

HULL

Environment / Energy / Infrastructure

February 23, 2021

Mr. Joseph Kelly
RCRA Corrective Action
United States Environmental Protection Agency, Region 5
77 West Jackson Blvd
Chicago, Illinois 60604

Re: Submittal of Sampling Data for the Former Hoover Facility located at 101 E. Maple Street, North Canton, Ohio, MPL001.600.0227.

Dear Mr. Kelly:

Please find enclosed the following documents in connection with the RFI Addendum 2 sampling activities conducted off-Site at the request of the U.S. EPA for further data collection in response to recent sampling activities completed off-Site by independent contractors. Sampling completed in December 2020 and January 2021 including soil vapor, indoor air, ambient air, and sewer gas sampling at various locations across the Hoover District property and the surrounding neighborhood:

1. Map of sampling locations
2. Tables of sampling results
3. Laboratory analytical reports

The samples were analyzed by an independent, accredited laboratory and then reviewed for quality assurance and control purposes. The data is now final and is being presented through the attached tables with accompanying figures to identify sampling locations and other relevant information. Laboratory analysis reports are also included. This letter and its tables and maps will be delivered to the North Canton Public Library for inclusion in the existing Hoover District environmental reports files.

Soil vapor and air sampling was conducted within storm and sanitary sewers along Ream Street. Samples were also collected and analyzed at off-property locations for soil vapor as well as air as well.

Maple Street is communicating to off-site property owners the sampling results from their respective buildings where samples were collected. Thank you for your attention to this matter.

Sincerely,



Lindsay Crow
Project Manager

Enclosures



Notes:

- *Precise sampling location will be determined based on field reconnaissance.
- **Existing sampling location
- The aerial photo was acquired through the Esri Imagery web service. Aerial photography dated 2020.



4 Hemisphere Way
Bedford, Ohio 44146
Phone: (440) 232-9945
Fax: (440) 232-8777
www.hullinc.com

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February 2021

Former Hoover Facility
RFI Work Plan Addendum 3

**Off-Site
Sampling Locations**

Charlotte Street NW
North Canton, Stark County, Ohio

Figure

1

TABLE 1

SUMMARY OF SOIL GAS/SOIL VAPOR ANALYTICAL DATA COLLECTED WITHIN ANTICIPATED RESIDENTIAL LAND USE AREAS

Sampling Quarter	Reporting Units	Vapor Intrusion Screening Levels for Residential Land Use ^a	RFI Workplan Addendum 2	RFI Workplan Addendum 2	RFI Workplan Addendum 2	RFI Workplan Addendum 2	RFI Workplan Addendum 2	RFI Workplan Addendum 2	RFI Workplan Addendum 2	RFI Workplan Addendum 2	RFI Workplan Addendum 2	RFI Workplan Addendum 2
Station Name			VP-60	VP-80	VP-81	VP-82	VP-83	VP-84	VP-85	VP-86	VP-87	VP-88
Sample Date			01/04/21	12/29/20	12/29/20	12/29/20	12/29/20	12/29/20	12/29/20	12/29/20	12/29/20	12/29/20
Field Sample ID			MPL001: VP60: SV010421	MPL001: VP80: SV122920	MPL001: VP81: SV122920	MPL001: VP82: SV122920	MPL001: VP83: SV122920	MPL001: VP84: SV122920	MPL001: VP85: V122920	MPL001: VP86: SV122920	MPL001: VP87: SV122920	MPL001: VP88: SV122920
Analytical Method			TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15
Sample Type			Soil Gas/ Soil Vapor	Soil Gas/ Soil Vapor	Soil Gas/ Soil Vapor	Soil Gas/ Soil Vapor	Soil Gas/ Soil Vapor	Soil Gas/ Soil Vapor	Soil Gas/ Soil Vapor	Soil Gas/ Soil Vapor	Soil Gas/ Soil Vapor	Soil Gas/ Soil Vapor
Site Location			Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site
Volatile Organic Compound (VOCs)												
1,1,1-Trichloroethane	ug/m3	173,333	<2.1	<2	<1.9	<1.9	<1.9	<2.1	<2	<2	<2	<2.1
1,1,2,2-Tetrachloroethane	ug/m3	16	<1.3	<1.3	<1.2	<1.2	<1.2	<1.3	<1.3	<1.3	<1.2	<1.3
1,1,2-Trichloroethane	ug/m3	7	<1	<1	<0.95	<0.97	<0.97	<1	<1	<1	<0.98	<1.1
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	ug/m3	173,333	<2.9	<2.8	<2.7	<2.7	<2.7	<2.9	<2.9	<2.8	<2.8	<3
1,1-Dichloroethane	ug/m3	600	<1.5	<1.5	<1.4	<1.4	<1.4	<1.5	<1.5	<1.5	<1.5	<1.6
1,1-Dichloroethene	ug/m3	7,000	<1.5	<1.5	<1.4	<1.4	<1.4	<1.5	<1.5	<1.5	<1.4	<1.5
1,2,4-Trichlorobenzene	ug/m3	70	<14.1	<13.6	<12.9	<13.1	<13.1	<14.1	<13.8	<13.6	<13.3	<14.3
1,2,4-Trimethylbenzene	ug/m3	2,100	12	18.2	8	7.6	6.5	24.8	<1.8	<1.8	<1.8	<1.9
1,2-Dibromoethane	ug/m3	2	<1.5	<1.4	<1.3	<1.4	<1.4	<1.5	<1.4	<1.4	<1.4	<1.5
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon-114)	ug/m3	NS ^b	<2.7	<2.6	<2.4	<2.5	<2.5	<2.7	<2.6	<2.6	<2.5	<2.7
1,2-Dichlorobenzene	ug/m3	7,000	<2.3	<2.2	<2.1	<2.1	<2.1	<2.3	<2.2	<2.2	<2.2	<2.3
1,2-Dichloroethane	ug/m3	37	<0.77	<0.74	<0.7	<0.72	<0.72	<0.77	<0.75	<0.74	<0.73	<0.78
1,2-Dichloropropane	ug/m3	140	<1.8	<1.7	<1.6	<1.6	<1.6	<1.8	<1.7	<1.7	<1.7	<1.8
1,3,5-Trimethylbenzene	ug/m3	2,100	2.6	6	2.5	2.9	1.8	6.5	<1.8	<1.8	<1.8	<1.9
1,3-Butadiene	ug/m3	31	<0.84	<0.81	<0.77	<0.78	<0.78	<0.84	<0.82	<0.81	<0.8	<0.86
1,3-Dichlorobenzene	ug/m3	NS	<2.3	<2.2	<2.1	<2.1	<2.1	<2.3	<2.2	<2.2	<2.2	<2.3
1,4-Dichlorobenzene	ug/m3	87	<5.7	<5.5	<5.2	<5.3	<5.3	<5.7	<5.6	<5.5	<5.4	<5.8
2-Butanone	ug/m3	173,333	<5.6	<5.4	10	7.4	8.2	8.8	18.7	10.9	10.9	15.7
2-Hexanone	ug/m3	1,033	<7.8	<7.5	<7.1	<7.2	<7.2	<7.8	<7.6	<7.5	<7.4	<7.9
4-Ethyltoluene	ug/m3	NS	<4.7	6.3	<4.3	<4.4	<4.4	8.3	<4.6	<4.5	<4.4	<4.8
4-Methyl-2-pentanone	ug/m3	103,333	<7.8	<7.5	<7.1	<7.2	<7.2	<7.8	<7.6	<7.5	<7.4	<7.9
Acetone	ug/m3	1,066,667	13.2	15.3	15.1	31.5	12.5	18.4	167	133	54.6	99.1
Benzene	ug/m3	120	1.5	5.3	<0.56	2.1	0.8	1.8	0.87	1.3	<0.58	2.3
Benzyl Chloride	ug/m3	19	<4.9	<4.7	<4.5	<4.6	<4.6	<4.9	<4.8	<4.7	<4.7	<5
Bromodichloromethane	ug/m3	25	<2.5	<2.4	<2.3	<2.4	<2.4	<2.5	<2.5	<2.4	<2.4	<2.6
Bromoform	ug/m3	867	<9.8	<9.4	<9	<9.1	<9.1	<9.8	<9.6	<9.4	<9.3	<10
Carbon Disulfide	ug/m3	24,333	<1.2	76.6	7.3	6.4	3.1	29.5	1.4	<1.1	<1.1	2.8
Carbon Tetrachloride	ug/m3	157	<2.4	<2.3	<2.2	<2.2	<2.2	<2.4	<2.3	<2.3	<2.3	<2.4
Chlorobenzene	ug/m3	1,733	<1.8	<1.7	<1.6	<1.6	<1.6	<1.8	<1.7	<1.7	<1.7	<1.8
Chloroethane	ug/m3	333,333	<1	<0.96	<0.92	<0.93	<0.93	<1	<0.98	<0.96	<0.95	<1
Chloroform	ug/m3	40	<0.93	0.93	1.4	2.2	18.2	<0.93	<0.91	10	<0.88	<0.94
cis-1,2-Dichloroethene	ug/m3	NS	<1.5	<1.5	<1.4	<1.4	<1.4	<1.5	<1.5	<1.5	<1.4	<1.5
cis-1,3-Dichloropropene	ug/m3	NS	<1.7	<1.7	<1.6	<1.6	<1.6	<1.7	<1.7	<1.7	<1.6	<1.8
Cyclohexane	ug/m3	210,000	<3.3	25.8	<3	13.8	<3	<3.3	<3.2	<3.2	<3.1	<3.3

