	81		60-120
Benzo(b)fluoranthene-d12	75		60-120
Fluoranthene-d10	106		60-120
Benzo(a)pyrene-d12	90		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1714460
Report Date: 05/19/17

SAMPLE RESULTS

Lab ID: L1714460-02 D
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 05/04/17 00:00
 Date Received: 05/04/17
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 05/11/17 18:24

Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 05/19/17 13:29
 Analyst: GP

Volume of Air: 252 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.114		ug/m3	0.008	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	80		60-120
Benzo(b)fluoranthene-d12	72		60-120
Fluoranthene-d10	103		60-120
Benzo(a)pyrene-d12	85		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1714460
Report Date: 05/19/17

SAMPLE RESULTS

Lab ID: L1714460-03
Client ID: FAM-1
Sample Location: SUFFERN, NY

Date Collected: 05/04/17 00:00
Date Received: 05/04/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 05/11/17 18:24

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 05/18/17 18:42
Analyst: GP

Volume of Air: 256 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.021		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.151	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.012		ug/m3	0.004	--	1
Phenanthrene	0.015		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	86		60-120
Benzo(b)fluoranthene-d12	78		60-120
Fluoranthene-d10	109		60-120
Benzo(a)pyrene-d12	91		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1714460
Report Date: 05/19/17

SAMPLE RESULTS

Lab ID: L1714460-03 D
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 05/04/17 00:00
 Date Received: 05/04/17
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 05/11/17 18:24

Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 05/19/17 15:19
 Analyst: GP

Volume of Air: 256 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.181		ug/m3	0.020	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	93		60-120
Benzo(b)fluoranthene-d12	80		60-120
Fluoranthene-d10	114		60-120
Benzo(a)pyrene-d12	91		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1715450
Report Date: 05/25/17

SAMPLE RESULTS

Lab ID: L1715450-01
Client ID: FAM-6
Sample Location: SUFFERN, NY

Date Collected: 05/11/17 00:00
Date Received: 05/11/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 05/18/17 15:23

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 05/22/17 12:45
Analyst: GP

Volume of Air: 257 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.043		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.279	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	0.005		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.024		ug/m3	0.004	--	1
Phenanthrene	0.039		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	86		60-120
Benzo(b)fluoranthene-d12	74		60-120
Fluoranthene-d10	115		60-120
Benzo(a)pyrene-d12	91		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1715450
Report Date: 05/25/17

SAMPLE RESULTS

Lab ID: L1715450-01 D
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 05/11/17 00:00
 Date Received: 05/11/17
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 05/18/17 15:23

Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 05/22/17 17:52
 Analyst: GP

Volume of Air: 257 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.334		ug/m3	0.019	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	90		60-120
Benzo(b)fluoranthene-d12	72		60-120
Fluoranthene-d10	115		60-120
Benzo(a)pyrene-d12	89		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1715450
Report Date: 05/25/17

SAMPLE RESULTS

Lab ID: L1715450-02
Client ID: FAM-1
Sample Location: SUFFERN, NY

Date Collected: 05/11/17 00:00
Date Received: 05/11/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 05/18/17 15:23

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 05/22/17 13:19
Analyst: GP

Volume of Air: 256 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.048		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.233	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.020		ug/m3	0.004	--	1
Phenanthrene	0.037		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	88		60-120
Benzo(b)fluoranthene-d12	74		60-120
Fluoranthene-d10	109		60-120
Benzo(a)pyrene-d12	93		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1715450
Report Date: 05/25/17

SAMPLE RESULTS

Lab ID: L1715450-02 D
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 05/11/17 00:00
 Date Received: 05/11/17
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 05/18/17 15:23

Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 05/22/17 18:22
 Analyst: GP

Volume of Air: 256 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.299		ug/m3	0.020	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	88		60-120
Benzo(b)fluoranthene-d12	72		60-120
Fluoranthene-d10	112		60-120
Benzo(a)pyrene-d12	90		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1715450
Report Date: 05/25/17

SAMPLE RESULTS

Lab ID: L1715450-03
Client ID: FAM-2
Sample Location: SUFFERN, NY

Date Collected: 05/11/17 00:00
Date Received: 05/11/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 05/18/17 15:23

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 05/22/17 13:52
Analyst: GP

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.017		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.086	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.008		ug/m3	0.004	--	1
Phenanthrene	0.013		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	86		60-120
Benzo(b)fluoranthene-d12	72		60-120
Fluoranthene-d10	102		60-120
Benzo(a)pyrene-d12	89		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1715450
Report Date: 05/25/17

SAMPLE RESULTS

Lab ID: L1715450-03 D
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 05/11/17 00:00
 Date Received: 05/11/17
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 05/18/17 15:23

Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 05/22/17 18:52
 Analyst: GP

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.092		ug/m3	0.020	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	85		60-120
Benzo(b)fluoranthene-d12	68		60-120
Fluoranthene-d10	104		60-120
Benzo(a)pyrene-d12	82		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1716312
Report Date: 06/02/17

SAMPLE RESULTS

Lab ID: L1716312-01
Client ID: FAM-5
Sample Location: SUFFERN, NY

Date Collected: 05/18/17 00:00
Date Received: 05/18/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 05/22/17 17:15

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 05/31/17 20:33
Analyst: GP

Volume of Air: 264 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.019		ug/m3	0.004	--	1
Fluoranthene	0.004		ug/m3	0.004	--	1
Naphthalene	0.069		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.014		ug/m3	0.004	--	1
Phenanthrene	0.022		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	80		60-120
Benzo(b)fluoranthene-d12	82		60-120
Fluoranthene-d10	106		60-120
Benzo(a)pyrene-d12	86		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1716312
Report Date: 06/02/17

SAMPLE RESULTS

Lab ID: L1716312-02
Client ID: FAM-1
Sample Location: SUFFERN, NY

Date Collected: 05/18/17 00:00
Date Received: 05/18/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 05/22/17 17:15

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 05/31/17 21:07
Analyst: GP

Volume of Air: 257 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.084	E	ug/m3	0.004	--	1
Fluoranthene	0.012		ug/m3	0.004	--	1
Naphthalene	0.276	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	0.011		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.051		ug/m3	0.004	--	1
Phenanthrene	0.108	E	ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	0.008		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	74		60-120
Benzo(b)fluoranthene-d12	81		60-120
Fluoranthene-d10	103		60-120
Benzo(a)pyrene-d12	77		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1716312
Report Date: 06/02/17

SAMPLE RESULTS

Lab ID: L1716312-02 D
Client ID: FAM-1
Sample Location: SUFFERN, NY

Date Collected: 05/18/17 00:00
Date Received: 05/18/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 05/22/17 17:15

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 05/31/17 23:23
Analyst: GP

Volume of Air: 257 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.082		ug/m3	0.019	--	5
Naphthalene	0.332		ug/m3	0.019	--	5
Phenanthrene	0.112		ug/m3	0.019	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	77		60-120
Benzo(b)fluoranthene-d12	75		60-120
Fluoranthene-d10	104		60-120
Benzo(a)pyrene-d12	72		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1716312
Report Date: 06/02/17

SAMPLE RESULTS

Lab ID: L1716312-03
Client ID: FAM-2
Sample Location: SUFFERN, NY

Date Collected: 05/18/17 00:00
Date Received: 05/18/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 05/22/17 17:15

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 05/31/17 21:41
Analyst: GP

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.033		ug/m3	0.004	--	1
Fluoranthene	0.005		ug/m3	0.004	--	1
Naphthalene	0.131	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.017		ug/m3	0.004	--	1
Phenanthrene	0.032		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	76		60-120
Benzo(b)fluoranthene-d12	80		60-120
Fluoranthene-d10	100		60-120
Benzo(a)pyrene-d12	82		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1716312
Report Date: 06/02/17

SAMPLE RESULTS

Lab ID: L1716312-03 D
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 05/18/17 00:00
 Date Received: 05/18/17
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 05/22/17 17:15

Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 05/31/17 23:59
 Analyst: GP

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.147		ug/m3	0.020	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	77		60-120
Benzo(b)fluoranthene-d12	72		60-120
Fluoranthene-d10	100		60-120
Benzo(a)pyrene-d12	76		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1717340
Report Date: 06/09/17

SAMPLE RESULTS

Lab ID: L1717340-01
Client ID: FAM-5
Sample Location: SUFFERN, NY

Date Collected: 05/25/17 00:00
Date Received: 05/25/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 06/01/17 15:27

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 06/06/17 20:13
Analyst: GP

Volume of Air: 269 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.007		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.037		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.006		ug/m3	0.004	--	1
Phenanthrene	0.012		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	72		60-120
Benzo(b)fluoranthene-d12	68		60-120
Fluoranthene-d10	103		60-120
Benzo(a)pyrene-d12	80		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1717340
Report Date: 06/09/17

SAMPLE RESULTS

Lab ID: L1717340-02
Client ID: FAM-6
Sample Location: SUFFERN, NY

Date Collected: 05/25/17 00:00
Date Received: 05/25/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 06/01/17 15:27

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 06/06/17 20:47
Analyst: GP

Volume of Air: 252 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.011		ug/m3	0.004	--	1
Fluoranthene	0.004		ug/m3	0.004	--	1
Naphthalene	0.053		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.010		ug/m3	0.004	--	1
Phenanthrene	0.022		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	74		60-120
Benzo(b)fluoranthene-d12	69		60-120
Fluoranthene-d10	86		60-120
Benzo(a)pyrene-d12	69		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1717340
Report Date: 06/09/17

SAMPLE RESULTS

Lab ID: L1717340-03
Client ID: FAM-1
Sample Location: SUFFERN, NY

Date Collected: 05/25/17 00:00
Date Received: 05/25/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 06/01/17 15:27

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 06/06/17 21:20
Analyst: GP

Volume of Air: 256 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.024		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.096	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.019		ug/m3	0.004	--	1
Phenanthrene	0.027		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	74		60-120
Benzo(b)fluoranthene-d12	68		60-120
Fluoranthene-d10	88		60-120
Benzo(a)pyrene-d12	70		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1717340
Report Date: 06/09/17

SAMPLE RESULTS

Lab ID: L1717340-03 D
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 05/25/17 00:00
 Date Received: 05/25/17
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 06/01/17 15:27

Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 06/06/17 23:32
 Analyst: GP

Volume of Air: 256 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.102		ug/m3	0.020	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	80		60-120
Benzo(b)fluoranthene-d12	65		60-120
Fluoranthene-d10	90		60-120
Benzo(a)pyrene-d12	65		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1718114
Report Date: 06/15/17

SAMPLE RESULTS

Lab ID: L1718114-01
Client ID: FAM-5
Sample Location: SUFFERN, NY

Date Collected: 06/01/17 00:00
Date Received: 06/01/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 06/06/17 10:00

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 06/08/17 16:02
Analyst: GP

Volume of Air: 272 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.033		ug/m3	0.004	--	1
Fluoranthene	0.004		ug/m3	0.004	--	1
Naphthalene	0.155	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.020		ug/m3	0.004	--	1
Phenanthrene	0.037		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	66		60-120
Benzo(b)fluoranthene-d12	61		60-120
Fluoranthene-d10	81		60-120
Benzo(a)pyrene-d12	63		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1718114
Report Date: 06/15/17

SAMPLE RESULTS

Lab ID: L1718114-01 D
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 06/08/17 18:20
 Analyst: GP
 Volume of Air: 272 M3

Date Collected: 06/01/17 00:00
 Date Received: 06/01/17
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 06/06/17 10:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.177		ug/m3	0.018	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	64		60-120
Benzo(b)fluoranthene-d12	59	Q	60-120
Fluoranthene-d10	80		60-120
Benzo(a)pyrene-d12	61		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1718114
Report Date: 06/15/17

SAMPLE RESULTS

Lab ID: L1718114-02
Client ID: FAM-6
Sample Location: SUFFERN, NY

Date Collected: 06/01/17 00:00
Date Received: 06/01/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 06/06/17 10:00

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 06/08/17 16:38
Analyst: GP

Volume of Air: 252 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.009		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.045		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.007		ug/m3	0.004	--	1
Phenanthrene	0.012		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	66		60-120
Benzo(b)fluoranthene-d12	63		60-120
Fluoranthene-d10	80		60-120
Benzo(a)pyrene-d12	67		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1718114
Report Date: 06/15/17

SAMPLE RESULTS

Lab ID: L1718114-03
Client ID: FAM-1
Sample Location: SUFFERN, NY

Date Collected: 06/01/17 00:00
Date Received: 06/01/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 06/06/17 10:00

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 06/08/17 17:13
Analyst: GP

Volume of Air: 256 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.031		ug/m3	0.004	--	1
Fluoranthene	0.004		ug/m3	0.004	--	1
Naphthalene	0.153	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.022		ug/m3	0.004	--	1
Phenanthrene	0.043		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	62		60-120
Benzo(b)fluoranthene-d12	58	Q	60-120
Fluoranthene-d10	79		60-120
Benzo(a)pyrene-d12	65		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1718114
Report Date: 06/15/17

SAMPLE RESULTS

Lab ID: L1718114-03 D
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 06/01/17 00:00
 Date Received: 06/01/17
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 06/06/17 10:00

Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 06/08/17 19:27
 Analyst: GP

Volume of Air: 256 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.170		ug/m3	0.020	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	60		60-120
Benzo(b)fluoranthene-d12	55	Q	60-120
Fluoranthene-d10	79		60-120
Benzo(a)pyrene-d12	61		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1719146
Report Date: 06/22/17

SAMPLE RESULTS

Lab ID: L1719146-01
Client ID: FAM-2
Sample Location: SUFFERN, NY

Date Collected: 06/08/17 00:00
Date Received: 06/08/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 06/15/17 10:00

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 06/19/17 19:35
Analyst: GP

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.012		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.055		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.007		ug/m3	0.004	--	1
Phenanthrene	0.012		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	90		60-120
Benzo(b)fluoranthene-d12	83		60-120
Fluoranthene-d10	106		60-120
Benzo(a)pyrene-d12	91		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1719146
Report Date: 06/22/17

SAMPLE RESULTS

Lab ID: L1719146-02
Client ID: FAM-6
Sample Location: SUFFERN, NY

Date Collected: 06/08/17 00:00
Date Received: 06/08/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 06/15/17 10:00

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 06/19/17 20:10
Analyst: GP

Volume of Air: 252 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.043		ug/m3	0.004	--	1
Fluoranthene	0.005		ug/m3	0.004	--	1
Naphthalene	0.208	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	0.005		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.026		ug/m3	0.004	--	1
Phenanthrene	0.049		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	86		60-120
Benzo(b)fluoranthene-d12	79		60-120
Fluoranthene-d10	105		60-120
Benzo(a)pyrene-d12	90		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1719146
Report Date: 06/22/17

SAMPLE RESULTS

Lab ID: L1719146-02 D
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 06/08/17 00:00
 Date Received: 06/08/17
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 06/15/17 10:00

Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 06/19/17 22:33
 Analyst: GP

Volume of Air: 252 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.211		ug/m3	0.020	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	78		60-120
Benzo(b)fluoranthene-d12	70		60-120
Fluoranthene-d10	100		60-120
Benzo(a)pyrene-d12	79		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1719146
Report Date: 06/22/17

SAMPLE RESULTS

Lab ID: L1719146-03
Client ID: FAM-5
Sample Location: SUFFERN, NY

Date Collected: 06/08/17 00:00
Date Received: 06/08/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 06/15/17 10:00

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 06/19/17 20:46
Analyst: GP

Volume of Air: 265 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.008		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.049		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	0.012		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.006		ug/m3	0.004	--	1
Phenanthrene	0.012		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	88		60-120
Benzo(b)fluoranthene-d12	81		60-120
Fluoranthene-d10	107		60-120
Benzo(a)pyrene-d12	91		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1720315
Report Date: 06/28/17

SAMPLE RESULTS

Lab ID: L1720315-01
Client ID: FAM-5
Sample Location: SUFFERN, NY

Date Collected: 06/15/17 00:00
Date Received: 06/15/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 06/21/17 13:53

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 06/23/17 13:05
Analyst: GP

Volume of Air: 264 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.013		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.066		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.011		ug/m3	0.004	--	1
Phenanthrene	0.020		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	76		60-120
Benzo(b)fluoranthene-d12	71		60-120
Fluoranthene-d10	88		60-120
Benzo(a)pyrene-d12	94		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1720315
Report Date: 06/28/17

SAMPLE RESULTS

Lab ID: L1720315-02
Client ID: FAM-6
Sample Location: SUFFERN, NY

Date Collected: 06/15/17 00:00
Date Received: 06/15/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 06/21/17 13:53

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 06/23/17 13:46
Analyst: GP

Volume of Air: 252 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.034		ug/m3	0.004	--	1
Fluoranthene	0.010		ug/m3	0.004	--	1
Naphthalene	0.182	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.030		ug/m3	0.004	--	1
Phenanthrene	0.075		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	0.006		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	75		60-120
Benzo(b)fluoranthene-d12	74		60-120
Fluoranthene-d10	92		60-120
Benzo(a)pyrene-d12	85		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1720315
Report Date: 06/28/17

SAMPLE RESULTS

Lab ID: L1720315-02 D
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 06/15/17 00:00
 Date Received: 06/15/17
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 06/21/17 13:53

Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 06/23/17 16:30
 Analyst: GP

Volume of Air: 252 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.200		ug/m3	0.020	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	74		60-120
Benzo(b)fluoranthene-d12	67		60-120
Fluoranthene-d10	90		60-120
Benzo(a)pyrene-d12	86		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1720315
Report Date: 06/28/17

SAMPLE RESULTS

Lab ID: L1720315-03
Client ID: FAM-1
Sample Location: SUFFERN, NY

Date Collected: 06/15/17 00:00
Date Received: 06/15/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 06/21/17 13:53

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 06/23/17 14:27
Analyst: GP

Volume of Air: 258 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.041		ug/m3	0.004	--	1
Fluoranthene	0.009		ug/m3	0.004	--	1
Naphthalene	0.163	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.029		ug/m3	0.004	--	1
Phenanthrene	0.066		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	0.005		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	72		60-120
Benzo(b)fluoranthene-d12	72		60-120
Fluoranthene-d10	86		60-120
Benzo(a)pyrene-d12	84		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1720315
Report Date: 06/28/17

SAMPLE RESULTS

Lab ID: L1720315-03 D
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 06/15/17 00:00
 Date Received: 06/15/17
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 06/21/17 13:53

Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 06/23/17 17:10
 Analyst: GP

Volume of Air: 258 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.176		ug/m3	0.019	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	70		60-120
Benzo(b)fluoranthene-d12	66		60-120
Fluoranthene-d10	83		60-120
Benzo(a)pyrene-d12	77		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1721421
Report Date: 07/07/17

SAMPLE RESULTS

Lab ID: L1721421-01
Client ID: FAM-3
Sample Location: SUFFERN, NY

Date Collected: 06/22/17 00:00
Date Received: 06/22/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 06/29/17 15:00

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 07/03/17 15:32
Analyst: GP

Volume of Air: 263 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.007		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.032		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.005		ug/m3	0.004	--	1
Phenanthrene	0.010		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	81		60-120
Benzo(b)fluoranthene-d12	77		60-120
Fluoranthene-d10	0	Q	60-120
Benzo(a)pyrene-d12	0	Q	60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1721421
Report Date: 07/07/17

SAMPLE RESULTS

Lab ID: L1721421-02
Client ID: FAM-5/4
Sample Location: SUFFERN, NY

Date Collected: 06/22/17 00:00
Date Received: 06/22/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 06/29/17 15:00

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 07/03/17 16:10
Analyst: GP

Volume of Air: 247 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.007		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.034		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.006		ug/m3	0.004	--	1
Phenanthrene	0.014		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	81		60-120
Benzo(b)fluoranthene-d12	75		60-120
Fluoranthene-d10	0	Q	60-120
Benzo(a)pyrene-d12	0	Q	60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1721421
Report Date: 07/07/17

SAMPLE RESULTS

Lab ID: L1721421-03
Client ID: FAM-2
Sample Location: SUFFERN, NY

Date Collected: 06/22/17 00:00
Date Received: 06/22/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 06/29/17 15:00

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 07/03/17 16:48
Analyst: GP

Volume of Air: 258 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.031		ug/m3	0.004	--	1
Fluoranthene	0.005		ug/m3	0.004	--	1
Naphthalene	0.089	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.018		ug/m3	0.004	--	1
Phenanthrene	0.038		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	82		60-120
Benzo(b)fluoranthene-d12	76		60-120
Fluoranthene-d10	98		60-120
Benzo(a)pyrene-d12	81		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1721421
Report Date: 07/07/17

SAMPLE RESULTS

Lab ID: L1721421-03 D
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 06/22/17 00:00
 Date Received: 06/22/17
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 06/29/17 15:00

Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 07/03/17 19:14
 Analyst: GP

Volume of Air: 258 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.085		ug/m3	0.019	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	75		60-120
Benzo(b)fluoranthene-d12	66		60-120
Fluoranthene-d10	88		60-120
Benzo(a)pyrene-d12	70		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1722431
Report Date: 07/18/17

SAMPLE RESULTS

Lab ID: L1722431-01
Client ID: FAM-5
Sample Location: SUFFERN, NY

Date Collected: 06/29/17 00:00
Date Received: 06/29/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 07/03/17 13:30

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 07/17/17 20:56
Analyst: GP

Volume of Air: 265 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.014		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.052		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.009		ug/m3	0.004	--	1
Phenanthrene	0.014		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	87		60-120
Benzo(b)fluoranthene-d12	98		60-120
Fluoranthene-d10	99		60-120
Benzo(a)pyrene-d12	92		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1722431
Report Date: 07/18/17

SAMPLE RESULTS

Lab ID: L1722431-02
Client ID: FAM-1
Sample Location: SUFFERN, NY

Date Collected: 06/29/17 00:00
Date Received: 06/29/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 07/03/17 13:30

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 07/17/17 21:31
Analyst: GP

Volume of Air: 260 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.069		ug/m3	0.004	--	1
Fluoranthene	0.009		ug/m3	0.004	--	1
Naphthalene	0.283	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	0.008		ug/m3	0.004	--	1
Anthracene	0.005		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.043		ug/m3	0.004	--	1
Phenanthrene	0.095	E	ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	0.007		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	79		60-120
Benzo(b)fluoranthene-d12	93		60-120
Fluoranthene-d10	0	Q	60-120
Benzo(a)pyrene-d12	0	Q	60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1722431
Report Date: 07/18/17

SAMPLE RESULTS

Lab ID: L1722431-02 D
Client ID: FAM-1
Sample Location: SUFFERN, NY

Date Collected: 06/29/17 00:00
Date Received: 06/29/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 07/03/17 13:30

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 07/17/17 23:53
Analyst: GP

Volume of Air: 260 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.462		ug/m3	0.039	--	10
Phenanthrene	0.118		ug/m3	0.039	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	97		60-120
Benzo(b)fluoranthene-d12	91		60-120
Fluoranthene-d10	0	Q	60-120
Benzo(a)pyrene-d12	0	Q	60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1722431
Report Date: 07/18/17

SAMPLE RESULTS

Lab ID: L1722431-03
Client ID: FAM-2
Sample Location: SUFFERN, NY

Date Collected: 06/29/17 00:00
Date Received: 06/29/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 07/03/17 13:30

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 07/17/17 22:08
Analyst: GP

Volume of Air: 259 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.026		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.116	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.015		ug/m3	0.004	--	1
Phenanthrene	0.027		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	89		60-120
Benzo(b)fluoranthene-d12	90		60-120
Fluoranthene-d10	99		60-120
Benzo(a)pyrene-d12	89		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1722431
Report Date: 07/18/17

SAMPLE RESULTS

Lab ID: L1722431-03 D
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 06/29/17 00:00
 Date Received: 06/29/17
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 07/03/17 13:30

Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 07/18/17 11:33
 Analyst: GP

Volume of Air: 259 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.123		ug/m3	0.019	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	87		60-120
Benzo(b)fluoranthene-d12	77		60-120
Fluoranthene-d10	105		60-120
Benzo(a)pyrene-d12	86		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1723191
Report Date: 07/21/17

SAMPLE RESULTS

Lab ID: L1723191-01
Client ID: FAM-5
Sample Location: SUFFERN, NY

Date Collected: 07/07/17 00:00
Date Received: 07/07/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 07/12/17 15:40

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 07/14/17 13:22
Analyst: GP

Volume of Air: 270 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.023		ug/m3	0.004	--	1
Fluoranthene	0.006		ug/m3	0.004	--	1
Naphthalene	0.148	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.016		ug/m3	0.004	--	1
Phenanthrene	0.030		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	86		60-120
Benzo(b)fluoranthene-d12	77		60-120
Fluoranthene-d10	99		60-120
Benzo(a)pyrene-d12	85		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1723191
Report Date: 07/21/17

SAMPLE RESULTS

Lab ID: L1723191-01 D
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 07/07/17 00:00
 Date Received: 07/07/17
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 07/12/17 15:40

Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 07/14/17 15:51
 Analyst: GP

Volume of Air: 270 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.167		ug/m3	0.019	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	88		60-120
Benzo(b)fluoranthene-d12	79		60-120
Fluoranthene-d10	103		60-120
Benzo(a)pyrene-d12	86		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1723191
Report Date: 07/21/17

SAMPLE RESULTS

Lab ID: L1723191-02 D3
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 07/07/17 00:00
 Date Received: 07/07/17
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 07/12/17 15:40

Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 07/17/17 15:39
 Analyst: GP

Volume of Air: 257 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	7.70		ug/m3	0.389	--	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	0	Q	60-120
Benzo(b)fluoranthene-d12	0	Q	60-120
Fluoranthene-d10	0	Q	60-120
Benzo(a)pyrene-d12	0	Q	60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1723191
Report Date: 07/21/17

SAMPLE RESULTS

Lab ID: L1723191-02 D2
Client ID: FAM-6
Sample Location: SUFFERN, NY

Date Collected: 07/07/17 00:00
Date Received: 07/07/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 07/12/17 15:40

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 07/17/17 13:42
Analyst: GP

Volume of Air: 257 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Acenaphthene	0.492		ug/m3	0.194	--	50
Naphthalene	6.74	E	ug/m3	0.194	--	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	87		60-120
Benzo(b)fluoranthene-d12	72		60-120
Fluoranthene-d10	100		60-120
Benzo(a)pyrene-d12	75		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1723191
Report Date: 07/21/17

SAMPLE RESULTS

Lab ID: L1723191-02 D
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 07/14/17 16:28
 Analyst: GP
 Volume of Air: 257 M3

Date Collected: 07/07/17 00:00
 Date Received: 07/07/17
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 07/12/17 15:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.484	E	ug/m3	0.019	--	5
Fluoranthene	ND		ug/m3	0.019	--	5
Naphthalene	3.14	E	ug/m3	0.019	--	5
Benz(a)anthracene	ND		ug/m3	0.019	--	5
Benzo(a)pyrene	ND		ug/m3	0.019	--	5
Benzo(b)fluoranthene	ND		ug/m3	0.019	--	5
Benzo(k)fluoranthene	ND		ug/m3	0.019	--	5
Chrysene	ND		ug/m3	0.019	--	5
Acenaphthylene	0.249		ug/m3	0.019	--	5
Anthracene	0.025		ug/m3	0.019	--	5
Benzo(ghi)perylene	ND		ug/m3	0.019	--	5
Fluorene	0.239		ug/m3	0.019	--	5
Phenanthrene	0.234		ug/m3	0.019	--	5
Dibenz(a,h)anthracene	ND		ug/m3	0.019	--	5
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.019	--	5
Pyrene	ND		ug/m3	0.019	--	5
Perylene	ND		ug/m3	0.019	--	5
Benzo(e)Pyrene	ND		ug/m3	0.019	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	84		60-120
Benzo(b)fluoranthene-d12	75		60-120
Fluoranthene-d10	103		60-120
Benzo(a)pyrene-d12	88		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1723191
Report Date: 07/21/17

SAMPLE RESULTS

Lab ID: L1723191-03
Client ID: FAM-1
Sample Location: SUFFERN, NY

Date Collected: 07/07/17 00:00
Date Received: 07/07/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 07/12/17 15:40

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 07/14/17 14:36
Analyst: GP

Volume of Air: 264 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.111	E	ug/m3	0.004	--	1
Fluoranthene	0.013		ug/m3	0.004	--	1
Naphthalene	0.577	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	0.022		ug/m3	0.004	--	1
Anthracene	0.006		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.061		ug/m3	0.004	--	1
Phenanthrene	0.107	E	ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	0.007		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	85		60-120
Benzo(b)fluoranthene-d12	79		60-120
Fluoranthene-d10	108		60-120
Benzo(a)pyrene-d12	93		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1723191
Report Date: 07/21/17

SAMPLE RESULTS

Lab ID: L1723191-03 D2
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 07/07/17 00:00
 Date Received: 07/07/17
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 07/12/17 15:40

Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 07/17/17 16:19
 Analyst: GP

Volume of Air: 264 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	1.04		ug/m3	0.076	--	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	95		60-120
Benzo(b)fluoranthene-d12	0	Q	60-120
Fluoranthene-d10	0	Q	60-120
Benzo(a)pyrene-d12	0	Q	60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1723191
Report Date: 07/21/17

SAMPLE RESULTS

Lab ID: L1723191-03 D
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 07/14/17 17:05
 Analyst: GP
 Volume of Air: 264 M3

Date Collected: 07/07/17 00:00
 Date Received: 07/07/17
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 07/12/17 15:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Acenaphthene	0.109		ug/m3	0.019	--	5
Naphthalene	0.942	E	ug/m3	0.019	--	5
Phenanthrene	0.108		ug/m3	0.019	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	87		60-120
Benzo(b)fluoranthene-d12	79		60-120
Fluoranthene-d10	108		60-120
Benzo(a)pyrene-d12	92		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1724050
Report Date: 07/27/17

SAMPLE RESULTS

Lab ID: L1724050-01
Client ID: FAM-5
Sample Location: SUFFERN, NY

Date Collected: 07/13/17 00:00
Date Received: 07/13/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 07/18/17 15:30

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 07/20/17 16:23
Analyst: GP

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.022		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.112	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.013		ug/m3	0.004	--	1
Phenanthrene	0.023		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	86		60-120
Benzo(b)fluoranthene-d12	84		60-120
Fluoranthene-d10	103		60-120
Benzo(a)pyrene-d12	85		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1724050
Report Date: 07/27/17

SAMPLE RESULTS

Lab ID: L1724050-01 D
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 07/13/17 00:00
 Date Received: 07/13/17
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 07/18/17 15:30

Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 07/20/17 19:07
 Analyst: GP

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.115		ug/m3	0.020	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	90		60-120
Benzo(b)fluoranthene-d12	78		60-120
Fluoranthene-d10	100		60-120
Benzo(a)pyrene-d12	75		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1724050
Report Date: 07/27/17

SAMPLE RESULTS

Lab ID: L1724050-02
Client ID: FAM-1
Sample Location: SUFFERN, NY

Date Collected: 07/13/17 00:00
Date Received: 07/13/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 07/18/17 15:30

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 07/20/17 17:05
Analyst: GP

Volume of Air: 260 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.163	E	ug/m3	0.004	--	1
Fluoranthene	0.018		ug/m3	0.004	--	1
Naphthalene	0.707	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	0.019		ug/m3	0.004	--	1
Anthracene	0.010		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.084	E	ug/m3	0.004	--	1
Phenanthrene	0.176	E	ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	0.015		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	85		60-120
Benzo(b)fluoranthene-d12	81		60-120
Fluoranthene-d10	106		60-120
Benzo(a)pyrene-d12	90		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1724050
Report Date: 07/27/17

SAMPLE RESULTS

Lab ID: L1724050-02 D2
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 07/13/17 00:00
 Date Received: 07/13/17
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 07/18/17 15:30

Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 07/26/17 02:32
 Analyst: GP

Volume of Air: 260 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	1.29		ug/m3	0.077	--	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	77		60-120
Benzo(b)fluoranthene-d12	66		60-120
Fluoranthene-d10	102		60-120
Benzo(a)pyrene-d12	69		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1724050
Report Date: 07/27/17

SAMPLE RESULTS

Lab ID: L1724050-02 D
Client ID: FAM-1
Sample Location: SUFFERN, NY

Date Collected: 07/13/17 00:00
Date Received: 07/13/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 07/18/17 15:30

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 07/20/17 19:47
Analyst: GP

Volume of Air: 260 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.153		ug/m3	0.019	--	5
Naphthalene	1.15	E	ug/m3	0.019	--	5
Fluorene	0.082		ug/m3	0.019	--	5
Phenanthrene	0.175		ug/m3	0.019	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	86		60-120
Benzo(b)fluoranthene-d12	73		60-120
Fluoranthene-d10	100		60-120
Benzo(a)pyrene-d12	79		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1724050
Report Date: 07/27/17

SAMPLE RESULTS

Lab ID: L1724050-03
Client ID: FAM-2
Sample Location: SUFFERN, NY

Date Collected: 07/13/17 00:00
Date Received: 07/13/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 07/18/17 15:30

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 07/20/17 17:47
Analyst: GP

Volume of Air: 261 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.038		ug/m3	0.004	--	1
Fluoranthene	0.005		ug/m3	0.004	--	1
Naphthalene	0.226	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.021		ug/m3	0.004	--	1
Phenanthrene	0.045		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	87		60-120
Benzo(b)fluoranthene-d12	83		60-120
Fluoranthene-d10	102		60-120
Benzo(a)pyrene-d12	91		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1724050
Report Date: 07/27/17

SAMPLE RESULTS

Lab ID: L1724050-03 D
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 07/13/17 00:00
 Date Received: 07/13/17
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 07/18/17 15:30

Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 07/20/17 20:27
 Analyst: GP

Volume of Air: 261 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.235		ug/m3	0.019	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	86		60-120
Benzo(b)fluoranthene-d12	73		60-120
Fluoranthene-d10	97		60-120
Benzo(a)pyrene-d12	79		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1725077
Report Date: 08/03/17

SAMPLE RESULTS

Lab ID: L1725077-01
Client ID: FAM-3
Sample Location: SUFFERN, NY

Date Collected: 07/20/17 10:58
Date Received: 07/20/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 07/24/17 12:15

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 07/25/17 22:41
Analyst: GP

Volume of Air: 258 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.012		ug/m3	0.004	--	1
Fluoranthene	ND		ug/m3	0.004	--	1
Naphthalene	0.035		ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.008		ug/m3	0.004	--	1
Phenanthrene	0.014		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	81		60-120
Benzo(b)fluoranthene-d12	74		60-120
Fluoranthene-d10	98		60-120
Benzo(a)pyrene-d12	85		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1725077
Report Date: 08/03/17

SAMPLE RESULTS

Lab ID: L1725077-02
Client ID: FAM-6
Sample Location: SUFFERN, NY

Date Collected: 07/20/17 11:42
Date Received: 07/20/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 07/24/17 12:15

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 07/25/17 23:14
Analyst: GP

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.266	E	ug/m3	0.004	--	1
Fluoranthene	0.023		ug/m3	0.004	--	1
Naphthalene	1.13	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	0.045		ug/m3	0.004	--	1
Anthracene	0.019		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.137	E	ug/m3	0.004	--	1
Phenanthrene	0.273	E	ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	0.018		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	79		60-120
Benzo(b)fluoranthene-d12	76		60-120
Fluoranthene-d10	97		60-120
Benzo(a)pyrene-d12	85		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1725077
Report Date: 08/03/17

SAMPLE RESULTS

Lab ID: L1725077-02 D2
Client ID: FAM-6
Sample Location: SUFFERN, NY

Date Collected: 07/20/17 11:42
Date Received: 07/20/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 07/24/17 12:15

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 07/26/17 17:40
Analyst: GP

Volume of Air: 254 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	2.31		ug/m3	0.197	--	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	80		60-120
Benzo(b)fluoranthene-d12	64		60-120
Fluoranthene-d10	88		60-120
Benzo(a)pyrene-d12	82		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1725077
Report Date: 08/03/17

SAMPLE RESULTS

Lab ID: L1725077-02 D
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 07/26/17 01:26
 Analyst: GP
 Volume of Air: 254 M3

Date Collected: 07/20/17 11:42
 Date Received: 07/20/17
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 07/24/17 12:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.250		ug/m3	0.020	--	5
Naphthalene	1.77	E	ug/m3	0.020	--	5
Fluorene	0.135		ug/m3	0.020	--	5
Phenanthrene	0.277		ug/m3	0.020	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	77		60-120
Benzo(b)fluoranthene-d12	70		60-120
Fluoranthene-d10	92		60-120
Benzo(a)pyrene-d12	83		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1725077
Report Date: 08/03/17

SAMPLE RESULTS

Lab ID: L1725077-03
Client ID: FAM-1
Sample Location: SUFFERN, NY

Date Collected: 07/20/17 11:05
Date Received: 07/20/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 07/24/17 12:15

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 07/25/17 23:47
Analyst: GP

Volume of Air: 261 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.188	E	ug/m3	0.004	--	1
Fluoranthene	0.017		ug/m3	0.004	--	1
Naphthalene	0.844	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	0.023		ug/m3	0.004	--	1
Anthracene	0.012		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.094	E	ug/m3	0.004	--	1
Phenanthrene	0.192	E	ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	0.013		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	84		60-120
Benzo(b)fluoranthene-d12	79		60-120
Fluoranthene-d10	95		60-120
Benzo(a)pyrene-d12	83		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1725077
Report Date: 08/03/17

SAMPLE RESULTS

Lab ID: L1725077-03 D2
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 07/20/17 11:05
 Date Received: 07/20/17
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 07/24/17 12:15

Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 07/26/17 18:16
 Analyst: GP

Volume of Air: 261 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	1.77		ug/m3	0.192	--	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	82		60-120
Benzo(b)fluoranthene-d12	69		60-120
Fluoranthene-d10	99		60-120
Benzo(a)pyrene-d12	78		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1725077
Report Date: 08/03/17

SAMPLE RESULTS

Lab ID: L1725077-03 D
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 07/26/17 01:59
 Analyst: GP
 Volume of Air: 261 M3

