



Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

Southeast Regional Office • 20 Riverside Drive, Lakeville MA 02347 • 508-946-2700

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Governor

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June 12, 2018

Town of Hanover
Department of Public Works
550 Hanover Street
Hanover, Massachusetts 02339
ATTN: Victor Diniak, DPW Director

RE: **HANOVER**
Release Tracking Number 4-0000090
Former National Fireworks Facility, King St.
Forge Pond Industrial Park
ANALYTICAL RESULTS
229 AMES WAY AND 219 WINTER STREET

Dear Mr. Diniak,

The Massachusetts Department of Environmental Protection (MassDEP or the Department) Bureau of Waste Site Cleanup is tasked with ensuring the cleanup of oil and hazardous material releases pursuant to the Massachusetts Oil and Hazardous Material Release Prevention and Response Act (M.G.L. Chapter 21E). This law is implemented through regulations known as the Massachusetts Contingency Plan (310 CMR 40.0000 et seq. – the MCP). Both M.G.L. c. 21E and the MCP require the performance of response actions to provide for the protection of harm to health, safety, public welfare and the environment which may result from releases and/or threats of releases of oil and/or hazardous material (OHM) at disposal sites.

MassDEP is currently overseeing the assessment of a release of the chemical trichloroethylene (TCE) to the soil and groundwater from the Former National Fireworks Site located in Hanover, Massachusetts. The Site was assigned Release Tracking Number (RTN) 4-0000090 under the MassDEP's Waste Site Cleanup program. On March 27, 2018, MassDEP issued a letter to you (as used in this Letter, you refers to "Town of Hanover DPW") requesting access to the Town of Hanover DPW properties located at 229 Ames Way and 219 Winter Street in Hanover, Massachusetts ("the Hanover DPW Properties") to conduct sampling to evaluate whether the release of TCE has resulted in an impact to indoor air at your buildings.

On April 25, 2018, MassDEP collected indoor air samples from the first floor work space at your property at 229 Ames Way and 219 Winter Street. An outdoor air sample was also collected adjacent to your building at 229 Ames Way. The samples were transported to a MassDEP certified laboratory and analyzed for volatile organic compounds (VOCs) using Environmental Protection Agency (EPA) Method

This information is available in alternate format. Call the MassDEP Diversity Office at 617-556-1139. TTY# MassRelay Service 1-800-439-2370

MassDEP Website: www.mass.gov/dep

Printed on Recycled Paper

HANOVER, Former National Fireworks Facility
RTN 4-0000090

TO-15, which includes TCE. This analytical method also includes many other VOCs, and as noted on the attached analytical results, many other VOCs were detected in the indoor air from your buildings and the outdoor air near your buildings.

ANALYTICAL RESULTS

The laboratory results indicate that TCE was not detected in any of the indoor air samples collected from your buildings nor was TCE detected in the outdoor air sample.

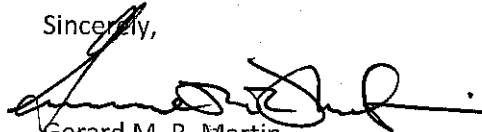
As required by the MCP, MassDEP is providing you, the owner of the properties where the sampling was conducted, with the results of the analysis performed on the samples. The analytical results are attached to this letter.

Many VOCs are commonly detected in indoor and outdoor air and the sources of these VOCs can be from both outdoor sources (e.g. auto exhaust) and indoor sources (e.g. consumer products, construction material, cleaning supplies, outdoor air). To evaluate the concentrations of VOCs in the indoor air, MassDEP has established Commercial/Industrial Threshold Values based, in part, on indoor air data collected from buildings not affected by nearby hazardous waste disposal sites. Therefore, VOCs at and below the Threshold Values are what you would typically expect to find in the indoor air of commercial/industrial buildings. Laboratory analysis of the indoor and outdoor air samples from the Hanover DPW Properties did not detect any concentrations of Site-related VOCs above the Commercial/Industrial Threshold Values.

It should be noted that laboratory analysis did detect concentrations of the VOC 1,4-Dichlorobenze (p-DCB) in the indoor air of the first floor work space at 219 Winter Street above the Commercial/Industrial Threshold Value of 1.70 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$). The compound p-DCB was detected at a concentration of 1.85 $\mu\text{g}/\text{m}^3$. However, p-DCB has not been identified as a Site-related compound. Therefore, its presence is likely the result of indoor sources. The compound p-DCB is commonly used as a disinfectant and is also used to control moths, mold, and mildew.