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SUMMARY OF SOIL GAS/SOIL VAPOR ANALYTICAL DATA COLLECTED WITHIN ANTICIPATED RESIDENTIAL LAND USE AREAS

Sampling Quarter	Reporting Units	Vapor Intrusion Screening Levels for Residential Land Use ^a	RFI Workplan Addendum 2	RFI Workplan Addendum 2	RFI Workplan Addendum 2	RFI Workplan Addendum 2	RFI Workplan Addendum 2	RFI Workplan Addendum 2	RFI Workplan Addendum 2	RFI Workplan Addendum 2	RFI Workplan Addendum 2	RFI Workplan Addendum 2
Station Name			VP-60	VP-80	VP-81	VP-82	VP-83	VP-84	VP-85	VP-86	VP-87	VP-88
Sample Date			01/04/21	12/29/20	12/29/20	12/29/20	12/29/20	12/29/20	12/29/20	12/29/20	12/29/20	12/29/20
Field Sample ID			MPL001: VP60: SV010421	MPL001: VP80: SV122920	MPL001: VP81: SV122920	MPL001: VP82: SV122920	MPL001: VP83: SV122920	MPL001: VP84: SV122920	MPL001: VP85: V122920	MPL001: VP86: SV122920	MPL001: VP87: SV122920	MPL001: VP88: SV122920
Analytical Method			TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15	TO-15
Sample Type			Soil Gas/ Soil Vapor	Soil Gas/ Soil Vapor	Soil Gas/ Soil Vapor	Soil Gas/ Soil Vapor	Soil Gas/ Soil Vapor	Soil Gas/ Soil Vapor	Soil Gas/ Soil Vapor	Soil Gas/ Soil Vapor	Soil Gas/ Soil Vapor	Soil Gas/ Soil Vapor
Site Location			Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site
Dibromochloromethane (chlorodibromomethane)	ug/m3	NS	<3.2	<3.1	<3	<3	<3	<3.2	<3.2	<3.1	<3.1	<3.3
Dichlorodifluoromethane (Freon-12)	ug/m3	3,333	89.6	2	<1.7	<1.8	2.1	<1.9	2.2	<1.8	2.3	2
Ethanol	ug/m3	NS	11.3	13.5	18.2	31.9	12.9	9.6	171	116	65.8	120
Ethyl Acetate	ug/m3	2,433	<1.4	<1.3	<1.3	<1.3	<1.3	<1.4	<1.3	<1.3	<1.3	<1.4
Ethylbenzene	ug/m3	367	2.7	8.8	2.9	3.6	1.6	7.4	<1.6	<1.6	<1.6	<1.7
Hexachloro-1,3-butadiene	ug/m3	43	<10.1	<9.8	<9.3	<9.4	<9.4	<10.1	<9.9	<9.8	<9.6	<10.3
Hexane	ug/m3	24,333	<1.3	11.6	2	9	<1.2	4.4	<1.3	<1.3	<1.3	<1.4
Isopropyl Alcohol	ug/m3	7,000	<4.7	<4.5	4.8	7.9	4.7	<4.7	14.1	12.2	5	12.7
m,p-Xylenes	ug/m3	3,333	13.7	37	14.2	13.2	7.7	35.4	<3.2	<3.2	<3.1	<3.4
Methyl Bromide	ug/m3	173	<1.5	<1.4	<1.3	<1.4	<1.4	<1.5	<1.4	<1.4	<1.4	<1.5
Methyl Chloride	ug/m3	3,133	<0.79	<0.76	<0.72	6	<0.73	<0.79	1.2	<0.76	<0.74	<0.8
Methylene Chloride	ug/m3	21,000	<6.6	<6.4	<6	<6.1	<6.1	<6.6	<6.5	<6.4	<6.2	<6.7
Methyl-tert-butyl-ether	ug/m3	3,667	<6.8	<6.6	<6.3	<6.4	<6.4	<6.8	<6.7	<6.6	<6.5	<7
Naphthalene	ug/m3	28	<5	<4.8	<4.5	<4.6	<4.6	<5	<4.9	<4.8	<4.7	<5.1
Heptane	ug/m3	14,000	<1.6	13.6	<1.4	7	<1.4	5.2	1.6	1.5	<1.5	1.6
o-Xylene	ug/m3	3,333	5.1	12.2	4.7	6.2	2.8	11.7	<1.6	<1.6	<1.6	<1.7
Propene	ug/m3	103,333	<0.65	<0.63	<0.6	<0.61	<0.61	<0.65	<0.64	<0.63	<0.62	<0.66
Styrene	ug/m3	33,333	<1.6	<1.6	<1.5	<1.5	<1.5	<1.6	<1.6	<1.6	<1.5	<1.6
Tetrachloroethene	ug/m3	1,400	7.1	106	14.9	10.3	286	36.2	99.4	561	302	35.1
Tetrahydrofuran	ug/m3	70,000	13.5	<1.1	9.7	<1	3.7	<1.1	5.3	2.5	2.1	4.8
Toluene	ug/m3	173,333	6.1	216	322	280	264	61.3	2.4	5.4	<1.4	4.5
trans-1,2-Dichloroethene	ug/m3	NS	<1.5	<1.5	<1.4	<1.4	<1.4	<1.5	<1.5	<1.5	<1.4	<1.5
trans-1,3-Dichloropropene	ug/m3	NS	<1.7	<1.7	<1.6	<1.6	<1.6	<1.7	<1.7	<1.7	<1.6	<1.8
Trichloroethene	ug/m3	70	<1	1.9	2.1	<0.95	3.5	1.8	<1	167	2.4	<1
Trichlorofluoromethane (Freon-11)	ug/m3	NS	<2.1	<2.1	<1.9	<2	<2	68	<2.1	<2.1	<2	<2.2
Vinyl Acetate	ug/m3	7,000	<1.3	<1.3	<1.2	<1.2	<1.2	<1.3	<1.3	<1.3	<1.3	<1.4
Vinyl Chloride	ug/m3	57	<0.49	<0.47	<0.44	<0.45	<0.45	<0.49	<0.48	<0.47	<0.46	<0.49
QAQC												
Helium	%	NS	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6

- Notes:
- a. Vapor intrusion screening level for residential land use developed utilizing U.S. EPA's Vapor Intrusion Screening Level (VISL) calculator based upon U.S. EPA Regional Screening Levels for Residential Air (November 2019) where the target hazard index is equivalent to 1 and a target excess lifetime cancer risk is equivalent to 1x10⁻⁵.
- b. NS - a screening level is not available for this parameter

- Additional Notes:
1. The less than symbol (<) indicates that the result was below the laboratory detection limit.
2. Indicates analyte concentration exceeds its respective screening level presented herein.