Date Collected: 07/20/17 11:05
 Date Received: 07/20/17
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 07/24/17 12:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.190		ug/m3	0.019	--	5
Naphthalene	1.40	E	ug/m3	0.019	--	5
Fluorene	0.094		ug/m3	0.019	--	5
Phenanthrene	0.203		ug/m3	0.019	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	83		60-120
Benzo(b)fluoranthene-d12	75		60-120
Fluoranthene-d10	96		60-120
Benzo(a)pyrene-d12	83		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1726133
Report Date: 08/07/17

SAMPLE RESULTS

Lab ID: L1726133-01
Client ID: FAM-6
Sample Location: SUFFERN, NY

Date Collected: 07/27/17 00:00
Date Received: 07/27/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 07/31/17 15:50

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 08/02/17 22:29
Analyst: GP

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.013		ug/m3	0.004	--	1
Fluoranthene	0.007		ug/m3	0.004	--	1
Naphthalene	0.082	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.012		ug/m3	0.004	--	1
Phenanthrene	0.028		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	72		60-120
Benzo(b)fluoranthene-d12	78		60-120
Fluoranthene-d10	76		60-120
Benzo(a)pyrene-d12	72		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1726133
Report Date: 08/07/17

SAMPLE RESULTS

Lab ID: L1726133-01 D
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 07/27/17 00:00
 Date Received: 07/27/17
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 07/31/17 15:50

Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 08/03/17 00:14
 Analyst: GP

Volume of Air: 253 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.088		ug/m3	0.020	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	81		60-120
Benzo(b)fluoranthene-d12	79		60-120
Fluoranthene-d10	79		60-120
Benzo(a)pyrene-d12	71		60-120

Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1726133
Report Date: 08/07/17

SAMPLE RESULTS

Lab ID: L1726133-02
Client ID: FAM-1
Sample Location: SUFFERN, NY

Date Collected: 07/27/17 00:00
Date Received: 07/27/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 07/31/17 15:50

Matrix: Air Media
Analytical Method: 48,TO-13A(M)
Analytical Date: 08/02/17 23:04
Analyst: GP

Volume of Air: 261 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs in Air - Mansfield Lab						
Acenaphthene	0.019		ug/m3	0.004	--	1
Fluoranthene	0.005		ug/m3	0.004	--	1
Naphthalene	0.090	E	ug/m3	0.004	--	1
Benz(a)anthracene	ND		ug/m3	0.004	--	1
Benzo(a)pyrene	ND		ug/m3	0.004	--	1
Benzo(b)fluoranthene	ND		ug/m3	0.004	--	1
Benzo(k)fluoranthene	ND		ug/m3	0.004	--	1
Chrysene	ND		ug/m3	0.004	--	1
Acenaphthylene	ND		ug/m3	0.004	--	1
Anthracene	ND		ug/m3	0.004	--	1
Benzo(ghi)perylene	ND		ug/m3	0.004	--	1
Fluorene	0.014		ug/m3	0.004	--	1
Phenanthrene	0.029		ug/m3	0.004	--	1
Dibenz(a,h)anthracene	ND		ug/m3	0.004	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/m3	0.004	--	1
Pyrene	ND		ug/m3	0.004	--	1
Perylene	ND		ug/m3	0.004	--	1
Benzo(e)Pyrene	ND		ug/m3	0.004	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	89		60-120
Benzo(b)fluoranthene-d12	97		60-120
Fluoranthene-d10	95		60-120
Benzo(a)pyrene-d12	89		60-120



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1726133
Report Date: 08/07/17

SAMPLE RESULTS

Lab ID: L1726133-02 D
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 07/27/17 00:00
 Date Received: 07/27/17
 Field Prep: Not Specified
 Extraction Method: EPA 3540C
 Extraction Date: 07/31/17 15:50

Matrix: Air Media
 Analytical Method: 48,TO-13A(M)
 Analytical Date: 08/03/17 00:49
 Analyst: GP

Volume of Air: 261 M3

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

PAHs in Air - Mansfield Lab

Naphthalene	0.093		ug/m3	0.019	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pyrene-d10	90		60-120
Benzo(b)fluoranthene-d12	95		60-120
Fluoranthene-d10	92		60-120
Benzo(a)pyrene-d12	94		60-120

TO-15 (VOC) LAB REPORTS

Project Name: O&R: SUFFERN**Project Number:** Not Specified**Lab Number:** L1606064**Report Date:** 03/17/16**SAMPLE RESULTS**

Lab ID: L1606064-01
Client ID: FAM-3
Sample Location: SUFFERN, NY
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/14/16 21:33
Analyst: MB

Date Collected: 03/03/16 15:30
Date Received: 03/03/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.270	0.200	--	1.34	0.989	--		1
Chloromethane	0.479	0.200	--	0.989	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.91	1.00	--	4.54	2.38	--		1
Trichlorofluoromethane	0.311	0.200	--	1.75	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R: SUFFERN**Lab Number:** L1606064**Project Number:** Not Specified**Report Date:** 03/17/16**SAMPLE RESULTS**

Lab ID: L1606064-01

Date Collected: 03/03/16 15:30

Client ID: FAM-3

Date Received: 03/03/16

Sample Location: SUFFERN, NY

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	0.511	0.200	--	1.80	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.323	0.200	--	1.32	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R: SUFFERN**Lab Number:** L1606064**Project Number:** Not Specified**Report Date:** 03/17/16**SAMPLE RESULTS**

Lab ID: L1606064-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 03/03/16 15:30
 Date Received: 03/03/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	96		60-140



Project Name: O&R: SUFFERN**Project Number:** Not Specified**Lab Number:** L1606064**Report Date:** 03/17/16**SAMPLE RESULTS**

Lab ID: L1606064-01
Client ID: FAM-3
Sample Location: SUFFERN, NY
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/14/16 21:33
Analyst: MB

Date Collected: 03/03/16 15:30
Date Received: 03/03/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.061	0.020	--	0.384	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.021	0.020	--	0.142	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	100		60-140
bromochloromethane	101		60-140
chlorobenzene-d5	98		60-140



Project Name: O&R: SUFFERN**Project Number:** Not Specified**Lab Number:** L1606064**Report Date:** 03/17/16**SAMPLE RESULTS**

Lab ID: L1606064-02
Client ID: FAM-5
Sample Location: SUFFERN, NY
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/14/16 22:37
Analyst: MB

Date Collected: 03/03/16 16:00
Date Received: 03/03/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.362	0.200	--	1.79	0.989	--		1
Chloromethane	0.508	0.200	--	1.05	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.16	1.00	--	2.76	2.38	--		1
Trichlorofluoromethane	0.272	0.200	--	1.53	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R: SUFFERN**Lab Number:** L1606064**Project Number:** Not Specified**Report Date:** 03/17/16**SAMPLE RESULTS**

Lab ID: L1606064-02

Date Collected: 03/03/16 16:00

Client ID: FAM-5

Date Received: 03/03/16

Sample Location: SUFFERN, NY

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R: SUFFERN**Lab Number:** L1606064**Project Number:** Not Specified**Report Date:** 03/17/16**SAMPLE RESULTS**

Lab ID: L1606064-02
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 03/03/16 16:00
 Date Received: 03/03/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	86		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	88		60-140



Project Name: O&R: SUFFERN**Project Number:** Not Specified**Lab Number:** L1606064**Report Date:** 03/17/16**SAMPLE RESULTS**

Lab ID: L1606064-02
Client ID: FAM-5
Sample Location: SUFFERN, NY
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 03/14/16 22:37
Analyst: MB

Date Collected: 03/03/16 16:00
Date Received: 03/03/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.066	0.020	--	0.415	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	89		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	90		60-140



Project Name: O&R: SUFFERN**Project Number:** Not Specified**Lab Number:** L1606064**Report Date:** 03/17/16**SAMPLE RESULTS**

Lab ID: L1606064-03
Client ID: FAM-1
Sample Location: SUFFERN, NY
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 03/14/16 23:09
Analyst: MB

Date Collected: 03/03/16 16:20
Date Received: 03/03/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.328	0.200	--	1.62	0.989	--		1
Chloromethane	0.480	0.200	--	0.991	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.68	1.00	--	3.99	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R: SUFFERN**Lab Number:** L1606064**Project Number:** Not Specified**Report Date:** 03/17/16**SAMPLE RESULTS**

Lab ID: L1606064-03

Date Collected: 03/03/16 16:20

Client ID: FAM-1

Date Received: 03/03/16

Sample Location: SUFFERN, NY

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	0.362	0.200	--	1.28	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.278	0.200	--	1.14	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R: SUFFERN**Lab Number:** L1606064**Project Number:** Not Specified**Report Date:** 03/17/16**SAMPLE RESULTS**

Lab ID: L1606064-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 03/03/16 16:20
 Date Received: 03/03/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	92		60-140



Project Name: O&R: SUFFERN**Project Number:** Not Specified**Lab Number:** L1606064**Report Date:** 03/17/16**SAMPLE RESULTS**

Lab ID: L1606064-03
Client ID: FAM-1
Sample Location: SUFFERN, NY
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 03/14/16 23:09
Analyst: MB

Date Collected: 03/03/16 16:20
Date Received: 03/03/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.065	0.020	--	0.409	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	95		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1607903
Report Date: 03/24/16

SAMPLE RESULTS

Lab ID: L1607903-01
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/22/16 23:08
 Analyst: MB

Date Collected: 03/16/16 12:02
 Date Received: 03/17/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.322	0.200	--	1.59	0.989	--		1
Chloromethane	0.532	0.200	--	1.10	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.60	1.00	--	10.9	2.38	--		1
Trichlorofluoromethane	0.250	0.200	--	1.40	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1607903
Report Date: 03/24/16

SAMPLE RESULTS

Lab ID: L1607903-01
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 03/16/16 12:02
 Date Received: 03/17/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.443	0.200	--	1.67	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.607	0.200	--	2.64	0.869	--		1
p/m-Xylene	3.33	0.400	--	14.5	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.818	0.200	--	3.55	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1607903
Report Date: 03/24/16

SAMPLE RESULTS

Lab ID: L1607903-01
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 03/16/16 12:02
 Date Received: 03/17/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	85		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	85		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1607903
Report Date: 03/24/16

SAMPLE RESULTS

Lab ID: L1607903-01
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/22/16 23:08
 Analyst: MB

Date Collected: 03/16/16 12:02
 Date Received: 03/17/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.070	0.020	--	0.440	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.048	0.020	--	0.325	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	84		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	85		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1607903
Report Date: 03/24/16

SAMPLE RESULTS

Lab ID: L1607903-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/22/16 23:39
 Analyst: MB

Date Collected: 03/16/16 12:13
 Date Received: 03/17/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.422	0.200	--	2.09	0.989	--		1
Chloromethane	0.601	0.200	--	1.24	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.34	1.00	--	7.93	2.38	--		1
Trichlorofluoromethane	0.259	0.200	--	1.46	1.12	--		1
Isopropanol	0.521	0.500	--	1.28	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.706	0.500	--	2.45	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1607903
Report Date: 03/24/16

SAMPLE RESULTS

Lab ID: L1607903-02
Client ID: FAM-6
Sample Location: SUFFERN, NY

Date Collected: 03/16/16 12:13
Date Received: 03/17/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.584	0.200	--	2.20	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.918	0.200	--	3.99	0.869	--		1
p/m-Xylene	5.73	0.400	--	24.9	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.41	0.200	--	6.12	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.224	0.200	--	1.10	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1607903
Report Date: 03/24/16

SAMPLE RESULTS

Lab ID: L1607903-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 03/16/16 12:13
 Date Received: 03/17/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	85		60-140
Bromochloromethane	80		60-140
chlorobenzene-d5	84		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1607903
Report Date: 03/24/16

SAMPLE RESULTS

Lab ID: L1607903-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/22/16 23:39
 Analyst: MB

Date Collected: 03/16/16 12:13
 Date Received: 03/17/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.071	0.020	--	0.447	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.038	0.020	--	0.258	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	84		60-140
bromochloromethane	82		60-140
chlorobenzene-d5	83		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1607903
Report Date: 03/24/16

SAMPLE RESULTS

Lab ID: L1607903-03
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/23/16 00:10
 Analyst: MB

Date Collected: 03/16/16 12:23
 Date Received: 03/17/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.387	0.200	--	1.91	0.989	--		1
Chloromethane	0.533	0.200	--	1.10	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.96	1.00	--	9.41	2.38	--		1
Trichlorofluoromethane	0.239	0.200	--	1.34	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1607903
Report Date: 03/24/16

SAMPLE RESULTS

Lab ID: L1607903-03
Client ID: FAM-5
Sample Location: SUFFERN, NY

Date Collected: 03/16/16 12:23
Date Received: 03/17/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.558	0.200	--	2.10	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	1.03	0.200	--	4.47	0.869	--		1
p/m-Xylene	6.21	0.400	--	27.0	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.56	0.200	--	6.78	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.214	0.200	--	1.05	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1607903
Report Date: 03/24/16

SAMPLE RESULTS

Lab ID: L1607903-03
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 03/16/16 12:23
 Date Received: 03/17/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	85		60-140
Bromochloromethane	83		60-140
chlorobenzene-d5	84		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1607903
Report Date: 03/24/16

SAMPLE RESULTS

Lab ID: L1607903-03
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/23/16 00:10
 Analyst: MB

Date Collected: 03/16/16 12:23
 Date Received: 03/17/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.071	0.020	--	0.447	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.035	0.020	--	0.237	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	84		60-140
bromochloromethane	83		60-140
chlorobenzene-d5	83		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1608777
Report Date: 04/01/16

SAMPLE RESULTS

Lab ID: L1608777-01
 Client ID: FAM-4
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/31/16 23:31
 Analyst: RY

Date Collected: 03/25/16 11:17
 Date Received: 03/25/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.233	0.200	--	1.15	0.989	--		1
Chloromethane	0.507	0.200	--	1.05	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.69	1.00	--	4.01	2.38	--		1
Trichlorofluoromethane	0.221	0.200	--	1.24	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1608777
Report Date: 04/01/16

SAMPLE RESULTS

Lab ID: L1608777-01
 Client ID: FAM-4
 Sample Location: SUFFERN, NY

Date Collected: 03/25/16 11:17
 Date Received: 03/25/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	1.12	0.200	--	3.58	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	4.14	0.200	--	15.6	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.973	0.200	--	4.23	0.869	--		1
p/m-Xylene	2.70	0.400	--	11.7	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.23	0.200	--	5.34	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1608777
Report Date: 04/01/16

SAMPLE RESULTS

Lab ID: L1608777-01
 Client ID: FAM-4
 Sample Location: SUFFERN, NY

Date Collected: 03/25/16 11:17
 Date Received: 03/25/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	86		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	85		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1608777
Report Date: 04/01/16

SAMPLE RESULTS

Lab ID: L1608777-01
 Client ID: FAM-4
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/31/16 23:31
 Analyst: RY

Date Collected: 03/25/16 11:17
 Date Received: 03/25/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.075	0.020	--	0.472	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.037	0.020	--	0.251	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	85		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	87		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1608777
Report Date: 04/01/16

SAMPLE RESULTS

Lab ID: L1608777-02
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/01/16 00:02
 Analyst: RY

Date Collected: 03/25/16 11:29
 Date Received: 03/25/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.342	0.200	--	1.69	0.989	--		1
Chloromethane	0.468	0.200	--	0.966	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.89	1.00	--	4.49	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1608777
Report Date: 04/01/16

SAMPLE RESULTS

Lab ID: L1608777-02
Client ID: FAM-5
Sample Location: SUFFERN, NY

Date Collected: 03/25/16 11:29
Date Received: 03/25/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1608777
Report Date: 04/01/16

SAMPLE RESULTS

Lab ID: L1608777-02
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 03/25/16 11:29
 Date Received: 03/25/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	89		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1608777
Report Date: 04/01/16

SAMPLE RESULTS

Lab ID: L1608777-02
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/01/16 00:02
 Analyst: RY

Date Collected: 03/25/16 11:29
 Date Received: 03/25/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.071	0.020	--	0.447	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	86		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	90		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1608777
Report Date: 04/01/16

SAMPLE RESULTS

Lab ID: L1608777-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/01/16 00:34
 Analyst: RY

Date Collected: 03/25/16 11:44
 Date Received: 03/25/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.257	0.200	--	1.27	0.989	--		1
Chloromethane	0.496	0.200	--	1.02	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.64	1.00	--	6.27	2.38	--		1
Trichlorofluoromethane	0.242	0.200	--	1.36	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1608777
Report Date: 04/01/16

SAMPLE RESULTS

Lab ID: L1608777-03
Client ID: FAM-1
Sample Location: SUFFERN, NY

Date Collected: 03/25/16 11:44
Date Received: 03/25/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	0.986	0.400	--	4.28	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.229	0.200	--	0.995	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1608777
Report Date: 04/01/16

SAMPLE RESULTS

Lab ID: L1608777-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 03/25/16 11:44
 Date Received: 03/25/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	83		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	83		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1608777
Report Date: 04/01/16

SAMPLE RESULTS

Lab ID: L1608777-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/01/16 00:34
 Analyst: RY

Date Collected: 03/25/16 11:44
 Date Received: 03/25/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.073	0.020	--	0.459	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.057	0.020	--	0.387	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	83		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	86		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1609432
Report Date: 04/07/16

SAMPLE RESULTS

Lab ID: L1609432-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/07/16 00:08
 Analyst: RY

Date Collected: 03/31/16 11:16
 Date Received: 03/31/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.263	0.200	--	1.30	0.989	--		1
Chloromethane	0.542	0.200	--	1.12	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.77	1.00	--	6.58	2.38	--		1
Trichlorofluoromethane	0.257	0.200	--	1.44	1.12	--		1
Isopropanol	0.614	0.500	--	1.51	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1609432
Report Date: 04/07/16

SAMPLE RESULTS

Lab ID: L1609432-01
Client ID: FAM-3
Sample Location: SUFFERN, NY

Date Collected: 03/31/16 11:16
Date Received: 03/31/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.372	0.200	--	1.40	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	1.08	0.400	--	4.69	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.296	0.200	--	1.29	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1609432
Report Date: 04/07/16

SAMPLE RESULTS

Lab ID: L1609432-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 03/31/16 11:16
 Date Received: 03/31/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	70		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	68		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1609432
Report Date: 04/07/16

SAMPLE RESULTS

Lab ID: L1609432-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/07/16 00:08
 Analyst: RY

Date Collected: 03/31/16 11:16
 Date Received: 03/31/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.067	0.020	--	0.421	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.048	0.020	--	0.325	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	69		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	69		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1609432
Report Date: 04/07/16

SAMPLE RESULTS

Lab ID: L1609432-02
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/07/16 00:42
 Analyst: RY

Date Collected: 03/31/16 11:25
 Date Received: 03/31/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.361	0.200	--	1.79	0.989	--		1
Chloromethane	0.611	0.200	--	1.26	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.35	1.00	--	5.58	2.38	--		1
Trichlorofluoromethane	0.233	0.200	--	1.31	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1609432
Report Date: 04/07/16

SAMPLE RESULTS

Lab ID: L1609432-02
Client ID: FAM-5
Sample Location: SUFFERN, NY

Date Collected: 03/31/16 11:25
Date Received: 03/31/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.205	0.200	--	0.773	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1609432
Report Date: 04/07/16

SAMPLE RESULTS

Lab ID: L1609432-02
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 03/31/16 11:25
 Date Received: 03/31/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	78		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	80		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1609432
Report Date: 04/07/16

SAMPLE RESULTS

Lab ID: L1609432-02
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/07/16 00:42
 Analyst: RY

Date Collected: 03/31/16 11:25
 Date Received: 03/31/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.062	0.020	--	0.390	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	77		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	81		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1609432
Report Date: 04/07/16

SAMPLE RESULTS

Lab ID: L1609432-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/07/16 01:49
 Analyst: RY

Date Collected: 03/31/16 11:39
 Date Received: 03/31/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.260	0.200	--	1.29	0.989	--		1
Chloromethane	0.482	0.200	--	0.995	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.81	1.00	--	6.68	2.38	--		1
Trichlorofluoromethane	0.232	0.200	--	1.30	1.12	--		1
Isopropanol	0.558	0.500	--	1.37	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1609432
Report Date: 04/07/16

SAMPLE RESULTS

Lab ID: L1609432-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 03/31/16 11:39
 Date Received: 03/31/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.225	0.200	--	0.848	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1609432
Report Date: 04/07/16

SAMPLE RESULTS

Lab ID: L1609432-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 03/31/16 11:39
 Date Received: 03/31/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	75		60-140
Bromochloromethane	103		60-140
chlorobenzene-d5	76		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1609432
Report Date: 04/07/16

SAMPLE RESULTS

Lab ID: L1609432-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/07/16 01:49
 Analyst: RY

Date Collected: 03/31/16 11:39
 Date Received: 03/31/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.064	0.020	--	0.403	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.028	0.020	--	0.190	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	74		60-140
bromochloromethane	102		60-140
chlorobenzene-d5	77		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1610228
Report Date: 04/18/16

SAMPLE RESULTS

Lab ID: L1610228-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/15/16 18:38
 Analyst: RY

Date Collected: 04/07/16 11:24
 Date Received: 04/07/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloromethane	0.593	0.200	--	1.22	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.01	1.00	--	4.77	2.38	--		1
Trichlorofluoromethane	0.230	0.200	--	1.29	1.12	--		1
Isopropanol	0.522	0.500	--	1.28	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1610228
Report Date: 04/18/16

SAMPLE RESULTS

Lab ID: L1610228-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 04/07/16 11:24
 Date Received: 04/07/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1610228
Report Date: 04/18/16

SAMPLE RESULTS

Lab ID: L1610228-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 04/07/16 11:24
 Date Received: 04/07/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	86		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	100		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1610228
Report Date: 04/18/16

SAMPLE RESULTS

Lab ID: L1610228-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/15/16 18:38
 Analyst: RY

Date Collected: 04/07/16 11:24
 Date Received: 04/07/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.289	0.200	--	1.43	0.989	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.082	0.020	--	0.516	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.037	0.020	--	0.251	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	82		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	96		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1610228
Report Date: 04/18/16

SAMPLE RESULTS

Lab ID: L1610228-02
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/15/16 19:49
 Analyst: RY

Date Collected: 04/07/16 11:37
 Date Received: 04/07/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloromethane	0.677	0.200	--	1.40	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.14	1.00	--	7.46	2.38	--		1
Trichlorofluoromethane	0.258	0.200	--	1.45	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.729	0.500	--	2.53	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1610228
Report Date: 04/18/16

SAMPLE RESULTS

Lab ID: L1610228-02
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 04/07/16 11:37
 Date Received: 04/07/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.374	0.200	--	1.41	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1610228
Report Date: 04/18/16

SAMPLE RESULTS

Lab ID: L1610228-02
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 04/07/16 11:37
 Date Received: 04/07/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	76		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	79		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1610228
Report Date: 04/18/16

SAMPLE RESULTS

Lab ID: L1610228-02
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/15/16 19:49
 Analyst: RY

Date Collected: 04/07/16 11:37
 Date Received: 04/07/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.344	0.200	--	1.70	0.989	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.096	0.020	--	0.604	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.044	0.020	--	0.298	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	72		60-140
bromochloromethane	84		60-140
chlorobenzene-d5	76		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1610228
Report Date: 04/18/16

SAMPLE RESULTS

Lab ID: L1610228-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/15/16 20:22
 Analyst: RY

Date Collected: 04/07/16 11:50
 Date Received: 04/07/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloromethane	0.559	0.200	--	1.15	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.48	1.00	--	5.89	2.38	--		1
Trichlorofluoromethane	0.240	0.200	--	1.35	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1610228
Report Date: 04/18/16

SAMPLE RESULTS

Lab ID: L1610228-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 04/07/16 11:50
 Date Received: 04/07/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1610228
Report Date: 04/18/16

SAMPLE RESULTS

Lab ID: L1610228-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 04/07/16 11:50
 Date Received: 04/07/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	83		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	84		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1610228
Report Date: 04/18/16

SAMPLE RESULTS

Lab ID: L1610228-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/15/16 20:22
 Analyst: RY

Date Collected: 04/07/16 11:50
 Date Received: 04/07/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.465	0.200	--	2.30	0.989	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.083	0.020	--	0.522	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.053	0.020	--	0.359	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	79		60-140
bromochloromethane	86		60-140
chlorobenzene-d5	81		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1611023
Report Date: 04/22/16

SAMPLE RESULTS

Lab ID: L1611023-01
 Client ID: FAM-4
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/21/16 23:29
 Analyst: RY

Date Collected: 04/14/16 11:44
 Date Received: 04/14/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.430	0.200	--	2.13	0.989	--		1
Chloromethane	0.555	0.200	--	1.15	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.99	1.00	--	4.73	2.38	--		1
Trichlorofluoromethane	0.243	0.200	--	1.37	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1611023
Report Date: 04/22/16

SAMPLE RESULTS

Lab ID: L1611023-01
 Client ID: FAM-4
 Sample Location: SUFFERN, NY

Date Collected: 04/14/16 11:44
 Date Received: 04/14/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1611023
Report Date: 04/22/16

SAMPLE RESULTS

Lab ID: L1611023-01
 Client ID: FAM-4
 Sample Location: SUFFERN, NY

Date Collected: 04/14/16 11:44
 Date Received: 04/14/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	85		60-140
Bromochloromethane	87		60-140
chlorobenzene-d5	80		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1611023
Report Date: 04/22/16

SAMPLE RESULTS

Lab ID: L1611023-01
 Client ID: FAM-4
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/21/16 23:29
 Analyst: RY

Date Collected: 04/14/16 11:44
 Date Received: 04/14/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.069	0.020	--	0.434	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	88		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	84		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1611023
Report Date: 04/22/16

SAMPLE RESULTS

Lab ID: L1611023-02
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/22/16 00:03
 Analyst: RY

Date Collected: 04/14/16 11:51
 Date Received: 04/14/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.463	0.200	--	2.29	0.989	--		1
Chloromethane	0.582	0.200	--	1.20	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.27	1.00	--	5.39	2.38	--		1
Trichlorofluoromethane	0.242	0.200	--	1.36	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1611023
Report Date: 04/22/16

SAMPLE RESULTS

Lab ID: L1611023-02
Client ID: FAM-5
Sample Location: SUFFERN, NY

Date Collected: 04/14/16 11:51
Date Received: 04/14/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1611023
Report Date: 04/22/16

SAMPLE RESULTS

Lab ID: L1611023-02
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 04/14/16 11:51
 Date Received: 04/14/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	85		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	82		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1611023
Report Date: 04/22/16

SAMPLE RESULTS

Lab ID: L1611023-02
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/22/16 00:03
 Analyst: RY

Date Collected: 04/14/16 11:51
 Date Received: 04/14/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.069	0.020	--	0.434	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	88		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	86		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1611023
Report Date: 04/22/16

SAMPLE RESULTS

Lab ID: L1611023-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/22/16 00:37
 Analyst: RY

Date Collected: 04/14/16 11:59
 Date Received: 04/14/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.485	0.200	--	2.40	0.989	--		1
Chloromethane	0.577	0.200	--	1.19	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.07	1.00	--	9.67	2.38	--		1
Trichlorofluoromethane	0.266	0.200	--	1.49	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1611023
Report Date: 04/22/16

SAMPLE RESULTS

Lab ID: L1611023-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 04/14/16 11:59
 Date Received: 04/14/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1611023
Report Date: 04/22/16

SAMPLE RESULTS

Lab ID: L1611023-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 04/14/16 11:59
 Date Received: 04/14/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	86		60-140
Bromochloromethane	87		60-140
chlorobenzene-d5	82		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1611023
Report Date: 04/22/16

SAMPLE RESULTS

Lab ID: L1611023-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/22/16 00:37
 Analyst: RY

Date Collected: 04/14/16 11:59
 Date Received: 04/14/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.068	0.020	--	0.428	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	88		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	86		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1612018
Report Date: 04/29/16

SAMPLE RESULTS

Lab ID: L1612018-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/28/16 20:52
 Analyst: RY

Date Collected: 04/22/16 10:37
 Date Received: 04/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.363	0.200	--	1.79	0.989	--		1
Chloromethane	0.618	0.200	--	1.28	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.94	1.00	--	9.36	2.38	--		1
Trichlorofluoromethane	0.260	0.200	--	1.46	1.12	--		1
Isopropanol	0.566	0.500	--	1.39	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1612018
Report Date: 04/29/16

SAMPLE RESULTS

Lab ID: L1612018-01
Client ID: FAM-5
Sample Location: SUFFERN, NY

Date Collected: 04/22/16 10:37
Date Received: 04/22/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.238	0.200	--	0.897	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1612018
Report Date: 04/29/16

SAMPLE RESULTS

Lab ID: L1612018-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 04/22/16 10:37
 Date Received: 04/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	84		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	81		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1612018
Report Date: 04/29/16

SAMPLE RESULTS

Lab ID: L1612018-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/28/16 20:52
 Analyst: RY

Date Collected: 04/22/16 10:37
 Date Received: 04/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.068	0.020	--	0.428	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.025	0.020	--	0.170	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	86		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	82		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1612018
Report Date: 04/29/16

SAMPLE RESULTS

Lab ID: L1612018-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/28/16 22:00
 Analyst: RY

Date Collected: 04/22/16 10:44
 Date Received: 04/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.515	0.200	--	2.55	0.989	--		1
Chloromethane	0.610	0.200	--	1.26	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.06	1.00	--	9.64	2.38	--		1
Trichlorofluoromethane	0.365	0.200	--	2.05	1.12	--		1
Isopropanol	0.766	0.500	--	1.88	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.611	0.500	--	2.12	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1612018
Report Date: 04/29/16

SAMPLE RESULTS

Lab ID: L1612018-02
Client ID: FAM-1
Sample Location: SUFFERN, NY

Date Collected: 04/22/16 10:44
Date Received: 04/22/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.254	0.200	--	0.957	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1612018
Report Date: 04/29/16

SAMPLE RESULTS

Lab ID: L1612018-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 04/22/16 10:44
 Date Received: 04/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	85		60-140
Bromochloromethane	87		60-140
chlorobenzene-d5	80		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1612018
Report Date: 04/29/16

SAMPLE RESULTS

Lab ID: L1612018-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/28/16 22:00
 Analyst: RY

Date Collected: 04/22/16 10:44
 Date Received: 04/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.069	0.020	--	0.434	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.026	0.020	--	0.176	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	86		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	83		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1612018
Report Date: 04/29/16

SAMPLE RESULTS

Lab ID: L1612018-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/28/16 22:35
 Analyst: RY

Date Collected: 04/22/16 10:57
 Date Received: 04/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.541	0.200	--	2.68	0.989	--		1
Chloromethane	0.587	0.200	--	1.21	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.94	1.00	--	9.36	2.38	--		1
Trichlorofluoromethane	0.645	0.200	--	3.62	1.12	--		1
Isopropanol	0.561	0.500	--	1.38	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1612018
Report Date: 04/29/16

SAMPLE RESULTS

Lab ID: L1612018-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 04/22/16 10:57
 Date Received: 04/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.234	0.200	--	0.882	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	0.410	0.400	--	1.78	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1612018
Report Date: 04/29/16

SAMPLE RESULTS

Lab ID: L1612018-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 04/22/16 10:57
 Date Received: 04/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	85		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	83		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1612018
Report Date: 04/29/16

SAMPLE RESULTS

Lab ID: L1612018-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/28/16 22:35
 Analyst: RY

Date Collected: 04/22/16 10:57
 Date Received: 04/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.069	0.020	--	0.434	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.021	0.020	--	0.142	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	87		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	85		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1613007
Report Date: 05/06/16

SAMPLE RESULTS

Lab ID: L1613007-01
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 05/06/16 00:15
 Analyst: MB

Date Collected: 04/28/16 12:21
 Date Received: 04/29/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.399	0.200	--	1.97	0.989	--		1
Chloromethane	0.587	0.200	--	1.21	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	0.240	0.200	--	1.35	1.12	--		1
Isopropanol	0.612	0.500	--	1.50	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	3.03	0.500	--	10.5	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.548	0.500	--	1.62	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	1.20	0.500	--	3.54	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1613007
Report Date: 05/06/16

SAMPLE RESULTS

Lab ID: L1613007-01
Client ID: FAM-1
Sample Location: SUFFERN, NY

Date Collected: 04/28/16 12:21
Date Received: 04/29/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	0.265	0.200	--	0.934	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.361	0.200	--	1.48	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.257	0.200	--	0.969	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1613007
Report Date: 05/06/16

SAMPLE RESULTS

Lab ID: L1613007-01
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 04/28/16 12:21
 Date Received: 04/29/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	87		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1613007
Report Date: 05/06/16

SAMPLE RESULTS

Lab ID: L1613007-01
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 05/06/16 00:15
 Analyst: MB

Date Collected: 04/28/16 12:21
 Date Received: 04/29/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.068	0.020	--	0.428	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.029	0.020	--	0.197	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	90		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	90		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1613007
Report Date: 05/06/16

SAMPLE RESULTS

Lab ID: L1613007-02
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 05/06/16 00:49
 Analyst: MB

Date Collected: 04/28/16 12:38
 Date Received: 04/29/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.482	0.200	--	2.38	0.989	--		1
Chloromethane	0.566	0.200	--	1.17	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.48	1.00	--	5.89	2.38	--		1
Trichlorofluoromethane	0.274	0.200	--	1.54	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1613007
Report Date: 05/06/16

SAMPLE RESULTS

Lab ID: L1613007-02
Client ID: FAM-3
Sample Location: SUFFERN, NY

Date Collected: 04/28/16 12:38
Date Received: 04/29/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.238	0.200	--	0.897	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1613007
Report Date: 05/06/16

SAMPLE RESULTS

Lab ID: L1613007-02
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 04/28/16 12:38
 Date Received: 04/29/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	85		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1613007
Report Date: 05/06/16

SAMPLE RESULTS

Lab ID: L1613007-02
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 05/06/16 00:49
 Analyst: MB

Date Collected: 04/28/16 12:38
 Date Received: 04/29/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.069	0.020	--	0.434	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.026	0.020	--	0.176	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	89		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	88		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1613007
Report Date: 05/06/16

SAMPLE RESULTS

Lab ID: L1613007-03
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 05/06/16 01:24
 Analyst: MB

Date Collected: 04/29/16 07:10
 Date Received: 04/29/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.450	0.200	--	2.23	0.989	--		1
Chloromethane	0.659	0.200	--	1.36	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.29	1.00	--	7.82	2.38	--		1
Trichlorofluoromethane	0.237	0.200	--	1.33	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.510	0.500	--	1.77	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	1.06	0.500	--	3.13	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1613007
Report Date: 05/06/16

SAMPLE RESULTS

Lab ID: L1613007-03
Client ID: FAM-6
Sample Location: SUFFERN, NY

Date Collected: 04/29/16 07:10
Date Received: 04/29/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.515	0.200	--	1.94	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1613007
Report Date: 05/06/16

SAMPLE RESULTS

Lab ID: L1613007-03
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 04/29/16 07:10
 Date Received: 04/29/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	83		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1613007
Report Date: 05/06/16

SAMPLE RESULTS

Lab ID: L1613007-03
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 05/06/16 01:24
 Analyst: MB

Date Collected: 04/29/16 07:10
 Date Received: 04/29/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.068	0.020	--	0.428	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.330	0.020	--	2.24	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	90		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	88		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1613647
Report Date: 05/11/16

SAMPLE RESULTS

Lab ID: L1613647-01
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 05/10/16 21:17
 Analyst: RY

Date Collected: 05/05/16 12:14
 Date Received: 05/05/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.398	0.200	--	1.97	0.989	--		1
Chloromethane	0.614	0.200	--	1.27	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.66	1.00	--	3.94	2.38	--		1
Trichlorofluoromethane	0.233	0.200	--	1.31	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1613647
Report Date: 05/11/16

SAMPLE RESULTS

Lab ID: L1613647-01
Client ID: FAM-2
Sample Location: SUFFERN, NY

Date Collected: 05/05/16 12:14
Date Received: 05/05/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1613647
Report Date: 05/11/16

SAMPLE RESULTS

Lab ID: L1613647-01
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 05/05/16 12:14
 Date Received: 05/05/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	82		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	79		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1613647
Report Date: 05/11/16

SAMPLE RESULTS

Lab ID: L1613647-01
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 05/10/16 21:17
 Analyst: RY

Date Collected: 05/05/16 12:14
 Date Received: 05/05/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.070	0.020	--	0.440	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.020	0.020	--	0.136	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	84		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	81		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1613647
Report Date: 05/11/16

SAMPLE RESULTS

Lab ID: L1613647-02
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 05/10/16 21:51
 Analyst: RY

Date Collected: 05/05/16 11:54
 Date Received: 05/05/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.358	0.200	--	1.77	0.989	--		1
Chloromethane	0.569	0.200	--	1.18	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.89	1.00	--	4.49	2.38	--		1
Trichlorofluoromethane	0.236	0.200	--	1.33	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1613647
Report Date: 05/11/16

SAMPLE RESULTS

Lab ID: L1613647-02
Client ID: FAM-3
Sample Location: SUFFERN, NY

Date Collected: 05/05/16 11:54
Date Received: 05/05/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1613647
Report Date: 05/11/16

SAMPLE RESULTS

Lab ID: L1613647-02
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 05/05/16 11:54
 Date Received: 05/05/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	79		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	76		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1613647
Report Date: 05/11/16

SAMPLE RESULTS

Lab ID: L1613647-02
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 05/10/16 21:51
 Analyst: RY

Date Collected: 05/05/16 11:54
 Date Received: 05/05/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.071	0.020	--	0.447	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.022	0.020	--	0.149	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	82		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	78		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1613647
Report Date: 05/11/16

SAMPLE RESULTS

Lab ID: L1613647-03
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 05/10/16 22:26
 Analyst: RY