If you have any questions regarding the enclosed analytical results, please contact Kendall Walker at the letterhead address, by telephone at (508) 946-2846, or by email at kendall.walker@state.ma.us. Please reference RTN 4-0000090 in any written correspondence regarding the Site.

Sincerely,



Gerard M. R. Martin
Deputy Regional Director
Bureau of Waste Site Cleanup

GW/KW

Enclosed: Analytical Results for 229 Ames Way and 219 Winter Street, Hanover, Massachusetts

Ec: Hanover Chief Municipal Officer
Hanover Board of Health

HANOVER, Former National Fireworks Facility
RTN 4-0000090

DEP-SERO

Attn: Deborah A. Marshall-Hewlitt, Chief, BWSC Audit Section

Attn: Andrew Fowler, Regional Counsel

Project Name: FIREWORKS SITE
Project Number: 101879

Lab Number: L1814729
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1814729-01
 Client ID: 219 WINTER-AS-1
 Sample Location: HANOVER, MA

Date Collected: 04/25/18 14:48
 Date Received: 04/26/18
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 101,TO15-SIM
 Analytical Date: 05/05/18 17:08
 Analyst: MB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
MCP Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Acetone	79.3	1.00	--	188	2.38	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.56	0.500	--	4.60	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	0.030	0.020	--	0.147	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.705	0.100	--	2.25	0.319	--		1
Carbon tetrachloride	0.084	0.020	--	0.528	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	0.857	0.500	--	3.51	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1



Project Name: FIREWORKS SITE
Project Number: 101879

Lab Number: L1814729
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1814729-01
 Client ID: 219 WINTER-AS-1
 Sample Location: HANOVER, MA

Date Collected: 04/25/18 14:48
 Date Received: 04/26/18
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
MCP Volatile Organics in Air by SIM - Mansfield Lab								
Toluene	5.13	0.050	--	19.3	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	0.054	0.020	--	0.366	0.136	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	0.474	0.020	--	2.06	0.087	--		1
p/m-Xylene	1.97	0.040	--	8.56	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	0.085	0.020	--	0.362	0.085	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.647	0.020	--	2.81	0.087	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	0.308	0.020	--	1.85	0.120	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	0.173	0.050	--	0.907	0.262	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	87		60-140
bromochloromethane	86		60-140
chlorobenzene-d5	83		60-140



Project Name: FIREWORKS SITE
Project Number: 101879

Lab Number: L1814729
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1814729-02
 Client ID: 229 AMES-AS-2
 Sample Location: HANOVER, MA

Date Collected: 04/25/18 14:54
 Date Received: 04/26/18
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 101,TO15-SIM
 Analytical Date: 05/05/18 17:40
 Analyst: MB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
MCP Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Acetone	19.2	1.00	--	45.6	2.38	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.54	0.500	--	4.54	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	0.036	0.020	--	0.176	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	1.33	0.020	--	7.26	0.109	--		1
Benzene	0.621	0.100	--	1.98	0.319	--		1
Carbon tetrachloride	0.081	0.020	--	0.510	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	0.996	0.500	--	4.08	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1



Project Name: FIREWORKS SITE
Project Number: 101879

Lab Number: L1814729
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1814729-02
 Client ID: 229 AMES-AS-2
 Sample Location: HANOVER, MA

Date Collected: 04/25/18 14:54
 Date Received: 04/26/18
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
MCP Volatile Organics in Air by SIM - Mansfield Lab								
Toluene	5.27	0.050	--	19.9	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	0.309	0.020	--	2.10	0.136	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	1.16	0.020	--	5.04	0.087	--		1
p/m-Xylene	5.15	0.040	--	22.4	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	0.072	0.020	--	0.307	0.085	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	1.65	0.020	--	7.17	0.087	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	0.354	0.050	--	1.86	0.262	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	91		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	99		60-140



Project Name: FIREWORKS SITE
Project Number: 101879

Lab Number: L1814729
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1814729-03
 Client ID: 229 AMES-AS-3
 Sample Location: HANOVER, MA

Date Collected: 04/25/18 14:55
 Date Received: 04/26/18
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 101,TO15-SIM
 Analytical Date: 05/05/18 18:13
 Analyst: MB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
MCP Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Acetone	14.7	1.00	--	34.9	2.38	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	0.718	0.500	--	2.49	1.74	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.23	0.500	--	3.63	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	0.039	0.020	--	0.190	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	1.15	0.020	--	6.27	0.109	--		1
Benzene	0.533	0.100	--	1.70	0.319	--		1
Carbon tetrachloride	0.081	0.020	--	0.510	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	0.024	0.020	--	0.129	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	0.755	0.500	--	3.09	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1