MAPLE STREET COMMERCE LLC
101 E. MAPLE STREET, NORTH CANTON, OHIO

TABLE 2

SUMMARY OF INDOOR AIR ANALYTICAL DATA COLLECTED WITHIN ANTICIPATED RESIDENTIAL LAND USE AREAS

Sampling Quarter	Reporting Units	Indoor Air Screening Levels for Residential Land Usa	RFI Workplan Addendum 2	RFI Workplan Addendum 2	RFI Workplan Addendum 2	RFI Workplan Addendum 2	RFI Workplan Addendum 2
Sampling Location			AI-60	AI-85	AI-86	AI-87	AI-88
Sample Date			01/04/21	12/29/20	12/29/20	12/29/20	12/29/20
Field Sample ID			MPL001: AI60: AI010421	MPL001: AI85: AI122920	MPL001: AI86: AI122920	MPL001: AI87: AI122920	MPL001: AI88: AI122920
Analytical Method			TO-15	TO-15	TO-15	TO-15	TO-15
Sample Type			Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air
Site Location			Off-Site	Off-Site	Off-Site	Off-Site	Off-Site
Volatile Organic Compounds (VOCs)							
1,1,1-Trichloroethane	ug/m3	5,200	<1.7	<1.7	<1.9	<1.7	<1.7
1,1,2,2-Tetrachloroethane	ug/m3	0.48	<1.1	<1.1	<1.2	<1.1	<1.1
1,1,2-Trichlorethane	ug/m3	0.21	<0.86	<0.86	<0.93	<0.86	<0.86
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	ug/m3	5,200	<2.4	<2.4	<2.6	<2.4	<2.4
1,1-Dichloroethane	ug/m3	18	<1.3	<1.3	<1.4	<1.3	<1.3
1,1-Dichloroethene	ug/m3	210	<1.2	<1.2	<1.4	<1.2	<1.2
1,2,4-Trichlorobenzene	ug/m3	2.1	<11.7	<11.7	<12.7	<11.7	<11.7
1,2,4-Trimethylbenzene	ug/m3	63	<1.5	<1.5	<1.7	<1.5	<1.5
1,2-Dibromoethane	ug/m3	0.047	<1.2	<1.2	<1.3	<1.2	<1.2
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon-114)	ug/m3	NS ^b	<2.2	<2.2	<2.4	<2.2	<2.2
1,2-Dichlorobenzene	ug/m3	210	<1.9	<1.9	<2	<1.9	<1.9
1,2-Dichloroethane	ug/m3	1.1	<0.64	<0.64	<0.69	<0.64	<0.64
1,2-Dichloropropane	ug/m3	4.2	<1.5	<1.5	<1.6	<1.5	<1.5
1,3,5-Trimethylbenzene	ug/m3	63	<1.5	<1.5	<1.7	<1.5	<1.5
1,3-Butadiene	ug/m3	0.94	<0.7	<0.7	<0.76	<0.7	<0.7
1,3-Dichlorobenzene	ug/m3	NS	<1.9	<1.9	<2	<1.9	<1.9
1,4-Dichlorobenzene	ug/m3	2.6	<4.7	<4.7	<5.1	<4.7	<4.7
2-Butanone	ug/m3	5,200	<4.6	<4.6	<5	6.9	<4.6
2-Hexanone	ug/m3	31	<6.4	<6.4	<7	<6.4	<6.4
4-Ethyltoluene	ug/m3	NS	<3.9	<3.9	<4.2	<3.9	<3.9
4-Methyl-2-pentanone	ug/m3	3,100	<6.4	<6.4	<7	<6.4	<6.4
Acetone	ug/m3	32,000	18.7	<9.4	15.4	19.5	<9.4
Benzene	ug/m3	3.6	2.1	1.1	0.63	0.59	0.64
Benzyl Chloride	ug/m3	0.57	<4.1	<4.1	<4.4	<4.1	<4.1
Bromodichloromethane	ug/m3	0.76	<2.1	<2.1	<2.3	<2.1	<2.1

MAPLE STREET COMMERCE LLC
101 E. MAPLE STREET, NORTH CANTON, OHIO

TABLE 2

SUMMARY OF INDOOR AIR ANALYTICAL DATA COLLECTED WITHIN ANTICIPATED RESIDENTIAL LAND USE AREAS

Sampling Quarter	Reporting Units	Indoor Air Screening Levels for Residential Land Use	RFI Workplan Addendum 2	RFI Workplan Addendum 2	RFI Workplan Addendum 2	RFI Workplan Addendum 2	RFI Workplan Addendum 2
Sampling Location			AI-60	AI-85	AI-86	AI-87	AI-88
Sample Date			01/04/21	12/29/20	12/29/20	12/29/20	12/29/20
Field Sample ID			MPL001: AI60: AI010421	MPL001: AI85: AI122920	MPL001: AI86: AI122920	MPL001: AI87: AI122920	MPL001: AI88: AI122920
Analytical Method			TO-15	TO-15	TO-15	TO-15	TO-15
Sample Type			Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air
Site Location			Off-Site	Off-Site	Off-Site	Off-Site	Off-Site
Bromoform	ug/m3	26	<8.1	<8.1	<8.8	<8.1	<8.1
Carbon Disulfide	ug/m3	730	<0.98	<0.98	<1.1	<0.98	<0.98
Carbon Tetrachloride	ug/m3	4.7	<2	<2	<2.2	<2	<2
Chlorobenzene	ug/m3	52	<1.5	<1.5	<1.6	<1.5	<1.5
Chloroethane	ug/m3	10,000	<0.83	<0.83	<0.9	<0.83	<0.83
Chloroform	ug/m3	1.2	<0.77	<0.77	<0.83	<0.77	<0.77
cis-1,2-Dichloroethene	ug/m3	NS	<1.2	<1.2	<1.4	<1.2	<1.2
cis-1,3-Dichloropropene	ug/m3	NS	<1.4	<1.4	<1.6	<1.4	<1.4
Cyclohexane	ug/m3	6,300	<2.7	<2.7	<2.9	<2.7	<2.7
Dibromochloromethane (chlorodibromomethane)	ug/m3	NS	<2.7	<2.7	<2.9	<2.7	<2.7
Dichlorodifluoromethane (Freon-12)	ug/m3	100	2.9	2.2	2.3	2.1	2.2
Ethanol	ug/m3	NS	983	146	25.8	29.2	45.4
Ethyl Acetate	ug/m3	73	<1.1	<1.1	<1.2	<1.1	<1.1
Ethylbenzene	ug/m3	11	<1.4	<1.4	<1.5	<1.4	<1.4
Hexachloro-1,3-butadiene	ug/m3	1.3	<8.4	<8.4	<9.1	<8.4	<8.4
Hexane	ug/m3	730	3.4	<1.1	<1.2	<1.1	<1.1
Isopropyl Alcohol	ug/m3	210	43.6	7.6	<4.2	13.4	17.7
m,p-Xylenes	ug/m3	100	<2.7	<2.7	<3	<2.7	<2.7
Methyl Bromide	ug/m3	5.2	<1.2	<1.2	<1.3	<1.2	<1.2
Methyl Chloride	ug/m3	94	<0.65	1	2	0.87	0.7
Methylene Chloride	ug/m3	630	<5.5	<5.5	<5.9	<5.5	<5.5
Methyl-tert-butyl-ether	ug/m3	110	<5.7	<5.7	<6.1	<5.7	<5.7
Naphthalene	ug/m3	0.83	<4.1	<4.1	<4.5	<4.1	<4.1
n-Heptane	ug/m3	NS	<1.3	<1.3	<1.4	<1.3	<1.3