Date Collected: 05/05/16 12:05
 Date Received: 05/05/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.382	0.200	--	1.89	0.989	--		1
Chloromethane	0.586	0.200	--	1.21	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.50	1.00	--	5.94	2.38	--		1
Trichlorofluoromethane	0.223	0.200	--	1.25	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1613647
Report Date: 05/11/16

SAMPLE RESULTS

Lab ID: L1613647-03
Client ID: FAM-5
Sample Location: SUFFERN, NY

Date Collected: 05/05/16 12:05
Date Received: 05/05/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.217	0.200	--	0.818	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1613647
Report Date: 05/11/16

SAMPLE RESULTS

Lab ID: L1613647-03
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 05/05/16 12:05
 Date Received: 05/05/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	80		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	79		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1613647
Report Date: 05/11/16

SAMPLE RESULTS

Lab ID: L1613647-03
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 05/10/16 22:26
 Analyst: RY

Date Collected: 05/05/16 12:05
 Date Received: 05/05/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.070	0.020	--	0.440	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.022	0.020	--	0.149	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	83		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	82		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1615073
Report Date: 05/25/16

SAMPLE RESULTS

Lab ID: L1615073-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 05/23/16 17:56
 Analyst: MB

Date Collected: 05/18/16 12:06
 Date Received: 05/18/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.388	0.200	--	1.92	0.989	--		1
Chloromethane	0.614	0.200	--	1.27	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.68	1.00	--	8.74	2.38	--		1
Trichlorofluoromethane	0.251	0.200	--	1.41	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	2.62	0.500	--	9.10	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1615073
Report Date: 05/25/16

SAMPLE RESULTS

Lab ID: L1615073-01
Client ID: FAM-3
Sample Location: SUFFERN, NY

Date Collected: 05/18/16 12:06
Date Received: 05/18/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1615073
Report Date: 05/25/16

SAMPLE RESULTS

Lab ID: L1615073-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 05/18/16 12:06
 Date Received: 05/18/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	85		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1615073
Report Date: 05/25/16

SAMPLE RESULTS

Lab ID: L1615073-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 05/23/16 17:56
 Analyst: MB

Date Collected: 05/18/16 12:06
 Date Received: 05/18/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.084	0.020	--	0.528	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	87		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	84		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1615073
Report Date: 05/25/16

SAMPLE RESULTS

Lab ID: L1615073-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 05/23/16 18:31
 Analyst: MB

Date Collected: 05/18/16 12:15
 Date Received: 05/18/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.359	0.200	--	1.78	0.989	--		1
Chloromethane	0.605	0.200	--	1.25	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.58	1.00	--	6.13	2.38	--		1
Trichlorofluoromethane	0.227	0.200	--	1.28	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1615073
Report Date: 05/25/16

SAMPLE RESULTS

Lab ID: L1615073-02
Client ID: FAM-1
Sample Location: SUFFERN, NY

Date Collected: 05/18/16 12:15
Date Received: 05/18/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1615073
Report Date: 05/25/16

SAMPLE RESULTS

Lab ID: L1615073-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 05/18/16 12:15
 Date Received: 05/18/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	87		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1615073
Report Date: 05/25/16

SAMPLE RESULTS

Lab ID: L1615073-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 05/23/16 18:31
 Analyst: MB

Date Collected: 05/18/16 12:15
 Date Received: 05/18/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.085	0.020	--	0.535	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	87		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	87		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1615073
Report Date: 05/25/16

SAMPLE RESULTS

Lab ID: L1615073-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 05/23/16 19:39
 Analyst: MB

Date Collected: 05/18/16 12:24
 Date Received: 05/18/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.372	0.200	--	1.84	0.989	--		1
Chloromethane	0.622	0.200	--	1.28	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.81	1.00	--	9.05	2.38	--		1
Trichlorofluoromethane	0.223	0.200	--	1.25	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	3.44	0.500	--	12.0	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1615073
Report Date: 05/25/16

SAMPLE RESULTS

Lab ID: L1615073-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 05/18/16 12:24
 Date Received: 05/18/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1615073
Report Date: 05/25/16

SAMPLE RESULTS

Lab ID: L1615073-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 05/18/16 12:24
 Date Received: 05/18/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	86		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1615073
Report Date: 05/25/16

SAMPLE RESULTS

Lab ID: L1615073-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 05/23/16 19:39
 Analyst: MB

Date Collected: 05/18/16 12:24
 Date Received: 05/18/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.083	0.020	--	0.522	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	86		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	85		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1616055
Report Date: 06/01/16

SAMPLE RESULTS

Lab ID: L1616055-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 05/31/16 14:54
 Analyst: RY

Date Collected: 05/26/16 11:36
 Date Received: 05/26/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.303	0.200	--	1.50	0.989	--		1
Chloromethane	0.537	0.200	--	1.11	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	5.06	1.00	--	12.0	2.38	--		1
Trichlorofluoromethane	0.231	0.200	--	1.30	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1616055
Report Date: 06/01/16

SAMPLE RESULTS

Lab ID: L1616055-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 05/26/16 11:36
 Date Received: 05/26/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.280	0.200	--	1.06	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1616055
Report Date: 06/01/16

SAMPLE RESULTS

Lab ID: L1616055-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 05/26/16 11:36
 Date Received: 05/26/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	93		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1616055
Report Date: 06/01/16

SAMPLE RESULTS

Lab ID: L1616055-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 05/31/16 14:54
 Analyst: RY

Date Collected: 05/26/16 11:36
 Date Received: 05/26/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.068	0.020	--	0.428	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	91		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	93		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1616055
Report Date: 06/01/16

SAMPLE RESULTS

Lab ID: L1616055-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 05/31/16 15:26
 Analyst: RY

Date Collected: 05/26/16 11:49
 Date Received: 05/26/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.251	0.200	--	1.24	0.989	--		1
Chloromethane	0.517	0.200	--	1.07	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.70	1.00	--	8.79	2.38	--		1
Trichlorofluoromethane	0.214	0.200	--	1.20	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1616055
Report Date: 06/01/16

SAMPLE RESULTS

Lab ID: L1616055-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 05/26/16 11:49
 Date Received: 05/26/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1616055
Report Date: 06/01/16

SAMPLE RESULTS

Lab ID: L1616055-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 05/26/16 11:49
 Date Received: 05/26/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	94		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1616055
Report Date: 06/01/16

SAMPLE RESULTS

Lab ID: L1616055-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 05/31/16 15:26
 Analyst: RY

Date Collected: 05/26/16 11:49
 Date Received: 05/26/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.065	0.020	--	0.409	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.025	0.020	--	0.170	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	91		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	94		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1616055
Report Date: 06/01/16

SAMPLE RESULTS

Lab ID: L1616055-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 05/31/16 16:29
 Analyst: RY

Date Collected: 05/26/16 11:59
 Date Received: 05/26/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.220	0.200	--	1.09	0.989	--		1
Chloromethane	0.590	0.200	--	1.22	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.15	1.00	--	9.86	2.38	--		1
Trichlorofluoromethane	0.239	0.200	--	1.34	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1616055
Report Date: 06/01/16

SAMPLE RESULTS

Lab ID: L1616055-03
Client ID: FAM-2
Sample Location: SUFFERN, NY

Date Collected: 05/26/16 11:59
Date Received: 05/26/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	0.273	0.200	--	0.962	0.705	--		1
Benzene	0.518	0.200	--	1.65	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.75	0.200	--	6.59	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.426	0.200	--	1.85	0.869	--		1
p/m-Xylene	1.14	0.400	--	4.95	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.541	0.200	--	2.35	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1616055
Report Date: 06/01/16

SAMPLE RESULTS

Lab ID: L1616055-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 05/26/16 11:59
 Date Received: 05/26/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	90		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1616055
Report Date: 06/01/16

SAMPLE RESULTS

Lab ID: L1616055-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 05/31/16 16:29
 Analyst: RY

Date Collected: 05/26/16 11:59
 Date Received: 05/26/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.065	0.020	--	0.409	0.126	--		1
Trichloroethene	0.026	0.020	--	0.140	0.107	--		1
Tetrachloroethene	0.105	0.020	--	0.712	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	88		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	90		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1616960
Report Date: 06/07/16

SAMPLE RESULTS

Lab ID: L1616960-01
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 06/06/16 20:45
 Analyst: RY

Date Collected: 06/03/16 12:29
 Date Received: 06/03/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.360	0.200	--	1.78	0.989	--		1
Chloromethane	0.599	0.200	--	1.24	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.35	1.00	--	7.96	2.38	--		1
Trichlorofluoromethane	0.218	0.200	--	1.23	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1616960
Report Date: 06/07/16

SAMPLE RESULTS

Lab ID: L1616960-01
Client ID: FAM-6
Sample Location: SUFFERN, NY

Date Collected: 06/03/16 12:29
Date Received: 06/03/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1616960
Report Date: 06/07/16

SAMPLE RESULTS

Lab ID: L1616960-01
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 06/03/16 12:29
 Date Received: 06/03/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	83		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	89		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1616960
Report Date: 06/07/16

SAMPLE RESULTS

Lab ID: L1616960-01
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 06/06/16 20:45
 Analyst: RY

Date Collected: 06/03/16 12:29
 Date Received: 06/03/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.064	0.020	--	0.403	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.031	0.020	--	0.210	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	86		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	91		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1616960
Report Date: 06/07/16

SAMPLE RESULTS

Lab ID: L1616960-02
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 06/06/16 21:48
 Analyst: RY

Date Collected: 06/03/16 11:57
 Date Received: 06/03/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.254	0.200	--	1.26	0.989	--		1
Chloromethane	0.557	0.200	--	1.15	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.52	1.00	--	8.36	2.38	--		1
Trichlorofluoromethane	0.219	0.200	--	1.23	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1616960
Report Date: 06/07/16

SAMPLE RESULTS

Lab ID: L1616960-02
Client ID: FAM-3
Sample Location: SUFFERN, NY

Date Collected: 06/03/16 11:57
Date Received: 06/03/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1616960
Report Date: 06/07/16

SAMPLE RESULTS

Lab ID: L1616960-02
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 06/03/16 11:57
 Date Received: 06/03/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	80		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	86		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1616960
Report Date: 06/07/16

SAMPLE RESULTS

Lab ID: L1616960-02
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 06/06/16 21:48
 Analyst: RY

Date Collected: 06/03/16 11:57
 Date Received: 06/03/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.066	0.020	--	0.415	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.029	0.020	--	0.197	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	82		60-140
bromochloromethane	87		60-140
chlorobenzene-d5	87		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1616960
Report Date: 06/07/16

SAMPLE RESULTS

Lab ID: L1616960-03
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 06/06/16 22:20
 Analyst: RY

Date Collected: 06/03/16 12:16
 Date Received: 06/03/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.248	0.200	--	1.23	0.989	--		1
Chloromethane	0.555	0.200	--	1.15	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.35	1.00	--	7.96	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1616960
Report Date: 06/07/16

SAMPLE RESULTS

Lab ID: L1616960-03
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 06/03/16 12:16
 Date Received: 06/03/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1616960
Report Date: 06/07/16

SAMPLE RESULTS

Lab ID: L1616960-03
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 06/03/16 12:16
 Date Received: 06/03/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	80		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	87		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1616960
Report Date: 06/07/16

SAMPLE RESULTS

Lab ID: L1616960-03
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 06/06/16 22:20
 Analyst: RY

Date Collected: 06/03/16 12:16
 Date Received: 06/03/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.066	0.020	--	0.415	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.037	0.020	--	0.251	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	82		60-140
bromochloromethane	87		60-140
chlorobenzene-d5	88		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1617662
Report Date: 06/14/16

SAMPLE RESULTS

Lab ID: L1617662-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 06/11/16 16:15
 Analyst: MR

Date Collected: 06/09/16 12:04
 Date Received: 06/09/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.255	0.200	--	1.26	0.989	--		1
Chloromethane	0.518	0.200	--	1.07	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.75	1.00	--	4.16	2.38	--		1
Trichlorofluoromethane	0.217	0.200	--	1.22	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1617662
Report Date: 06/14/16

SAMPLE RESULTS

Lab ID: L1617662-01
Client ID: FAM-3
Sample Location: SUFFERN, NY

Date Collected: 06/09/16 12:04
Date Received: 06/09/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1617662
Report Date: 06/14/16

SAMPLE RESULTS

Lab ID: L1617662-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 06/09/16 12:04
 Date Received: 06/09/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	86		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	91		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1617662
Report Date: 06/14/16

SAMPLE RESULTS

Lab ID: L1617662-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 06/11/16 16:15
 Analyst: MR

Date Collected: 06/09/16 12:04
 Date Received: 06/09/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.067	0.020	--	0.421	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	88		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	92		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1617662
Report Date: 06/14/16

SAMPLE RESULTS

Lab ID: L1617662-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 06/11/16 16:47
 Analyst: MR

Date Collected: 06/09/16 12:19
 Date Received: 06/09/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.208	0.200	--	1.03	0.989	--		1
Chloromethane	0.570	0.200	--	1.18	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.84	1.00	--	4.37	2.38	--		1
Trichlorofluoromethane	0.220	0.200	--	1.24	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1617662
Report Date: 06/14/16

SAMPLE RESULTS

Lab ID: L1617662-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 06/09/16 12:19
 Date Received: 06/09/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1617662
Report Date: 06/14/16

SAMPLE RESULTS

Lab ID: L1617662-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 06/09/16 12:19
 Date Received: 06/09/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	82		60-140
Bromochloromethane	84		60-140
chlorobenzene-d5	85		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1617662
Report Date: 06/14/16

SAMPLE RESULTS

Lab ID: L1617662-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 06/11/16 16:47
 Analyst: MR

Date Collected: 06/09/16 12:19
 Date Received: 06/09/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.068	0.020	--	0.428	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.027	0.020	--	0.183	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	83		60-140
bromochloromethane	87		60-140
chlorobenzene-d5	86		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1617662
Report Date: 06/14/16

SAMPLE RESULTS

Lab ID: L1617662-03
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 06/11/16 17:18
 Analyst: MR

Date Collected: 06/09/16 12:12
 Date Received: 06/09/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.239	0.200	--	1.18	0.989	--		1
Chloromethane	0.595	0.200	--	1.23	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.78	1.00	--	4.23	2.38	--		1
Trichlorofluoromethane	0.224	0.200	--	1.26	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1617662
Report Date: 06/14/16

SAMPLE RESULTS

Lab ID: L1617662-03
Client ID: FAM-5
Sample Location: SUFFERN, NY

Date Collected: 06/09/16 12:12
Date Received: 06/09/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1617662
Report Date: 06/14/16

SAMPLE RESULTS

Lab ID: L1617662-03
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 06/09/16 12:12
 Date Received: 06/09/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	81		60-140
Bromochloromethane	83		60-140
chlorobenzene-d5	82		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1617662
Report Date: 06/14/16

SAMPLE RESULTS

Lab ID: L1617662-03
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 06/11/16 17:18
 Analyst: MR

Date Collected: 06/09/16 12:12
 Date Received: 06/09/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.068	0.020	--	0.428	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	82		60-140
bromochloromethane	86		60-140
chlorobenzene-d5	83		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1618320
Report Date: 06/22/16

SAMPLE RESULTS

Lab ID: L1618320-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 06/20/16 14:56
 Analyst: MB

Date Collected: 06/15/16 11:07
 Date Received: 06/15/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloromethane	0.449	0.200	--	0.927	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.60	1.00	--	6.18	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1618320
Report Date: 06/22/16

SAMPLE RESULTS

Lab ID: L1618320-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 06/15/16 11:07
 Date Received: 06/15/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1618320
Report Date: 06/22/16

SAMPLE RESULTS

Lab ID: L1618320-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 06/15/16 11:07
 Date Received: 06/15/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	92		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1618320
Report Date: 06/22/16

SAMPLE RESULTS

Lab ID: L1618320-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 06/20/16 14:56
 Analyst: MB

Date Collected: 06/15/16 11:07
 Date Received: 06/15/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.226	0.200	--	1.12	0.989	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.085	0.020	--	0.535	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	88		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	95		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1618320
Report Date: 06/22/16

SAMPLE RESULTS

Lab ID: L1618320-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 06/20/16 15:31
 Analyst: MB

Date Collected: 06/15/16 11:19
 Date Received: 06/15/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloromethane	0.469	0.200	--	0.968	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.47	1.00	--	8.24	2.38	--		1
Trichlorofluoromethane	0.218	0.200	--	1.23	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1618320
Report Date: 06/22/16

SAMPLE RESULTS

Lab ID: L1618320-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 06/15/16 11:19
 Date Received: 06/15/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1618320
Report Date: 06/22/16

SAMPLE RESULTS

Lab ID: L1618320-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 06/15/16 11:19
 Date Received: 06/15/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	83		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	78		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1618320
Report Date: 06/22/16

SAMPLE RESULTS

Lab ID: L1618320-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 06/20/16 15:31
 Analyst: MB

Date Collected: 06/15/16 11:19
 Date Received: 06/15/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.255	0.200	--	1.26	0.989	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.089	0.020	--	0.560	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	82		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	80		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1618320
Report Date: 06/22/16

SAMPLE RESULTS

Lab ID: L1618320-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 06/20/16 16:06
 Analyst: MB

Date Collected: 06/15/16 11:31
 Date Received: 06/15/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloromethane	0.476	0.200	--	0.983	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.06	1.00	--	4.89	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1618320
Report Date: 06/22/16

SAMPLE RESULTS

Lab ID: L1618320-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 06/15/16 11:31
 Date Received: 06/15/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1618320
Report Date: 06/22/16

SAMPLE RESULTS

Lab ID: L1618320-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 06/15/16 11:31
 Date Received: 06/15/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	82		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	79		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1618320
Report Date: 06/22/16

SAMPLE RESULTS

Lab ID: L1618320-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 06/20/16 16:06
 Analyst: MB

Date Collected: 06/15/16 11:31
 Date Received: 06/15/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.291	0.200	--	1.44	0.989	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.090	0.020	--	0.566	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	81		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	81		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1619439
Report Date: 06/30/16

SAMPLE RESULTS

Lab ID: L1619439-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 06/29/16 15:46
 Analyst: MB

Date Collected: 06/23/16 11:47
 Date Received: 06/23/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.383	0.200	--	1.89	0.989	--		1
Chloromethane	0.519	0.200	--	1.07	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.77	1.00	--	8.96	2.38	--		1
Trichlorofluoromethane	0.219	0.200	--	1.23	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1619439
Report Date: 06/30/16

SAMPLE RESULTS

Lab ID: L1619439-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 06/23/16 11:47
 Date Received: 06/23/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.231	0.200	--	0.871	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1619439
Report Date: 06/30/16

SAMPLE RESULTS

Lab ID: L1619439-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 06/23/16 11:47
 Date Received: 06/23/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	94		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1619439
Report Date: 06/30/16

SAMPLE RESULTS

Lab ID: L1619439-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 06/29/16 15:46
 Analyst: MB

Date Collected: 06/23/16 11:47
 Date Received: 06/23/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.071	0.020	--	0.447	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	92		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1619439
Report Date: 06/30/16

SAMPLE RESULTS

Lab ID: L1619439-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 06/29/16 16:21
 Analyst: MB

Date Collected: 06/23/16 11:52
 Date Received: 06/23/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.402	0.200	--	1.99	0.989	--		1
Chloromethane	0.548	0.200	--	1.13	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.28	1.00	--	7.79	2.38	--		1
Trichlorofluoromethane	0.231	0.200	--	1.30	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1619439
Report Date: 06/30/16

SAMPLE RESULTS

Lab ID: L1619439-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 06/23/16 11:52
 Date Received: 06/23/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.202	0.200	--	0.761	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1619439
Report Date: 06/30/16

SAMPLE RESULTS

Lab ID: L1619439-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 06/23/16 11:52
 Date Received: 06/23/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	86		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1619439
Report Date: 06/30/16

SAMPLE RESULTS

Lab ID: L1619439-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 06/29/16 16:21
 Analyst: MB

Date Collected: 06/23/16 11:52
 Date Received: 06/23/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.073	0.020	--	0.459	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	88		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	85		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1619439
Report Date: 06/30/16

SAMPLE RESULTS

Lab ID: L1619439-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 06/29/16 17:32
 Analyst: MB

Date Collected: 06/23/16 12:00
 Date Received: 06/23/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.341	0.200	--	1.69	0.989	--		1
Chloromethane	0.576	0.200	--	1.19	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.68	1.00	--	8.74	2.38	--		1
Trichlorofluoromethane	0.244	0.200	--	1.37	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1619439
Report Date: 06/30/16

SAMPLE RESULTS

Lab ID: L1619439-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 06/23/16 12:00
 Date Received: 06/23/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.262	0.200	--	0.987	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1619439
Report Date: 06/30/16

SAMPLE RESULTS

Lab ID: L1619439-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 06/23/16 12:00
 Date Received: 06/23/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	84		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	79		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1619439
Report Date: 06/30/16

SAMPLE RESULTS

Lab ID: L1619439-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 06/29/16 17:32
 Analyst: MB

Date Collected: 06/23/16 12:00
 Date Received: 06/23/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.073	0.020	--	0.459	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	84		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	79		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1620307
Report Date: 07/07/16

SAMPLE RESULTS

Lab ID: L1620307-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 07/06/16 20:17
 Analyst: RY

Date Collected: 06/30/16 13:00
 Date Received: 06/30/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.338	0.200	--	1.67	0.989	--		1
Chloromethane	0.597	0.200	--	1.23	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.06	1.00	--	7.27	2.38	--		1
Trichlorofluoromethane	0.247	0.200	--	1.39	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1620307
Report Date: 07/07/16

SAMPLE RESULTS

Lab ID: L1620307-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 06/30/16 13:00
 Date Received: 06/30/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1620307
Report Date: 07/07/16

SAMPLE RESULTS

Lab ID: L1620307-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 06/30/16 13:00
 Date Received: 06/30/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	83		60-140
Bromochloromethane	87		60-140
chlorobenzene-d5	76		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1620307
Report Date: 07/07/16

SAMPLE RESULTS

Lab ID: L1620307-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 07/06/16 20:17
 Analyst: RY

Date Collected: 06/30/16 13:00
 Date Received: 06/30/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.075	0.020	--	0.472	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	82		60-140
bromochloromethane	87		60-140
chlorobenzene-d5	80		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1620307
Report Date: 07/07/16

SAMPLE RESULTS

Lab ID: L1620307-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 07/06/16 20:52
 Analyst: RY

Date Collected: 06/30/16 13:06
 Date Received: 06/30/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.355	0.200	--	1.76	0.989	--		1
Chloromethane	0.600	0.200	--	1.24	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	5.11	5.00	--	9.63	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	6.68	1.00	--	15.9	2.38	--		1
Trichlorofluoromethane	0.238	0.200	--	1.34	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.573	0.500	--	1.69	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1620307
Report Date: 07/07/16

SAMPLE RESULTS

Lab ID: L1620307-02
Client ID: FAM-1
Sample Location: SUFFERN, NY

Date Collected: 06/30/16 13:06
Date Received: 06/30/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1620307
Report Date: 07/07/16

SAMPLE RESULTS

Lab ID: L1620307-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 06/30/16 13:06
 Date Received: 06/30/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	83		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	77		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1620307
Report Date: 07/07/16

SAMPLE RESULTS

Lab ID: L1620307-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 07/06/16 20:52
 Analyst: RY

Date Collected: 06/30/16 13:06
 Date Received: 06/30/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.077	0.020	--	0.484	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	83		60-140
bromochloromethane	87		60-140
chlorobenzene-d5	81		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1620307
Report Date: 07/07/16

SAMPLE RESULTS

Lab ID: L1620307-03
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 07/06/16 22:03
 Analyst: RY

Date Collected: 06/30/16 13:04
 Date Received: 06/30/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.283	0.200	--	1.40	0.989	--		1
Chloromethane	0.578	0.200	--	1.19	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.21	1.00	--	7.63	2.38	--		1
Trichlorofluoromethane	0.239	0.200	--	1.34	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1620307
Report Date: 07/07/16

SAMPLE RESULTS

Lab ID: L1620307-03
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 06/30/16 13:04
 Date Received: 06/30/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1620307
Report Date: 07/07/16

SAMPLE RESULTS

Lab ID: L1620307-03
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 06/30/16 13:04
 Date Received: 06/30/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	82		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	74		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1620307
Report Date: 07/07/16

SAMPLE RESULTS

Lab ID: L1620307-03
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 07/06/16 22:03
 Analyst: RY

Date Collected: 06/30/16 13:04
 Date Received: 06/30/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.077	0.020	--	0.484	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	81		60-140
bromochloromethane	85		60-140
chlorobenzene-d5	78		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1620901
Report Date: 07/14/16

SAMPLE RESULTS

Lab ID: L1620901-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 07/13/16 10:15
 Analyst: MR

Date Collected: 07/07/16 12:37
 Date Received: 07/07/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.272	0.200	--	1.34	0.989	--		1
Chloromethane	0.605	0.200	--	1.25	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	5.42	1.00	--	12.9	2.38	--		1
Trichlorofluoromethane	0.239	0.200	--	1.34	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1620901
Report Date: 07/14/16

SAMPLE RESULTS

Lab ID: L1620901-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 07/07/16 12:37
 Date Received: 07/07/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1620901
Report Date: 07/14/16

SAMPLE RESULTS

Lab ID: L1620901-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 07/07/16 12:37
 Date Received: 07/07/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	64		60-140
Bromochloromethane	69		60-140
chlorobenzene-d5	63		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1620901
Report Date: 07/14/16

SAMPLE RESULTS

Lab ID: L1620901-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 07/13/16 10:15
 Analyst: MR

Date Collected: 07/07/16 12:37
 Date Received: 07/07/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.081	0.020	--	0.510	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	69		60-140
bromochloromethane	77		60-140
chlorobenzene-d5	71		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1620901
Report Date: 07/14/16

SAMPLE RESULTS

Lab ID: L1620901-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 07/12/16 20:52
 Analyst: MR

Date Collected: 07/07/16 12:44
 Date Received: 07/07/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.307	0.200	--	1.52	0.989	--		1
Chloromethane	0.613	0.200	--	1.27	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	7.57	1.00	--	18.0	2.38	--		1
Trichlorofluoromethane	0.217	0.200	--	1.22	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1620901
Report Date: 07/14/16

SAMPLE RESULTS

Lab ID: L1620901-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 07/07/16 12:44
 Date Received: 07/07/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.250	0.200	--	0.942	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1620901
Report Date: 07/14/16

SAMPLE RESULTS

Lab ID: L1620901-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 07/07/16 12:44
 Date Received: 07/07/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	61		60-140
Bromochloromethane	67		60-140
chlorobenzene-d5	61		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1620901
Report Date: 07/14/16

SAMPLE RESULTS

Lab ID: L1620901-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 07/12/16 20:52
 Analyst: MR

Date Collected: 07/07/16 12:44
 Date Received: 07/07/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.081	0.020	--	0.510	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	66		60-140
bromochloromethane	75		60-140
chlorobenzene-d5	69		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1620901
Report Date: 07/14/16

SAMPLE RESULTS

Lab ID: L1620901-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 07/13/16 10:50
 Analyst: MR

Date Collected: 07/07/16 12:49
 Date Received: 07/07/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.323	0.200	--	1.60	0.989	--		1
Chloromethane	0.583	0.200	--	1.20	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.70	1.00	--	11.2	2.38	--		1
Trichlorofluoromethane	0.233	0.200	--	1.31	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.695	0.500	--	2.41	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1620901
Report Date: 07/14/16

SAMPLE RESULTS

Lab ID: L1620901-03
Client ID: FAM-2
Sample Location: SUFFERN, NY

Date Collected: 07/07/16 12:49
Date Received: 07/07/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1620901
Report Date: 07/14/16

SAMPLE RESULTS

Lab ID: L1620901-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 07/07/16 12:49
 Date Received: 07/07/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	63		60-140
Bromochloromethane	68		60-140
chlorobenzene-d5	61		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1620901
Report Date: 07/14/16

SAMPLE RESULTS

Lab ID: L1620901-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 07/13/16 10:50
 Analyst: MR

Date Collected: 07/07/16 12:49
 Date Received: 07/07/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.077	0.020	--	0.484	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	67		60-140
bromochloromethane	75		60-140
chlorobenzene-d5	69		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1621851
Report Date: 07/21/16

SAMPLE RESULTS

Lab ID: L1621851-01
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 07/18/16 23:45
 Analyst: MB

Date Collected: 07/14/16 12:28
 Date Received: 07/14/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloromethane	0.575	0.200	--	1.19	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.90	1.00	--	9.26	2.38	--		1
Trichlorofluoromethane	0.207	0.200	--	1.16	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1621851
Report Date: 07/21/16

SAMPLE RESULTS

Lab ID: L1621851-01
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 07/14/16 12:28
 Date Received: 07/14/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Benzene	0.475	0.200	--	1.52	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.52	0.200	--	5.73	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.352	0.200	--	1.53	0.869	--		1
p/m-Xylene	0.946	0.400	--	4.11	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.405	0.200	--	1.76	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1621851
Report Date: 07/21/16

SAMPLE RESULTS

Lab ID: L1621851-01
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 07/14/16 12:28
 Date Received: 07/14/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	81		60-140
Bromochloromethane	83		60-140
chlorobenzene-d5	83		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1621851
Report Date: 07/21/16

SAMPLE RESULTS

Lab ID: L1621851-01
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 07/18/16 23:45
 Analyst: MB

Date Collected: 07/14/16 12:28
 Date Received: 07/14/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.335	0.200	--	1.66	0.989	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.072	0.020	--	0.453	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	83		60-140
bromochloromethane	86		60-140
chlorobenzene-d5	87		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1621851
Report Date: 07/21/16

SAMPLE RESULTS

Lab ID: L1621851-02
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 07/19/16 00:48
 Analyst: MB

Date Collected: 07/14/16 12:33
 Date Received: 07/14/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloromethane	0.527	0.200	--	1.09	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.93	1.00	--	9.34	2.38	--		1
Trichlorofluoromethane	0.215	0.200	--	1.21	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	0.256	0.200	--	1.04	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1621851
Report Date: 07/21/16

SAMPLE RESULTS

Lab ID: L1621851-02
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 07/14/16 12:33
 Date Received: 07/14/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.254	0.200	--	0.957	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1621851
Report Date: 07/21/16

SAMPLE RESULTS

Lab ID: L1621851-02
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 07/14/16 12:33
 Date Received: 07/14/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	83		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	89		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1621851
Report Date: 07/21/16

SAMPLE RESULTS

Lab ID: L1621851-02
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 07/19/16 00:48
 Analyst: MB

Date Collected: 07/14/16 12:33
 Date Received: 07/14/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.388	0.200	--	1.92	0.989	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.073	0.020	--	0.459	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	85		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	92		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1621851
Report Date: 07/21/16

SAMPLE RESULTS

Lab ID: L1621851-03
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 07/19/16 01:19
 Analyst: MB

Date Collected: 07/14/16 12:23
 Date Received: 07/14/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloromethane	0.581	0.200	--	1.20	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.61	1.00	--	8.58	2.38	--		1
Trichlorofluoromethane	0.222	0.200	--	1.25	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1621851
Report Date: 07/21/16

SAMPLE RESULTS

Lab ID: L1621851-03
Client ID: FAM-3
Sample Location: SUFFERN, NY

Date Collected: 07/14/16 12:23
Date Received: 07/14/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1621851
Report Date: 07/21/16

SAMPLE RESULTS

Lab ID: L1621851-03
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 07/14/16 12:23
 Date Received: 07/14/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	84		60-140
Bromochloromethane	84		60-140
chlorobenzene-d5	84		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1621851
Report Date: 07/21/16

SAMPLE RESULTS

Lab ID: L1621851-03
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 07/19/16 01:19
 Analyst: MB

Date Collected: 07/14/16 12:23
 Date Received: 07/14/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.340	0.200	--	1.68	0.989	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.073	0.020	--	0.459	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	85		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	88		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1622923
Report Date: 07/28/16

SAMPLE RESULTS

Lab ID: L1622923-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 07/27/16 00:55
 Analyst: MB

Date Collected: 07/22/16 13:37
 Date Received: 07/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.435	0.200	--	2.15	0.989	--		1
Chloromethane	0.515	0.200	--	1.06	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.94	1.00	--	11.7	2.38	--		1
Trichlorofluoromethane	0.219	0.200	--	1.23	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1622923
Report Date: 07/28/16

SAMPLE RESULTS

Lab ID: L1622923-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 07/22/16 13:37
 Date Received: 07/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.250	0.200	--	0.942	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1622923
Report Date: 07/28/16

SAMPLE RESULTS

Lab ID: L1622923-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 07/22/16 13:37
 Date Received: 07/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	85		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	87		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1622923
Report Date: 07/28/16

SAMPLE RESULTS

Lab ID: L1622923-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 07/27/16 00:55
 Analyst: MB

Date Collected: 07/22/16 13:37
 Date Received: 07/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.076	0.020	--	0.478	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	86		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	90		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1622923
Report Date: 07/28/16

SAMPLE RESULTS

Lab ID: L1622923-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 07/27/16 01:58
 Analyst: MB

Date Collected: 07/22/16 13:40
 Date Received: 07/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.390	0.200	--	1.93	0.989	--		1
Chloromethane	0.564	0.200	--	1.16	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	5.40	1.00	--	12.8	2.38	--		1
Trichlorofluoromethane	0.228	0.200	--	1.28	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1622923
Report Date: 07/28/16

SAMPLE RESULTS

Lab ID: L1622923-02
Client ID: FAM-6
Sample Location: SUFFERN, NY

Date Collected: 07/22/16 13:40
Date Received: 07/22/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.742	0.200	--	2.37	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.636	0.200	--	2.40	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	0.414	0.400	--	1.80	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1622923
Report Date: 07/28/16

SAMPLE RESULTS

Lab ID: L1622923-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 07/22/16 13:40
 Date Received: 07/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	82		60-140
Bromochloromethane	83		60-140
chlorobenzene-d5	84		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1622923
Report Date: 07/28/16

SAMPLE RESULTS

Lab ID: L1622923-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 07/27/16 01:58
 Analyst: MB

Date Collected: 07/22/16 13:40
 Date Received: 07/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.076	0.020	--	0.478	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.021	0.020	--	0.142	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	82		60-140
bromochloromethane	85		60-140
chlorobenzene-d5	87		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1622923
Report Date: 07/28/16

SAMPLE RESULTS

Lab ID: L1622923-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 07/27/16 02:30
 Analyst: MB

Date Collected: 07/22/16 13:45
 Date Received: 07/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.397	0.200	--	1.96	0.989	--		1
Chloromethane	0.552	0.200	--	1.14	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.99	1.00	--	9.48	2.38	--		1
Trichlorofluoromethane	0.228	0.200	--	1.28	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1622923
Report Date: 07/28/16

SAMPLE RESULTS

Lab ID: L1622923-03
Client ID: FAM-2
Sample Location: SUFFERN, NY

Date Collected: 07/22/16 13:45
Date Received: 07/22/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.573	0.200	--	1.83	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	2.16	0.200	--	8.14	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.541	0.200	--	2.35	0.869	--		1
p/m-Xylene	1.46	0.400	--	6.34	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.702	0.200	--	3.05	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1622923
Report Date: 07/28/16

SAMPLE RESULTS

Lab ID: L1622923-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 07/22/16 13:45
 Date Received: 07/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	82		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	85		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1622923
Report Date: 07/28/16

SAMPLE RESULTS

Lab ID: L1622923-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 07/27/16 02:30
 Analyst: MB

Date Collected: 07/22/16 13:45
 Date Received: 07/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.074	0.020	--	0.465	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.023	0.020	--	0.156	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	84		60-140
bromochloromethane	87		60-140
chlorobenzene-d5	88		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1624331
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1624331-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 08/10/16 23:56
 Analyst: RY

Date Collected: 08/04/16 13:31
 Date Received: 08/04/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.537	0.200	--	2.66	0.989	--		1
Chloromethane	0.429	0.200	--	0.886	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.34	1.00	--	5.56	2.38	--		1
Trichlorofluoromethane	0.253	0.200	--	1.42	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1624331
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1624331-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 08/04/16 13:31
 Date Received: 08/04/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1624331
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1624331-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 08/04/16 13:31
 Date Received: 08/04/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	88		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1624331
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1624331-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 08/10/16 23:56
 Analyst: RY

Date Collected: 08/04/16 13:31
 Date Received: 08/04/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.073	0.020	--	0.459	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.024	0.020	--	0.163	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	86		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	101		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1624331
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1624331-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 08/11/16 00:29
 Analyst: RY

Date Collected: 08/04/16 13:52
 Date Received: 08/04/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.495	0.200	--	2.45	0.989	--		1
Chloromethane	0.508	0.200	--	1.05	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.31	1.00	--	10.2	2.38	--		1
Trichlorofluoromethane	0.281	0.200	--	1.58	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	1.57	0.500	--	5.45	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1624331
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1624331-02
Client ID: FAM-6
Sample Location: SUFFERN, NY

Date Collected: 08/04/16 13:52
Date Received: 08/04/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	2.54	0.200	--	8.11	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.92	0.200	--	7.24	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	0.721	0.400	--	3.13	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.274	0.200	--	1.19	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1624331
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1624331-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 08/04/16 13:52
 Date Received: 08/04/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	82		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	77		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1624331
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1624331-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 08/11/16 00:29
 Analyst: RY

Date Collected: 08/04/16 13:52
 Date Received: 08/04/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.075	0.020	--	0.472	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.021	0.020	--	0.142	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	80		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	88		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1624331
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1624331-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 08/11/16 01:36
 Analyst: RY

Date Collected: 08/04/16 13:44
 Date Received: 08/04/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.473	0.200	--	2.34	0.989	--		1
Chloromethane	0.405	0.200	--	0.836	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.37	1.00	--	5.63	2.38	--		1
Trichlorofluoromethane	0.219	0.200	--	1.23	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1624331
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1624331-03
Client ID: FAM-2
Sample Location: SUFFERN, NY