Project Name: FIREWORKS SITE
Project Number: 101879

Lab Number: L1814729
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1814729-03
 Client ID: 229 AMES-AS-3
 Sample Location: HANOVER, MA

Date Collected: 04/25/18 14:55
 Date Received: 04/26/18
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
MCP Volatile Organics in Air by SIM - Mansfield Lab								
Toluene	5.13	0.050	--	19.3	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	0.313	0.020	--	2.12	0.136	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	1.13	0.020	--	4.91	0.087	--		1
p/m-Xylene	5.08	0.040	--	22.1	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	0.068	0.020	--	0.290	0.085	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	1.68	0.020	--	7.30	0.087	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	0.326	0.050	--	1.71	0.262	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	99		60-140
bromochloromethane	82		60-140
chlorobenzene-d5	96		60-140



Project Name: FIREWORKS SITE
Project Number: 101879

Lab Number: L1814729
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1814729-07
 Client ID: 229 AMES-AA-1
 Sample Location: HANOVER, MA

Date Collected: 04/25/18 14:58
 Date Received: 04/26/18
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 101,TO15-SIM
 Analytical Date: 05/05/18 16:03
 Analyst: MB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
MCP Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Acetone	2.71	1.00	--	6.44	2.38	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	0.020	0.020	--	0.098	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	0.081	0.020	--	0.510	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	0.021	0.020	--	0.113	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1



Project Name: FIREWORKS SITE
Project Number: 101879

Lab Number: L1814729
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1814729-07
 Client ID: 229 AMES-AA-1
 Sample Location: HANOVER, MA

Date Collected: 04/25/18 14:58
 Date Received: 04/26/18
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
MCP Volatile Organics in Air by SIM - Mansfield Lab								
Toluene	0.087	0.050	--	0.328	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	0.023	0.020	--	0.156	0.136	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	91		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	85		60-140





AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
 TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: **MASS DEP SERO**
 Address: **20 RIVERSIDE DRIVE**
LAKEVILLE, MA 02347
 Phone: **(508) 946-2888**
 Fax: **(508) 946-2865**

Email: **Deborah.Marshall-Hewitt@state.ma.us**

These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List:

Project Information

Project Name: **FIREWORKS SITE**
 Project Location: **HANOVER, MA**
 Project #: **1018179**
 Project Manager: **DEBBIE MARSHALL-HEWITT**
 ALPHA Quote #:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)

Date Due: Time:

Date Rec'd in Lab: **4/26/18**

Report Information - Data Deliverables

FAX
 ADEx
 Criteria Checker:
 (Default based on Regulatory Criteria Indicated)

Other Formats:
 EMAIL (standard pdf report)
 Additional Deliverables:

Report to: (if different than Project Manager)
PM
Kendall.walker@STATE.MA.US

ALPHA Job #: **L1814729**

Billing Information

Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program Res / Comm

ANALYSIS

TO-15
 TO-15 SIM
 APH
 Fixed Gases
 Sulfides & Mercaptans by TO-15

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION						Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-15	TO-15 SIM	APH	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
		End Date	Start Time	End Time	Initial Vacuum	Final Vacuum												
14729, 01	219 WINTER-AS-1	4/25/18	2:37 PM	2:48 PM	-29.54	-5.81	AA	KW	6L	991	0300	X						
02	229 AMES-AS-2	4/25/18	2:55 PM	2:54 PM	-31.57	-3.51	AA	KW	6L	1701	0085	X						
03	229 AMES-AS-3	4/25/18	2:56 PM	2:55 PM	-28.54	-4.07	AA	KW	6L	2005	0204	X						
04	6 INDUST-AS-4	4/25/18	3:58 PM	4:04 PM	-30.39	-7.50	AA	KW	6L	2573	0984	X						
05	6 INDUST-AS-5	4/25/18	3:59 PM	4:05 PM	-30.07	-5.10	AA	KW	6L	2440	0255	X						
06	6 INDUST-AS-6	4/25/18	4:00 PM	4:06 PM	-30.36	-6.86	AA	KW	6L	2103	0129	X						
07	229 AMES-AA-1	4/25/18	3:01 PM	2:58 PM	-30.37	-5.39	AA	KW	6L	1996	0870	X						
08	2 INDUST-AA-2	4/25/18	4:04 PM	4:10 PM	-27.58	-1.45	AA	KW	6L	2483	0237	X						

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
 SV = Soil Vapor/Landfill Gas/SVE
 Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:

Kendall Walker
MCM

Date/Time

4/26/18 9:50 am
 4/24/18 1020

Received By:

MCM
AAE
Kendall Walker

Date/Time:

4/26/18 9:50
 4/26/18 1020