MAPLE STREET COMMERCE LLC
101 E. MAPLE STREET, NORTH CANTON, OHIO

TABLE 2

SUMMARY OF INDOOR AIR ANALYTICAL DATA COLLECTED WITHIN ANTICIPATED RESIDENTIAL LAND USE AREAS

Sampling Quarter	Reporting Units	Indoor Air Screening Levels for Residential Land Use	RFI Workplan Addendum 2	RFI Workplan Addendum 2	RFI Workplan Addendum 2	RFI Workplan Addendum 2	RFI Workplan Addendum 2
Sampling Location			AI-60	AI-85	AI-86	AI-87	AI-88
Sample Date			01/04/21	12/29/20	12/29/20	12/29/20	12/29/20
Field Sample ID			MPL001: AI60: AI010421	MPL001: AI85: AI122920	MPL001: AI86: AI122920	MPL001: AI87: AI122920	MPL001: AI88: AI122920
Analytical Method			TO-15	TO-15	TO-15	TO-15	TO-15
Sample Type			Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air
Site Location			Off-Site	Off-Site	Off-Site	Off-Site	Off-Site
o-Xylene	ug/m3	100	<1.4	<1.4	<1.5	<1.4	<1.4
Propene	ug/m3	3,100	<0.54	<0.54	<0.59	<0.54	<0.54
Styrene	ug/m3	1,000	<1.3	<1.3	<1.5	<1.3	<1.3
Tetrachloroethene	ug/m3	42	<1.1	<1.1	<1.2	<1.1	<1.1
Tetrahydrofuran	ug/m3	2,100	<0.93	<0.93	<1	<0.93	<0.93
Toluene	ug/m3	5,200	5.1	<1.2	<1.3	<1.2	<1.2
trans-1,2-Dichloroethene	ug/m3	NS	<1.2	<1.2	5	<1.2	<1.2
trans-1,3-Dichloropropene	ug/m3	NS	<1.4	<1.4	<1.6	<1.4	<1.4
Trichloroethene	ug/m3	2.1	<0.85	<0.85	<0.92	<0.85	<0.85
Trichlorofluoromethane (Freon-11)	ug/m3	NS	<1.8	<1.8	<1.9	4.1	<1.8
Vinyl Acetate	ug/m3	210	<1.1	<1.1	<1.2	<1.1	<1.1
Vinyl Chloride	ug/m3	1.7	<0.4	<0.4	<0.44	<0.4	<0.4

Notes:

- a. U.S. EPA Regional Screening Levels for Residential Air (November 2019) based up on a target hazard index equivalent to 1 and a target excess lifetime cancer risk equivalent to 1 x 10⁻⁵.
- b. NS - a screening level is not available for this parameter

Additional Notes:

- 1. The less than symbol (<) indicates that the result was below the laboratory detection limit.

MAPLE STREET COMMERCE LLC
101 E. MAPLE STREET, NORTH CANTON, OHIO

TABLE 3

SUMMARY OF AMBIENT AIR ANALYTICAL DATA COLLECTED WITHIN ANTICIPATED RESIDENTIAL LAND USE AREAS

Sampling Quarter	Units	Indoor Air Screening Levels for Residential Land Use ^{a,b}	RFI Workplan Addendum 2	RFI Workplan Addendum 2
Station Location			AA-81	AA-84
Sample Date			12/29/20	12/29/20
Field Sample ID			MPL001: AA81: AA122920	MPL001: AA84: AA122920
Analytical Method			TO-15	TO-15
Sample Type			Ambient Air	Ambient Air
Site Location			Off-Site	Off-Site
Volatile Organic Compounds (VOCs)				
1,1,1-Trichloroethane	ug/m3	5,200	<1.6	<1.8
1,1,2,2-Tetrachloroethane	ug/m3	0.48	<1	<1.1
1,1,2-Trichloroethane	ug/m3	0.21	<0.8	<0.91
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	ug/m3	5,200	<2.2	<2.6
1,1-Dichloroethane	ug/m3	18	<1.2	<1.3
1,1-Dichloroethene	ug/m3	210	<1.2	<1.3
1,2,4-Trichlorobenzene	ug/m3	2.1	<10.9	<12.4
1,2,4-Trimethylbenzene	ug/m3	63	<1.4	<1.6
1,2-Dibromoethane	ug/m3	0.047	<1.1	<1.3
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon-114)	ug/m3	NS ^c	<2	<2.3
1,2-Dichlorobenzene	ug/m3	210	<1.8	<2
1,2-Dichloroethane	ug/m3	1.1	<0.59	<0.67
1,2-Dichloropropane	ug/m3	4.2	<1.4	<1.5
1,3,5-Trimethylbenzene	ug/m3	63	<1.4	<1.6
1,3-Butadiene	ug/m3	0.94	<0.65	<0.74
1,3-Dichlorobenzene	ug/m3	NS	<1.8	<2
1,4-Dichlorobenzene	ug/m3	2.6	<4.4	<5
2-Butanone	ug/m3	5,200	<4.3	<4.9
2-Hexanone	ug/m3	31	<6	<6.8
4-Ethyltoluene	ug/m3	NS	<3.6	<4.1
4-Methyl-2-pentanone	ug/m3	3,100	<6	<6.8
Acetone	ug/m3	32,000	<8.7	<9.9
Benzene	ug/m3	3.6	0.61	0.65
Benzyl Chloride	ug/m3	0.57	<3.8	<4.3
Bromodichloromethane	ug/m3	0.76	<2	<2.2
Bromoform	ug/m3	26	<7.6	<8.6
Carbon Disulfide	ug/m3	730	<0.91	<1
Carbon Tetrachloride	ug/m3	4.7	<1.8	<2.1

MAPLE STREET COMMERCE LLC
101 E. MAPLE STREET, NORTH CANTON, OHIO

TABLE 3

SUMMARY OF AMBIENT AIR ANALYTICAL DATA COLLECTED WITHIN ANTICIPATED RESIDENTIAL LAND USE AREAS

Sampling Quarter	Units	Indoor Air Screening Levels for Residential Land Use ^{a,b}	RFI Workplan Addendum 2	RFI Workplan Addendum 2
Station Location			AA-81	AA-84
Sample Date			12/29/20	12/29/20
Field Sample ID			MPL001: AA81: AA122920	MPL001: AA84: AA122920
Analytical Method			TO-15	TO-15
Sample Type			Ambient Air	Ambient Air
Site Location			Off-Site	Off-Site
Chlorobenzene	ug/m3	52	<1.3	<1.5
Chloroethane	ug/m3	10,000	<0.77	<0.88
Chloroform	ug/m3	1.2	<0.71	<0.81
cis-1,2-Dichloroethene	ug/m3	NS	<1.2	<1.3
cis-1,3-Dichloropropene	ug/m3	NS	<1.3	<1.5
Cyclohexane	ug/m3	6,300	<2.5	<2.9
Dibromochloromethane (chlorodibromomethane)	ug/m3	NS	<2.5	<2.8
Dichlorodifluoromethane (Freon-12)	ug/m3	100	2.1	2.2
Ethanol	ug/m3	NS	14.2	12.6
Ethyl Acetate	ug/m3	73	<1.1	<1.2
Ethylbenzene	ug/m3	11	<1.3	<1.4
Hexachloro-1,3-butadiene	ug/m3	1.3	<7.8	<8.9
Hexane	ug/m3	730	<1	<1.2
Isopropyl Alcohol	ug/m3	210	<3.6	<4.1
m,p-Xylenes	ug/m3	100	<2.5	<2.9
Methyl Bromide	ug/m3	5.2	<1.1	<1.3
Methyl Chloride	ug/m3	94	0.76	1.5
Methylene Chloride	ug/m3	630	<5.1	<5.8
Methyl-tert-butyl-ether	ug/m3	110	<5.3	<6
Naphthalene	ug/m3	0.83	<3.8	<4.4
n-Heptane	ug/m3	NS	<1.2	<1.4
o-Xylene	ug/m3	100	<1.3	<1.4
Propene	ug/m3	3,100	<0.5	<0.57
Styrene	ug/m3	1,000	<1.2	<1.4
Tetrachloroethene	ug/m3	42	<0.99	<1.1
Tetrahydrofuran	ug/m3	2,100	<0.86	<0.98
Toluene	ug/m3	5,200	1.7	<1.3
trans-1,2-Dichloroethene	ug/m3	NS	<1.2	<1.3
trans-1,3-Dichloropropene	ug/m3	NS	<1.3	<1.5