Date Collected: 08/04/16 13:44
Date Received: 08/04/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.262	0.200	--	0.837	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.276	0.200	--	1.04	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1624331
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1624331-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 08/04/16 13:44
 Date Received: 08/04/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	103		60-140
Bromochloromethane	104		60-140
chlorobenzene-d5	99		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1624331
Report Date: 08/11/16

SAMPLE RESULTS

Lab ID: L1624331-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 08/11/16 01:36
 Analyst: RY

Date Collected: 08/04/16 13:44
 Date Received: 08/04/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.060	0.020	--	0.377	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.020	0.020	--	0.136	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	100		60-140
bromochloromethane	106		60-140
chlorobenzene-d5	113		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1625211
Report Date: 08/16/16

SAMPLE RESULTS

Lab ID: L1625211-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 08/16/16 01:23
 Analyst: MB

Date Collected: 08/11/16 12:12
 Date Received: 08/11/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloromethane	0.607	0.200	--	1.25	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	6.94	5.00	--	13.1	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.90	1.00	--	9.26	2.38	--		1
Trichlorofluoromethane	0.261	0.200	--	1.47	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.908	0.500	--	2.68	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1625211
Report Date: 08/16/16

SAMPLE RESULTS

Lab ID: L1625211-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 08/11/16 12:12
 Date Received: 08/11/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.389	0.200	--	1.47	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1625211
Report Date: 08/16/16

SAMPLE RESULTS

Lab ID: L1625211-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 08/11/16 12:12
 Date Received: 08/11/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	78		60-140
Bromochloromethane	82		60-140
chlorobenzene-d5	73		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1625211
Report Date: 08/16/16

SAMPLE RESULTS

Lab ID: L1625211-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 08/16/16 01:23
 Analyst: MB

Date Collected: 08/11/16 12:12
 Date Received: 08/11/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.714	0.200	--	3.53	0.989	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.092	0.020	--	0.579	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	76		60-140
bromochloromethane	81		60-140
chlorobenzene-d5	72		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1625211
Report Date: 08/16/16

SAMPLE RESULTS

Lab ID: L1625211-02 D
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 08/16/16 02:32
 Analyst: MB

Date Collected: 08/11/16 13:34
 Date Received: 08/11/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloromethane	ND	0.733	--	ND	1.51	--		3.667
Freon-114	ND	0.733	--	ND	5.12	--		3.667
1,3-Butadiene	ND	0.733	--	ND	1.62	--		3.667
Bromomethane	ND	0.733	--	ND	2.85	--		3.667
Chloroethane	ND	0.733	--	ND	1.93	--		3.667
Ethanol	ND	18.3	--	ND	34.5	--		3.667
Vinyl bromide	ND	0.733	--	ND	3.20	--		3.667
Acetone	5.07	3.67	--	12.0	8.72	--		3.667
Trichlorofluoromethane	ND	0.733	--	ND	4.12	--		3.667
Isopropanol	ND	1.83	--	ND	4.50	--		3.667
Tertiary butyl Alcohol	ND	1.83	--	ND	5.55	--		3.667
Methylene chloride	ND	1.83	--	ND	6.36	--		3.667
3-Chloropropene	ND	0.733	--	ND	2.29	--		3.667
Carbon disulfide	ND	0.733	--	ND	2.28	--		3.667
Freon-113	ND	0.733	--	ND	5.62	--		3.667
trans-1,2-Dichloroethene	ND	0.733	--	ND	2.91	--		3.667
1,1-Dichloroethane	ND	0.733	--	ND	2.97	--		3.667
Methyl tert butyl ether	ND	0.733	--	ND	2.64	--		3.667
2-Butanone	ND	1.83	--	ND	5.40	--		3.667
Ethyl Acetate	ND	1.83	--	ND	6.59	--		3.667
Chloroform	ND	0.733	--	ND	3.58	--		3.667
Tetrahydrofuran	ND	1.83	--	ND	5.40	--		3.667
1,2-Dichloroethane	ND	0.733	--	ND	2.97	--		3.667
n-Hexane	ND	0.733	--	ND	2.58	--		3.667



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1625211
Report Date: 08/16/16

SAMPLE RESULTS

Lab ID: L1625211-02 D
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 08/11/16 13:34
 Date Received: 08/11/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Benzene	ND	0.733	--	ND	2.34	--		3.667
Cyclohexane	ND	0.733	--	ND	2.52	--		3.667
1,2-Dichloropropane	ND	0.733	--	ND	3.39	--		3.667
Bromodichloromethane	ND	0.733	--	ND	4.91	--		3.667
1,4-Dioxane	ND	0.733	--	ND	2.64	--		3.667
2,2,4-Trimethylpentane	ND	0.733	--	ND	3.42	--		3.667
Heptane	ND	0.733	--	ND	3.00	--		3.667
cis-1,3-Dichloropropene	ND	0.733	--	ND	3.33	--		3.667
4-Methyl-2-pentanone	ND	1.83	--	ND	7.50	--		3.667
trans-1,3-Dichloropropene	ND	0.733	--	ND	3.33	--		3.667
1,1,2-Trichloroethane	ND	0.733	--	ND	4.00	--		3.667
Toluene	ND	0.733	--	ND	2.76	--		3.667
2-Hexanone	ND	0.733	--	ND	3.00	--		3.667
Dibromochloromethane	ND	0.733	--	ND	6.24	--		3.667
1,2-Dibromoethane	ND	0.733	--	ND	5.63	--		3.667
Chlorobenzene	ND	0.733	--	ND	3.38	--		3.667
Ethylbenzene	ND	0.733	--	ND	3.18	--		3.667
p/m-Xylene	ND	1.47	--	ND	6.39	--		3.667
Bromoform	ND	0.733	--	ND	7.58	--		3.667
Styrene	ND	0.733	--	ND	3.12	--		3.667
1,1,2,2-Tetrachloroethane	ND	0.733	--	ND	5.03	--		3.667
o-Xylene	ND	0.733	--	ND	3.18	--		3.667
4-Ethyltoluene	ND	0.733	--	ND	3.60	--		3.667
1,3,5-Trimethylbenzene	ND	0.733	--	ND	3.60	--		3.667
1,2,4-Trimethylbenzene	ND	0.733	--	ND	3.60	--		3.667
Benzyl chloride	ND	0.733	--	ND	3.80	--		3.667
1,3-Dichlorobenzene	ND	0.733	--	ND	4.41	--		3.667
1,4-Dichlorobenzene	ND	0.733	--	ND	4.41	--		3.667



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1625211
Report Date: 08/16/16

SAMPLE RESULTS

Lab ID: L1625211-02 D
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 08/11/16 13:34
 Date Received: 08/11/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichlorobenzene	ND	0.733	--	ND	4.41	--		3.667
1,2,4-Trichlorobenzene	ND	0.733	--	ND	5.44	--		3.667
Hexachlorobutadiene	ND	0.733	--	ND	7.82	--		3.667

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	72		60-140
Bromochloromethane	77		60-140
chlorobenzene-d5	65		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1625211
Report Date: 08/16/16

SAMPLE RESULTS

Lab ID: L1625211-02 D
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 08/16/16 02:32
 Analyst: MB

Date Collected: 08/11/16 13:34
 Date Received: 08/11/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.821	0.733	--	4.06	3.62	--		3.667
Vinyl chloride	ND	0.073	--	ND	0.187	--		3.667
1,1-Dichloroethene	ND	0.073	--	ND	0.291	--		3.667
cis-1,2-Dichloroethene	ND	0.073	--	ND	0.291	--		3.667
1,1,1-Trichloroethane	ND	0.073	--	ND	0.400	--		3.667
Carbon tetrachloride	0.106	0.073	--	0.667	0.461	--		3.667
Trichloroethene	0.088	0.073	--	0.473	0.394	--		3.667
Tetrachloroethene	ND	0.073	--	ND	0.497	--		3.667

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	73		60-140
bromochloromethane	77		60-140
chlorobenzene-d5	66		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1625211
Report Date: 08/16/16

SAMPLE RESULTS

Lab ID: L1625211-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 08/16/16 03:06
 Analyst: MB

Date Collected: 08/11/16 12:21
 Date Received: 08/11/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloromethane	0.659	0.200	--	1.36	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.87	1.00	--	9.19	2.38	--		1
Trichlorofluoromethane	0.260	0.200	--	1.46	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.214	0.200	--	1.05	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1625211
Report Date: 08/16/16

SAMPLE RESULTS

Lab ID: L1625211-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 08/11/16 12:21
 Date Received: 08/11/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.23	0.200	--	4.64	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1625211
Report Date: 08/16/16

SAMPLE RESULTS

Lab ID: L1625211-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 08/11/16 12:21
 Date Received: 08/11/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	74		60-140
Bromochloromethane	78		60-140
chlorobenzene-d5	70		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1625211
Report Date: 08/16/16

SAMPLE RESULTS

Lab ID: L1625211-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 08/16/16 03:06
 Analyst: MB

Date Collected: 08/11/16 12:21
 Date Received: 08/11/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.807	0.200	--	3.99	0.989	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.093	0.020	--	0.585	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	74		60-140
bromochloromethane	79		60-140
chlorobenzene-d5	71		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1625940
Report Date: 08/24/16

SAMPLE RESULTS

Lab ID: L1625940-01 D
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 08/23/16 20:57
 Analyst: MB

Date Collected: 08/18/16 12:58
 Date Received: 08/18/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.801	0.250	--	3.96	1.24	--		1.25
Chloromethane	0.672	0.250	--	1.39	0.516	--		1.25
Freon-114	ND	0.250	--	ND	1.75	--		1.25
1,3-Butadiene	ND	0.250	--	ND	0.553	--		1.25
Bromomethane	ND	0.250	--	ND	0.971	--		1.25
Chloroethane	ND	0.250	--	ND	0.660	--		1.25
Ethanol	ND	6.25	--	ND	11.8	--		1.25
Vinyl bromide	ND	0.250	--	ND	1.09	--		1.25
Acetone	4.81	1.25	--	11.4	2.97	--		1.25
Trichlorofluoromethane	0.359	0.250	--	2.02	1.40	--		1.25
Isopropanol	2.22	0.625	--	5.46	1.54	--		1.25
Tertiary butyl Alcohol	ND	0.625	--	ND	1.89	--		1.25
Methylene chloride	ND	0.625	--	ND	2.17	--		1.25
3-Chloropropene	ND	0.250	--	ND	0.783	--		1.25
Carbon disulfide	ND	0.250	--	ND	0.779	--		1.25
Freon-113	ND	0.250	--	ND	1.92	--		1.25
trans-1,2-Dichloroethene	ND	0.250	--	ND	0.991	--		1.25
1,1-Dichloroethane	ND	0.250	--	ND	1.01	--		1.25
Methyl tert butyl ether	ND	0.250	--	ND	0.901	--		1.25
2-Butanone	0.625	0.625	--	1.84	1.84	--		1.25
Ethyl Acetate	ND	0.625	--	ND	2.25	--		1.25
Chloroform	ND	0.250	--	ND	1.22	--		1.25
Tetrahydrofuran	ND	0.625	--	ND	1.84	--		1.25
1,2-Dichloroethane	ND	0.250	--	ND	1.01	--		1.25



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1625940
Report Date: 08/24/16

SAMPLE RESULTS

Lab ID: L1625940-01 D
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 08/18/16 12:58
 Date Received: 08/18/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.250	--	ND	0.881	--		1.25
Benzene	ND	0.250	--	ND	0.799	--		1.25
Cyclohexane	ND	0.250	--	ND	0.861	--		1.25
1,2-Dichloropropane	ND	0.250	--	ND	1.16	--		1.25
Bromodichloromethane	ND	0.250	--	ND	1.67	--		1.25
1,4-Dioxane	ND	0.250	--	ND	0.901	--		1.25
2,2,4-Trimethylpentane	ND	0.250	--	ND	1.17	--		1.25
Heptane	ND	0.250	--	ND	1.02	--		1.25
cis-1,3-Dichloropropene	ND	0.250	--	ND	1.13	--		1.25
4-Methyl-2-pentanone	ND	0.625	--	ND	2.56	--		1.25
trans-1,3-Dichloropropene	ND	0.250	--	ND	1.13	--		1.25
1,1,2-Trichloroethane	ND	0.250	--	ND	1.36	--		1.25
Toluene	0.271	0.250	--	1.02	0.942	--		1.25
2-Hexanone	ND	0.250	--	ND	1.02	--		1.25
Dibromochloromethane	ND	0.250	--	ND	2.13	--		1.25
1,2-Dibromoethane	ND	0.250	--	ND	1.92	--		1.25
Chlorobenzene	ND	0.250	--	ND	1.15	--		1.25
Ethylbenzene	ND	0.250	--	ND	1.09	--		1.25
p/m-Xylene	ND	0.500	--	ND	2.17	--		1.25
Bromoform	ND	0.250	--	ND	2.58	--		1.25
Styrene	ND	0.250	--	ND	1.06	--		1.25
1,1,2,2-Tetrachloroethane	ND	0.250	--	ND	1.72	--		1.25
o-Xylene	ND	0.250	--	ND	1.09	--		1.25
4-Ethyltoluene	ND	0.250	--	ND	1.23	--		1.25
1,3,5-Trimethylbenzene	ND	0.250	--	ND	1.23	--		1.25
1,2,4-Trimethylbenzene	ND	0.250	--	ND	1.23	--		1.25
Benzyl chloride	ND	0.250	--	ND	1.29	--		1.25
1,3-Dichlorobenzene	ND	0.250	--	ND	1.50	--		1.25



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1625940
Report Date: 08/24/16

SAMPLE RESULTS

Lab ID: L1625940-01 D
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 08/18/16 12:58
 Date Received: 08/18/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.250	--	ND	1.50	--		1.25
1,2-Dichlorobenzene	ND	0.250	--	ND	1.50	--		1.25
1,2,4-Trichlorobenzene	ND	0.250	--	ND	1.86	--		1.25
Hexachlorobutadiene	ND	0.250	--	ND	2.67	--		1.25

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	60		60-140
Bromochloromethane	63		60-140
chlorobenzene-d5	47	Q	60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1625940
Report Date: 08/24/16

SAMPLE RESULTS

Lab ID: L1625940-01 D
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 08/23/16 20:57
 Analyst: MB

Date Collected: 08/18/16 12:58
 Date Received: 08/18/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.025	--	ND	0.064	--		1.25
1,1-Dichloroethene	ND	0.025	--	ND	0.099	--		1.25
cis-1,2-Dichloroethene	ND	0.025	--	ND	0.099	--		1.25
1,1,1-Trichloroethane	ND	0.025	--	ND	0.136	--		1.25
Carbon tetrachloride	0.126	0.025	--	0.793	0.157	--		1.25
Trichloroethene	ND	0.025	--	ND	0.134	--		1.25
Tetrachloroethene	0.238	0.025	--	1.61	0.170	--		1.25

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	61		60-140
bromochloromethane	63		60-140
chlorobenzene-d5	49	Q	60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1625940
Report Date: 08/24/16

SAMPLE RESULTS

Lab ID: L1625940-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 08/23/16 21:31
 Analyst: MB

Date Collected: 08/18/16 12:31
 Date Received: 08/18/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.954	0.200	--	4.72	0.989	--		1
Chloromethane	0.544	0.200	--	1.12	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.50	1.00	--	5.94	2.38	--		1
Trichlorofluoromethane	0.243	0.200	--	1.37	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1625940
Report Date: 08/24/16

SAMPLE RESULTS

Lab ID: L1625940-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 08/18/16 12:31
 Date Received: 08/18/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.561	0.200	--	1.79	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.381	0.200	--	1.44	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1625940
Report Date: 08/24/16

SAMPLE RESULTS

Lab ID: L1625940-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 08/18/16 12:31
 Date Received: 08/18/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	65		60-140
Bromochloromethane	77		60-140
chlorobenzene-d5	65		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1625940
Report Date: 08/24/16

SAMPLE RESULTS

Lab ID: L1625940-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 08/23/16 21:31
 Analyst: MB

Date Collected: 08/18/16 12:31
 Date Received: 08/18/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.100	0.020	--	0.629	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	61		60-140
bromochloromethane	77		60-140
chlorobenzene-d5	69		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1625940
Report Date: 08/24/16

SAMPLE RESULTS

Lab ID: L1625940-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 08/23/16 22:39
 Analyst: MB

Date Collected: 08/18/16 12:33
 Date Received: 08/18/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.666	0.200	--	3.29	0.989	--		1
Chloromethane	0.529	0.200	--	1.09	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.52	1.00	--	5.99	2.38	--		1
Trichlorofluoromethane	0.221	0.200	--	1.24	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1625940
Report Date: 08/24/16

SAMPLE RESULTS

Lab ID: L1625940-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 08/18/16 12:33
 Date Received: 08/18/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.558	0.200	--	1.78	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.404	0.200	--	1.52	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	0.920	0.400	--	4.00	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.442	0.200	--	1.92	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.415	0.200	--	2.04	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1625940
Report Date: 08/24/16

SAMPLE RESULTS

Lab ID: L1625940-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 08/18/16 12:33
 Date Received: 08/18/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	69		60-140
Bromochloromethane	83		60-140
chlorobenzene-d5	72		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1625940
Report Date: 08/24/16

SAMPLE RESULTS

Lab ID: L1625940-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 08/23/16 22:39
 Analyst: MB

Date Collected: 08/18/16 12:33
 Date Received: 08/18/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.095	0.020	--	0.598	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	65		60-140
bromochloromethane	83		60-140
chlorobenzene-d5	75		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1626598
Report Date: 08/31/16

SAMPLE RESULTS

Lab ID: L1626598-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 08/26/16 19:45
 Analyst: MB

Date Collected: 08/24/16 12:26
 Date Received: 08/24/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.780	0.200	--	3.86	0.989	--		1
Chloromethane	0.434	0.200	--	0.896	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.22	1.00	--	5.27	2.38	--		1
Trichlorofluoromethane	0.211	0.200	--	1.19	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1626598
Report Date: 08/31/16

SAMPLE RESULTS

Lab ID: L1626598-01
Client ID: FAM-3
Sample Location: SUFFERN, NY

Date Collected: 08/24/16 12:26
Date Received: 08/24/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1626598
Report Date: 08/31/16

SAMPLE RESULTS

Lab ID: L1626598-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 08/24/16 12:26
 Date Received: 08/24/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	67		60-140
Bromochloromethane	74		60-140
chlorobenzene-d5	67		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1626598
Report Date: 08/31/16

SAMPLE RESULTS

Lab ID: L1626598-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 08/26/16 19:45
 Analyst: MB

Date Collected: 08/24/16 12:26
 Date Received: 08/24/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.080	0.020	--	0.503	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	76		60-140
bromochloromethane	87		60-140
chlorobenzene-d5	77		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1626598
Report Date: 08/31/16

SAMPLE RESULTS

Lab ID: L1626598-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 08/26/16 20:20
 Analyst: MB

Date Collected: 08/24/16 12:30
 Date Received: 08/24/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.874	0.200	--	4.32	0.989	--		1
Chloromethane	0.470	0.200	--	0.971	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.10	1.00	--	4.99	2.38	--		1
Trichlorofluoromethane	0.208	0.200	--	1.17	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1626598
Report Date: 08/31/16

SAMPLE RESULTS

Lab ID: L1626598-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 08/24/16 12:30
 Date Received: 08/24/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1626598
Report Date: 08/31/16

SAMPLE RESULTS

Lab ID: L1626598-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 08/24/16 12:30
 Date Received: 08/24/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	66		60-140
Bromochloromethane	72		60-140
chlorobenzene-d5	66		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1626598
Report Date: 08/31/16

SAMPLE RESULTS

Lab ID: L1626598-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 08/26/16 20:20
 Analyst: MB

Date Collected: 08/24/16 12:30
 Date Received: 08/24/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.083	0.020	--	0.522	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	75		60-140
bromochloromethane	85		60-140
chlorobenzene-d5	77		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1626598
Report Date: 08/31/16

SAMPLE RESULTS

Lab ID: L1626598-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 08/26/16 20:54
 Analyst: MB

Date Collected: 08/24/16 12:37
 Date Received: 08/24/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.694	0.200	--	3.43	0.989	--		1
Chloromethane	0.527	0.200	--	1.09	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.87	1.00	--	4.44	2.38	--		1
Trichlorofluoromethane	0.214	0.200	--	1.20	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1626598
Report Date: 08/31/16

SAMPLE RESULTS

Lab ID: L1626598-03
Client ID: FAM-2
Sample Location: SUFFERN, NY

Date Collected: 08/24/16 12:37
Date Received: 08/24/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1626598
Report Date: 08/31/16

SAMPLE RESULTS

Lab ID: L1626598-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 08/24/16 12:37
 Date Received: 08/24/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	66		60-140
Bromochloromethane	72		60-140
chlorobenzene-d5	67		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1626598
Report Date: 08/31/16

SAMPLE RESULTS

Lab ID: L1626598-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 08/26/16 20:54
 Analyst: MB

Date Collected: 08/24/16 12:37
 Date Received: 08/24/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.084	0.020	--	0.528	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	74		60-140
bromochloromethane	86		60-140
chlorobenzene-d5	78		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1627374
Report Date: 09/06/16

SAMPLE RESULTS

Lab ID: L1627374-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 09/02/16 19:35
 Analyst: RY

Date Collected: 08/31/16 12:17
 Date Received: 08/31/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.471	0.200	--	2.33	0.989	--		1
Chloromethane	0.568	0.200	--	1.17	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.78	1.00	--	8.98	2.38	--		1
Trichlorofluoromethane	0.256	0.200	--	1.44	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1627374
Report Date: 09/06/16

SAMPLE RESULTS

Lab ID: L1627374-01
Client ID: FAM-5
Sample Location: SUFFERN, NY

Date Collected: 08/31/16 12:17
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.648	0.200	--	2.44	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1627374
Report Date: 09/06/16

SAMPLE RESULTS

Lab ID: L1627374-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 08/31/16 12:17
 Date Received: 08/31/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	80		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	84		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1627374
Report Date: 09/06/16

SAMPLE RESULTS

Lab ID: L1627374-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 09/02/16 19:35
 Analyst: RY

Date Collected: 08/31/16 12:17
 Date Received: 08/31/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.087	0.020	--	0.547	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.027	0.020	--	0.183	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	83		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	86		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1627374
Report Date: 09/06/16

SAMPLE RESULTS

Lab ID: L1627374-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 09/02/16 20:39
 Analyst: RY

Date Collected: 08/31/16 12:20
 Date Received: 08/31/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.495	0.200	--	2.45	0.989	--		1
Chloromethane	0.689	0.200	--	1.42	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.46	1.00	--	10.6	2.38	--		1
Trichlorofluoromethane	0.284	0.200	--	1.60	1.12	--		1
Isopropanol	0.645	0.500	--	1.59	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1627374
Report Date: 09/06/16

SAMPLE RESULTS

Lab ID: L1627374-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 08/31/16 12:20
 Date Received: 08/31/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.233	0.200	--	0.878	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1627374
Report Date: 09/06/16

SAMPLE RESULTS

Lab ID: L1627374-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 08/31/16 12:20
 Date Received: 08/31/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	76		60-140
Bromochloromethane	83		60-140
chlorobenzene-d5	81		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1627374
Report Date: 09/06/16

SAMPLE RESULTS

Lab ID: L1627374-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 09/02/16 20:39
 Analyst: RY

Date Collected: 08/31/16 12:20
 Date Received: 08/31/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.089	0.020	--	0.560	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.031	0.020	--	0.210	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	80		60-140
bromochloromethane	86		60-140
chlorobenzene-d5	83		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1627374
Report Date: 09/06/16

SAMPLE RESULTS

Lab ID: L1627374-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 09/02/16 21:11
 Analyst: RY

Date Collected: 08/31/16 12:24
 Date Received: 08/31/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.478	0.200	--	2.36	0.989	--		1
Chloromethane	0.642	0.200	--	1.33	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.03	1.00	--	9.57	2.38	--		1
Trichlorofluoromethane	0.272	0.200	--	1.53	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.649	0.500	--	1.91	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1627374
Report Date: 09/06/16

SAMPLE RESULTS

Lab ID: L1627374-03
Client ID: FAM-2
Sample Location: SUFFERN, NY

Date Collected: 08/31/16 12:24
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1627374
Report Date: 09/06/16

SAMPLE RESULTS

Lab ID: L1627374-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 08/31/16 12:24
 Date Received: 08/31/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	76		60-140
Bromochloromethane	84		60-140
chlorobenzene-d5	78		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1627374
Report Date: 09/06/16

SAMPLE RESULTS

Lab ID: L1627374-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 09/02/16 21:11
 Analyst: RY

Date Collected: 08/31/16 12:24
 Date Received: 08/31/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.087	0.020	--	0.547	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.029	0.020	--	0.197	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	79		60-140
bromochloromethane	85		60-140
chlorobenzene-d5	81		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1628238
Report Date: 09/15/16

SAMPLE RESULTS

Lab ID: L1628238-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 09/14/16 19:32
 Analyst: MB

Date Collected: 09/08/16 13:48
 Date Received: 09/08/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.618	0.200	--	3.06	0.989	--		1
Chloromethane	0.560	0.200	--	1.16	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.48	1.00	--	8.27	2.38	--		1
Trichlorofluoromethane	0.297	0.200	--	1.67	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1628238
Report Date: 09/15/16

SAMPLE RESULTS

Lab ID: L1628238-01
Client ID: FAM-3
Sample Location: SUFFERN, NY

Date Collected: 09/08/16 13:48
Date Received: 09/08/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1628238
Report Date: 09/15/16

SAMPLE RESULTS

Lab ID: L1628238-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 09/08/16 13:48
 Date Received: 09/08/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	93		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1628238
Report Date: 09/15/16

SAMPLE RESULTS

Lab ID: L1628238-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 09/15/16 10:21
 Analyst: RY

Date Collected: 09/08/16 13:48
 Date Received: 09/08/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.078	0.020	--	0.491	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	93		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	86		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1628238
Report Date: 09/15/16

SAMPLE RESULTS

Lab ID: L1628238-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 09/14/16 20:22
 Analyst: MB

Date Collected: 09/08/16 13:53
 Date Received: 09/08/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.644	0.200	--	3.18	0.989	--		1
Chloromethane	0.551	0.200	--	1.14	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.65	1.00	--	11.0	2.38	--		1
Trichlorofluoromethane	0.293	0.200	--	1.65	1.12	--		1
Isopropanol	1.59	0.500	--	3.91	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1628238
Report Date: 09/15/16

SAMPLE RESULTS

Lab ID: L1628238-02
Client ID: FAM-6
Sample Location: SUFFERN, NY

Date Collected: 09/08/16 13:53
Date Received: 09/08/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1628238
Report Date: 09/15/16

SAMPLE RESULTS

Lab ID: L1628238-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 09/08/16 13:53
 Date Received: 09/08/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	85		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	91		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1628238
Report Date: 09/15/16

SAMPLE RESULTS

Lab ID: L1628238-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 09/15/16 11:07
 Analyst: RY

Date Collected: 09/08/16 13:53
 Date Received: 09/08/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.080	0.020	--	0.503	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	90		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	80		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1628238
Report Date: 09/15/16

SAMPLE RESULTS

Lab ID: L1628238-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 09/14/16 21:12
 Analyst: MB

Date Collected: 09/08/16 13:56
 Date Received: 09/08/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.640	0.200	--	3.16	0.989	--		1
Chloromethane	0.559	0.200	--	1.15	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.64	1.00	--	8.65	2.38	--		1
Trichlorofluoromethane	0.286	0.200	--	1.61	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1628238
Report Date: 09/15/16

SAMPLE RESULTS

Lab ID: L1628238-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 09/08/16 13:56
 Date Received: 09/08/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.207	0.200	--	0.780	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1628238
Report Date: 09/15/16

SAMPLE RESULTS

Lab ID: L1628238-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 09/08/16 13:56
 Date Received: 09/08/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	85		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	89		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1628238
Report Date: 09/15/16

SAMPLE RESULTS

Lab ID: L1628238-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 09/15/16 09:16
 Analyst: RY

Date Collected: 09/08/16 13:56
 Date Received: 09/08/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.079	0.020	--	0.497	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	90		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	86		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1629185
Report Date: 09/28/16

SAMPLE RESULTS

Lab ID: L1629185-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 09/19/16 16:39
 Analyst: MB

Date Collected: 09/15/16 12:57
 Date Received: 09/15/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.402	0.200	--	1.99	0.989	--		1
Chloromethane	0.549	0.200	--	1.13	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.38	1.00	--	5.65	2.38	--		1
Trichlorofluoromethane	0.261	0.200	--	1.47	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1629185
Report Date: 09/28/16

SAMPLE RESULTS

Lab ID: L1629185-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 09/15/16 12:57
 Date Received: 09/15/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1629185
Report Date: 09/28/16

SAMPLE RESULTS

Lab ID: L1629185-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 09/15/16 12:57
 Date Received: 09/15/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	80		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	82		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1629185
Report Date: 09/28/16

SAMPLE RESULTS

Lab ID: L1629185-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 09/19/16 16:39
 Analyst: MB

Date Collected: 09/15/16 12:57
 Date Received: 09/15/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.083	0.020	--	0.522	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	82		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	86		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1629185
Report Date: 09/28/16

SAMPLE RESULTS

Lab ID: L1629185-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 09/19/16 17:44
 Analyst: MB

Date Collected: 09/15/16 13:03
 Date Received: 09/15/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.407	0.200	--	2.01	0.989	--		1
Chloromethane	0.546	0.200	--	1.13	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.51	1.00	--	5.96	2.38	--		1
Trichlorofluoromethane	0.242	0.200	--	1.36	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1629185
Report Date: 09/28/16

SAMPLE RESULTS

Lab ID: L1629185-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 09/15/16 13:03
 Date Received: 09/15/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.316	0.200	--	1.19	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1629185
Report Date: 09/28/16

SAMPLE RESULTS

Lab ID: L1629185-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 09/15/16 13:03
 Date Received: 09/15/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	72		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	80		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1629185
Report Date: 09/28/16

SAMPLE RESULTS

Lab ID: L1629185-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 09/19/16 17:44
 Analyst: MB

Date Collected: 09/15/16 13:03
 Date Received: 09/15/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.090	0.020	--	0.566	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	74		60-140
bromochloromethane	84		60-140
chlorobenzene-d5	83		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1629185
Report Date: 09/28/16

SAMPLE RESULTS

Lab ID: L1629185-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 09/19/16 18:17
 Analyst: MB

Date Collected: 09/15/16 13:06
 Date Received: 09/15/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.392	0.200	--	1.94	0.989	--		1
Chloromethane	0.567	0.200	--	1.17	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.53	1.00	--	6.01	2.38	--		1
Trichlorofluoromethane	0.250	0.200	--	1.40	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1629185
Report Date: 09/28/16

SAMPLE RESULTS

Lab ID: L1629185-03
Client ID: FAM-2
Sample Location: SUFFERN, NY

Date Collected: 09/15/16 13:06
Date Received: 09/15/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1629185
Report Date: 09/28/16

SAMPLE RESULTS

Lab ID: L1629185-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 09/15/16 13:06
 Date Received: 09/15/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	75		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	75		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1629185
Report Date: 09/28/16

SAMPLE RESULTS

Lab ID: L1629185-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 09/19/16 18:17
 Analyst: MB

Date Collected: 09/15/16 13:06
 Date Received: 09/15/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.082	0.020	--	0.516	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	78		60-140
bromochloromethane	84		60-140
chlorobenzene-d5	78		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1630085
Report Date: 09/29/16

SAMPLE RESULTS

Lab ID: L1630085-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 09/28/16 23:36
 Analyst: RY

Date Collected: 09/22/16 12:43
 Date Received: 09/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloromethane	0.592	0.200	--	1.22	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	6.06	5.00	--	11.4	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.74	1.00	--	8.88	2.38	--		1
Trichlorofluoromethane	0.217	0.200	--	1.22	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.960	0.500	--	2.83	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1630085
Report Date: 09/29/16

SAMPLE RESULTS

Lab ID: L1630085-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 09/22/16 12:43
 Date Received: 09/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1630085
Report Date: 09/29/16

SAMPLE RESULTS

Lab ID: L1630085-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 09/22/16 12:43
 Date Received: 09/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	82		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1630085
Report Date: 09/29/16

SAMPLE RESULTS

Lab ID: L1630085-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 09/28/16 23:36
 Analyst: RY

Date Collected: 09/22/16 12:43
 Date Received: 09/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.405	0.200	--	2.00	0.989	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.085	0.020	--	0.535	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	89		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	84		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1630085
Report Date: 09/29/16

SAMPLE RESULTS

Lab ID: L1630085-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 09/29/16 00:10
 Analyst: RY

Date Collected: 09/22/16 12:45
 Date Received: 09/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloromethane	0.574	0.200	--	1.19	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.81	1.00	--	6.68	2.38	--		1
Trichlorofluoromethane	0.220	0.200	--	1.24	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1630085
Report Date: 09/29/16

SAMPLE RESULTS

Lab ID: L1630085-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 09/22/16 12:45
 Date Received: 09/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.228	0.200	--	0.859	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1630085
Report Date: 09/29/16

SAMPLE RESULTS

Lab ID: L1630085-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 09/22/16 12:45
 Date Received: 09/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	85		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	81		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1630085
Report Date: 09/29/16

SAMPLE RESULTS

Lab ID: L1630085-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 09/29/16 00:10
 Analyst: RY

Date Collected: 09/22/16 12:45
 Date Received: 09/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.383	0.200	--	1.89	0.989	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.089	0.020	--	0.560	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	86		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	81		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1630085
Report Date: 09/29/16

SAMPLE RESULTS

Lab ID: L1630085-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 09/29/16 00:45
 Analyst: RY

Date Collected: 09/22/16 12:50
 Date Received: 09/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloromethane	0.617	0.200	--	1.27	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.32	1.00	--	5.51	2.38	--		1
Trichlorofluoromethane	0.236	0.200	--	1.33	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1630085
Report Date: 09/29/16

SAMPLE RESULTS

Lab ID: L1630085-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 09/22/16 12:50
 Date Received: 09/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1630085
Report Date: 09/29/16

SAMPLE RESULTS

Lab ID: L1630085-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 09/22/16 12:50
 Date Received: 09/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	84		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	80		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1630085
Report Date: 09/29/16

SAMPLE RESULTS

Lab ID: L1630085-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 09/29/16 00:45
 Analyst: RY

Date Collected: 09/22/16 12:50
 Date Received: 09/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.322	0.200	--	1.59	0.989	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.087	0.020	--	0.547	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	86		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	82		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1630969
Report Date: 10/07/16

SAMPLE RESULTS

Lab ID: L1630969-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 10/06/16 19:26
 Analyst: RY

Date Collected: 09/29/16 12:34
 Date Received: 09/29/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.432	0.200	--	2.14	0.989	--		1
Chloromethane	0.533	0.200	--	1.10	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.87	1.00	--	4.44	2.38	--		1
Trichlorofluoromethane	0.265	0.200	--	1.49	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1630969
Report Date: 10/07/16

SAMPLE RESULTS

Lab ID: L1630969-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 09/29/16 12:34
 Date Received: 09/29/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1630969
Report Date: 10/07/16

SAMPLE RESULTS

Lab ID: L1630969-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 09/29/16 12:34
 Date Received: 09/29/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	85		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	87		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1630969
Report Date: 10/07/16

SAMPLE RESULTS

Lab ID: L1630969-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 10/06/16 19:26
 Analyst: RY

Date Collected: 09/29/16 12:34
 Date Received: 09/29/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.101	0.020	--	0.635	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.028	0.020	--	0.190	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	88		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	89		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1630969
Report Date: 10/07/16

SAMPLE RESULTS

Lab ID: L1630969-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 10/06/16 20:31
 Analyst: RY

Date Collected: 09/29/16 12:37
 Date Received: 09/29/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.395	0.200	--	1.95	0.989	--		1
Chloromethane	0.518	0.200	--	1.07	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.95	1.00	--	4.63	2.38	--		1
Trichlorofluoromethane	0.265	0.200	--	1.49	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1630969
Report Date: 10/07/16

SAMPLE RESULTS

Lab ID: L1630969-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 09/29/16 12:37
 Date Received: 09/29/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1630969
Report Date: 10/07/16

SAMPLE RESULTS

Lab ID: L1630969-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 09/29/16 12:37
 Date Received: 09/29/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	84		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	81		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1630969
Report Date: 10/07/16

SAMPLE RESULTS

Lab ID: L1630969-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 10/06/16 20:31
 Analyst: RY

Date Collected: 09/29/16 12:37
 Date Received: 09/29/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.100	0.020	--	0.629	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	87		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	87		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1630969
Report Date: 10/07/16

SAMPLE RESULTS

Lab ID: L1630969-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 10/06/16 21:04
 Analyst: RY

Date Collected: 09/29/16 12:39
 Date Received: 09/29/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.434	0.200	--	2.15	0.989	--		1
Chloromethane	0.486	0.200	--	1.00	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.15	1.00	--	5.11	2.38	--		1
Trichlorofluoromethane	0.265	0.200	--	1.49	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1630969
Report Date: 10/07/16

SAMPLE RESULTS

Lab ID: L1630969-03
Client ID: FAM-1
Sample Location: SUFFERN, NY

Date Collected: 09/29/16 12:39
Date Received: 09/29/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1630969
Report Date: 10/07/16

SAMPLE RESULTS

Lab ID: L1630969-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 09/29/16 12:39
 Date Received: 09/29/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	79		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	84		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1630969
Report Date: 10/07/16

SAMPLE RESULTS

Lab ID: L1630969-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 10/06/16 21:04
 Analyst: RY

Date Collected: 09/29/16 12:39
 Date Received: 09/29/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.104	0.020	--	0.654	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	83		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	87		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1631808
Report Date: 10/14/16

SAMPLE RESULTS

Lab ID: L1631808-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 10/13/16 14:58
 Analyst: MB

Date Collected: 10/05/16 12:07
 Date Received: 10/05/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.326	0.200	--	1.61	0.989	--		1
Chloromethane	0.481	0.200	--	0.993	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.56	1.00	--	3.71	2.38	--		1
Trichlorofluoromethane	0.227	0.200	--	1.28	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1631808
Report Date: 10/14/16

SAMPLE RESULTS

Lab ID: L1631808-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 10/05/16 12:07
 Date Received: 10/05/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1631808
Report Date: 10/14/16

SAMPLE RESULTS

Lab ID: L1631808-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 10/05/16 12:07
 Date Received: 10/05/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	86		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	81		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1631808
Report Date: 10/14/16

SAMPLE RESULTS

Lab ID: L1631808-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 10/13/16 14:58
 Analyst: MB

Date Collected: 10/05/16 12:07
 Date Received: 10/05/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.074	0.020	--	0.465	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.021	0.020	--	0.142	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	86		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1631808
Report Date: 10/14/16

SAMPLE RESULTS

Lab ID: L1631808-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 10/13/16 15:31
 Analyst: MB

Date Collected: 10/05/16 12:10
 Date Received: 10/05/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.397	0.200	--	1.96	0.989	--		1
Chloromethane	0.521	0.200	--	1.08	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.68	1.00	--	3.99	2.38	--		1
Trichlorofluoromethane	0.235	0.200	--	1.32	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1631808
Report Date: 10/14/16

SAMPLE RESULTS

Lab ID: L1631808-02
Client ID: FAM-6
Sample Location: SUFFERN, NY

Date Collected: 10/05/16 12:10
Date Received: 10/05/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1631808
Report Date: 10/14/16

SAMPLE RESULTS

Lab ID: L1631808-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 10/05/16 12:10
 Date Received: 10/05/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	75		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	86		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1631808
Report Date: 10/14/16

SAMPLE RESULTS

Lab ID: L1631808-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 10/13/16 15:31
 Analyst: MB

Date Collected: 10/05/16 12:10
 Date Received: 10/05/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.081	0.020	--	0.510	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	81		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	92		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1631808
Report Date: 10/14/16

SAMPLE RESULTS

Lab ID: L1631808-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 10/13/16 16:04
 Analyst: MB

Date Collected: 10/05/16 12:13
 Date Received: 10/05/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.541	0.200	--	2.68	0.989	--		1
Chloromethane	0.503	0.200	--	1.04	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.95	1.00	--	4.63	2.38	--		1
Trichlorofluoromethane	0.236	0.200	--	1.33	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1631808
Report Date: 10/14/16

SAMPLE RESULTS

Lab ID: L1631808-03
Client ID: FAM-1
Sample Location: SUFFERN, NY

Date Collected: 10/05/16 12:13
Date Received: 10/05/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.217	0.200	--	0.818	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1631808
Report Date: 10/14/16

SAMPLE RESULTS

Lab ID: L1631808-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 10/05/16 12:13
 Date Received: 10/05/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	81		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	77		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1631808
Report Date: 10/14/16

SAMPLE RESULTS

Lab ID: L1631808-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 10/13/16 16:04
 Analyst: MB

Date Collected: 10/05/16 12:13
 Date Received: 10/05/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.073	0.020	--	0.459	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	88		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	81		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1632918
Report Date: 10/20/16

SAMPLE RESULTS

Lab ID: L1632918-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 10/19/16 21:32
 Analyst: MB

Date Collected: 10/13/16 12:07
 Date Received: 10/13/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.349	0.200	--	1.73	0.989	--		1
Chloromethane	0.503	0.200	--	1.04	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.97	1.00	--	4.68	2.38	--		1
Trichlorofluoromethane	0.217	0.200	--	1.22	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1632918
Report Date: 10/20/16

SAMPLE RESULTS

Lab ID: L1632918-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 10/13/16 12:07
 Date Received: 10/13/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.445	0.200	--	1.68	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1632918
Report Date: 10/20/16

SAMPLE RESULTS

Lab ID: L1632918-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 10/13/16 12:07
 Date Received: 10/13/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	98		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1632918
Report Date: 10/20/16

SAMPLE RESULTS

Lab ID: L1632918-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 10/19/16 21:32
 Analyst: MB

Date Collected: 10/13/16 12:07
 Date Received: 10/13/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.069	0.020	--	0.434	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.039	0.020	--	0.264	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	97		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	98		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1632918
Report Date: 10/20/16

SAMPLE RESULTS

Lab ID: L1632918-02
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 10/19/16 22:06
 Analyst: MB

Date Collected: 10/13/16 12:11
 Date Received: 10/13/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.313	0.200	--	1.55	0.989	--		1
Chloromethane	0.511	0.200	--	1.06	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.70	1.00	--	4.04	2.38	--		1
Trichlorofluoromethane	0.217	0.200	--	1.22	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1632918
Report Date: 10/20/16

SAMPLE RESULTS

Lab ID: L1632918-02
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 10/13/16 12:11
 Date Received: 10/13/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.205	0.200	--	0.655	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.408	0.200	--	1.54	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1632918
Report Date: 10/20/16

SAMPLE RESULTS

Lab ID: L1632918-02
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 10/13/16 12:11
 Date Received: 10/13/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	99		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	98		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1632918
Report Date: 10/20/16

SAMPLE RESULTS

Lab ID: L1632918-02
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 10/19/16 22:06
 Analyst: MB

Date Collected: 10/13/16 12:11
 Date Received: 10/13/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.068	0.020	--	0.428	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.048	0.020	--	0.325	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	97		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	97		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1632918
Report Date: 10/20/16

SAMPLE RESULTS

Lab ID: L1632918-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 10/19/16 22:41
 Analyst: MB

Date Collected: 10/13/16 12:20
 Date Received: 10/13/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.369	0.200	--	1.82	0.989	--		1
Chloromethane	0.511	0.200	--	1.06	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.14	1.00	--	5.08	2.38	--		1
Trichlorofluoromethane	0.236	0.200	--	1.33	1.12	--		1
Isopropanol	0.686	0.500	--	1.69	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1632918
Report Date: 10/20/16

SAMPLE RESULTS

Lab ID: L1632918-03
Client ID: FAM-2
Sample Location: SUFFERN, NY

Date Collected: 10/13/16 12:20
Date Received: 10/13/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.256	0.200	--	0.818	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.673	0.200	--	2.54	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1632918
Report Date: 10/20/16

SAMPLE RESULTS

Lab ID: L1632918-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 10/13/16 12:20
 Date Received: 10/13/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	96		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1632918
Report Date: 10/20/16

SAMPLE RESULTS

Lab ID: L1632918-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 10/19/16 22:41
 Analyst: MB

Date Collected: 10/13/16 12:20
 Date Received: 10/13/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.071	0.020	--	0.447	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.051	0.020	--	0.346	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	95		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1633839
Report Date: 10/26/16

SAMPLE RESULTS

Lab ID: L1633839-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 10/22/16 16:57
 Analyst: MB

Date Collected: 10/20/16 11:32
 Date Received: 10/20/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.331	0.200	--	1.64	0.989	--		1
Chloromethane	0.512	0.200	--	1.06	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.29	1.00	--	5.44	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1633839
Report Date: 10/26/16

SAMPLE RESULTS

Lab ID: L1633839-01
Client ID: FAM-5
Sample Location: SUFFERN, NY

Date Collected: 10/20/16 11:32
Date Received: 10/20/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1633839
Report Date: 10/26/16

SAMPLE RESULTS

Lab ID: L1633839-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 10/20/16 11:32
 Date Received: 10/20/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	99		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	91		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1633839
Report Date: 10/26/16

SAMPLE RESULTS

Lab ID: L1633839-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 10/22/16 16:57
 Analyst: MB

Date Collected: 10/20/16 11:32
 Date Received: 10/20/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.065	0.020	--	0.409	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.023	0.020	--	0.156	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	96		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	92		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1633839
Report Date: 10/26/16

SAMPLE RESULTS

Lab ID: L1633839-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 10/22/16 18:07
 Analyst: MB

Date Collected: 10/20/16 11:42
 Date Received: 10/20/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.305	0.200	--	1.51	0.989	--		1
Chloromethane	0.527	0.200	--	1.09	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	5.76	5.00	--	10.9	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	16.4	1.00	--	39.0	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1633839
Report Date: 10/26/16

SAMPLE RESULTS

Lab ID: L1633839-02
Client ID: FAM-6
Sample Location: SUFFERN, NY

Date Collected: 10/20/16 11:42
Date Received: 10/20/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	4.16	0.200	--	15.7	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1633839
Report Date: 10/26/16

SAMPLE RESULTS

Lab ID: L1633839-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 10/20/16 11:42
 Date Received: 10/20/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	87		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1633839
Report Date: 10/26/16

SAMPLE RESULTS

Lab ID: L1633839-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 10/22/16 18:07
 Analyst: MB

Date Collected: 10/20/16 11:42
 Date Received: 10/20/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.066	0.020	--	0.415	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.030	0.020	--	0.203	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	88		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1633839
Report Date: 10/26/16

SAMPLE RESULTS

Lab ID: L1633839-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 10/22/16 19:16
 Analyst: MB

Date Collected: 10/20/16 11:47
 Date Received: 10/20/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.308	0.200	--	1.52	0.989	--		1
Chloromethane	0.541	0.200	--	1.12	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.75	1.00	--	6.53	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1633839
Report Date: 10/26/16

SAMPLE RESULTS

Lab ID: L1633839-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 10/20/16 11:47
 Date Received: 10/20/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.202	0.200	--	0.761	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1633839
Report Date: 10/26/16

SAMPLE RESULTS

Lab ID: L1633839-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 10/20/16 11:47
 Date Received: 10/20/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	83		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1633839
Report Date: 10/26/16

SAMPLE RESULTS

Lab ID: L1633839-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 10/22/16 19:16
 Analyst: MB

Date Collected: 10/20/16 11:47
 Date Received: 10/20/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.070	0.020	--	0.440	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.023	0.020	--	0.156	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	86		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	84		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1634740
Report Date: 11/01/16

SAMPLE RESULTS

Lab ID: L1634740-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 10/28/16 20:55
 Analyst: RY

Date Collected: 10/27/16 12:23
 Date Received: 10/27/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.346	0.200	--	1.71	0.989	--		1
Chloromethane	0.517	0.200	--	1.07	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.13	1.00	--	2.68	2.38	--		1
Trichlorofluoromethane	0.212	0.200	--	1.19	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1634740
Report Date: 11/01/16

SAMPLE RESULTS

Lab ID: L1634740-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 10/27/16 12:23
 Date Received: 10/27/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1634740
Report Date: 11/01/16

SAMPLE RESULTS

Lab ID: L1634740-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 10/27/16 12:23
 Date Received: 10/27/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	82		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	84		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1634740
Report Date: 11/01/16

SAMPLE RESULTS

Lab ID: L1634740-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 10/28/16 20:55
 Analyst: RY

Date Collected: 10/27/16 12:23
 Date Received: 10/27/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.062	0.020	--	0.390	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.023	0.020	--	0.156	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	87		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	90		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1634740
Report Date: 11/01/16

SAMPLE RESULTS

Lab ID: L1634740-02
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 10/28/16 21:29
 Analyst: RY

Date Collected: 10/27/16 12:26
 Date Received: 10/27/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.323	0.200	--	1.60	0.989	--		1
Chloromethane	0.499	0.200	--	1.03	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.03	1.00	--	2.45	2.38	--		1
Trichlorofluoromethane	0.204	0.200	--	1.15	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1634740
Report Date: 11/01/16

SAMPLE RESULTS

Lab ID: L1634740-02
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 10/27/16 12:26
 Date Received: 10/27/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1634740
Report Date: 11/01/16

SAMPLE RESULTS

Lab ID: L1634740-02
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 10/27/16 12:26
 Date Received: 10/27/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	83		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	85		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1634740
Report Date: 11/01/16

SAMPLE RESULTS

Lab ID: L1634740-02
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 10/28/16 21:29
 Analyst: RY

Date Collected: 10/27/16 12:26
 Date Received: 10/27/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.060	0.020	--	0.377	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.032	0.020	--	0.217	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	88		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	90		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1634740
Report Date: 11/01/16

SAMPLE RESULTS

Lab ID: L1634740-03
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 10/28/16 22:38
 Analyst: RY

Date Collected: 10/27/16 12:29
 Date Received: 10/27/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.322	0.200	--	1.59	0.989	--		1
Chloromethane	0.517	0.200	--	1.07	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.00	1.00	--	7.13	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1634740
Report Date: 11/01/16

SAMPLE RESULTS

Lab ID: L1634740-03
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 10/27/16 12:29
 Date Received: 10/27/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.651	0.200	--	2.45	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1634740
Report Date: 11/01/16

SAMPLE RESULTS

Lab ID: L1634740-03
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 10/27/16 12:29
 Date Received: 10/27/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	83		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	87		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1634740
Report Date: 11/01/16

SAMPLE RESULTS

Lab ID: L1634740-03
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 10/28/16 22:38
 Analyst: RY

Date Collected: 10/27/16 12:29
 Date Received: 10/27/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.060	0.020	--	0.377	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.042	0.020	--	0.285	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	89		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	93		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1635644
Report Date: 11/08/16

SAMPLE RESULTS

Lab ID: L1635644-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 11/04/16 17:11
 Analyst: RY

Date Collected: 11/03/16 12:21
 Date Received: 11/03/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.330	0.200	--	1.63	0.989	--		1
Chloromethane	0.516	0.200	--	1.07	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.30	1.00	--	5.46	2.38	--		1
Trichlorofluoromethane	0.211	0.200	--	1.19	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1635644
Report Date: 11/08/16

SAMPLE RESULTS

Lab ID: L1635644-01
Client ID: FAM-3
Sample Location: SUFFERN, NY

Date Collected: 11/03/16 12:21
Date Received: 11/03/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	0.217	0.200	--	0.765	0.705	--		1
Benzene	0.270	0.200	--	0.863	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.461	0.200	--	1.74	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1635644
Report Date: 11/08/16

SAMPLE RESULTS

Lab ID: L1635644-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 11/03/16 12:21
 Date Received: 11/03/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	97		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1635644
Report Date: 11/08/16

SAMPLE RESULTS

Lab ID: L1635644-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 11/04/16 17:11
 Analyst: RY

Date Collected: 11/03/16 12:21
 Date Received: 11/03/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.066	0.020	--	0.415	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.036	0.020	--	0.244	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	96		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1635644
Report Date: 11/08/16

SAMPLE RESULTS

Lab ID: L1635644-02
 Client ID: FAM-4
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 11/04/16 17:46
 Analyst: RY

Date Collected: 11/03/16 12:26
 Date Received: 11/03/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.333	0.200	--	1.65	0.989	--		1
Chloromethane	0.500	0.200	--	1.03	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.30	1.00	--	5.46	2.38	--		1
Trichlorofluoromethane	0.208	0.200	--	1.17	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1635644
Report Date: 11/08/16

SAMPLE RESULTS

Lab ID: L1635644-02
 Client ID: FAM-4
 Sample Location: SUFFERN, NY

Date Collected: 11/03/16 12:26
 Date Received: 11/03/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	0.246	0.200	--	0.867	0.705	--		1
Benzene	0.266	0.200	--	0.850	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.497	0.200	--	1.87	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1635644
Report Date: 11/08/16

SAMPLE RESULTS

Lab ID: L1635644-02
 Client ID: FAM-4
 Sample Location: SUFFERN, NY

Date Collected: 11/03/16 12:26
 Date Received: 11/03/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	94		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1635644
Report Date: 11/08/16

SAMPLE RESULTS

Lab ID: L1635644-02
 Client ID: FAM-4
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 11/04/16 17:46
 Analyst: RY

Date Collected: 11/03/16 12:26
 Date Received: 11/03/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.066	0.020	--	0.415	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.037	0.020	--	0.251	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	93		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1635644
Report Date: 11/08/16

SAMPLE RESULTS

Lab ID: L1635644-03
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 11/04/16 18:55
 Analyst: RY

Date Collected: 11/03/16 12:34
 Date Received: 11/03/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.339	0.200	--	1.68	0.989	--		1
Chloromethane	0.506	0.200	--	1.04	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.61	1.00	--	6.20	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1635644
Report Date: 11/08/16

SAMPLE RESULTS

Lab ID: L1635644-03
Client ID: FAM-6
Sample Location: SUFFERN, NY

Date Collected: 11/03/16 12:34
Date Received: 11/03/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	0.333	0.200	--	1.17	0.705	--		1
Benzene	0.381	0.200	--	1.22	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	0.281	0.200	--	1.31	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.748	0.200	--	2.82	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.419	0.200	--	1.82	0.869	--		1
p/m-Xylene	0.745	0.400	--	3.24	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.382	0.200	--	1.66	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.306	0.200	--	1.50	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1635644
Report Date: 11/08/16

SAMPLE RESULTS

Lab ID: L1635644-03
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 11/03/16 12:34
 Date Received: 11/03/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	90		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1635644
Report Date: 11/08/16

SAMPLE RESULTS

Lab ID: L1635644-03
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 11/04/16 18:55
 Analyst: RY

Date Collected: 11/03/16 12:34
 Date Received: 11/03/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.068	0.020	--	0.428	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.040	0.020	--	0.271	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	87		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	91		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1636659
Report Date: 11/16/16

SAMPLE RESULTS

Lab ID: L1636659-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 11/11/16 17:08
 Analyst: RY

Date Collected: 11/10/16 12:53
 Date Received: 11/10/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.288	0.200	--	1.42	0.989	--		1
Chloromethane	0.480	0.200	--	0.991	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.40	1.00	--	3.33	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1636659
Report Date: 11/16/16

SAMPLE RESULTS

Lab ID: L1636659-01
Client ID: FAM-3
Sample Location: SUFFERN, NY

Date Collected: 11/10/16 12:53
Date Received: 11/10/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.437	0.200	--	1.65	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1636659
Report Date: 11/16/16

SAMPLE RESULTS

Lab ID: L1636659-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 11/10/16 12:53
 Date Received: 11/10/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	86		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1636659
Report Date: 11/16/16

SAMPLE RESULTS

Lab ID: L1636659-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 11/11/16 17:08
 Analyst: RY

Date Collected: 11/10/16 12:53
 Date Received: 11/10/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.070	0.020	--	0.440	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	86		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	88		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1636659
Report Date: 11/16/16

SAMPLE RESULTS

Lab ID: L1636659-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 11/11/16 18:18
 Analyst: RY

Date Collected: 11/10/16 12:57
 Date Received: 11/10/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.316	0.200	--	1.56	0.989	--		1
Chloromethane	0.534	0.200	--	1.10	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.28	1.00	--	3.04	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1636659
Report Date: 11/16/16

SAMPLE RESULTS

Lab ID: L1636659-02
Client ID: FAM-6
Sample Location: SUFFERN, NY

Date Collected: 11/10/16 12:57
Date Received: 11/10/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1636659
Report Date: 11/16/16

SAMPLE RESULTS

Lab ID: L1636659-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 11/10/16 12:57
 Date Received: 11/10/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	86		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	92		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1636659
Report Date: 11/16/16

SAMPLE RESULTS

Lab ID: L1636659-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 11/11/16 18:18
 Analyst: RY

Date Collected: 11/10/16 12:57
 Date Received: 11/10/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.069	0.020	--	0.434	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	86		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	93		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1636659
Report Date: 11/16/16

SAMPLE RESULTS

Lab ID: L1636659-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 11/11/16 18:53
 Analyst: RY

Date Collected: 11/10/16 13:00
 Date Received: 11/10/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.264	0.200	--	1.31	0.989	--		1
Chloromethane	0.502	0.200	--	1.04	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.49	1.00	--	3.54	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1636659
Report Date: 11/16/16

SAMPLE RESULTS

Lab ID: L1636659-03
Client ID: FAM-1
Sample Location: SUFFERN, NY

Date Collected: 11/10/16 13:00
Date Received: 11/10/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1636659
Report Date: 11/16/16

SAMPLE RESULTS

Lab ID: L1636659-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 11/10/16 13:00
 Date Received: 11/10/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	91		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1636659
Report Date: 11/16/16

SAMPLE RESULTS

Lab ID: L1636659-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 11/11/16 18:53
 Analyst: RY

Date Collected: 11/10/16 13:00
 Date Received: 11/10/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.067	0.020	--	0.421	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	88		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	91		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1637532
Report Date: 11/22/16

SAMPLE RESULTS

Lab ID: L1637532-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 11/18/16 19:54
 Analyst: RY

Date Collected: 11/17/16 12:22
 Date Received: 11/17/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.238	0.200	--	1.18	0.989	--		1
Chloromethane	0.494	0.200	--	1.02	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.59	1.00	--	3.78	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1637532
Report Date: 11/22/16

SAMPLE RESULTS

Lab ID: L1637532-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 11/17/16 12:22
 Date Received: 11/17/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.245	0.200	--	0.923	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1637532
Report Date: 11/22/16

SAMPLE RESULTS

Lab ID: L1637532-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 11/17/16 12:22
 Date Received: 11/17/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	98		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1637532
Report Date: 11/22/16

SAMPLE RESULTS

Lab ID: L1637532-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 11/18/16 19:54
 Analyst: RY

Date Collected: 11/17/16 12:22
 Date Received: 11/17/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.069	0.020	--	0.434	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	97		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1637532
Report Date: 11/22/16

SAMPLE RESULTS

Lab ID: L1637532-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 11/18/16 20:29
 Analyst: RY

Date Collected: 11/17/16 12:26
 Date Received: 11/17/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.247	0.200	--	1.22	0.989	--		1
Chloromethane	0.504	0.200	--	1.04	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.64	1.00	--	3.90	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1637532
Report Date: 11/22/16

SAMPLE RESULTS

Lab ID: L1637532-02
Client ID: FAM-6
Sample Location: SUFFERN, NY

Date Collected: 11/17/16 12:26
Date Received: 11/17/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	0.241	0.200	--	0.849	0.705	--		1
Benzene	0.261	0.200	--	0.834	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.222	0.200	--	0.837	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1637532
Report Date: 11/22/16

SAMPLE RESULTS

Lab ID: L1637532-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 11/17/16 12:26
 Date Received: 11/17/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	97		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1637532
Report Date: 11/22/16

SAMPLE RESULTS

Lab ID: L1637532-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 11/18/16 20:29
 Analyst: RY

Date Collected: 11/17/16 12:26
 Date Received: 11/17/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.071	0.020	--	0.447	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	91		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	95		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1637532
Report Date: 11/22/16

SAMPLE RESULTS

Lab ID: L1637532-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 11/18/16 21:39
 Analyst: RY

Date Collected: 11/17/16 12:29
 Date Received: 11/17/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.237	0.200	--	1.17	0.989	--		1
Chloromethane	0.484	0.200	--	0.999	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.76	1.00	--	4.18	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1637532
Report Date: 11/22/16

SAMPLE RESULTS

Lab ID: L1637532-03
Client ID: FAM-1
Sample Location: SUFFERN, NY

Date Collected: 11/17/16 12:29
Date Received: 11/17/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.203	0.200	--	0.649	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.219	0.200	--	0.825	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1637532
Report Date: 11/22/16

SAMPLE RESULTS

Lab ID: L1637532-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 11/17/16 12:29
 Date Received: 11/17/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	95		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1637532
Report Date: 11/22/16

SAMPLE RESULTS

Lab ID: L1637532-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 11/18/16 21:39
 Analyst: RY

Date Collected: 11/17/16 12:29
 Date Received: 11/17/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.069	0.020	--	0.434	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	90		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	92		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1638311
Report Date: 11/30/16

SAMPLE RESULTS

Lab ID: L1638311-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 11/29/16 21:09
 Analyst: RY

Date Collected: 11/23/16 13:32
 Date Received: 11/23/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.364	0.200	--	1.80	0.989	--		1
Chloromethane	0.550	0.200	--	1.14	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.33	1.00	--	3.16	2.38	--		1
Trichlorofluoromethane	0.286	0.200	--	1.61	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.800	0.500	--	2.78	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1638311
Report Date: 11/30/16

SAMPLE RESULTS

Lab ID: L1638311-01
Client ID: FAM-3
Sample Location: SUFFERN, NY

Date Collected: 11/23/16 13:32
Date Received: 11/23/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1638311
Report Date: 11/30/16

SAMPLE RESULTS

Lab ID: L1638311-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 11/23/16 13:32
 Date Received: 11/23/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	60		60-140
Bromochloromethane	77		60-140
chlorobenzene-d5	86		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1638311
Report Date: 11/30/16

SAMPLE RESULTS

Lab ID: L1638311-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 11/29/16 21:09
 Analyst: RY

Date Collected: 11/23/16 13:32
 Date Received: 11/23/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.107	0.020	--	0.673	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	61		60-140
bromochloromethane	77		60-140
chlorobenzene-d5	88		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1638311
Report Date: 11/30/16

SAMPLE RESULTS

Lab ID: L1638311-02
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 11/29/16 21:41
 Analyst: RY

Date Collected: 11/23/16 13:24
 Date Received: 11/23/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.392	0.200	--	1.94	0.989	--		1
Chloromethane	0.543	0.200	--	1.12	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	0.253	0.200	--	1.42	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1638311
Report Date: 11/30/16

SAMPLE RESULTS

Lab ID: L1638311-02
Client ID: FAM-5
Sample Location: SUFFERN, NY

Date Collected: 11/23/16 13:24
Date Received: 11/23/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1638311
Report Date: 11/30/16

SAMPLE RESULTS

Lab ID: L1638311-02
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 11/23/16 13:24
 Date Received: 11/23/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	62		60-140
Bromochloromethane	78		60-140
chlorobenzene-d5	84		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1638311
Report Date: 11/30/16

SAMPLE RESULTS

Lab ID: L1638311-02
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 11/29/16 21:41
 Analyst: RY

Date Collected: 11/23/16 13:24
 Date Received: 11/23/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.102	0.020	--	0.642	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	63		60-140
bromochloromethane	78		60-140
chlorobenzene-d5	85		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1638311
Report Date: 11/30/16

SAMPLE RESULTS

Lab ID: L1638311-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 11/29/16 22:14
 Analyst: RY

Date Collected: 11/23/16 13:11
 Date Received: 11/23/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.422	0.200	--	2.09	0.989	--		1
Chloromethane	0.555	0.200	--	1.15	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	0.269	0.200	--	1.51	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1638311
Report Date: 11/30/16

SAMPLE RESULTS

Lab ID: L1638311-03
Client ID: FAM-2
Sample Location: SUFFERN, NY

Date Collected: 11/23/16 13:11
Date Received: 11/23/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1638311
Report Date: 11/30/16

SAMPLE RESULTS

Lab ID: L1638311-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 11/23/16 13:11
 Date Received: 11/23/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	63		60-140
Bromochloromethane	78		60-140
chlorobenzene-d5	83		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1638311
Report Date: 11/30/16

SAMPLE RESULTS

Lab ID: L1638311-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 11/29/16 22:14
 Analyst: RY

Date Collected: 11/23/16 13:11
 Date Received: 11/23/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.101	0.020	--	0.635	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	63		60-140
bromochloromethane	79		60-140
chlorobenzene-d5	85		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1639053
Report Date: 12/08/16

SAMPLE RESULTS

Lab ID: L1639053-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 12/05/16 18:46
 Analyst: MB

Date Collected: 12/01/16 12:35
 Date Received: 12/01/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.410	0.200	--	2.03	0.989	--		1
Chloromethane	0.510	0.200	--	1.05	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.20	1.00	--	2.85	2.38	--		1
Trichlorofluoromethane	0.218	0.200	--	1.23	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1639053
Report Date: 12/08/16

SAMPLE RESULTS

Lab ID: L1639053-01
Client ID: FAM-5
Sample Location: SUFFERN, NY

Date Collected: 12/01/16 12:35
Date Received: 12/01/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1639053
Report Date: 12/08/16

SAMPLE RESULTS

Lab ID: L1639053-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 12/01/16 12:35
 Date Received: 12/01/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	73		60-140
Bromochloromethane	87		60-140
chlorobenzene-d5	70		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1639053
Report Date: 12/08/16

SAMPLE RESULTS

Lab ID: L1639053-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 12/05/16 18:46
 Analyst: MB

Date Collected: 12/01/16 12:35
 Date Received: 12/01/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.084	0.020	--	0.528	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.068	0.020	--	0.461	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	72		60-140
bromochloromethane	85		60-140
chlorobenzene-d5	71		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1639053
Report Date: 12/08/16

SAMPLE RESULTS

Lab ID: L1639053-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 12/05/16 19:50
 Analyst: MB

Date Collected: 12/01/16 12:37
 Date Received: 12/01/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.449	0.200	--	2.22	0.989	--		1
Chloromethane	0.544	0.200	--	1.12	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.35	1.00	--	3.21	2.38	--		1
Trichlorofluoromethane	0.234	0.200	--	1.31	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1639053
Report Date: 12/08/16

SAMPLE RESULTS

Lab ID: L1639053-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 12/01/16 12:37
 Date Received: 12/01/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1639053
Report Date: 12/08/16

SAMPLE RESULTS

Lab ID: L1639053-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 12/01/16 12:37
 Date Received: 12/01/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	70		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	74		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1639053
Report Date: 12/08/16

SAMPLE RESULTS

Lab ID: L1639053-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 12/05/16 19:50
 Analyst: MB

Date Collected: 12/01/16 12:37
 Date Received: 12/01/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.083	0.020	--	0.522	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.073	0.020	--	0.495	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	72		60-140
bromochloromethane	84		60-140
chlorobenzene-d5	75		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1639053
Report Date: 12/08/16

SAMPLE RESULTS

Lab ID: L1639053-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 12/05/16 20:23
 Analyst: MB

Date Collected: 12/01/16 12:43
 Date Received: 12/01/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.514	0.200	--	2.54	0.989	--		1
Chloromethane	0.593	0.200	--	1.22	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.28	1.00	--	3.04	2.38	--		1
Trichlorofluoromethane	0.233	0.200	--	1.31	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	1.18	0.500	--	4.10	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1639053
Report Date: 12/08/16

SAMPLE RESULTS

Lab ID: L1639053-03
Client ID: FAM-2
Sample Location: SUFFERN, NY

Date Collected: 12/01/16 12:43
Date Received: 12/01/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1639053
Report Date: 12/08/16

SAMPLE RESULTS

Lab ID: L1639053-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 12/01/16 12:43
 Date Received: 12/01/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	71		60-140
Bromochloromethane	83		60-140
chlorobenzene-d5	74		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1639053
Report Date: 12/08/16

SAMPLE RESULTS

Lab ID: L1639053-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 12/05/16 20:23
 Analyst: MB

Date Collected: 12/01/16 12:43
 Date Received: 12/01/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.085	0.020	--	0.535	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.048	0.020	--	0.325	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	71		60-140
bromochloromethane	82		60-140
chlorobenzene-d5	75		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1639955
Report Date: 12/14/16

SAMPLE RESULTS

Lab ID: L1639955-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 12/09/16 16:52
 Analyst: RY

Date Collected: 12/08/16 12:20
 Date Received: 12/08/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.449	0.200	--	2.22	0.989	--		1
Chloromethane	0.465	0.200	--	0.960	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.07	1.00	--	2.54	2.38	--		1
Trichlorofluoromethane	0.243	0.200	--	1.37	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1639955
Report Date: 12/14/16

SAMPLE RESULTS

Lab ID: L1639955-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 12/08/16 12:20
 Date Received: 12/08/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.240	0.200	--	0.767	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.378	0.200	--	1.42	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1639955
Report Date: 12/14/16

SAMPLE RESULTS

Lab ID: L1639955-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 12/08/16 12:20
 Date Received: 12/08/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	86		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1639955
Report Date: 12/14/16

SAMPLE RESULTS

Lab ID: L1639955-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 12/09/16 16:52
 Analyst: RY

Date Collected: 12/08/16 12:20
 Date Received: 12/08/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.078	0.020	--	0.491	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	88		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	88		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1639955
Report Date: 12/14/16

SAMPLE RESULTS

Lab ID: L1639955-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 12/09/16 17:24
 Analyst: RY

Date Collected: 12/08/16 12:25
 Date Received: 12/08/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.455	0.200	--	2.25	0.989	--		1
Chloromethane	0.457	0.200	--	0.944	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	0.231	0.200	--	1.30	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1639955
Report Date: 12/14/16

SAMPLE RESULTS

Lab ID: L1639955-02
Client ID: FAM-6
Sample Location: SUFFERN, NY

Date Collected: 12/08/16 12:25
Date Received: 12/08/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.350	0.200	--	1.12	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.470	0.200	--	1.77	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1639955
Report Date: 12/14/16

SAMPLE RESULTS

Lab ID: L1639955-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 12/08/16 12:25
 Date Received: 12/08/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	88		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1639955
Report Date: 12/14/16

SAMPLE RESULTS

Lab ID: L1639955-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 12/09/16 17:24
 Analyst: RY

Date Collected: 12/08/16 12:25
 Date Received: 12/08/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.078	0.020	--	0.491	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	89		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	89		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1639955
Report Date: 12/14/16

SAMPLE RESULTS

Lab ID: L1639955-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 12/09/16 18:27
 Analyst: RY

Date Collected: 12/08/16 12:29
 Date Received: 12/08/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.548	0.200	--	2.71	0.989	--		1
Chloromethane	0.466	0.200	--	0.962	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	0.229	0.200	--	1.29	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1639955
Report Date: 12/14/16

SAMPLE RESULTS

Lab ID: L1639955-03
Client ID: FAM-1
Sample Location: SUFFERN, NY

Date Collected: 12/08/16 12:29
Date Received: 12/08/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.262	0.200	--	0.837	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.323	0.200	--	1.22	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1639955
Report Date: 12/14/16

SAMPLE RESULTS

Lab ID: L1639955-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 12/08/16 12:29
 Date Received: 12/08/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	91		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1639955
Report Date: 12/14/16

SAMPLE RESULTS

Lab ID: L1639955-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 12/09/16 18:27
 Analyst: RY

Date Collected: 12/08/16 12:29
 Date Received: 12/08/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.074	0.020	--	0.465	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	89		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	92		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1640978
Report Date: 12/21/16

SAMPLE RESULTS

Lab ID: L1640978-01
 Client ID: FAM-4
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 12/16/16 18:04
 Analyst: MR

Date Collected: 12/15/16 12:49
 Date Received: 12/15/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.393	0.200	--	1.94	0.989	--		1
Chloromethane	0.490	0.200	--	1.01	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.07	1.00	--	2.54	2.38	--		1
Trichlorofluoromethane	0.248	0.200	--	1.39	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1640978
Report Date: 12/21/16

SAMPLE RESULTS

Lab ID: L1640978-01
 Client ID: FAM-4
 Sample Location: SUFFERN, NY

Date Collected: 12/15/16 12:49
 Date Received: 12/15/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1640978
Report Date: 12/21/16

SAMPLE RESULTS

Lab ID: L1640978-01
 Client ID: FAM-4
 Sample Location: SUFFERN, NY

Date Collected: 12/15/16 12:49
 Date Received: 12/15/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	92		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1640978
Report Date: 12/21/16

SAMPLE RESULTS

Lab ID: L1640978-01
 Client ID: FAM-4
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 12/16/16 18:04
 Analyst: MR

Date Collected: 12/15/16 12:49
 Date Received: 12/15/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.076	0.020	--	0.478	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	122		60-140
bromochloromethane	126		60-140
chlorobenzene-d5	120		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1640978
Report Date: 12/21/16

SAMPLE RESULTS

Lab ID: L1640978-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 12/16/16 18:36
 Analyst: MR

Date Collected: 12/15/16 12:53
 Date Received: 12/15/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.424	0.200	--	2.10	0.989	--		1
Chloromethane	0.454	0.200	--	0.938	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	0.232	0.200	--	1.30	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1640978
Report Date: 12/21/16

SAMPLE RESULTS

Lab ID: L1640978-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 12/15/16 12:53
 Date Received: 12/15/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1640978
Report Date: 12/21/16

SAMPLE RESULTS

Lab ID: L1640978-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 12/15/16 12:53
 Date Received: 12/15/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	91		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1640978
Report Date: 12/21/16

SAMPLE RESULTS

Lab ID: L1640978-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 12/16/16 18:36
 Analyst: MR

Date Collected: 12/15/16 12:53
 Date Received: 12/15/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.075	0.020	--	0.472	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	124		60-140
bromochloromethane	125		60-140
chlorobenzene-d5	119		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1640978
Report Date: 12/21/16

SAMPLE RESULTS

Lab ID: L1640978-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 12/16/16 19:42
 Analyst: MR

Date Collected: 12/15/16 12:58
 Date Received: 12/15/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.414	0.200	--	2.05	0.989	--		1
Chloromethane	0.515	0.200	--	1.06	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.43	1.00	--	3.40	2.38	--		1
Trichlorofluoromethane	0.296	0.200	--	1.66	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1640978
Report Date: 12/21/16

SAMPLE RESULTS

Lab ID: L1640978-03
Client ID: FAM-2
Sample Location: SUFFERN, NY

Date Collected: 12/15/16 12:58
Date Received: 12/15/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.376	0.200	--	1.42	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1640978
Report Date: 12/21/16

SAMPLE RESULTS

Lab ID: L1640978-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 12/15/16 12:58
 Date Received: 12/15/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	67		60-140
Bromochloromethane	82		60-140
chlorobenzene-d5	86		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1640978
Report Date: 12/21/16

SAMPLE RESULTS

Lab ID: L1640978-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 12/16/16 19:42
 Analyst: MR

Date Collected: 12/15/16 12:58
 Date Received: 12/15/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.100	0.020	--	0.629	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	88		60-140
bromochloromethane	105		60-140
chlorobenzene-d5	112		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1641927
Report Date: 12/30/16

SAMPLE RESULTS

Lab ID: L1641927-01
 Client ID: FAM-4
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 12/27/16 18:25
 Analyst: RY