**MAPLE STREET COMMERCE LLC
101 E. MAPLE STREET, NORTH CANTON, OHIO**

TABLE 3

**SUMMARY OF AMBIENT AIR ANALYTICAL DATA COLLECTED WITHIN ANTICIPATED RESIDENTIAL LAND USE
AREAS**

Sampling Quarter	Units	Indoor Air Screening Levels for Residential Land Use ^{a,b}	RFI Workplan Addendum 2	RFI Workplan Addendum 2
Station Location			AA-81	AA-84
Sample Date			12/29/20	12/29/20
Field Sample ID			MPL001: AA81: AA122920	MPL001: AA84: AA122920
Analytical Method			TO-15	TO-15
Sample Type			Ambient Air	Ambient Air
Site Location			Off-Site	Off-Site
Trichloroethene	ug/m3	2.1	<0.79	<0.9
Trichlorofluoromethane (Freon-11)	ug/m3	NS	<1.6	<1.9
Vinyl Acetate	ug/m3	210	<1	<1.2
Vinyl Chloride	ug/m3	1.7	<0.37	<0.43

Notes:

- a. The residential air RSL for each contaminant represents an acceptable air concentration based on long-term inhalation exposures in the residential scenario (i.e., 24 h/d, 350 d/y and 26 y). Ambient (outdoor) air concentrations are highly variable, and are influenced by meteorological factors such as wind speed and wind direction, and upwind and regional stationary and mobile sources such as emissions stacks, chimneys and vehicular traffic. Thus, ambient (outdoor) air concentrations detected in one or more 24-h samples may not be representative of long-term conditions, and comparisons to the residential air RSL for purposes of risk assessment and/or corrective action decision making are highly uncertain.
- b. U.S. EPA Regional Screening Levels for Residential Air (November 2019) based up on a target hazard index equivalent to 1 and a target excess lifetime cancer risk equivalent to 1 x 10⁻⁵.
- c. NS - a screening level is not available for this parameter

Additional Notes:

1. The less than symbol (<) indicates that the result was below the laboratory detection limit.

MAPLE STREET COMMERCE LLC
101 E. MAPLE STREET, NORTH CANTON, OHIO

TABLE 4

SUMMARY OF SEWER GAS ANALYTICAL RESULTS

Sampling Quarter	Reporting Units	Vapor Intrusion Screening Levels for Residential Land Use ^a	RFI Workplan Addendum 2	RFI Workplan Addendum 2	RFI Workplan Addendum 2	RFI Workplan Addendum 2	RFI Workplan Addendum 2
Station Name			HSS-18	HSS-20	HSW-18A	HSW-19A	HSW-20A
Sample Date			01/05/21	01/05/21	01/06/21	01/04/21	01/04/21
Field Sample ID			MPL001: HSS-18: AA010521	MPL001: HSS-20: AA010521	MPL001: HSW-18A: AA010621	MPL001: HSW-19A: AA010421	MPL001: HSW-20A: AA010421
Analytical Method			TO-15	TO-15	TO-15	TO-15	TO-15
Sample Type			Sanitary Sewer Air	Sanitary Sewer Air	Stormwater Sewer Air	Stormwater Sewer Air	Stormwater Sewer Air
Site Location			Off-Site	Off-Site	Off-Site	Off-Site	Off-Site
Volatile Organic Compounds (VOCs)							
1,1,1-Trichloroethane	ug/m3	173,333	<1.8	<1.9	<1.7	<1.8	3.4
1,1,2,2-Tetrachloroethane	ug/m3	16	<1.1	<1.2	<1	<1.1	<1.1
1,1,2-Trichloroethane	ug/m3	7	<0.89	<0.93	<0.83	<0.88	<0.89
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	ug/m3	173,333	<2.5	<2.6	<2.3	<2.5	<2.5
1,1-Dichloroethane	ug/m3	600	<1.3	<1.4	<1.2	<1.3	4.6
1,1-Dichloroethene	ug/m3	7,000	<1.3	<1.4	<1.2	<1.3	3.5
1,2,4-Trichlorobenzene	ug/m3	70	<12.1	<12.7	<11.2	<11.9	<12.1
1,2,4-Trimethylbenzene	ug/m3	2,100	<1.6	<1.7	4.9	<1.6	<1.6
1,2-Dibromoethane	ug/m3	2	<1.3	<1.3	<1.2	<1.2	<1.3
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon-114)	ug/m3	NS ^b	<2.3	<2.4	<2.1	<2.2	<2.3
1,2-Dichlorobenzene	ug/m3	7,000	<2	<2	<1.8	<1.9	<2
1,2-Dichloroethane	ug/m3	37	<0.66	<0.69	<0.61	<0.65	<0.66
1,2-Dichloropropane	ug/m3	140	<1.5	<1.6	<1.4	<1.5	<1.5
1,3,5-Trimethylbenzene	ug/m3	2,100	<1.6	<1.7	1.5	<1.6	<1.6
1,3-Butadiene	ug/m3	31	<0.72	<0.76	<0.67	<0.71	<0.72
1,3-Dichlorobenzene	ug/m3	NS ^b	<2	<2	<1.8	<1.9	<2
1,4-Dichlorobenzene	ug/m3	87	<4.9	<5.1	<4.6	<4.8	<4.9
2-Butanone	ug/m3	173,333	<4.8	<5	<4.5	<4.7	<4.8
2-Hexanone	ug/m3	1,033	<6.7	<7	<6.2	<6.6	<6.7
4-Ethyltoluene	ug/m3	NS	<4	<4.2	<3.7	<4	<4
4-Methyl-2-pentanone	ug/m3	103,333	<6.7	<7	<6.2	<6.6	<6.7
Acetone	ug/m3	1,066,667	<9.7	<10.1	10.1	<9.5	<9.7
Benzene	ug/m3	120	<0.52	<0.55	2.3	0.84	<0.52
Benzyl Chloride	ug/m3	19	<4.2	<4.4	<3.9	<4.2	<4.2
Bromodichloromethane	ug/m3	25	<2.2	<2.3	<2	<2.1	5.1
Bromoform	ug/m3	867	<8.5	<8.8	<7.8	<8.3	<8.5
Carbon Disulfide	ug/m3	24,333	<1	<1.1	<0.94	<1	<1