Date Collected: 12/22/16 12:28
 Date Received: 12/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.523	0.200	--	2.59	0.989	--		1
Chloromethane	0.493	0.200	--	1.02	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.22	1.00	--	5.27	2.38	--		1
Trichlorofluoromethane	0.293	0.200	--	1.65	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.513	0.500	--	1.78	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1641927
Report Date: 12/30/16

SAMPLE RESULTS

Lab ID: L1641927-01
Client ID: FAM-4
Sample Location: SUFFERN, NY

Date Collected: 12/22/16 12:28
Date Received: 12/22/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.341	0.200	--	1.09	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.344	0.200	--	1.30	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1641927
Report Date: 12/30/16

SAMPLE RESULTS

Lab ID: L1641927-01
 Client ID: FAM-4
 Sample Location: SUFFERN, NY

Date Collected: 12/22/16 12:28
 Date Received: 12/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	91		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1641927
Report Date: 12/30/16

SAMPLE RESULTS

Lab ID: L1641927-01
 Client ID: FAM-4
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 12/27/16 18:25
 Analyst: RY

Date Collected: 12/22/16 12:28
 Date Received: 12/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.082	0.020	--	0.516	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.037	0.020	--	0.251	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	90		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	92		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1641927
Report Date: 12/30/16

SAMPLE RESULTS

Lab ID: L1641927-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 12/27/16 18:57
 Analyst: RY

Date Collected: 12/22/16 12:33
 Date Received: 12/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.507	0.200	--	2.51	0.989	--		1
Chloromethane	0.474	0.200	--	0.979	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.33	1.00	--	5.53	2.38	--		1
Trichlorofluoromethane	0.288	0.200	--	1.62	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1641927
Report Date: 12/30/16

SAMPLE RESULTS

Lab ID: L1641927-02
Client ID: FAM-1
Sample Location: SUFFERN, NY

Date Collected: 12/22/16 12:33
Date Received: 12/22/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.343	0.200	--	1.10	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.385	0.200	--	1.45	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1641927
Report Date: 12/30/16

SAMPLE RESULTS

Lab ID: L1641927-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 12/22/16 12:33
 Date Received: 12/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	96		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1641927
Report Date: 12/30/16

SAMPLE RESULTS

Lab ID: L1641927-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 12/27/16 18:57
 Analyst: RY

Date Collected: 12/22/16 12:33
 Date Received: 12/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.083	0.020	--	0.522	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.096	0.020	--	0.651	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	97		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1641927
Report Date: 12/30/16

SAMPLE RESULTS

Lab ID: L1641927-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 12/27/16 19:28
 Analyst: RY

Date Collected: 12/22/16 12:26
 Date Received: 12/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.552	0.200	--	2.73	0.989	--		1
Chloromethane	0.525	0.200	--	1.08	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.16	1.00	--	5.13	2.38	--		1
Trichlorofluoromethane	0.250	0.200	--	1.40	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1641927
Report Date: 12/30/16

SAMPLE RESULTS

Lab ID: L1641927-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 12/22/16 12:26
 Date Received: 12/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.321	0.200	--	1.03	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.400	0.200	--	1.51	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1641927
Report Date: 12/30/16

SAMPLE RESULTS

Lab ID: L1641927-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 12/22/16 12:26
 Date Received: 12/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	83		60-140
Bromochloromethane	83		60-140
chlorobenzene-d5	87		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1641927
Report Date: 12/30/16

SAMPLE RESULTS

Lab ID: L1641927-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 12/27/16 19:28
 Analyst: RY

Date Collected: 12/22/16 12:26
 Date Received: 12/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.086	0.020	--	0.541	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.080	0.020	--	0.542	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	86		60-140
bromochloromethane	85		60-140
chlorobenzene-d5	89		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1642484
Report Date: 01/03/17

SAMPLE RESULTS

Lab ID: L1642484-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 12/30/16 20:24
 Analyst: MB

Date Collected: 12/29/16 12:33
 Date Received: 12/29/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.452	0.200	--	2.24	0.989	--		1
Chloromethane	0.441	0.200	--	0.911	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.65	1.00	--	3.92	2.38	--		1
Trichlorofluoromethane	0.239	0.200	--	1.34	1.12	--		1
Isopropanol	0.901	0.500	--	2.21	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.607	0.500	--	2.11	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1642484
Report Date: 01/03/17

SAMPLE RESULTS

Lab ID: L1642484-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 12/29/16 12:33
 Date Received: 12/29/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.391	0.200	--	1.47	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1642484
Report Date: 01/03/17

SAMPLE RESULTS

Lab ID: L1642484-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 12/29/16 12:33
 Date Received: 12/29/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	84		60-140
chlorobenzene-d5	84		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1642484
Report Date: 01/03/17

SAMPLE RESULTS

Lab ID: L1642484-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 12/30/16 20:24
 Analyst: MB

Date Collected: 12/29/16 12:33
 Date Received: 12/29/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.073	0.020	--	0.459	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.047	0.020	--	0.319	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	90		60-140
bromochloromethane	87		60-140
chlorobenzene-d5	84		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1642484
Report Date: 01/03/17

SAMPLE RESULTS

Lab ID: L1642484-02
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 12/30/16 20:59
 Analyst: MB

Date Collected: 12/29/16 12:24
 Date Received: 12/29/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.404	0.200	--	2.00	0.989	--		1
Chloromethane	0.491	0.200	--	1.01	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.10	1.00	--	2.61	2.38	--		1
Trichlorofluoromethane	0.243	0.200	--	1.37	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1642484
Report Date: 01/03/17

SAMPLE RESULTS

Lab ID: L1642484-02
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 12/29/16 12:24
 Date Received: 12/29/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1642484
Report Date: 01/03/17

SAMPLE RESULTS

Lab ID: L1642484-02
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 12/29/16 12:24
 Date Received: 12/29/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	85		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1642484
Report Date: 01/03/17

SAMPLE RESULTS

Lab ID: L1642484-02
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 12/30/16 20:59
 Analyst: MB

Date Collected: 12/29/16 12:24
 Date Received: 12/29/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.074	0.020	--	0.465	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.060	0.020	--	0.407	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	88		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	85		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1642484
Report Date: 01/03/17

SAMPLE RESULTS

Lab ID: L1642484-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 12/30/16 22:07
 Analyst: MB

Date Collected: 12/29/16 12:09
 Date Received: 12/29/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.429	0.200	--	2.12	0.989	--		1
Chloromethane	0.454	0.200	--	0.938	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.13	1.00	--	2.68	2.38	--		1
Trichlorofluoromethane	0.225	0.200	--	1.26	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.954	0.500	--	3.31	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1642484
Report Date: 01/03/17

SAMPLE RESULTS

Lab ID: L1642484-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 12/29/16 12:09
 Date Received: 12/29/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1642484
Report Date: 01/03/17

SAMPLE RESULTS

Lab ID: L1642484-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 12/29/16 12:09
 Date Received: 12/29/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	84		60-140
chlorobenzene-d5	84		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1642484
Report Date: 01/03/17

SAMPLE RESULTS

Lab ID: L1642484-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 12/30/16 22:07
 Analyst: MB

Date Collected: 12/29/16 12:09
 Date Received: 12/29/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.075	0.020	--	0.472	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.058	0.020	--	0.393	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	87		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	84		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1700449
Report Date: 01/10/17

SAMPLE RESULTS

Lab ID: L1700449-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 01/06/17 21:00
 Analyst: MB

Date Collected: 01/05/17 12:32
 Date Received: 01/05/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.741	0.200	--	3.66	0.989	--		1
Chloromethane	0.462	0.200	--	0.954	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.21	1.00	--	2.87	2.38	--		1
Trichlorofluoromethane	0.243	0.200	--	1.37	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	2.53	0.500	--	8.79	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1700449
Report Date: 01/10/17

SAMPLE RESULTS

Lab ID: L1700449-01
Client ID: FAM-5
Sample Location: SUFFERN, NY

Date Collected: 01/05/17 12:32
Date Received: 01/05/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1700449
Report Date: 01/10/17

SAMPLE RESULTS

Lab ID: L1700449-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 01/05/17 12:32
 Date Received: 01/05/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	86		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	84		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1700449
Report Date: 01/10/17

SAMPLE RESULTS

Lab ID: L1700449-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 01/06/17 21:00
 Analyst: MB

Date Collected: 01/05/17 12:32
 Date Received: 01/05/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.077	0.020	--	0.484	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	85		60-140
bromochloromethane	87		60-140
chlorobenzene-d5	84		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1700449
Report Date: 01/10/17

SAMPLE RESULTS

Lab ID: L1700449-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 01/06/17 22:09
 Analyst: MB

Date Collected: 01/05/17 12:35
 Date Received: 01/05/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.560	0.200	--	2.77	0.989	--		1
Chloromethane	0.449	0.200	--	0.927	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.03	1.00	--	2.45	2.38	--		1
Trichlorofluoromethane	0.221	0.200	--	1.24	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	7.03	0.500	--	24.4	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1700449
Report Date: 01/10/17

SAMPLE RESULTS

Lab ID: L1700449-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 01/05/17 12:35
 Date Received: 01/05/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	0.259	0.200	--	0.913	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.222	0.200	--	0.837	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1700449
Report Date: 01/10/17

SAMPLE RESULTS

Lab ID: L1700449-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 01/05/17 12:35
 Date Received: 01/05/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	87		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1700449
Report Date: 01/10/17

SAMPLE RESULTS

Lab ID: L1700449-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 01/06/17 22:09
 Analyst: MB

Date Collected: 01/05/17 12:35
 Date Received: 01/05/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.074	0.020	--	0.465	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.021	0.020	--	0.142	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	88		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	86		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1700449
Report Date: 01/10/17

SAMPLE RESULTS

Lab ID: L1700449-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 01/06/17 22:43
 Analyst: MB

Date Collected: 01/05/17 12:37
 Date Received: 01/05/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.364	0.200	--	1.80	0.989	--		1
Chloromethane	0.444	0.200	--	0.917	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.07	1.00	--	2.54	2.38	--		1
Trichlorofluoromethane	0.255	0.200	--	1.43	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1700449
Report Date: 01/10/17

SAMPLE RESULTS

Lab ID: L1700449-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 01/05/17 12:37
 Date Received: 01/05/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1700449
Report Date: 01/10/17

SAMPLE RESULTS

Lab ID: L1700449-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 01/05/17 12:37
 Date Received: 01/05/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	86		60-140
Bromochloromethane	87		60-140
chlorobenzene-d5	85		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1700449
Report Date: 01/10/17

SAMPLE RESULTS

Lab ID: L1700449-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 01/06/17 22:43
 Analyst: MB

Date Collected: 01/05/17 12:37
 Date Received: 01/05/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.076	0.020	--	0.478	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	86		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	84		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1701212
Report Date: 01/18/17

SAMPLE RESULTS

Lab ID: L1701212-01
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 01/16/17 17:04
 Analyst: MB

Date Collected: 01/12/17 12:32
 Date Received: 01/12/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloromethane	0.565	0.200	--	1.17	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.16	1.00	--	5.13	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	0.741	0.500	--	1.82	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	1.68	0.500	--	5.84	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.314	0.200	--	1.11	0.705	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1701212
Report Date: 01/18/17

SAMPLE RESULTS

Lab ID: L1701212-01
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 01/12/17 12:32
 Date Received: 01/12/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Benzene	0.452	0.200	--	1.44	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.762	0.200	--	2.87	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1701212
Report Date: 01/18/17

SAMPLE RESULTS

Lab ID: L1701212-01
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 01/12/17 12:32
 Date Received: 01/12/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	103		60-140
Bromochloromethane	102		60-140
chlorobenzene-d5	99		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1701212
Report Date: 01/18/17

SAMPLE RESULTS

Lab ID: L1701212-01
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 01/16/17 17:04
 Analyst: MB

Date Collected: 01/12/17 12:32
 Date Received: 01/12/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.356	0.200	--	1.76	0.989	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.060	0.020	--	0.377	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.054	0.020	--	0.366	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	96		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	96		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1701212
Report Date: 01/18/17

SAMPLE RESULTS

Lab ID: L1701212-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 01/16/17 18:13
 Analyst: MB

Date Collected: 01/12/17 12:35
 Date Received: 01/12/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloromethane	0.523	0.200	--	1.08	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.53	1.00	--	6.01	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	0.664	0.500	--	1.63	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.269	0.200	--	0.948	0.705	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1701212
Report Date: 01/18/17

SAMPLE RESULTS

Lab ID: L1701212-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 01/12/17 12:35
 Date Received: 01/12/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Benzene	0.467	0.200	--	1.49	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.634	0.200	--	2.39	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1701212
Report Date: 01/18/17

SAMPLE RESULTS

Lab ID: L1701212-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 01/12/17 12:35
 Date Received: 01/12/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	99		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	96		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1701212
Report Date: 01/18/17

SAMPLE RESULTS

Lab ID: L1701212-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 01/16/17 18:13
 Analyst: MB

Date Collected: 01/12/17 12:35
 Date Received: 01/12/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.297	0.200	--	1.47	0.989	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.062	0.020	--	0.390	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.051	0.020	--	0.346	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	93		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	92		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1701212
Report Date: 01/18/17

SAMPLE RESULTS

Lab ID: L1701212-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 01/16/17 18:48
 Analyst: MB

Date Collected: 01/12/17 12:38
 Date Received: 01/12/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloromethane	0.513	0.200	--	1.06	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.08	1.00	--	4.94	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1701212
Report Date: 01/18/17

SAMPLE RESULTS

Lab ID: L1701212-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 01/12/17 12:38
 Date Received: 01/12/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Benzene	0.299	0.200	--	0.955	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.430	0.200	--	1.62	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1701212
Report Date: 01/18/17

SAMPLE RESULTS

Lab ID: L1701212-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 01/12/17 12:38
 Date Received: 01/12/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	93		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1701212
Report Date: 01/18/17

SAMPLE RESULTS

Lab ID: L1701212-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 01/16/17 18:48
 Analyst: MB

Date Collected: 01/12/17 12:38
 Date Received: 01/12/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.240	0.200	--	1.19	0.989	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.062	0.020	--	0.390	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.035	0.020	--	0.237	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	91		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	89		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1701925
Report Date: 01/25/17

SAMPLE RESULTS

Lab ID: L1701925-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 01/21/17 18:07
 Analyst: MB

Date Collected: 01/19/17 12:32
 Date Received: 01/19/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.556	0.200	--	2.75	0.989	--		1
Chloromethane	0.559	0.200	--	1.15	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.37	1.00	--	3.25	2.38	--		1
Trichlorofluoromethane	0.293	0.200	--	1.65	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1701925
Report Date: 01/25/17

SAMPLE RESULTS

Lab ID: L1701925-01
Client ID: FAM-3
Sample Location: SUFFERN, NY

Date Collected: 01/19/17 12:32
Date Received: 01/19/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1701925
Report Date: 01/25/17

SAMPLE RESULTS

Lab ID: L1701925-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 01/19/17 12:32
 Date Received: 01/19/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	77		60-140
Bromochloromethane	75		60-140
chlorobenzene-d5	72		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1701925
Report Date: 01/25/17

SAMPLE RESULTS

Lab ID: L1701925-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 01/21/17 18:07
 Analyst: MB

Date Collected: 01/19/17 12:32
 Date Received: 01/19/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.079	0.020	--	0.497	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	79		60-140
bromochloromethane	79		60-140
chlorobenzene-d5	77		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1701925
Report Date: 01/25/17

SAMPLE RESULTS

Lab ID: L1701925-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 01/21/17 18:42
 Analyst: MB

Date Collected: 01/19/17 12:46
 Date Received: 01/19/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.754	0.200	--	3.73	0.989	--		1
Chloromethane	0.464	0.200	--	0.958	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.76	1.00	--	4.18	2.38	--		1
Trichlorofluoromethane	0.300	0.200	--	1.69	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	1.56	0.500	--	5.42	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	1.04	0.200	--	5.08	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1701925
Report Date: 01/25/17

SAMPLE RESULTS

Lab ID: L1701925-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 01/19/17 12:46
 Date Received: 01/19/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.371	0.200	--	1.40	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1701925
Report Date: 01/25/17

SAMPLE RESULTS

Lab ID: L1701925-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 01/19/17 12:46
 Date Received: 01/19/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	71		60-140
Bromochloromethane	69		60-140
chlorobenzene-d5	70		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1701925
Report Date: 01/25/17

SAMPLE RESULTS

Lab ID: L1701925-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 01/21/17 18:42
 Analyst: MB

Date Collected: 01/19/17 12:46
 Date Received: 01/19/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.083	0.020	--	0.522	0.126	--		1
Trichloroethene	0.029	0.020	--	0.156	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	74		60-140
bromochloromethane	74		60-140
chlorobenzene-d5	75		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1701925
Report Date: 01/25/17

SAMPLE RESULTS

Lab ID: L1701925-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 01/21/17 19:50
 Analyst: MB

Date Collected: 01/19/17 12:42
 Date Received: 01/19/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.459	0.200	--	2.27	0.989	--		1
Chloromethane	0.507	0.200	--	1.05	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.17	1.00	--	2.78	2.38	--		1
Trichlorofluoromethane	0.349	0.200	--	1.96	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1701925
Report Date: 01/25/17

SAMPLE RESULTS

Lab ID: L1701925-03
Client ID: FAM-1
Sample Location: SUFFERN, NY

Date Collected: 01/19/17 12:42
Date Received: 01/19/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1701925
Report Date: 01/25/17

SAMPLE RESULTS

Lab ID: L1701925-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 01/19/17 12:42
 Date Received: 01/19/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	66		60-140
Bromochloromethane	67		60-140
chlorobenzene-d5	66		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1701925
Report Date: 01/25/17

SAMPLE RESULTS

Lab ID: L1701925-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 01/21/17 19:50
 Analyst: MB

Date Collected: 01/19/17 12:42
 Date Received: 01/19/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.088	0.020	--	0.554	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	69		60-140
bromochloromethane	71		60-140
chlorobenzene-d5	71		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1702712
Report Date: 02/01/17

SAMPLE RESULTS

Lab ID: L1702712-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 01/31/17 21:52
 Analyst: RY

Date Collected: 01/26/17 12:34
 Date Received: 01/26/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.346	0.200	--	1.71	0.989	--		1
Chloromethane	0.553	0.200	--	1.14	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	18.1	5.00	--	34.1	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.51	1.00	--	8.34	2.38	--		1
Trichlorofluoromethane	0.288	0.200	--	1.62	1.12	--		1
Isopropanol	1.02	0.500	--	2.51	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.979	0.500	--	3.40	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.459	0.200	--	2.24	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1702712
Report Date: 02/01/17

SAMPLE RESULTS

Lab ID: L1702712-01
Client ID: FAM-5
Sample Location: SUFFERN, NY

Date Collected: 01/26/17 12:34
Date Received: 01/26/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.200	0.200	--	0.639	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.288	0.200	--	1.09	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1702712
Report Date: 02/01/17

SAMPLE RESULTS

Lab ID: L1702712-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 01/26/17 12:34
 Date Received: 01/26/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	104		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	100		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1702712
Report Date: 02/01/17

SAMPLE RESULTS

Lab ID: L1702712-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 01/31/17 21:52
 Analyst: RY

Date Collected: 01/26/17 12:34
 Date Received: 01/26/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.074	0.020	--	0.465	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	107		60-140
bromochloromethane	87		60-140
chlorobenzene-d5	106		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1702712
Report Date: 02/01/17

SAMPLE RESULTS

Lab ID: L1702712-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 01/31/17 22:24
 Analyst: RY

Date Collected: 01/26/17 12:51
 Date Received: 01/26/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.347	0.200	--	1.72	0.989	--		1
Chloromethane	0.490	0.200	--	1.01	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.24	1.00	--	2.95	2.38	--		1
Trichlorofluoromethane	0.261	0.200	--	1.47	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1702712
Report Date: 02/01/17

SAMPLE RESULTS

Lab ID: L1702712-02
Client ID: FAM-1
Sample Location: SUFFERN, NY

Date Collected: 01/26/17 12:51
Date Received: 01/26/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.221	0.200	--	0.706	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.283	0.200	--	1.07	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1702712
Report Date: 02/01/17

SAMPLE RESULTS

Lab ID: L1702712-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 01/26/17 12:51
 Date Received: 01/26/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	84		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1702712
Report Date: 02/01/17

SAMPLE RESULTS

Lab ID: L1702712-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 01/31/17 22:24
 Analyst: RY

Date Collected: 01/26/17 12:51
 Date Received: 01/26/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.079	0.020	--	0.497	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.024	0.020	--	0.163	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	93		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	92		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1702712
Report Date: 02/01/17

SAMPLE RESULTS

Lab ID: L1702712-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 01/31/17 22:57
 Analyst: RY

Date Collected: 01/26/17 12:55
 Date Received: 01/26/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.411	0.200	--	2.03	0.989	--		1
Chloromethane	0.557	0.200	--	1.15	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.13	1.00	--	2.68	2.38	--		1
Trichlorofluoromethane	0.251	0.200	--	1.41	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1702712
Report Date: 02/01/17

SAMPLE RESULTS

Lab ID: L1702712-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 01/26/17 12:55
 Date Received: 01/26/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.235	0.200	--	0.751	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.247	0.200	--	0.931	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1702712
Report Date: 02/01/17

SAMPLE RESULTS

Lab ID: L1702712-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 01/26/17 12:55
 Date Received: 01/26/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	85		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	86		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1702712
Report Date: 02/01/17

SAMPLE RESULTS

Lab ID: L1702712-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 01/31/17 22:57
 Analyst: RY

Date Collected: 01/26/17 12:55
 Date Received: 01/26/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.080	0.020	--	0.503	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.027	0.020	--	0.183	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	89		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1703452
Report Date: 02/08/17

SAMPLE RESULTS

Lab ID: L1703452-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 02/07/17 18:17
 Analyst: MB

Date Collected: 02/02/17 12:30
 Date Received: 02/02/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.453	0.200	--	2.24	0.989	--		1
Chloromethane	0.624	0.200	--	1.29	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	11.3	5.00	--	21.3	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.37	1.00	--	3.25	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1703452
Report Date: 02/08/17

SAMPLE RESULTS

Lab ID: L1703452-01
Client ID: FAM-3
Sample Location: SUFFERN, NY

Date Collected: 02/02/17 12:30
Date Received: 02/02/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Benzene	0.204	0.200	--	0.652	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1703452
Report Date: 02/08/17

SAMPLE RESULTS

Lab ID: L1703452-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 02/02/17 12:30
 Date Received: 02/02/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	75		60-140
Bromochloromethane	77		60-140
chlorobenzene-d5	76		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1703452
Report Date: 02/08/17

SAMPLE RESULTS

Lab ID: L1703452-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 02/07/17 18:17
 Analyst: MB

Date Collected: 02/02/17 12:30
 Date Received: 02/02/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.083	0.020	--	0.522	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	74		60-140
bromochloromethane	77		60-140
chlorobenzene-d5	78		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1703452
Report Date: 02/08/17

SAMPLE RESULTS

Lab ID: L1703452-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 02/07/17 18:49
 Analyst: MB

Date Collected: 02/02/17 12:37
 Date Received: 02/02/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.501	0.200	--	2.48	0.989	--		1
Chloromethane	0.629	0.200	--	1.30	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	29.7	5.00	--	56.0	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.45	1.00	--	3.44	2.38	--		1
Trichlorofluoromethane	0.209	0.200	--	1.17	1.12	--		1
Isopropanol	1.38	0.500	--	3.39	1.23	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1703452
Report Date: 02/08/17

SAMPLE RESULTS

Lab ID: L1703452-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 02/02/17 12:37
 Date Received: 02/02/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1703452
Report Date: 02/08/17

SAMPLE RESULTS

Lab ID: L1703452-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 02/02/17 12:37
 Date Received: 02/02/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	75		60-140
Bromochloromethane	79		60-140
chlorobenzene-d5	74		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1703452
Report Date: 02/08/17

SAMPLE RESULTS

Lab ID: L1703452-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 02/07/17 18:49
 Analyst: MB

Date Collected: 02/02/17 12:37
 Date Received: 02/02/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.082	0.020	--	0.516	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	75		60-140
bromochloromethane	81		60-140
chlorobenzene-d5	76		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1703452
Report Date: 02/08/17

SAMPLE RESULTS

Lab ID: L1703452-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 02/07/17 19:21
 Analyst: MB

Date Collected: 02/02/17 12:42
 Date Received: 02/02/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.423	0.200	--	2.09	0.989	--		1
Chloromethane	0.527	0.200	--	1.09	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	13.9	5.00	--	26.2	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.06	1.00	--	2.52	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	0.600	0.500	--	1.47	1.23	--		1
Methylene chloride	0.521	0.500	--	1.81	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1703452
Report Date: 02/08/17

SAMPLE RESULTS

Lab ID: L1703452-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 02/02/17 12:42
 Date Received: 02/02/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1703452
Report Date: 02/08/17

SAMPLE RESULTS

Lab ID: L1703452-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 02/02/17 12:42
 Date Received: 02/02/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	83		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	83		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1703452
Report Date: 02/08/17

SAMPLE RESULTS

Lab ID: L1703452-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 02/07/17 19:21
 Analyst: MB

Date Collected: 02/02/17 12:42
 Date Received: 02/02/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.074	0.020	--	0.465	0.126	--		1
Trichloroethene	0.020	0.020	--	0.107	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	81		60-140
bromochloromethane	84		60-140
chlorobenzene-d5	83		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1704287
Report Date: 02/17/17

SAMPLE RESULTS

Lab ID: L1704287-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 02/16/17 16:31
 Analyst: MB

Date Collected: 02/09/17 11:14
 Date Received: 02/10/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.475	0.200	--	2.35	0.989	--		1
Chloromethane	0.715	0.200	--	1.48	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	5.97	5.00	--	11.2	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.05	1.00	--	4.87	2.38	--		1
Trichlorofluoromethane	0.255	0.200	--	1.43	1.12	--		1
Isopropanol	0.636	0.500	--	1.56	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1704287
Report Date: 02/17/17

SAMPLE RESULTS

Lab ID: L1704287-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 02/09/17 11:14
 Date Received: 02/10/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1704287
Report Date: 02/17/17

SAMPLE RESULTS

Lab ID: L1704287-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 02/09/17 11:14
 Date Received: 02/10/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	80		60-140
Bromochloromethane	82		60-140
chlorobenzene-d5	81		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1704287
Report Date: 02/17/17

SAMPLE RESULTS

Lab ID: L1704287-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 02/16/17 16:31
 Analyst: MB

Date Collected: 02/09/17 11:14
 Date Received: 02/10/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.083	0.020	--	0.522	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	85		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	88		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1704287
Report Date: 02/17/17

SAMPLE RESULTS

Lab ID: L1704287-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 02/16/17 17:03
 Analyst: MB

Date Collected: 02/09/17 11:17
 Date Received: 02/10/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.344	0.200	--	1.70	0.989	--		1
Chloromethane	0.543	0.200	--	1.12	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.76	1.00	--	4.18	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1704287
Report Date: 02/17/17

SAMPLE RESULTS

Lab ID: L1704287-02
Client ID: FAM-6
Sample Location: SUFFERN, NY

Date Collected: 02/09/17 11:17
Date Received: 02/10/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1704287
Report Date: 02/17/17

SAMPLE RESULTS

Lab ID: L1704287-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 02/09/17 11:17
 Date Received: 02/10/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	79		60-140
Bromochloromethane	87		60-140
chlorobenzene-d5	82		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1704287
Report Date: 02/17/17

SAMPLE RESULTS

Lab ID: L1704287-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 02/16/17 17:03
 Analyst: MB

Date Collected: 02/09/17 11:17
 Date Received: 02/10/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.080	0.020	--	0.503	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	87		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	89		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1704287
Report Date: 02/17/17

SAMPLE RESULTS

Lab ID: L1704287-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 02/16/17 18:07
 Analyst: MB

Date Collected: 02/09/17 11:21
 Date Received: 02/10/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.436	0.200	--	2.16	0.989	--		1
Chloromethane	0.678	0.200	--	1.40	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.67	1.00	--	3.97	2.38	--		1
Trichlorofluoromethane	0.237	0.200	--	1.33	1.12	--		1
Isopropanol	0.689	0.500	--	1.69	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1704287
Report Date: 02/17/17

SAMPLE RESULTS

Lab ID: L1704287-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 02/09/17 11:21
 Date Received: 02/10/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1704287
Report Date: 02/17/17

SAMPLE RESULTS

Lab ID: L1704287-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 02/09/17 11:21
 Date Received: 02/10/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	77		60-140
Bromochloromethane	77		60-140
chlorobenzene-d5	75		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1704287
Report Date: 02/17/17

SAMPLE RESULTS

Lab ID: L1704287-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 02/16/17 18:07
 Analyst: MB

Date Collected: 02/09/17 11:21
 Date Received: 02/10/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.086	0.020	--	0.541	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	81		60-140
bromochloromethane	86		60-140
chlorobenzene-d5	82		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1704960
Report Date: 02/23/17

SAMPLE RESULTS

Lab ID: L1704960-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 02/20/17 17:43
 Analyst: MB

Date Collected: 02/16/17 12:28
 Date Received: 02/16/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.325	0.200	--	1.61	0.989	--		1
Chloromethane	0.495	0.200	--	1.02	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	10.5	5.00	--	19.8	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.41	1.00	--	3.35	2.38	--		1
Trichlorofluoromethane	0.213	0.200	--	1.20	1.12	--		1
Isopropanol	0.526	0.500	--	1.29	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1704960
Report Date: 02/23/17

SAMPLE RESULTS

Lab ID: L1704960-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 02/16/17 12:28
 Date Received: 02/16/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1704960
Report Date: 02/23/17

SAMPLE RESULTS

Lab ID: L1704960-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 02/16/17 12:28
 Date Received: 02/16/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	91		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1704960
Report Date: 02/23/17

SAMPLE RESULTS

Lab ID: L1704960-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 02/20/17 17:43
 Analyst: MB

Date Collected: 02/16/17 12:28
 Date Received: 02/16/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.062	0.020	--	0.390	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	95		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	93		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1704960
Report Date: 02/23/17

SAMPLE RESULTS

Lab ID: L1704960-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 02/20/17 18:53
 Analyst: MB

Date Collected: 02/16/17 12:33
 Date Received: 02/16/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.390	0.200	--	1.93	0.989	--		1
Chloromethane	0.567	0.200	--	1.17	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	0.222	0.200	--	1.25	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1704960
Report Date: 02/23/17

SAMPLE RESULTS

Lab ID: L1704960-02
Client ID: FAM-6
Sample Location: SUFFERN, NY

Date Collected: 02/16/17 12:33
Date Received: 02/16/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.204	0.200	--	0.769	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1704960
Report Date: 02/23/17

SAMPLE RESULTS

Lab ID: L1704960-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 02/16/17 12:33
 Date Received: 02/16/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	91		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1704960
Report Date: 02/23/17

SAMPLE RESULTS

Lab ID: L1704960-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 02/20/17 18:53
 Analyst: MB

Date Collected: 02/16/17 12:33
 Date Received: 02/16/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.061	0.020	--	0.384	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	93		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1704960
Report Date: 02/23/17

SAMPLE RESULTS

Lab ID: L1704960-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 02/20/17 19:27
 Analyst: MB

Date Collected: 02/16/17 12:38
 Date Received: 02/16/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.397	0.200	--	1.96	0.989	--		1
Chloromethane	0.570	0.200	--	1.18	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	8.17	5.00	--	15.4	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.18	1.00	--	2.80	2.38	--		1
Trichlorofluoromethane	0.221	0.200	--	1.24	1.12	--		1
Isopropanol	0.664	0.500	--	1.63	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1704960
Report Date: 02/23/17

SAMPLE RESULTS

Lab ID: L1704960-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 02/16/17 12:38
 Date Received: 02/16/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1704960
Report Date: 02/23/17

SAMPLE RESULTS

Lab ID: L1704960-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 02/16/17 12:38
 Date Received: 02/16/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	91		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1704960
Report Date: 02/23/17

SAMPLE RESULTS

Lab ID: L1704960-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 02/20/17 19:27
 Analyst: MB

Date Collected: 02/16/17 12:38
 Date Received: 02/16/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.062	0.020	--	0.390	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	93		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1705707
Report Date: 03/01/17

SAMPLE RESULTS

Lab ID: L1705707-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 02/25/17 19:11
 Analyst: MB

Date Collected: 02/23/17 12:33
 Date Received: 02/23/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.319	0.200	--	1.58	0.989	--		1
Chloromethane	0.539	0.200	--	1.11	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	14.9	5.00	--	28.1	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.28	1.00	--	7.79	2.38	--		1
Trichlorofluoromethane	0.237	0.200	--	1.33	1.12	--		1
Isopropanol	1.04	0.500	--	2.56	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.556	0.500	--	1.93	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1705707
Report Date: 03/01/17

SAMPLE RESULTS

Lab ID: L1705707-01
Client ID: FAM-5
Sample Location: SUFFERN, NY

Date Collected: 02/23/17 12:33
Date Received: 02/23/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.253	0.200	--	0.808	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.517	0.200	--	1.95	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1705707
Report Date: 03/01/17

SAMPLE RESULTS

Lab ID: L1705707-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 02/23/17 12:33
 Date Received: 02/23/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	88		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1705707
Report Date: 03/01/17

SAMPLE RESULTS

Lab ID: L1705707-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 02/25/17 19:11
 Analyst: MB

Date Collected: 02/23/17 12:33
 Date Received: 02/23/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.070	0.020	--	0.440	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.063	0.020	--	0.427	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	90		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	93		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1705707
Report Date: 03/01/17

SAMPLE RESULTS

Lab ID: L1705707-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 02/25/17 20:17
 Analyst: MB

Date Collected: 02/23/17 12:43
 Date Received: 02/23/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.317	0.200	--	1.57	0.989	--		1
Chloromethane	0.493	0.200	--	1.02	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	14.6	5.00	--	27.5	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.27	1.00	--	7.77	2.38	--		1
Trichlorofluoromethane	0.237	0.200	--	1.33	1.12	--		1
Isopropanol	1.34	0.500	--	3.29	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1705707
Report Date: 03/01/17

SAMPLE RESULTS

Lab ID: L1705707-02
Client ID: FAM-1
Sample Location: SUFFERN, NY

Date Collected: 02/23/17 12:43
Date Received: 02/23/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.273	0.200	--	0.872	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.516	0.200	--	1.94	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1705707
Report Date: 03/01/17

SAMPLE RESULTS

Lab ID: L1705707-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 02/23/17 12:43
 Date Received: 02/23/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	86		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	84		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1705707
Report Date: 03/01/17

SAMPLE RESULTS

Lab ID: L1705707-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 02/25/17 20:17
 Analyst: MB

Date Collected: 02/23/17 12:43
 Date Received: 02/23/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.070	0.020	--	0.440	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.066	0.020	--	0.448	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	88		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	89		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1705707
Report Date: 03/01/17

SAMPLE RESULTS

Lab ID: L1705707-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 02/25/17 20:49
 Analyst: MB

Date Collected: 02/23/17 12:48
 Date Received: 02/23/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.335	0.200	--	1.66	0.989	--		1
Chloromethane	0.559	0.200	--	1.15	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	12.0	5.00	--	22.6	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.35	1.00	--	7.96	2.38	--		1
Trichlorofluoromethane	0.237	0.200	--	1.33	1.12	--		1
Isopropanol	1.18	0.500	--	2.90	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.792	0.500	--	2.75	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1705707
Report Date: 03/01/17

SAMPLE RESULTS

Lab ID: L1705707-03
Client ID: FAM-2
Sample Location: SUFFERN, NY

Date Collected: 02/23/17 12:48
Date Received: 02/23/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	0.201	0.200	--	0.708	0.705	--		1
Benzene	0.264	0.200	--	0.843	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.557	0.200	--	2.10	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1705707
Report Date: 03/01/17

SAMPLE RESULTS

Lab ID: L1705707-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 02/23/17 12:48
 Date Received: 02/23/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	85		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	84		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1705707
Report Date: 03/01/17

SAMPLE RESULTS

Lab ID: L1705707-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 02/25/17 20:49
 Analyst: MB

Date Collected: 02/23/17 12:48
 Date Received: 02/23/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.074	0.020	--	0.465	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.060	0.020	--	0.407	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	87		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	88		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1706537
Report Date: 03/09/17

SAMPLE RESULTS

Lab ID: L1706537-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/04/17 21:13
 Analyst: MB

Date Collected: 03/02/17 12:51
 Date Received: 03/02/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.349	0.200	--	1.73	0.989	--		1
Chloromethane	0.572	0.200	--	1.18	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	10.8	5.00	--	20.3	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.42	1.00	--	5.75	2.38	--		1
Trichlorofluoromethane	0.242	0.200	--	1.36	1.12	--		1
Isopropanol	0.550	0.500	--	1.35	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	8.93	0.500	--	31.0	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1706537
Report Date: 03/09/17

SAMPLE RESULTS

Lab ID: L1706537-01
Client ID: FAM-3
Sample Location: SUFFERN, NY

Date Collected: 03/02/17 12:51
Date Received: 03/02/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	0.601	0.200	--	2.12	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1706537
Report Date: 03/09/17

SAMPLE RESULTS

Lab ID: L1706537-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 03/02/17 12:51
 Date Received: 03/02/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	81		60-140
Bromochloromethane	84		60-140
chlorobenzene-d5	79		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1706537
Report Date: 03/09/17

SAMPLE RESULTS

Lab ID: L1706537-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/04/17 21:13
 Analyst: MB

Date Collected: 03/02/17 12:51
 Date Received: 03/02/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.073	0.020	--	0.459	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	82		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	82		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1706537
Report Date: 03/09/17

SAMPLE RESULTS

Lab ID: L1706537-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/04/17 21:46
 Analyst: MB