**MAPLE STREET COMMERCE LLC
101 E. MAPLE STREET, NORTH CANTON, OHIO**

TABLE 4

SUMMARY OF SEWER GAS ANALYTICAL RESULTS

Sampling Quarter	Reporting Units	Vapor Intrusion Screening Levels for Residential Land Use ^a	RFI Workplan Addendum 2	RFI Workplan Addendum 2	RFI Workplan Addendum 2	RFI Workplan Addendum 2	RFI Workplan Addendum 2
Station Name			HSS-18	HSS-20	HSW-18A	HSW-19A	HSW-20A
Sample Date			01/05/21	01/05/21	01/06/21	01/04/21	01/04/21
Field Sample ID			MPL001: HSS-18: AA010521	MPL001: HSS-20: AA010521	MPL001: HSW-18A: AA010621	MPL001: HSW-19A: AA010421	MPL001: HSW-20A: AA010421
Analytical Method			TO-15	TO-15	TO-15	TO-15	TO-15
Sample Type			Sanitary Sewer Air	Sanitary Sewer Air	Stormwater Sewer Air	Stormwater Sewer Air	Stormwater Sewer Air
Site Location			Off-Site	Off-Site	Off-Site	Off-Site	Off-Site
Carbon Tetrachloride	ug/m3	157	<2.1	<2.2	<1.9	<2	<2.1
Chlorobenzene	ug/m3	1,733	<1.5	<1.6	<1.4	<1.5	<1.5
Chloroethane	ug/m3	333,333	<0.86	<0.9	<0.8	<0.85	<0.86
Chloroform	ug/m3	40	<0.8	3.3	<0.74	<0.78	7.5
cis-1,2-Dichloroethene	ug/m3	NS	<1.3	19.7	5	2.9	631
cis-1,3-Dichloropropene	ug/m3	NS	<1.5	<1.6	<1.4	<1.5	<1.5
Cyclohexane	ug/m3	210,000	<2.8	<2.9	<2.6	<2.8	<2.8
Dibromochloromethane (chlorodibromomethane)	ug/m3	NS	<2.8	<2.9	<2.6	<2.7	6.6
Dichlorodifluoromethane (Freon-12)	ug/m3	3,333	2.8	2.7	<1.5	2.6	2.7
Ethanol	ug/m3	NS	5.7	10.2	12.7	8.6	12.6
Ethyl Acetate	ug/m3	2,433	<1.2	<1.2	<1.1	<1.2	<1.2
Ethylbenzene	ug/m3	367	<1.4	<1.5	1.9	<1.4	<1.4
Hexachloro-1,3-butadiene	ug/m3	43	<8.7	<9.1	<8.1	<8.6	<8.7
Hexane	ug/m3	24,333	<1.2	<1.2	<1.1	<1.1	<1.2
Isopropyl Alcohol	ug/m3	7,000	<4	<4.2	5	<4	<4
m,p-Xylenes	ug/m3	3,333	<2.8	<3	9.8	<2.8	3.4
Methyl Bromide	ug/m3	173	<1.3	<1.3	<1.2	<1.2	<1.3
Methyl Chloride	ug/m3	3,133	<0.68	<0.71	<0.63	<0.66	1.7
Methylene Chloride	ug/m3	21,000	<5.7	<5.9	<5.3	<5.6	<5.7
Methyl-tert-butyl-ether	ug/m3	3,667	<5.9	<6.1	<5.5	<5.8	<5.9
Naphthalene	ug/m3	28	<4.3	<4.5	<4	<4.2	<4.3
Heptane	ug/m3	14,000	<1.3	<1.4	1.5	<1.3	1.4
o-Xylene	ug/m3	3,333	<1.4	<1.5	3.6	<1.4	<1.4
Propene	ug/m3	103,333	<0.56	<0.59	<0.52	<0.55	<0.56
Styrene	ug/m3	33,333	<1.4	<1.5	<1.3	<1.4	<1.4
Tetrachloroethene	ug/m3	1,400	<1.1	4.9	2.2	1.9	193
Tetrahydrofuran	ug/m3	70,000	<0.97	<1	9.8	<0.95	<0.97
Toluene	ug/m3	173,333	<1.2	<1.3	6.9	1.3	3.7

MAPLE STREET COMMERCE LLC
101 E. MAPLE STREET, NORTH CANTON, OHIO

TABLE 4

SUMMARY OF SEWER GAS ANALYTICAL RESULTS

Sampling Quarter	Reporting Units	Vapor Intrusion Screening Levels for Residential Land Use ^a	RFI Workplan Addendum 2	RFI Workplan Addendum 2	RFI Workplan Addendum 2	RFI Workplan Addendum 2	RFI Workplan Addendum 2
Station Name			HSS-18	HSS-20	HSW-18A	HSW-19A	HSW-20A
Sample Date			01/05/21	01/05/21	01/06/21	01/04/21	01/04/21
Field Sample ID			MPL001: HSS-18: AA010521	MPL001: HSS-20: AA010521	MPL001: HSW-18A: AA010621	MPL001: HSW-19A: AA010421	MPL001: HSW-20A: AA010421
Analytical Method			TO-15	TO-15	TO-15	TO-15	TO-15
Sample Type			Sanitary Sewer Air	Sanitary Sewer Air	Stormwater Sewer Air	Stormwater Sewer Air	Stormwater Sewer Air
Site Location			Off-Site	Off-Site	Off-Site	Off-Site	Off-Site
trans-1,2-Dichloroethene	ug/m3	NS	<1.3	<1.4	<1.2	<1.3	7.4
trans-1,3-Dichloropropene	ug/m3	NS	<1.5	<1.6	<1.4	<1.5	<1.5
Trichloroethene	ug/m3	70	<0.88	22.4	2.1	1.5	289
Trichlorofluoromethane (Freon-11)	ug/m3	NS	<1.8	2.4	<1.7	<1.8	<1.8
Vinyl Acetate	ug/m3	7,000	<1.2	<1.2	<1.1	<1.1	<1.2
Vinyl Chloride	ug/m3	57	<0.42	<0.44	<0.39	<0.41	26.9

Notes:

- a. Vapor intrusion screening level for residential land use developed utilizing U.S. EPA's Vapor Intrusion Screening Level (VISL) calculator based upon U.S. EPA Regional Screening Levels for Residential Air (November 2019) where the target hazard index is equivalent to 1, the target excess lifetime cancer risk is equivalent to 1×10^{-5} and an attenuation factor of 0.03.
- b. NS - a screening level is not available for this parameter

Additional Notes:

1. The less than symbol (<) indicates that the result was below the laboratory detection limit.
2. Indicates analyte concentration exceeds its respective screening level presented herein.
3. Pursuant to the *Submittal of the RCRA Facility Investigation (RFI) Work Plan Addendum Number 1 Revision, Former Hoover Facility* dated November 5, 2019 coupled with the absence of screening levels specific to migration of sewer gas to indoor air, sewer gas analytical results collected from the sewer main were compared to the US EPA VISL screening levels presented herein. Specifically, an attenuation factor directly related to the migration of sewer gas to indoor air is not available at this time. Therefore, the comparison of sewer gas concentrations to a soil gas screening level is a preliminary evaluation tool; these comparisons are not predictive of potential indoor air exposures, nor the hazards or risk associated with them.