Date Collected: 03/02/17 12:59
 Date Received: 03/02/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.335	0.200	--	1.66	0.989	--		1
Chloromethane	0.641	0.200	--	1.32	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	24.3	5.00	--	45.8	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.02	1.00	--	4.80	2.38	--		1
Trichlorofluoromethane	0.223	0.200	--	1.25	1.12	--		1
Isopropanol	0.807	0.500	--	1.98	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1706537
Report Date: 03/09/17

SAMPLE RESULTS

Lab ID: L1706537-02
Client ID: FAM-1
Sample Location: SUFFERN, NY

Date Collected: 03/02/17 12:59
Date Received: 03/02/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1706537
Report Date: 03/09/17

SAMPLE RESULTS

Lab ID: L1706537-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 03/02/17 12:59
 Date Received: 03/02/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	78		60-140
Bromochloromethane	84		60-140
chlorobenzene-d5	79		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1706537
Report Date: 03/09/17

SAMPLE RESULTS

Lab ID: L1706537-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/04/17 21:46
 Analyst: MB

Date Collected: 03/02/17 12:59
 Date Received: 03/02/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.073	0.020	--	0.459	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	81		60-140
bromochloromethane	87		60-140
chlorobenzene-d5	81		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1706537
Report Date: 03/09/17

SAMPLE RESULTS

Lab ID: L1706537-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/04/17 22:19
 Analyst: MB

Date Collected: 03/02/17 13:07
 Date Received: 03/02/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.345	0.200	--	1.71	0.989	--		1
Chloromethane	0.604	0.200	--	1.25	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	10.4	5.00	--	19.6	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.78	1.00	--	4.23	2.38	--		1
Trichlorofluoromethane	0.226	0.200	--	1.27	1.12	--		1
Isopropanol	0.503	0.500	--	1.24	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1706537
Report Date: 03/09/17

SAMPLE RESULTS

Lab ID: L1706537-03
Client ID: FAM-2
Sample Location: SUFFERN, NY

Date Collected: 03/02/17 13:07
Date Received: 03/02/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1706537
Report Date: 03/09/17

SAMPLE RESULTS

Lab ID: L1706537-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 03/02/17 13:07
 Date Received: 03/02/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	76		60-140
Bromochloromethane	81		60-140
chlorobenzene-d5	78		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1706537
Report Date: 03/09/17

SAMPLE RESULTS

Lab ID: L1706537-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/04/17 22:19
 Analyst: MB

Date Collected: 03/02/17 13:07
 Date Received: 03/02/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.074	0.020	--	0.465	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	77		60-140
bromochloromethane	85		60-140
chlorobenzene-d5	81		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1707474
Report Date: 03/15/17

SAMPLE RESULTS

Lab ID: L1707474-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/10/17 21:31
 Analyst: MB

Date Collected: 03/09/17 12:28
 Date Received: 03/09/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.327	0.200	--	1.62	0.989	--		1
Chloromethane	0.513	0.200	--	1.06	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	0.207	0.200	--	1.16	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1707474
Report Date: 03/15/17

SAMPLE RESULTS

Lab ID: L1707474-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 03/09/17 12:28
 Date Received: 03/09/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1707474
Report Date: 03/15/17

SAMPLE RESULTS

Lab ID: L1707474-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 03/09/17 12:28
 Date Received: 03/09/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	90		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1707474
Report Date: 03/15/17

SAMPLE RESULTS

Lab ID: L1707474-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/10/17 21:31
 Analyst: MB

Date Collected: 03/09/17 12:28
 Date Received: 03/09/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.054	0.020	--	0.340	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	89		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	91		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1707474
Report Date: 03/15/17

SAMPLE RESULTS

Lab ID: L1707474-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/10/17 22:41
 Analyst: MB

Date Collected: 03/09/17 12:26
 Date Received: 03/09/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.340	0.200	--	1.68	0.989	--		1
Chloromethane	0.555	0.200	--	1.15	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	6.81	5.00	--	12.8	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.19	1.00	--	2.83	2.38	--		1
Trichlorofluoromethane	0.212	0.200	--	1.19	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1707474
Report Date: 03/15/17

SAMPLE RESULTS

Lab ID: L1707474-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 03/09/17 12:26
 Date Received: 03/09/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1707474
Report Date: 03/15/17

SAMPLE RESULTS

Lab ID: L1707474-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 03/09/17 12:26
 Date Received: 03/09/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	90		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1707474
Report Date: 03/15/17

SAMPLE RESULTS

Lab ID: L1707474-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/10/17 22:41
 Analyst: MB

Date Collected: 03/09/17 12:26
 Date Received: 03/09/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.052	0.020	--	0.327	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	89		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	91		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1707474
Report Date: 03/15/17

SAMPLE RESULTS

Lab ID: L1707474-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/10/17 23:15
 Analyst: MB

Date Collected: 03/09/17 12:34
 Date Received: 03/09/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.284	0.200	--	1.40	0.989	--		1
Chloromethane	0.507	0.200	--	1.05	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	27.6	5.00	--	52.0	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.20	1.00	--	2.85	2.38	--		1
Trichlorofluoromethane	0.205	0.200	--	1.15	1.12	--		1
Isopropanol	0.845	0.500	--	2.08	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1707474
Report Date: 03/15/17

SAMPLE RESULTS

Lab ID: L1707474-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 03/09/17 12:34
 Date Received: 03/09/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1707474
Report Date: 03/15/17

SAMPLE RESULTS

Lab ID: L1707474-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 03/09/17 12:34
 Date Received: 03/09/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	86		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	89		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1707474
Report Date: 03/15/17

SAMPLE RESULTS

Lab ID: L1707474-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/10/17 23:15
 Analyst: MB

Date Collected: 03/09/17 12:34
 Date Received: 03/09/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.055	0.020	--	0.346	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	88		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	90		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1708018
Report Date: 03/21/17

SAMPLE RESULTS

Lab ID: L1708018-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/17/17 16:06
 Analyst: RY

Date Collected: 03/16/17 11:35
 Date Received: 03/16/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.463	0.200	--	2.29	0.989	--		1
Chloromethane	0.488	0.200	--	1.01	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.26	1.00	--	2.99	2.38	--		1
Trichlorofluoromethane	0.225	0.200	--	1.26	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1708018
Report Date: 03/21/17

SAMPLE RESULTS

Lab ID: L1708018-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 03/16/17 11:35
 Date Received: 03/16/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1708018
Report Date: 03/21/17

SAMPLE RESULTS

Lab ID: L1708018-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 03/16/17 11:35
 Date Received: 03/16/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	89		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1708018
Report Date: 03/21/17

SAMPLE RESULTS

Lab ID: L1708018-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/17/17 16:06
 Analyst: RY

Date Collected: 03/16/17 11:35
 Date Received: 03/16/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.076	0.020	--	0.478	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	96		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1708018
Report Date: 03/21/17

SAMPLE RESULTS

Lab ID: L1708018-02
 Client ID: FAM-6/5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/17/17 16:38
 Analyst: RY

Date Collected: 03/16/17 11:39
 Date Received: 03/16/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.541	0.200	--	2.68	0.989	--		1
Chloromethane	0.609	0.200	--	1.26	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.28	1.00	--	3.04	2.38	--		1
Trichlorofluoromethane	0.228	0.200	--	1.28	1.12	--		1
Isopropanol	0.662	0.500	--	1.63	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1708018
Report Date: 03/21/17

SAMPLE RESULTS

Lab ID: L1708018-02
Client ID: FAM-6/5
Sample Location: SUFFERN, NY

Date Collected: 03/16/17 11:39
Date Received: 03/16/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1708018
Report Date: 03/21/17

SAMPLE RESULTS

Lab ID: L1708018-02
 Client ID: FAM-6/5
 Sample Location: SUFFERN, NY

Date Collected: 03/16/17 11:39
 Date Received: 03/16/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	83		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	86		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1708018
Report Date: 03/21/17

SAMPLE RESULTS

Lab ID: L1708018-02
 Client ID: FAM-6/5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/17/17 16:38
 Analyst: RY

Date Collected: 03/16/17 11:39
 Date Received: 03/16/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.089	0.020	--	0.560	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	80		60-140
bromochloromethane	84		60-140
chlorobenzene-d5	93		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1708018
Report Date: 03/21/17

SAMPLE RESULTS

Lab ID: L1708018-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/17/17 17:43
 Analyst: RY

Date Collected: 03/16/17 12:03
 Date Received: 03/16/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.485	0.200	--	2.40	0.989	--		1
Chloromethane	0.505	0.200	--	1.04	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.33	1.00	--	5.53	2.38	--		1
Trichlorofluoromethane	0.201	0.200	--	1.13	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1708018
Report Date: 03/21/17

SAMPLE RESULTS

Lab ID: L1708018-03
Client ID: FAM-1
Sample Location: SUFFERN, NY

Date Collected: 03/16/17 12:03
Date Received: 03/16/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1708018
Report Date: 03/21/17

SAMPLE RESULTS

Lab ID: L1708018-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 03/16/17 12:03
 Date Received: 03/16/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	83		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1708018
Report Date: 03/21/17

SAMPLE RESULTS

Lab ID: L1708018-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/17/17 17:43
 Analyst: RY

Date Collected: 03/16/17 12:03
 Date Received: 03/16/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.080	0.020	--	0.503	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	86		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	91		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1708823
Report Date: 03/28/17

SAMPLE RESULTS

Lab ID: L1708823-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/24/17 18:04
 Analyst: RY

Date Collected: 03/23/17 12:31
 Date Received: 03/23/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.412	0.200	--	2.04	0.989	--		1
Chloromethane	0.514	0.200	--	1.06	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.24	1.00	--	2.95	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	1.50	0.500	--	5.21	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1708823
Report Date: 03/28/17

SAMPLE RESULTS

Lab ID: L1708823-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 03/23/17 12:31
 Date Received: 03/23/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1708823
Report Date: 03/28/17

SAMPLE RESULTS

Lab ID: L1708823-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 03/23/17 12:31
 Date Received: 03/23/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	101		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	98		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1708823
Report Date: 03/28/17

SAMPLE RESULTS

Lab ID: L1708823-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/24/17 18:04
 Analyst: RY

Date Collected: 03/23/17 12:31
 Date Received: 03/23/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.062	0.020	--	0.390	0.126	--		1
Trichloroethene	0.021	0.020	--	0.113	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	100		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	97		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1708823
Report Date: 03/28/17

SAMPLE RESULTS

Lab ID: L1708823-02
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/24/17 18:38
 Analyst: RY

Date Collected: 03/23/17 12:38
 Date Received: 03/23/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.339	0.200	--	1.68	0.989	--		1
Chloromethane	0.480	0.200	--	0.991	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1708823
Report Date: 03/28/17

SAMPLE RESULTS

Lab ID: L1708823-02
Client ID: FAM-5
Sample Location: SUFFERN, NY

Date Collected: 03/23/17 12:38
Date Received: 03/23/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1708823
Report Date: 03/28/17

SAMPLE RESULTS

Lab ID: L1708823-02
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 03/23/17 12:38
 Date Received: 03/23/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	87		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1708823
Report Date: 03/28/17

SAMPLE RESULTS

Lab ID: L1708823-02
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/24/17 18:38
 Analyst: RY

Date Collected: 03/23/17 12:38
 Date Received: 03/23/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.067	0.020	--	0.421	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	90		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	87		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1708823
Report Date: 03/28/17

SAMPLE RESULTS

Lab ID: L1708823-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/24/17 19:46
 Analyst: RY

Date Collected: 03/23/17 12:42
 Date Received: 03/23/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.413	0.200	--	2.04	0.989	--		1
Chloromethane	0.493	0.200	--	1.02	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.30	1.00	--	3.09	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	3.66	0.500	--	12.7	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1708823
Report Date: 03/28/17

SAMPLE RESULTS

Lab ID: L1708823-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 03/23/17 12:42
 Date Received: 03/23/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1708823
Report Date: 03/28/17

SAMPLE RESULTS

Lab ID: L1708823-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 03/23/17 12:42
 Date Received: 03/23/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	87		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1708823
Report Date: 03/28/17

SAMPLE RESULTS

Lab ID: L1708823-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/24/17 19:46
 Analyst: RY

Date Collected: 03/23/17 12:42
 Date Received: 03/23/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.068	0.020	--	0.428	0.126	--		1
Trichloroethene	0.050	0.020	--	0.269	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	88		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	85		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1709767
Report Date: 04/06/17

SAMPLE RESULTS

Lab ID: L1709767-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/31/17 20:26
 Analyst: RY

Date Collected: 03/30/17 12:16
 Date Received: 03/30/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.412	0.200	--	2.04	0.989	--		1
Chloromethane	0.588	0.200	--	1.21	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.66	1.00	--	3.94	2.38	--		1
Trichlorofluoromethane	0.258	0.200	--	1.45	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1709767
Report Date: 04/06/17

SAMPLE RESULTS

Lab ID: L1709767-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 03/30/17 12:16
 Date Received: 03/30/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1709767
Report Date: 04/06/17

SAMPLE RESULTS

Lab ID: L1709767-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 03/30/17 12:16
 Date Received: 03/30/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	78		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	82		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1709767
Report Date: 04/06/17

SAMPLE RESULTS

Lab ID: L1709767-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/31/17 20:26
 Analyst: RY

Date Collected: 03/30/17 12:16
 Date Received: 03/30/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.092	0.020	--	0.579	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	70		60-140
bromochloromethane	77		60-140
chlorobenzene-d5	76		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1709767
Report Date: 04/06/17

SAMPLE RESULTS

Lab ID: L1709767-02
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/31/17 20:58
 Analyst: RY

Date Collected: 03/30/17 12:20
 Date Received: 03/30/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.488	0.200	--	2.41	0.989	--		1
Chloromethane	0.605	0.200	--	1.25	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.28	1.00	--	3.04	2.38	--		1
Trichlorofluoromethane	0.232	0.200	--	1.30	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1709767
Report Date: 04/06/17

SAMPLE RESULTS

Lab ID: L1709767-02
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 03/30/17 12:20
 Date Received: 03/30/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1709767
Report Date: 04/06/17

SAMPLE RESULTS

Lab ID: L1709767-02
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 03/30/17 12:20
 Date Received: 03/30/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	82		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	83		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1709767
Report Date: 04/06/17

SAMPLE RESULTS

Lab ID: L1709767-02
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/31/17 20:58
 Analyst: RY

Date Collected: 03/30/17 12:20
 Date Received: 03/30/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.088	0.020	--	0.554	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	73		60-140
bromochloromethane	79		60-140
chlorobenzene-d5	76		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1709767
Report Date: 04/06/17

SAMPLE RESULTS

Lab ID: L1709767-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/31/17 22:01
 Analyst: RY

Date Collected: 03/30/17 12:28
 Date Received: 03/30/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.490	0.200	--	2.42	0.989	--		1
Chloromethane	0.555	0.200	--	1.15	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	15.1	5.00	--	28.5	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.05	1.00	--	4.87	2.38	--		1
Trichlorofluoromethane	0.221	0.200	--	1.24	1.12	--		1
Isopropanol	0.627	0.500	--	1.54	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1709767
Report Date: 04/06/17

SAMPLE RESULTS

Lab ID: L1709767-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 03/30/17 12:28
 Date Received: 03/30/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1709767
Report Date: 04/06/17

SAMPLE RESULTS

Lab ID: L1709767-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 03/30/17 12:28
 Date Received: 03/30/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	75		60-140
Bromochloromethane	83		60-140
chlorobenzene-d5	81		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1709767
Report Date: 04/06/17

SAMPLE RESULTS

Lab ID: L1709767-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/31/17 22:01
 Analyst: RY

Date Collected: 03/30/17 12:28
 Date Received: 03/30/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.096	0.020	--	0.604	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	67		60-140
bromochloromethane	75		60-140
chlorobenzene-d5	75		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1710739
Report Date: 04/11/17

SAMPLE RESULTS

Lab ID: L1710739-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/08/17 16:32
 Analyst: MB

Date Collected: 04/06/17 12:13
 Date Received: 04/06/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.316	0.200	--	1.56	0.989	--		1
Chloromethane	0.546	0.200	--	1.13	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	11.4	5.00	--	21.5	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.80	1.00	--	9.03	2.38	--		1
Trichlorofluoromethane	0.243	0.200	--	1.37	1.12	--		1
Isopropanol	0.740	0.500	--	1.82	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1710739
Report Date: 04/11/17

SAMPLE RESULTS

Lab ID: L1710739-01
Client ID: FAM-3
Sample Location: SUFFERN, NY

Date Collected: 04/06/17 12:13
Date Received: 04/06/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1710739
Report Date: 04/11/17

SAMPLE RESULTS

Lab ID: L1710739-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 04/06/17 12:13
 Date Received: 04/06/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	93		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1710739
Report Date: 04/11/17

SAMPLE RESULTS

Lab ID: L1710739-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/08/17 16:32
 Analyst: MB

Date Collected: 04/06/17 12:13
 Date Received: 04/06/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.080	0.020	--	0.503	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.053	0.020	--	0.359	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	96		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1710739
Report Date: 04/11/17

SAMPLE RESULTS

Lab ID: L1710739-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/08/17 17:05
 Analyst: MB

Date Collected: 04/06/17 12:25
 Date Received: 04/06/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.306	0.200	--	1.51	0.989	--		1
Chloromethane	0.535	0.200	--	1.10	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.87	1.00	--	4.44	2.38	--		1
Trichlorofluoromethane	0.232	0.200	--	1.30	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1710739
Report Date: 04/11/17

SAMPLE RESULTS

Lab ID: L1710739-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 04/06/17 12:25
 Date Received: 04/06/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1710739
Report Date: 04/11/17

SAMPLE RESULTS

Lab ID: L1710739-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 04/06/17 12:25
 Date Received: 04/06/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	81		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	85		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1710739
Report Date: 04/11/17

SAMPLE RESULTS

Lab ID: L1710739-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/08/17 17:05
 Analyst: MB

Date Collected: 04/06/17 12:25
 Date Received: 04/06/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.091	0.020	--	0.572	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.214	0.020	--	1.45	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	83		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	88		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1710739
Report Date: 04/11/17

SAMPLE RESULTS

Lab ID: L1710739-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/08/17 18:11
 Analyst: MB

Date Collected: 04/06/17 12:29
 Date Received: 04/06/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.341	0.200	--	1.69	0.989	--		1
Chloromethane	0.565	0.200	--	1.17	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	7.09	5.00	--	13.4	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.11	1.00	--	5.01	2.38	--		1
Trichlorofluoromethane	0.245	0.200	--	1.38	1.12	--		1
Isopropanol	0.644	0.500	--	1.58	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1710739
Report Date: 04/11/17

SAMPLE RESULTS

Lab ID: L1710739-03
Client ID: FAM-2
Sample Location: SUFFERN, NY

Date Collected: 04/06/17 12:29
Date Received: 04/06/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1710739
Report Date: 04/11/17

SAMPLE RESULTS

Lab ID: L1710739-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 04/06/17 12:29
 Date Received: 04/06/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	77		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	75		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1710739
Report Date: 04/11/17

SAMPLE RESULTS

Lab ID: L1710739-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/08/17 18:11
 Analyst: MB

Date Collected: 04/06/17 12:29
 Date Received: 04/06/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.095	0.020	--	0.598	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.183	0.020	--	1.24	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	78		60-140
bromochloromethane	87		60-140
chlorobenzene-d5	78		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1711868
Report Date: 04/19/17

SAMPLE RESULTS

Lab ID: L1711868-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/15/17 19:22
 Analyst: RY

Date Collected: 04/14/17 11:49
 Date Received: 04/14/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.373	0.200	--	1.84	0.989	--		1
Chloromethane	0.490	0.200	--	1.01	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.72	1.00	--	4.09	2.38	--		1
Trichlorofluoromethane	0.287	0.200	--	1.61	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	1.48	0.500	--	5.14	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1711868
Report Date: 04/19/17

SAMPLE RESULTS

Lab ID: L1711868-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 04/14/17 11:49
 Date Received: 04/14/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1711868
Report Date: 04/19/17

SAMPLE RESULTS

Lab ID: L1711868-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 04/14/17 11:49
 Date Received: 04/14/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	87		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1711868
Report Date: 04/19/17

SAMPLE RESULTS

Lab ID: L1711868-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/15/17 19:22
 Analyst: RY

Date Collected: 04/14/17 11:49
 Date Received: 04/14/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.070	0.020	--	0.440	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	89		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	85		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1711868
Report Date: 04/19/17

SAMPLE RESULTS

Lab ID: L1711868-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/15/17 19:58
 Analyst: RY

Date Collected: 04/14/17 11:57
 Date Received: 04/14/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.351	0.200	--	1.74	0.989	--		1
Chloromethane	0.505	0.200	--	1.04	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.57	1.00	--	3.73	2.38	--		1
Trichlorofluoromethane	0.267	0.200	--	1.50	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1711868
Report Date: 04/19/17

SAMPLE RESULTS

Lab ID: L1711868-02
Client ID: FAM-6
Sample Location: SUFFERN, NY

Date Collected: 04/14/17 11:57
Date Received: 04/14/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1711868
Report Date: 04/19/17

SAMPLE RESULTS

Lab ID: L1711868-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 04/14/17 11:57
 Date Received: 04/14/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	87		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1711868
Report Date: 04/19/17

SAMPLE RESULTS

Lab ID: L1711868-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/15/17 19:58
 Analyst: RY

Date Collected: 04/14/17 11:57
 Date Received: 04/14/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.069	0.020	--	0.434	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	87		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	85		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1711868
Report Date: 04/19/17

SAMPLE RESULTS

Lab ID: L1711868-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/15/17 20:33
 Analyst: RY

Date Collected: 04/14/17 12:04
 Date Received: 04/14/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.319	0.200	--	1.58	0.989	--		1
Chloromethane	0.448	0.200	--	0.925	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	5.54	5.00	--	10.4	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.59	1.00	--	6.15	2.38	--		1
Trichlorofluoromethane	0.289	0.200	--	1.62	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	3.61	0.500	--	12.5	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1711868
Report Date: 04/19/17

SAMPLE RESULTS

Lab ID: L1711868-03
Client ID: FAM-1
Sample Location: SUFFERN, NY

Date Collected: 04/14/17 12:04
Date Received: 04/14/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1711868
Report Date: 04/19/17

SAMPLE RESULTS

Lab ID: L1711868-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 04/14/17 12:04
 Date Received: 04/14/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	90		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1711868
Report Date: 04/19/17

SAMPLE RESULTS

Lab ID: L1711868-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/15/17 20:33
 Analyst: RY

Date Collected: 04/14/17 12:04
 Date Received: 04/14/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.073	0.020	--	0.459	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.020	0.020	--	0.136	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	87		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	88		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1712579
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712579-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/24/17 18:15
 Analyst: MB

Date Collected: 04/20/17 12:08
 Date Received: 04/20/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.403	0.200	--	1.99	0.989	--		1
Chloromethane	0.595	0.200	--	1.23	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	10.8	5.00	--	20.3	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.67	1.00	--	8.72	2.38	--		1
Trichlorofluoromethane	0.228	0.200	--	1.28	1.12	--		1
Isopropanol	0.692	0.500	--	1.70	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	1.36	0.500	--	4.72	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1712579
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712579-01
Client ID: FAM-3
Sample Location: SUFFERN, NY

Date Collected: 04/20/17 12:08
Date Received: 04/20/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.267	0.200	--	1.01	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1712579
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712579-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 04/20/17 12:08
 Date Received: 04/20/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	80		60-140
Bromochloromethane	103		60-140
chlorobenzene-d5	75		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1712579
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712579-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/24/17 18:15
 Analyst: MB

Date Collected: 04/20/17 12:08
 Date Received: 04/20/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.072	0.020	--	0.453	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.040	0.020	--	0.271	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	97		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	87		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1712579
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712579-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/24/17 18:50
 Analyst: MB

Date Collected: 04/20/17 12:13
 Date Received: 04/20/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.416	0.200	--	2.06	0.989	--		1
Chloromethane	0.602	0.200	--	1.24	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	9.03	5.00	--	17.0	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.16	1.00	--	5.13	2.38	--		1
Trichlorofluoromethane	0.219	0.200	--	1.23	1.12	--		1
Isopropanol	0.691	0.500	--	1.70	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	2.03	0.500	--	7.05	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1712579
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712579-02
Client ID: FAM-1
Sample Location: SUFFERN, NY

Date Collected: 04/20/17 12:13
Date Received: 04/20/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.204	0.200	--	0.769	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1712579
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712579-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 04/20/17 12:13
 Date Received: 04/20/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	78		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	73		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1712579
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712579-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/24/17 18:50
 Analyst: MB

Date Collected: 04/20/17 12:13
 Date Received: 04/20/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.072	0.020	--	0.453	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.054	0.020	--	0.366	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	95		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	85		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1712579
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712579-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 04/24/17 19:24
 Analyst: MB

Date Collected: 04/20/17 12:18
 Date Received: 04/20/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.465	0.200	--	2.30	0.989	--		1
Chloromethane	0.608	0.200	--	1.26	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	7.96	5.00	--	15.0	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.06	1.00	--	4.89	2.38	--		1
Trichlorofluoromethane	0.215	0.200	--	1.21	1.12	--		1
Isopropanol	0.646	0.500	--	1.59	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1712579
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712579-03
Client ID: FAM-2
Sample Location: SUFFERN, NY

Date Collected: 04/20/17 12:18
Date Received: 04/20/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.213	0.200	--	0.803	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1712579
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712579-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 04/20/17 12:18
 Date Received: 04/20/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	81		60-140
Bromochloromethane	102		60-140
chlorobenzene-d5	75		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1712579
Report Date: 04/25/17

SAMPLE RESULTS

Lab ID: L1712579-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 04/24/17 19:24
 Analyst: MB

Date Collected: 04/20/17 12:18
 Date Received: 04/20/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.067	0.020	--	0.421	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.050	0.020	--	0.339	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	98		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	87		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1713522
Report Date: 05/03/17

SAMPLE RESULTS

Lab ID: L1713522-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 05/01/17 19:23
 Analyst: MB

Date Collected: 04/27/17 12:09
 Date Received: 04/27/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.355	0.200	--	1.76	0.989	--		1
Chloromethane	0.563	0.200	--	1.16	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.32	1.00	--	5.51	2.38	--		1
Trichlorofluoromethane	0.221	0.200	--	1.24	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	1.73	0.500	--	6.01	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1713522
Report Date: 05/03/17

SAMPLE RESULTS

Lab ID: L1713522-01
Client ID: FAM-5
Sample Location: SUFFERN, NY

Date Collected: 04/27/17 12:09
Date Received: 04/27/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.225	0.200	--	0.848	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1713522
Report Date: 05/03/17

SAMPLE RESULTS

Lab ID: L1713522-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 04/27/17 12:09
 Date Received: 04/27/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	91		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1713522
Report Date: 05/03/17

SAMPLE RESULTS

Lab ID: L1713522-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 05/01/17 19:23
 Analyst: MB

Date Collected: 04/27/17 12:09
 Date Received: 04/27/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.076	0.020	--	0.478	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	92		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1713522
Report Date: 05/03/17

SAMPLE RESULTS

Lab ID: L1713522-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 05/01/17 20:28
 Analyst: MB

Date Collected: 04/27/17 12:11
 Date Received: 04/27/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.390	0.200	--	1.93	0.989	--		1
Chloromethane	0.542	0.200	--	1.12	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.86	1.00	--	6.79	2.38	--		1
Trichlorofluoromethane	0.212	0.200	--	1.19	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1713522
Report Date: 05/03/17

SAMPLE RESULTS

Lab ID: L1713522-02
Client ID: FAM-6
Sample Location: SUFFERN, NY

Date Collected: 04/27/17 12:11
Date Received: 04/27/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.392	0.200	--	1.48	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1713522
Report Date: 05/03/17

SAMPLE RESULTS

Lab ID: L1713522-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 04/27/17 12:11
 Date Received: 04/27/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	91		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1713522
Report Date: 05/03/17

SAMPLE RESULTS

Lab ID: L1713522-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 05/01/17 20:28
 Analyst: MB

Date Collected: 04/27/17 12:11
 Date Received: 04/27/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.072	0.020	--	0.453	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.021	0.020	--	0.142	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	91		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1713522
Report Date: 05/03/17

SAMPLE RESULTS

Lab ID: L1713522-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 05/01/17 21:01
 Analyst: MB

Date Collected: 04/27/17 12:15
 Date Received: 04/27/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.370	0.200	--	1.83	0.989	--		1
Chloromethane	0.560	0.200	--	1.16	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	10.5	5.00	--	19.8	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	0.234	0.200	--	1.31	1.12	--		1
Isopropanol	0.674	0.500	--	1.66	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	1.34	0.500	--	4.66	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1713522
Report Date: 05/03/17

SAMPLE RESULTS

Lab ID: L1713522-03
Client ID: FAM-2
Sample Location: SUFFERN, NY

Date Collected: 04/27/17 12:15
Date Received: 04/27/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	0.475	0.200	--	1.67	0.705	--		1
Benzene	0.202	0.200	--	0.645	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.957	0.200	--	3.61	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1713522
Report Date: 05/03/17

SAMPLE RESULTS

Lab ID: L1713522-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 04/27/17 12:15
 Date Received: 04/27/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	91		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1713522
Report Date: 05/03/17

SAMPLE RESULTS

Lab ID: L1713522-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 05/01/17 21:01
 Analyst: MB

Date Collected: 04/27/17 12:15
 Date Received: 04/27/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.070	0.020	--	0.440	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.020	0.020	--	0.136	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	93		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	92		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1714459
Report Date: 05/08/17

SAMPLE RESULTS

Lab ID: L1714459-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 05/05/17 19:02
 Analyst: RY

Date Collected: 05/04/17 12:42
 Date Received: 05/04/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.405	0.200	--	2.00	0.989	--		1
Chloromethane	0.636	0.200	--	1.31	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.14	1.00	--	5.08	2.38	--		1
Trichlorofluoromethane	0.221	0.200	--	1.24	1.12	--		1
Isopropanol	0.728	0.500	--	1.79	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1714459
Report Date: 05/08/17

SAMPLE RESULTS

Lab ID: L1714459-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 05/04/17 12:42
 Date Received: 05/04/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1714459
Report Date: 05/08/17

SAMPLE RESULTS

Lab ID: L1714459-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 05/04/17 12:42
 Date Received: 05/04/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	85		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	90		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1714459
Report Date: 05/08/17

SAMPLE RESULTS

Lab ID: L1714459-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 05/05/17 19:02
 Analyst: RY

Date Collected: 05/04/17 12:42
 Date Received: 05/04/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.062	0.020	--	0.390	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	87		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	88		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1714459
Report Date: 05/08/17

SAMPLE RESULTS

Lab ID: L1714459-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 05/05/17 19:36
 Analyst: RY

Date Collected: 05/04/17 12:46
 Date Received: 05/04/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.363	0.200	--	1.79	0.989	--		1
Chloromethane	0.655	0.200	--	1.35	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.69	1.00	--	6.39	2.38	--		1
Trichlorofluoromethane	0.221	0.200	--	1.24	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1714459
Report Date: 05/08/17

SAMPLE RESULTS

Lab ID: L1714459-02
Client ID: FAM-6
Sample Location: SUFFERN, NY

Date Collected: 05/04/17 12:46
Date Received: 05/04/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1714459
Report Date: 05/08/17

SAMPLE RESULTS

Lab ID: L1714459-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 05/04/17 12:46
 Date Received: 05/04/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	79		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	86		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1714459
Report Date: 05/08/17

SAMPLE RESULTS

Lab ID: L1714459-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 05/05/17 19:36
 Analyst: RY

Date Collected: 05/04/17 12:46
 Date Received: 05/04/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.067	0.020	--	0.421	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.024	0.020	--	0.163	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	80		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	85		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1714459
Report Date: 05/08/17

SAMPLE RESULTS

Lab ID: L1714459-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 05/05/17 20:45
 Analyst: RY

Date Collected: 05/04/17 12:50
 Date Received: 05/04/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.506	0.200	--	2.50	0.989	--		1
Chloromethane	0.684	0.200	--	1.41	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.31	1.00	--	5.49	2.38	--		1
Trichlorofluoromethane	0.222	0.200	--	1.25	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1714459
Report Date: 05/08/17

SAMPLE RESULTS

Lab ID: L1714459-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 05/04/17 12:50
 Date Received: 05/04/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1714459
Report Date: 05/08/17

SAMPLE RESULTS

Lab ID: L1714459-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 05/04/17 12:50
 Date Received: 05/04/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	77		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	81		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1714459
Report Date: 05/08/17

SAMPLE RESULTS

Lab ID: L1714459-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 05/05/17 20:45
 Analyst: RY

Date Collected: 05/04/17 12:50
 Date Received: 05/04/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.066	0.020	--	0.415	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.026	0.020	--	0.176	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	78		60-140
bromochloromethane	86		60-140
chlorobenzene-d5	80		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1715452
Report Date: 05/17/17

SAMPLE RESULTS

Lab ID: L1715452-01
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 05/16/17 19:08
 Analyst: MB

Date Collected: 05/11/17 12:37
 Date Received: 05/11/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.353	0.200	--	1.75	0.989	--		1
Chloromethane	0.503	0.200	--	1.04	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.34	1.00	--	5.56	2.38	--		1
Trichlorofluoromethane	0.269	0.200	--	1.51	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1715452
Report Date: 05/17/17

SAMPLE RESULTS

Lab ID: L1715452-01
Client ID: FAM-6
Sample Location: SUFFERN, NY

Date Collected: 05/11/17 12:37
Date Received: 05/11/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1715452
Report Date: 05/17/17

SAMPLE RESULTS

Lab ID: L1715452-01
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 05/11/17 12:37
 Date Received: 05/11/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	82		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	85		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1715452
Report Date: 05/17/17

SAMPLE RESULTS

Lab ID: L1715452-01
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 05/16/17 19:08
 Analyst: MB

Date Collected: 05/11/17 12:37
 Date Received: 05/11/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.091	0.020	--	0.572	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.023	0.020	--	0.156	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	86		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	88		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1715452
Report Date: 05/17/17

SAMPLE RESULTS

Lab ID: L1715452-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 05/16/17 20:47
 Analyst: MB

Date Collected: 05/11/17 12:56
 Date Received: 05/11/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.336	0.200	--	1.66	0.989	--		1
Chloromethane	0.457	0.200	--	0.944	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.12	1.00	--	5.04	2.38	--		1
Trichlorofluoromethane	0.249	0.200	--	1.40	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1715452
Report Date: 05/17/17

SAMPLE RESULTS

Lab ID: L1715452-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 05/11/17 12:56
 Date Received: 05/11/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1715452
Report Date: 05/17/17

SAMPLE RESULTS

Lab ID: L1715452-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 05/11/17 12:56
 Date Received: 05/11/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	81		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	85		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1715452
Report Date: 05/17/17

SAMPLE RESULTS

Lab ID: L1715452-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 05/16/17 20:47
 Analyst: MB

Date Collected: 05/11/17 12:56
 Date Received: 05/11/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.090	0.020	--	0.566	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	84		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	87		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1715452
Report Date: 05/17/17

SAMPLE RESULTS

Lab ID: L1715452-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 05/16/17 20:14
 Analyst: MB

Date Collected: 05/11/17 12:43
 Date Received: 05/11/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.372	0.200	--	1.84	0.989	--		1
Chloromethane	0.477	0.200	--	0.985	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.63	1.00	--	6.25	2.38	--		1
Trichlorofluoromethane	0.257	0.200	--	1.44	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1715452
Report Date: 05/17/17

SAMPLE RESULTS

Lab ID: L1715452-03
Client ID: FAM-2
Sample Location: SUFFERN, NY

Date Collected: 05/11/17 12:43
Date Received: 05/11/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1715452
Report Date: 05/17/17

SAMPLE RESULTS

Lab ID: L1715452-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 05/11/17 12:43
 Date Received: 05/11/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	81		60-140
Bromochloromethane	84		60-140
chlorobenzene-d5	86		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1715452
Report Date: 05/17/17

SAMPLE RESULTS

Lab ID: L1715452-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 05/16/17 20:14
 Analyst: MB

Date Collected: 05/11/17 12:43
 Date Received: 05/11/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.090	0.020	--	0.566	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	85		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	88		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1716313
Report Date: 05/23/17

SAMPLE RESULTS

Lab ID: L1716313-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 05/20/17 22:06
 Analyst: MB

Date Collected: 05/18/17 12:14
 Date Received: 05/18/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.324	0.200	--	1.60	0.989	--		1
Chloromethane	0.549	0.200	--	1.13	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	9.71	1.00	--	23.1	2.38	--		1
Trichlorofluoromethane	0.227	0.200	--	1.28	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.563	0.500	--	1.66	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1716313
Report Date: 05/23/17

SAMPLE RESULTS

Lab ID: L1716313-01
Client ID: FAM-5
Sample Location: SUFFERN, NY

Date Collected: 05/18/17 12:14
Date Received: 05/18/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1716313
Report Date: 05/23/17

SAMPLE RESULTS

Lab ID: L1716313-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 05/18/17 12:14
 Date Received: 05/18/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	71		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	86		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1716313
Report Date: 05/23/17

SAMPLE RESULTS

Lab ID: L1716313-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 05/20/17 22:06
 Analyst: MB

Date Collected: 05/18/17 12:14
 Date Received: 05/18/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.102	0.020	--	0.642	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	74		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	88		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1716313
Report Date: 05/23/17

SAMPLE RESULTS

Lab ID: L1716313-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 05/20/17 22:39
 Analyst: MB

Date Collected: 05/18/17 12:17
 Date Received: 05/18/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.300	0.200	--	1.48	0.989	--		1
Chloromethane	0.617	0.200	--	1.27	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	6.77	1.00	--	16.1	2.38	--		1
Trichlorofluoromethane	0.236	0.200	--	1.33	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1716313
Report Date: 05/23/17

SAMPLE RESULTS

Lab ID: L1716313-02
Client ID: FAM-1
Sample Location: SUFFERN, NY

Date Collected: 05/18/17 12:17
Date Received: 05/18/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1716313
Report Date: 05/23/17