January 18, 2021

Lindsay Crow
Hull & Associates
4 Hemisphere Way
Bedford, OH 44146

RE: Project: MPL001 27 FLD
Pace Project No.: 10544534

Dear Lindsay Crow:

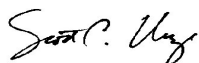
Enclosed are the analytical results for sample(s) received by the laboratory on January 11, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Minneapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Scott Unze for
Carolynne Trout
carolynne.trout@pacelabs.com
1(612)607-6351
Project Manager

Enclosures

cc: Data Admin, Hull & Associates, Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MPL001 27 FLD

Pace Project No.: 10544534

Pace Analytical Services - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414

1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab

A2LA Certification #: 2926.01*

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: 17-009*

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014*

Arkansas DW Certification #: MN00064

Arkansas WW Certification #: 88-0680

California Certification #: 2929

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

EPA Region 8+Wyoming DW Certification #: via MN 027-053-137

Florida Certification #: E87605*

Georgia Certification #: 959

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: AI-03086*

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064*

Maryland Certification #: 322

Massachusetts DWP Certification #: via MN 027-053-137

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137*

Minnesota Dept of Ag Certification #: via MN 027-053-137

Minnesota Petrofund Certification #: 1240*

Mississippi Certification #: MN00064

Missouri Certification #: 10100

Montana Certification #: CERT0092

Nebraska Certification #: NE-OS-18-06

Nevada Certification #: MN00064

New Hampshire Certification #: 2081*

New Jersey Certification #: MN002

New York Certification #: 11647*

North Carolina DW Certification #: 27700

North Carolina WW Certification #: 530

North Dakota Certification #: R-036

Ohio DW Certification #: 41244

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507*

Oregon Primary Certification #: MN300001

Oregon Secondary Certification #: MN200001*

Pennsylvania Certification #: 68-00563*

Puerto Rico Certification #: MN00064

South Carolina Certification #: 74003001

Tennessee Certification #: TN02818

Texas Certification #: T104704192*

Utah Certification #: MN00064*

Vermont Certification #: VT-027053137

Virginia Certification #: 460163*

Washington Certification #: C486*

West Virginia DEP Certification #: 382

West Virginia DW Certification #: 9952 C

Wisconsin Certification #: 999407970

Wyoming UST Certification #: via A2LA 2926.01

USDA Permit #: P330-19-00208

Please Note: Applicable air certifications are denoted with an asterisk ().

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: MPL001 27 FLD

Pace Project No.: 10544534

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10544534001	MPL001:VP60:SV010421	Air	01/04/21 10:11	01/11/21 09:00
10544534002	MPL001:AI60:AI010421	Air	01/04/21 10:25	01/11/21 09:00
10544534003	MPL001:VP80:SV122920	Air	12/29/20 12:35	01/11/21 09:00
10544534004	MPL001:VP81:SV122920	Air	12/29/20 13:06	01/11/21 09:00
10544534005	MPL001:VP82:SV122920	Air	12/29/20 15:12	01/11/21 09:00
10544534006	MPL001:VP83:SV122920	Air	12/29/20 14:33	01/11/21 09:00
10544534007	MPL001:VP84:SV122920	Air	12/29/20 13:52	01/11/21 09:00
10544534008	MPL001:VP85:SV122920	Air	12/29/20 10:55	01/11/21 09:00
10544534009	MPL001:VP86:SV122920	Air	12/29/20 11:17	01/11/21 09:00
10544534010	MPL001:VP87:SV122920	Air	12/29/20 11:38	01/11/21 09:00
10544534011	MPL001:VP88:SV122920	Air	12/29/20 12:05	01/11/21 09:00
10544534012	MPL001:AI85:AI122920	Air	12/29/20 12:49	01/11/21 09:00
10544534013	MPL001:AI86:AI122920	Air	12/29/20 12:52	01/11/21 09:00
10544534014	MPL001:AI87:AI122920	Air	12/29/20 12:54	01/11/21 09:00
10544534015	MPL001:AI88:AI122920	Air	12/29/20 13:21	01/11/21 09:00
10544534016	MPL001:AA81:AA122920	Air	12/29/20 13:32	01/11/21 09:00
10544534017	MPL001:AA84:AA122920	Air	12/29/20 14:52	01/11/21 09:00
10544534018	UNUSED PACE3209	Air		01/11/21 09:00
10544534019	UNUSED PACE3106	Air		01/11/21 09:00
10544534020	UNUSED PACE1134	Air		01/11/21 09:00
10544534021	UNUSED PACE1168	Air		01/11/21 09:00
10544534022	UNUSED PACE0260	Air		01/11/21 09:00
10544534023	UNUSED PACE0701	Air		01/11/21 09:00
10544534024	UNUSED PACE0013	Air		01/11/21 09:00
10544534025	UNUSED PACE0142	Air		01/11/21 09:00
10544534026	UNUSED PACE3512	Air		01/11/21 09:00
10544534027	UNUSED PACE2819	Air		01/11/21 09:00
10544534028	UNUSED PACE0505	Air		01/11/21 09:00

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: MPL001 27 FLD

Pace Project No.: 10544534

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10544534001	MPL001:VP60:SV010421	Method 3C Gases	MLS	1
		TO-15	CH1	53
		TO-15	CH1	8
10544534002	MPL001:AI60:AI010421	TO-15	CH1	53
		TO-15	CH1	8
10544534003	MPL001:VP80:SV122920	Method 3C Gases	MLS	1
		TO-15	CH1	53
		TO-15	CH1	8
10544534004	MPL001:VP81:SV122920	Method 3C Gases	MLS	1
		TO-15	CH1	53
		TO-15	CH1	8
10544534005	MPL001:VP82:SV122920	Method 3C Gases	MLS	1
		TO-15	CH1	53
		TO-15	CH1	8
10544534006	MPL001:VP83:SV122920	Method 3C Gases	MLS	1
		TO-15	MJL	53
		TO-15	MJL	8
10544534007	MPL001:VP84:SV122920	Method 3C Gases	MLS	1
		TO-15	MJL	53
		TO-15	MJL	8
10544534008	MPL001:VP85:SV122920	Method 3C Gases	MLS	1
		TO-15	MJL	53
		TO-15	MJL	8
10544534009	MPL001:VP86:SV122920	Method 3C Gases	MLS	1
		TO-15	MJL	53
		TO-15	MJL	8
10544534010	MPL001:VP87:SV122920	Method 3C Gases	MLS	1
		TO-15	MJL	53
		TO-15	MJL	8
10544534011	MPL001:VP88:SV122920	Method 3C Gases	MLS	1
		TO-15	MJL	53
		TO-15	MJL	8
10544534012	MPL001:AI85:AI122920	TO-15	MJL	53
		TO-15	MJL	8
10544534013	MPL001:AI86:AI122920	TO-15	MJL	53
		TO-15	MJL	8
10544534014	MPL001:AI87:AI122920	TO-15	MJL	53

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: MPL001 27 FLD

Pace Project No.: 10544534

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10544534015	MPL001:AI88:AI122920	TO-15	MJL	8
		TO-15	MJL	53
		TO-15	MJL	8
10544534016	MPL001:AA81:AA122920	TO-15	MJL	53
		TO-15	MJL	8
		TO-15	MJL	53
10544534017	MPL001:AA84:AA122920	TO-15	MJL	8
		TO-15	MJL	53