SAMPLE RESULTS

Lab ID: L1716313-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 05/18/17 12:17
 Date Received: 05/18/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	76		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	83		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1716313
Report Date: 05/23/17

SAMPLE RESULTS

Lab ID: L1716313-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 05/20/17 22:39
 Analyst: MB

Date Collected: 05/18/17 12:17
 Date Received: 05/18/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.093	0.020	--	0.585	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	79		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	83		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1716313
Report Date: 05/23/17

SAMPLE RESULTS

Lab ID: L1716313-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 05/20/17 23:44
 Analyst: MB

Date Collected: 05/18/17 12:25
 Date Received: 05/18/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.326	0.200	--	1.61	0.989	--		1
Chloromethane	0.561	0.200	--	1.16	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	6.41	1.00	--	15.2	2.38	--		1
Trichlorofluoromethane	0.229	0.200	--	1.29	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1716313
Report Date: 05/23/17

SAMPLE RESULTS

Lab ID: L1716313-03
Client ID: FAM-2
Sample Location: SUFFERN, NY

Date Collected: 05/18/17 12:25
Date Received: 05/18/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1716313
Report Date: 05/23/17

SAMPLE RESULTS

Lab ID: L1716313-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 05/18/17 12:25
 Date Received: 05/18/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	82		60-140
Bromochloromethane	87		60-140
chlorobenzene-d5	84		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1716313
Report Date: 05/23/17

SAMPLE RESULTS

Lab ID: L1716313-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 05/20/17 23:44
 Analyst: MB

Date Collected: 05/18/17 12:25
 Date Received: 05/18/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.087	0.020	--	0.547	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	85		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	86		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1717341
Report Date: 05/30/17

SAMPLE RESULTS

Lab ID: L1717341-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 05/26/17 19:45
 Analyst: RY

Date Collected: 05/25/17 12:22
 Date Received: 05/25/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.419	0.200	--	2.07	0.989	--		1
Chloromethane	0.569	0.200	--	1.18	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.38	1.00	--	8.03	2.38	--		1
Trichlorofluoromethane	0.228	0.200	--	1.28	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1717341
Report Date: 05/30/17

SAMPLE RESULTS

Lab ID: L1717341-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 05/25/17 12:22
 Date Received: 05/25/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1717341
Report Date: 05/30/17

SAMPLE RESULTS

Lab ID: L1717341-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 05/25/17 12:22
 Date Received: 05/25/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	82		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	83		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1717341
Report Date: 05/30/17

SAMPLE RESULTS

Lab ID: L1717341-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 05/26/17 19:45
 Analyst: RY

Date Collected: 05/25/17 12:22
 Date Received: 05/25/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.088	0.020	--	0.554	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.029	0.020	--	0.197	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	82		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	87		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1717341
Report Date: 05/30/17

SAMPLE RESULTS

Lab ID: L1717341-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 05/26/17 20:18
 Analyst: RY

Date Collected: 05/25/17 12:25
 Date Received: 05/25/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.334	0.200	--	1.65	0.989	--		1
Chloromethane	0.530	0.200	--	1.09	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.57	1.00	--	6.10	2.38	--		1
Trichlorofluoromethane	0.224	0.200	--	1.26	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1717341
Report Date: 05/30/17

SAMPLE RESULTS

Lab ID: L1717341-02
Client ID: FAM-6
Sample Location: SUFFERN, NY

Date Collected: 05/25/17 12:25
Date Received: 05/25/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1717341
Report Date: 05/30/17

SAMPLE RESULTS

Lab ID: L1717341-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 05/25/17 12:25
 Date Received: 05/25/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	84		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	82		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1717341
Report Date: 05/30/17

SAMPLE RESULTS

Lab ID: L1717341-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 05/26/17 20:18
 Analyst: RY

Date Collected: 05/25/17 12:25
 Date Received: 05/25/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.090	0.020	--	0.566	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.038	0.020	--	0.258	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	82		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	85		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1717341
Report Date: 05/30/17

SAMPLE RESULTS

Lab ID: L1717341-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 05/26/17 20:51
 Analyst: RY

Date Collected: 05/25/17 12:31
 Date Received: 05/25/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.307	0.200	--	1.52	0.989	--		1
Chloromethane	0.545	0.200	--	1.13	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.72	1.00	--	8.84	2.38	--		1
Trichlorofluoromethane	0.223	0.200	--	1.25	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.669	0.500	--	2.32	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1717341
Report Date: 05/30/17

SAMPLE RESULTS

Lab ID: L1717341-03
Client ID: FAM-1
Sample Location: SUFFERN, NY

Date Collected: 05/25/17 12:31
Date Received: 05/25/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	0.226	0.200	--	0.796	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	0.297	0.200	--	1.02	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.212	0.200	--	0.799	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1717341
Report Date: 05/30/17

SAMPLE RESULTS

Lab ID: L1717341-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 05/25/17 12:31
 Date Received: 05/25/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	83		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	83		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1717341
Report Date: 05/30/17

SAMPLE RESULTS

Lab ID: L1717341-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 05/26/17 20:51
 Analyst: RY

Date Collected: 05/25/17 12:31
 Date Received: 05/25/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.088	0.020	--	0.554	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.081	0.020	--	0.549	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	83		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	87		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1718111
Report Date: 06/06/17

SAMPLE RESULTS

Lab ID: L1718111-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 06/05/17 19:37
 Analyst: MB

Date Collected: 06/01/17 12:27
 Date Received: 06/01/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.456	0.200	--	2.25	0.989	--		1
Chloromethane	0.463	0.200	--	0.956	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.26	1.00	--	7.74	2.38	--		1
Trichlorofluoromethane	0.285	0.200	--	1.60	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1718111
Report Date: 06/06/17

SAMPLE RESULTS

Lab ID: L1718111-01
Client ID: FAM-5
Sample Location: SUFFERN, NY

Date Collected: 06/01/17 12:27
Date Received: 06/01/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1718111
Report Date: 06/06/17

SAMPLE RESULTS

Lab ID: L1718111-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 06/01/17 12:27
 Date Received: 06/01/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	84		60-140
Bromochloromethane	81		60-140
chlorobenzene-d5	79		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1718111
Report Date: 06/06/17

SAMPLE RESULTS

Lab ID: L1718111-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 06/05/17 19:37
 Analyst: MB

Date Collected: 06/01/17 12:27
 Date Received: 06/01/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.061	0.020	--	0.384	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.025	0.020	--	0.170	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	85		60-140
bromochloromethane	85		60-140
chlorobenzene-d5	80		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1718111
Report Date: 06/06/17

SAMPLE RESULTS

Lab ID: L1718111-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 06/05/17 20:47
 Analyst: MB

Date Collected: 06/01/17 12:32
 Date Received: 06/01/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.450	0.200	--	2.23	0.989	--		1
Chloromethane	0.469	0.200	--	0.968	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.10	1.00	--	7.36	2.38	--		1
Trichlorofluoromethane	0.271	0.200	--	1.52	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1718111
Report Date: 06/06/17

SAMPLE RESULTS

Lab ID: L1718111-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 06/01/17 12:32
 Date Received: 06/01/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1718111
Report Date: 06/06/17

SAMPLE RESULTS

Lab ID: L1718111-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 06/01/17 12:32
 Date Received: 06/01/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	80		60-140
Bromochloromethane	79		60-140
chlorobenzene-d5	73		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1718111
Report Date: 06/06/17

SAMPLE RESULTS

Lab ID: L1718111-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 06/05/17 20:47
 Analyst: MB

Date Collected: 06/01/17 12:32
 Date Received: 06/01/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.064	0.020	--	0.403	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.026	0.020	--	0.176	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	80		60-140
bromochloromethane	82		60-140
chlorobenzene-d5	75		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1718111
Report Date: 06/06/17

SAMPLE RESULTS

Lab ID: L1718111-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 06/05/17 21:21
 Analyst: MB

Date Collected: 06/01/17 12:42
 Date Received: 06/01/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.441	0.200	--	2.18	0.989	--		1
Chloromethane	0.494	0.200	--	1.02	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	5.27	5.00	--	9.93	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.08	1.00	--	7.32	2.38	--		1
Trichlorofluoromethane	0.296	0.200	--	1.66	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1718111
Report Date: 06/06/17

SAMPLE RESULTS

Lab ID: L1718111-03
Client ID: FAM-1
Sample Location: SUFFERN, NY

Date Collected: 06/01/17 12:42
Date Received: 06/01/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.281	0.200	--	1.06	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1718111
Report Date: 06/06/17

SAMPLE RESULTS

Lab ID: L1718111-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 06/01/17 12:42
 Date Received: 06/01/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	78		60-140
Bromochloromethane	75		60-140
chlorobenzene-d5	71		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1718111
Report Date: 06/06/17

SAMPLE RESULTS

Lab ID: L1718111-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 06/05/17 21:21
 Analyst: MB

Date Collected: 06/01/17 12:42
 Date Received: 06/01/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.063	0.020	--	0.396	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.026	0.020	--	0.176	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	78		60-140
bromochloromethane	78		60-140
chlorobenzene-d5	73		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1719145
Report Date: 06/19/17

SAMPLE RESULTS

Lab ID: L1719145-01
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 06/16/17 19:10
 Analyst: RY

Date Collected: 06/08/17 12:16
 Date Received: 06/08/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.308	0.200	--	1.52	0.989	--		1
Chloromethane	0.479	0.200	--	0.989	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.83	1.00	--	4.35	2.38	--		1
Trichlorofluoromethane	0.205	0.200	--	1.15	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1719145
Report Date: 06/19/17

SAMPLE RESULTS

Lab ID: L1719145-01
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 06/08/17 12:16
 Date Received: 06/08/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1719145
Report Date: 06/19/17

SAMPLE RESULTS

Lab ID: L1719145-01
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 06/08/17 12:16
 Date Received: 06/08/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	86		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1719145
Report Date: 06/19/17

SAMPLE RESULTS

Lab ID: L1719145-01
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 06/16/17 19:10
 Analyst: RY

Date Collected: 06/08/17 12:16
 Date Received: 06/08/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.070	0.020	--	0.440	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	84		60-140
bromochloromethane	87		60-140
chlorobenzene-d5	81		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1719145
Report Date: 06/19/17

SAMPLE RESULTS

Lab ID: L1719145-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 06/16/17 19:43
 Analyst: RY

Date Collected: 06/08/17 12:05
 Date Received: 06/08/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.350	0.200	--	1.73	0.989	--		1
Chloromethane	0.493	0.200	--	1.02	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.07	1.00	--	4.92	2.38	--		1
Trichlorofluoromethane	0.200	0.200	--	1.12	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1719145
Report Date: 06/19/17

SAMPLE RESULTS

Lab ID: L1719145-02
Client ID: FAM-6
Sample Location: SUFFERN, NY

Date Collected: 06/08/17 12:05
Date Received: 06/08/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1719145
Report Date: 06/19/17

SAMPLE RESULTS

Lab ID: L1719145-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 06/08/17 12:05
 Date Received: 06/08/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	79		60-140
Bromochloromethane	87		60-140
chlorobenzene-d5	91		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1719145
Report Date: 06/19/17

SAMPLE RESULTS

Lab ID: L1719145-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 06/16/17 19:43
 Analyst: RY

Date Collected: 06/08/17 12:05
 Date Received: 06/08/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.079	0.020	--	0.497	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	75		60-140
bromochloromethane	85		60-140
chlorobenzene-d5	87		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1719145
Report Date: 06/19/17

SAMPLE RESULTS

Lab ID: L1719145-03
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 06/16/17 20:48
 Analyst: RY

Date Collected: 06/08/17 12:01
 Date Received: 06/08/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.348	0.200	--	1.72	0.989	--		1
Chloromethane	0.477	0.200	--	0.985	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.12	1.00	--	5.04	2.38	--		1
Trichlorofluoromethane	0.202	0.200	--	1.14	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1719145
Report Date: 06/19/17

SAMPLE RESULTS

Lab ID: L1719145-03
Client ID: FAM-5
Sample Location: SUFFERN, NY

Date Collected: 06/08/17 12:01
Date Received: 06/08/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1719145
Report Date: 06/19/17

SAMPLE RESULTS

Lab ID: L1719145-03
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 06/08/17 12:01
 Date Received: 06/08/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	77		60-140
Bromochloromethane	84		60-140
chlorobenzene-d5	86		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1719145
Report Date: 06/19/17

SAMPLE RESULTS

Lab ID: L1719145-03
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 06/16/17 20:48
 Analyst: RY

Date Collected: 06/08/17 12:01
 Date Received: 06/08/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.080	0.020	--	0.503	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	73		60-140
bromochloromethane	82		60-140
chlorobenzene-d5	83		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1720314
Report Date: 06/22/17

SAMPLE RESULTS

Lab ID: L1720314-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 06/21/17 23:01
 Analyst: RY

Date Collected: 06/15/17 12:22
 Date Received: 06/15/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.490	0.200	--	2.42	0.989	--		1
Chloromethane	0.511	0.200	--	1.06	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.21	1.00	--	10.0	2.38	--		1
Trichlorofluoromethane	0.216	0.200	--	1.21	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1720314
Report Date: 06/22/17

SAMPLE RESULTS

Lab ID: L1720314-01
Client ID: FAM-5
Sample Location: SUFFERN, NY

Date Collected: 06/15/17 12:22
Date Received: 06/15/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.209	0.200	--	0.788	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1720314
Report Date: 06/22/17

SAMPLE RESULTS

Lab ID: L1720314-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 06/15/17 12:22
 Date Received: 06/15/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	65		60-140
Bromochloromethane	80		60-140
chlorobenzene-d5	82		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1720314
Report Date: 06/22/17

SAMPLE RESULTS

Lab ID: L1720314-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 06/21/17 23:01
 Analyst: RY

Date Collected: 06/15/17 12:22
 Date Received: 06/15/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.093	0.020	--	0.585	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.033	0.020	--	0.224	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	69		60-140
bromochloromethane	82		60-140
chlorobenzene-d5	84		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1720314
Report Date: 06/22/17

SAMPLE RESULTS

Lab ID: L1720314-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 06/21/17 23:34
 Analyst: RY

Date Collected: 06/15/17 12:28
 Date Received: 06/15/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.429	0.200	--	2.12	0.989	--		1
Chloromethane	0.490	0.200	--	1.01	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.26	1.00	--	10.1	2.38	--		1
Trichlorofluoromethane	0.227	0.200	--	1.28	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1720314
Report Date: 06/22/17

SAMPLE RESULTS

Lab ID: L1720314-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 06/15/17 12:28
 Date Received: 06/15/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.212	0.200	--	0.799	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1720314
Report Date: 06/22/17

SAMPLE RESULTS

Lab ID: L1720314-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 06/15/17 12:28
 Date Received: 06/15/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	65		60-140
Bromochloromethane	82		60-140
chlorobenzene-d5	82		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1720314
Report Date: 06/22/17

SAMPLE RESULTS

Lab ID: L1720314-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 06/21/17 23:34
 Analyst: RY

Date Collected: 06/15/17 12:28
 Date Received: 06/15/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.093	0.020	--	0.585	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.025	0.020	--	0.170	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	67		60-140
bromochloromethane	84		60-140
chlorobenzene-d5	84		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1720314
Report Date: 06/22/17

SAMPLE RESULTS

Lab ID: L1720314-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 06/22/17 00:07
 Analyst: RY

Date Collected: 06/15/17 12:36
 Date Received: 06/15/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.459	0.200	--	2.27	0.989	--		1
Chloromethane	0.523	0.200	--	1.08	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.41	1.00	--	10.5	2.38	--		1
Trichlorofluoromethane	0.233	0.200	--	1.31	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1720314
Report Date: 06/22/17

SAMPLE RESULTS

Lab ID: L1720314-03
Client ID: FAM-1
Sample Location: SUFFERN, NY

Date Collected: 06/15/17 12:36
Date Received: 06/15/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.206	0.200	--	0.776	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1720314
Report Date: 06/22/17

SAMPLE RESULTS

Lab ID: L1720314-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 06/15/17 12:36
 Date Received: 06/15/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	60		60-140
Bromochloromethane	75		60-140
chlorobenzene-d5	81		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1720314
Report Date: 06/22/17

SAMPLE RESULTS

Lab ID: L1720314-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 06/22/17 00:07
 Analyst: RY

Date Collected: 06/15/17 12:36
 Date Received: 06/15/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.101	0.020	--	0.635	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.025	0.020	--	0.170	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	61		60-140
bromochloromethane	77		60-140
chlorobenzene-d5	83		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1721422
Report Date: 06/29/17

SAMPLE RESULTS

Lab ID: L1721422-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 06/27/17 19:17
 Analyst: MB

Date Collected: 06/22/17 12:17
 Date Received: 06/22/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.447	0.200	--	2.21	0.989	--		1
Chloromethane	0.524	0.200	--	1.08	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.91	1.00	--	9.29	2.38	--		1
Trichlorofluoromethane	0.218	0.200	--	1.23	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	2.28	0.500	--	7.92	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1721422
Report Date: 06/29/17

SAMPLE RESULTS

Lab ID: L1721422-01
Client ID: FAM-3
Sample Location: SUFFERN, NY

Date Collected: 06/22/17 12:17
Date Received: 06/22/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1721422
Report Date: 06/29/17

SAMPLE RESULTS

Lab ID: L1721422-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 06/22/17 12:17
 Date Received: 06/22/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	83		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	81		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1721422
Report Date: 06/29/17

SAMPLE RESULTS

Lab ID: L1721422-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 06/27/17 19:17
 Analyst: MB

Date Collected: 06/22/17 12:17
 Date Received: 06/22/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.076	0.020	--	0.478	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	81		60-140
bromochloromethane	86		60-140
chlorobenzene-d5	79		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1721422
Report Date: 06/29/17

SAMPLE RESULTS

Lab ID: L1721422-02
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 06/27/17 20:22
 Analyst: MB

Date Collected: 06/22/17 12:20
 Date Received: 06/22/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.424	0.200	--	2.10	0.989	--		1
Chloromethane	0.479	0.200	--	0.989	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.30	1.00	--	7.84	2.38	--		1
Trichlorofluoromethane	0.214	0.200	--	1.20	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1721422
Report Date: 06/29/17

SAMPLE RESULTS

Lab ID: L1721422-02
Client ID: FAM-5
Sample Location: SUFFERN, NY

Date Collected: 06/22/17 12:20
Date Received: 06/22/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1721422
Report Date: 06/29/17

SAMPLE RESULTS

Lab ID: L1721422-02
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 06/22/17 12:20
 Date Received: 06/22/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	73		60-140
Bromochloromethane	83		60-140
chlorobenzene-d5	77		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1721422
Report Date: 06/29/17

SAMPLE RESULTS

Lab ID: L1721422-02
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 06/27/17 20:22
 Analyst: MB

Date Collected: 06/22/17 12:20
 Date Received: 06/22/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.087	0.020	--	0.547	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	70		60-140
bromochloromethane	82		60-140
chlorobenzene-d5	75		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1721422
Report Date: 06/29/17

SAMPLE RESULTS

Lab ID: L1721422-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 06/27/17 20:55
 Analyst: MB

Date Collected: 06/22/17 12:26
 Date Received: 06/22/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.431	0.200	--	2.13	0.989	--		1
Chloromethane	0.468	0.200	--	0.966	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.10	1.00	--	7.36	2.38	--		1
Trichlorofluoromethane	0.229	0.200	--	1.29	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1721422
Report Date: 06/29/17

SAMPLE RESULTS

Lab ID: L1721422-03
Client ID: FAM-2
Sample Location: SUFFERN, NY

Date Collected: 06/22/17 12:26
Date Received: 06/22/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1721422
Report Date: 06/29/17

SAMPLE RESULTS

Lab ID: L1721422-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 06/22/17 12:26
 Date Received: 06/22/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	80		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	76		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1721422
Report Date: 06/29/17

SAMPLE RESULTS

Lab ID: L1721422-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 06/27/17 20:55
 Analyst: MB

Date Collected: 06/22/17 12:26
 Date Received: 06/22/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.077	0.020	--	0.484	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	78		60-140
bromochloromethane	84		60-140
chlorobenzene-d5	74		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1722314
Report Date: 07/07/17

SAMPLE RESULTS

Lab ID: L1722314-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 07/06/17 21:48
 Analyst: RY

Date Collected: 06/29/17 12:10
 Date Received: 06/29/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.382	0.200	--	1.89	0.989	--		1
Chloromethane	0.452	0.200	--	0.933	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.25	1.00	--	7.72	2.38	--		1
Trichlorofluoromethane	0.235	0.200	--	1.32	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1722314
Report Date: 07/07/17

SAMPLE RESULTS

Lab ID: L1722314-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 06/29/17 12:10
 Date Received: 06/29/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1722314
Report Date: 07/07/17

SAMPLE RESULTS

Lab ID: L1722314-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 06/29/17 12:10
 Date Received: 06/29/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	86		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1722314
Report Date: 07/07/17

SAMPLE RESULTS

Lab ID: L1722314-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 07/06/17 21:48
 Analyst: RY

Date Collected: 06/29/17 12:10
 Date Received: 06/29/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.073	0.020	--	0.459	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	85		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	81		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1722314
Report Date: 07/07/17

SAMPLE RESULTS

Lab ID: L1722314-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 07/06/17 22:23
 Analyst: RY

Date Collected: 06/29/17 12:15
 Date Received: 06/29/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.388	0.200	--	1.92	0.989	--		1
Chloromethane	0.438	0.200	--	0.904	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.21	1.00	--	7.63	2.38	--		1
Trichlorofluoromethane	0.229	0.200	--	1.29	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1722314
Report Date: 07/07/17

SAMPLE RESULTS

Lab ID: L1722314-02
Client ID: FAM-1
Sample Location: SUFFERN, NY

Date Collected: 06/29/17 12:15
Date Received: 06/29/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1722314
Report Date: 07/07/17

SAMPLE RESULTS

Lab ID: L1722314-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 06/29/17 12:15
 Date Received: 06/29/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	88		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1722314
Report Date: 07/07/17

SAMPLE RESULTS

Lab ID: L1722314-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 07/06/17 22:23
 Analyst: RY

Date Collected: 06/29/17 12:15
 Date Received: 06/29/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.071	0.020	--	0.447	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	88		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	85		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1722314
Report Date: 07/07/17

SAMPLE RESULTS

Lab ID: L1722314-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 07/06/17 22:58
 Analyst: RY

Date Collected: 06/29/17 12:18
 Date Received: 06/29/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.303	0.200	--	1.50	0.989	--		1
Chloromethane	0.420	0.200	--	0.867	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.27	1.00	--	10.1	2.38	--		1
Trichlorofluoromethane	0.238	0.200	--	1.34	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1722314
Report Date: 07/07/17

SAMPLE RESULTS

Lab ID: L1722314-03
Client ID: FAM-2
Sample Location: SUFFERN, NY

Date Collected: 06/29/17 12:18
Date Received: 06/29/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1722314
Report Date: 07/07/17

SAMPLE RESULTS

Lab ID: L1722314-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 06/29/17 12:18
 Date Received: 06/29/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	89		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1722314
Report Date: 07/07/17

SAMPLE RESULTS

Lab ID: L1722314-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 07/06/17 22:58
 Analyst: RY

Date Collected: 06/29/17 12:18
 Date Received: 06/29/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.068	0.020	--	0.428	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	89		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	87		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1723194
Report Date: 07/14/17

SAMPLE RESULTS

Lab ID: L1723194-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 07/13/17 18:45
 Analyst: RY

Date Collected: 07/07/17 12:27
 Date Received: 07/07/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.388	0.200	--	1.92	0.989	--		1
Chloromethane	0.577	0.200	--	1.19	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.95	1.00	--	9.38	2.38	--		1
Trichlorofluoromethane	0.213	0.200	--	1.20	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1723194
Report Date: 07/14/17

SAMPLE RESULTS

Lab ID: L1723194-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 07/07/17 12:27
 Date Received: 07/07/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.272	0.200	--	1.03	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1723194
Report Date: 07/14/17

SAMPLE RESULTS

Lab ID: L1723194-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 07/07/17 12:27
 Date Received: 07/07/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	82		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	75		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1723194
Report Date: 07/14/17

SAMPLE RESULTS

Lab ID: L1723194-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 07/13/17 18:45
 Analyst: RY

Date Collected: 07/07/17 12:27
 Date Received: 07/07/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.074	0.020	--	0.465	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.047	0.020	--	0.319	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	85		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	77		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1723194
Report Date: 07/14/17

SAMPLE RESULTS

Lab ID: L1723194-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 07/13/17 19:20
 Analyst: RY

Date Collected: 07/07/17 12:28
 Date Received: 07/07/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.422	0.200	--	2.09	0.989	--		1
Chloromethane	0.527	0.200	--	1.09	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.22	1.00	--	10.0	2.38	--		1
Trichlorofluoromethane	0.219	0.200	--	1.23	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1723194
Report Date: 07/14/17

SAMPLE RESULTS

Lab ID: L1723194-02
Client ID: FAM-6
Sample Location: SUFFERN, NY

Date Collected: 07/07/17 12:28
Date Received: 07/07/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.336	0.200	--	1.27	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1723194
Report Date: 07/14/17

SAMPLE RESULTS

Lab ID: L1723194-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 07/07/17 12:28
 Date Received: 07/07/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	80		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	77		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1723194
Report Date: 07/14/17

SAMPLE RESULTS

Lab ID: L1723194-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 07/13/17 19:20
 Analyst: RY

Date Collected: 07/07/17 12:28
 Date Received: 07/07/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.073	0.020	--	0.459	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.040	0.020	--	0.271	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	84		60-140
bromochloromethane	87		60-140
chlorobenzene-d5	79		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1723194
Report Date: 07/14/17

SAMPLE RESULTS

Lab ID: L1723194-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 07/13/17 19:55
 Analyst: RY

Date Collected: 07/07/17 12:31
 Date Received: 07/07/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.456	0.200	--	2.25	0.989	--		1
Chloromethane	0.583	0.200	--	1.20	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	5.46	5.00	--	10.3	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.77	1.00	--	11.3	2.38	--		1
Trichlorofluoromethane	0.226	0.200	--	1.27	1.12	--		1
Isopropanol	0.509	0.500	--	1.25	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1723194
Report Date: 07/14/17

SAMPLE RESULTS

Lab ID: L1723194-03
Client ID: FAM-1
Sample Location: SUFFERN, NY

Date Collected: 07/07/17 12:31
Date Received: 07/07/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.311	0.200	--	1.17	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1723194
Report Date: 07/14/17

SAMPLE RESULTS

Lab ID: L1723194-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 07/07/17 12:31
 Date Received: 07/07/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	82		60-140
Bromochloromethane	84		60-140
chlorobenzene-d5	75		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1723194
Report Date: 07/14/17

SAMPLE RESULTS

Lab ID: L1723194-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 07/13/17 19:55
 Analyst: RY

Date Collected: 07/07/17 12:31
 Date Received: 07/07/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.072	0.020	--	0.453	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.033	0.020	--	0.224	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	86		60-140
bromochloromethane	87		60-140
chlorobenzene-d5	79		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1724045
Report Date: 07/18/17

SAMPLE RESULTS

Lab ID: L1724045-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 07/17/17 20:20
 Analyst: MB

Date Collected: 07/13/17 12:51
 Date Received: 07/13/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.263	0.200	--	1.30	0.989	--		1
Chloromethane	0.418	0.200	--	0.863	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.14	1.00	--	7.46	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.607	0.500	--	2.11	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1724045
Report Date: 07/18/17

SAMPLE RESULTS

Lab ID: L1724045-01
Client ID: FAM-5
Sample Location: SUFFERN, NY

Date Collected: 07/13/17 12:51
Date Received: 07/13/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1724045
Report Date: 07/18/17

SAMPLE RESULTS

Lab ID: L1724045-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY

Date Collected: 07/13/17 12:51
 Date Received: 07/13/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	79		60-140
Bromochloromethane	131		60-140
chlorobenzene-d5	77		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1724045
Report Date: 07/18/17

SAMPLE RESULTS

Lab ID: L1724045-01
 Client ID: FAM-5
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 07/17/17 20:20
 Analyst: MB

Date Collected: 07/13/17 12:51
 Date Received: 07/13/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.076	0.020	--	0.478	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	82		60-140
bromochloromethane	129		60-140
chlorobenzene-d5	83		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1724045
Report Date: 07/18/17

SAMPLE RESULTS

Lab ID: L1724045-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 07/15/17 17:29
 Analyst: MB

Date Collected: 07/13/17 12:54
 Date Received: 07/13/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.320	0.200	--	1.58	0.989	--		1
Chloromethane	0.586	0.200	--	1.21	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.87	1.00	--	11.6	2.38	--		1
Trichlorofluoromethane	0.217	0.200	--	1.22	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.733	0.500	--	2.16	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1724045
Report Date: 07/18/17

SAMPLE RESULTS

Lab ID: L1724045-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 07/13/17 12:54
 Date Received: 07/13/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1724045
Report Date: 07/18/17

SAMPLE RESULTS

Lab ID: L1724045-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 07/13/17 12:54
 Date Received: 07/13/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	82		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	75		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1724045
Report Date: 07/18/17

SAMPLE RESULTS

Lab ID: L1724045-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 07/15/17 17:29
 Analyst: MB

Date Collected: 07/13/17 12:54
 Date Received: 07/13/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.074	0.020	--	0.465	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	82		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	78		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1724045
Report Date: 07/18/17

SAMPLE RESULTS

Lab ID: L1724045-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 07/15/17 18:03
 Analyst: MB

Date Collected: 07/13/17 12:56
 Date Received: 07/13/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.277	0.200	--	1.37	0.989	--		1
Chloromethane	0.394	0.200	--	0.814	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.82	1.00	--	6.70	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1724045
Report Date: 07/18/17

SAMPLE RESULTS

Lab ID: L1724045-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 07/13/17 12:56
 Date Received: 07/13/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1724045
Report Date: 07/18/17

SAMPLE RESULTS

Lab ID: L1724045-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 07/13/17 12:56
 Date Received: 07/13/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	79		60-140
Bromochloromethane	137		60-140
chlorobenzene-d5	75		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1724045
Report Date: 07/18/17

SAMPLE RESULTS

Lab ID: L1724045-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 07/15/17 18:03
 Analyst: MB

Date Collected: 07/13/17 12:56
 Date Received: 07/13/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.076	0.020	--	0.478	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.078	0.020	--	0.529	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	79		60-140
bromochloromethane	130		60-140
chlorobenzene-d5	77		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1725076
Report Date: 07/25/17

SAMPLE RESULTS

Lab ID: L1725076-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 07/22/17 16:46
 Analyst: MB

Date Collected: 07/20/17 10:58
 Date Received: 07/20/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.425	0.200	--	2.10	0.989	--		1
Chloromethane	0.542	0.200	--	1.12	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.44	1.00	--	10.5	2.38	--		1
Trichlorofluoromethane	0.203	0.200	--	1.14	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.784	0.500	--	2.72	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.511	0.500	--	1.51	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1725076
Report Date: 07/25/17

SAMPLE RESULTS

Lab ID: L1725076-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 07/20/17 10:58
 Date Received: 07/20/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1725076
Report Date: 07/25/17

SAMPLE RESULTS

Lab ID: L1725076-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY

Date Collected: 07/20/17 10:58
 Date Received: 07/20/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	86		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	79		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1725076
Report Date: 07/25/17

SAMPLE RESULTS

Lab ID: L1725076-01
 Client ID: FAM-3
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 07/22/17 16:46
 Analyst: MB

Date Collected: 07/20/17 10:58
 Date Received: 07/20/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.074	0.020	--	0.465	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	85		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	76		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1725076
Report Date: 07/25/17

SAMPLE RESULTS

Lab ID: L1725076-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 07/22/17 17:19
 Analyst: MB

Date Collected: 07/20/17 11:42
 Date Received: 07/20/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.308	0.200	--	1.52	0.989	--		1
Chloromethane	0.556	0.200	--	1.15	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	6.04	1.00	--	14.3	2.38	--		1
Trichlorofluoromethane	0.220	0.200	--	1.24	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.516	0.500	--	1.52	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.226	0.200	--	1.10	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1725076
Report Date: 07/25/17

SAMPLE RESULTS

Lab ID: L1725076-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 07/20/17 11:42
 Date Received: 07/20/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.234	0.200	--	0.959	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1725076
Report Date: 07/25/17

SAMPLE RESULTS

Lab ID: L1725076-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 07/20/17 11:42
 Date Received: 07/20/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	71		60-140
Bromochloromethane	83		60-140
chlorobenzene-d5	81		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1725076
Report Date: 07/25/17

SAMPLE RESULTS

Lab ID: L1725076-02
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 07/22/17 17:19
 Analyst: MB

Date Collected: 07/20/17 11:42
 Date Received: 07/20/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.090	0.020	--	0.566	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.063	0.020	--	0.427	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	70		60-140
bromochloromethane	83		60-140
chlorobenzene-d5	80		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1725076
Report Date: 07/25/17

SAMPLE RESULTS

Lab ID: L1725076-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 07/22/17 18:24
 Analyst: MB

Date Collected: 07/20/17 11:05
 Date Received: 07/20/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.360	0.200	--	1.78	0.989	--		1
Chloromethane	0.601	0.200	--	1.24	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.92	1.00	--	11.7	2.38	--		1
Trichlorofluoromethane	0.236	0.200	--	1.33	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1725076
Report Date: 07/25/17

SAMPLE RESULTS

Lab ID: L1725076-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 07/20/17 11:05
 Date Received: 07/20/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1725076
Report Date: 07/25/17

SAMPLE RESULTS

Lab ID: L1725076-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 07/20/17 11:05
 Date Received: 07/20/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	70		60-140
Bromochloromethane	81		60-140
chlorobenzene-d5	85		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1725076
Report Date: 07/25/17

SAMPLE RESULTS

Lab ID: L1725076-03
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 07/22/17 18:24
 Analyst: MB

Date Collected: 07/20/17 11:05
 Date Received: 07/20/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.092	0.020	--	0.579	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	69		60-140
bromochloromethane	82		60-140
chlorobenzene-d5	84		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1725996
Report Date: 07/31/17

SAMPLE RESULTS

Lab ID: L1725996-01
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 07/28/17 18:32
 Analyst: RY

Date Collected: 07/27/17 11:43
 Date Received: 07/27/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.455	0.200	--	2.25	0.989	--		1
Chloromethane	0.535	0.200	--	1.10	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.32	1.00	--	7.89	2.38	--		1
Trichlorofluoromethane	0.211	0.200	--	1.19	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1725996
Report Date: 07/31/17

SAMPLE RESULTS

Lab ID: L1725996-01
Client ID: FAM-6
Sample Location: SUFFERN, NY

Date Collected: 07/27/17 11:43
Date Received: 07/27/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.255	0.200	--	0.961	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1725996
Report Date: 07/31/17

SAMPLE RESULTS

Lab ID: L1725996-01
 Client ID: FAM-6
 Sample Location: SUFFERN, NY

Date Collected: 07/27/17 11:43
 Date Received: 07/27/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	83		60-140
Bromochloromethane	87		60-140
chlorobenzene-d5	79		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1725996
Report Date: 07/31/17

SAMPLE RESULTS

Lab ID: L1725996-01
 Client ID: FAM-6
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 07/28/17 18:32
 Analyst: RY

Date Collected: 07/27/17 11:43
 Date Received: 07/27/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.074	0.020	--	0.465	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.022	0.020	--	0.149	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	84		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	81		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1725996
Report Date: 07/31/17

SAMPLE RESULTS

Lab ID: L1725996-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 07/28/17 19:06
 Analyst: RY

Date Collected: 07/27/17 11:45
 Date Received: 07/27/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.379	0.200	--	1.87	0.989	--		1
Chloromethane	0.529	0.200	--	1.09	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.79	1.00	--	9.00	2.38	--		1
Trichlorofluoromethane	0.215	0.200	--	1.21	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1725996
Report Date: 07/31/17

SAMPLE RESULTS

Lab ID: L1725996-02
Client ID: FAM-1
Sample Location: SUFFERN, NY

Date Collected: 07/27/17 11:45
Date Received: 07/27/17
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.398	0.200	--	1.50	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1725996
Report Date: 07/31/17

SAMPLE RESULTS

Lab ID: L1725996-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY

Date Collected: 07/27/17 11:45
 Date Received: 07/27/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	81		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	79		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1725996
Report Date: 07/31/17

SAMPLE RESULTS

Lab ID: L1725996-02
 Client ID: FAM-1
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 07/28/17 19:06
 Analyst: RY

Date Collected: 07/27/17 11:45
 Date Received: 07/27/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.077	0.020	--	0.484	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.023	0.020	--	0.156	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	82		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	80		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1725996
Report Date: 07/31/17

SAMPLE RESULTS

Lab ID: L1725996-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 07/28/17 20:15
 Analyst: RY

Date Collected: 07/27/17 11:47
 Date Received: 07/27/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.389	0.200	--	1.92	0.989	--		1
Chloromethane	0.561	0.200	--	1.16	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.62	1.00	--	8.60	2.38	--		1
Trichlorofluoromethane	0.238	0.200	--	1.34	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1725996
Report Date: 07/31/17

SAMPLE RESULTS

Lab ID: L1725996-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 07/27/17 11:47
 Date Received: 07/27/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.265	0.200	--	0.999	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1725996
Report Date: 07/31/17

SAMPLE RESULTS

Lab ID: L1725996-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY

Date Collected: 07/27/17 11:47
 Date Received: 07/27/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	79		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	75		60-140



Project Name: O&R SUFFERN
Project Number: 60481992 TASK3

Lab Number: L1725996
Report Date: 07/31/17

SAMPLE RESULTS

Lab ID: L1725996-03
 Client ID: FAM-2
 Sample Location: SUFFERN, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 07/28/17 20:15
 Analyst: RY

Date Collected: 07/27/17 11:47
 Date Received: 07/27/17
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.076	0.020	--	0.478	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.022	0.020	--	0.149	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	80		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	78		60-140