PASI-M = Pace Analytical Services - Minneapolis

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: MPL001 27 FLD

Pace Project No.: 10544534

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
10544534001	MPL001:VP60:SV010421					
TO-15	Acetone	13.2	ug/m3	11.3	01/15/21 01:16	
TO-15	Benzene	1.5	ug/m3	0.61	01/15/21 01:16	
TO-15	Dichlorodifluoromethane	89.6	ug/m3	1.9	01/15/21 01:16	
TO-15	Ethylbenzene	2.7	ug/m3	1.7	01/15/21 01:16	
TO-15	Tetrachloroethene	7.1	ug/m3	1.3	01/15/21 01:16	
TO-15	Tetrahydrofuran	13.5	ug/m3	1.1	01/15/21 01:16	
TO-15	Toluene	6.1	ug/m3	1.4	01/15/21 01:16	
TO-15	1,2,4-Trimethylbenzene	12.0	ug/m3	1.9	01/15/21 01:16	
TO-15	1,3,5-Trimethylbenzene	2.6	ug/m3	1.9	01/15/21 01:16	
TO-15	m&p-Xylene	13.7	ug/m3	3.3	01/15/21 01:16	
TO-15	o-Xylene	5.1	ug/m3	1.7	01/15/21 01:16	
TO-15	Ethanol	11.3	ug/m3	3.6	01/15/21 01:16	
10544534002	MPL001:AI60:AI010421					
TO-15	Acetone	18.7	ug/m3	9.4	01/14/21 22:07	
TO-15	Benzene	2.1	ug/m3	0.50	01/14/21 22:07	
TO-15	Dichlorodifluoromethane	2.9	ug/m3	1.6	01/14/21 22:07	
TO-15	n-Hexane	3.4	ug/m3	1.1	01/14/21 22:07	
TO-15	Toluene	5.1	ug/m3	1.2	01/14/21 22:07	
TO-15	Ethanol	983	ug/m3	3.0	01/14/21 22:07	E
TO-15	2-Propanol	43.6	ug/m3	3.9	01/14/21 22:07	
10544534003	MPL001:VP80:SV122920					
TO-15	Acetone	15.3	ug/m3	10.9	01/15/21 01:43	
TO-15	Benzene	5.3	ug/m3	0.58	01/15/21 01:43	
TO-15	Carbon disulfide	76.6	ug/m3	1.1	01/15/21 01:43	
TO-15	Chloroform	0.93	ug/m3	0.89	01/15/21 01:43	
TO-15	Cyclohexane	25.8	ug/m3	3.2	01/15/21 01:43	
TO-15	Dichlorodifluoromethane	2.0	ug/m3	1.8	01/15/21 01:43	
TO-15	Ethylbenzene	8.8	ug/m3	1.6	01/15/21 01:43	
TO-15	n-Hexane	11.6	ug/m3	1.3	01/15/21 01:43	
TO-15	Tetrachloroethene	106	ug/m3	1.2	01/15/21 01:43	
TO-15	Toluene	216	ug/m3	13.8	01/15/21 14:35	
TO-15	Trichloroethene	1.9	ug/m3	0.98	01/15/21 01:43	
TO-15	1,2,4-Trimethylbenzene	18.2	ug/m3	1.8	01/15/21 01:43	
TO-15	1,3,5-Trimethylbenzene	6.0	ug/m3	1.8	01/15/21 01:43	
TO-15	m&p-Xylene	37.0	ug/m3	3.2	01/15/21 01:43	
TO-15	o-Xylene	12.2	ug/m3	1.6	01/15/21 01:43	
TO-15	Ethanol	13.5	ug/m3	3.5	01/15/21 01:43	
TO-15	4-Ethyltoluene	6.3	ug/m3	4.5	01/15/21 01:43	
TO-15	n-Heptane	13.6	ug/m3	1.5	01/15/21 01:43	
10544534004	MPL001:VP81:SV122920					
TO-15	Acetone	15.1	ug/m3	10.3	01/15/21 02:10	
TO-15	2-Butanone (MEK)	10	ug/m3	5.1	01/15/21 02:10	
TO-15	Carbon disulfide	7.3	ug/m3	1.1	01/15/21 02:10	
TO-15	Chloroform	1.4	ug/m3	0.85	01/15/21 02:10	
TO-15	Ethylbenzene	2.9	ug/m3	1.5	01/15/21 02:10	
TO-15	n-Hexane	2.0	ug/m3	1.2	01/15/21 02:10	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: MPL001 27 FLD

Pace Project No.: 10544534

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
10544534004	MPL001:VP81:SV122920					
TO-15	Tetrachloroethene	14.9	ug/m3	1.2	01/15/21 02:10	
TO-15	Tetrahydrofuran	9.7	ug/m3	1.0	01/15/21 02:10	
TO-15	Toluene	322	ug/m3	13.1	01/15/21 15:01	
TO-15	Trichloroethene	2.1	ug/m3	0.93	01/15/21 02:10	
TO-15	1,2,4-Trimethylbenzene	8.0	ug/m3	1.7	01/15/21 02:10	
TO-15	1,3,5-Trimethylbenzene	2.5	ug/m3	1.7	01/15/21 02:10	
TO-15	m&p-Xylene	14.2	ug/m3	3.0	01/15/21 02:10	
TO-15	o-Xylene	4.7	ug/m3	1.5	01/15/21 02:10	
TO-15	Ethanol	18.2	ug/m3	3.3	01/15/21 02:10	
TO-15	2-Propanol	4.8	ug/m3	4.3	01/15/21 02:10	
10544534005	MPL001:VP82:SV122920					
TO-15	Acetone	31.5	ug/m3	10.5	01/15/21 02:38	
TO-15	Benzene	2.1	ug/m3	0.57	01/15/21 02:38	
TO-15	2-Butanone (MEK)	7.4	ug/m3	5.2	01/15/21 02:38	
TO-15	Carbon disulfide	6.4	ug/m3	1.1	01/15/21 02:38	
TO-15	Chloroform	2.2	ug/m3	0.86	01/15/21 02:38	
TO-15	Chloromethane	6.0	ug/m3	0.73	01/15/21 02:38	
TO-15	Cyclohexane	13.8	ug/m3	3.0	01/15/21 02:38	
TO-15	Ethylbenzene	3.6	ug/m3	1.5	01/15/21 02:38	
TO-15	n-Hexane	9.0	ug/m3	1.2	01/15/21 02:38	
TO-15	Tetrachloroethene	10.3	ug/m3	1.2	01/15/21 02:38	
TO-15	Toluene	280	ug/m3	13.3	01/15/21 15:27	
TO-15	1,2,4-Trimethylbenzene	7.6	ug/m3	1.7	01/15/21 02:38	
TO-15	1,3,5-Trimethylbenzene	2.9	ug/m3	1.7	01/15/21 02:38	
TO-15	m&p-Xylene	13.2	ug/m3	3.1	01/15/21 02:38	
TO-15	o-Xylene	6.2	ug/m3	1.5	01/15/21 02:38	
TO-15	Ethanol	31.9	ug/m3	3.3	01/15/21 02:38	
TO-15	n-Heptane	7.0	ug/m3	1.4	01/15/21 02:38	
TO-15	2-Propanol	7.9	ug/m3	4.4	01/15/21 02:38	
10544534006	MPL001:VP83:SV122920					
TO-15	Acetone	12.5	ug/m3	10.5	01/18/21 01:29	
TO-15	Benzene	0.80	ug/m3	0.57	01/18/21 01:29	
TO-15	2-Butanone (MEK)	8.2	ug/m3	5.2	01/18/21 01:29	
TO-15	Carbon disulfide	3.1	ug/m3	1.1	01/18/21 01:29	
TO-15	Chloroform	18.2	ug/m3	0.86	01/18/21 01:29	
TO-15	Dichlorodifluoromethane	2.1	ug/m3	1.8	01/18/21 01:29	
TO-15	Ethylbenzene	1.6	ug/m3	1.5	01/18/21 01:29	
TO-15	Tetrachloroethene	286	ug/m3	1.2	01/18/21 01:29	
TO-15	Tetrahydrofuran	3.7	ug/m3	1.0	01/18/21 01:29	
TO-15	Toluene	264	ug/m3	13.3	01/18/21 13:17	
TO-15	Trichloroethene	3.5	ug/m3	0.95	01/18/21 01:29	
TO-15	1,2,4-Trimethylbenzene	6.5	ug/m3	1.7	01/18/21 01:29	
TO-15	1,3,5-Trimethylbenzene	1.8	ug/m3	1.7	01/18/21 01:29	
TO-15	m&p-Xylene	7.7	ug/m3	3.1	01/18/21 01:29	
TO-15	o-Xylene	2.8	ug/m3	1.5	01/18/21 01:29	
TO-15	Ethanol	12.9	ug/m3	3.3	01/18/21 01:29	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: MPL001 27 FLD

Pace Project No.: 10544534

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
10544534006	MPL001:VP83:SV122920					
TO-15	2-Propanol	4.7	ug/m3	4.4	01/18/21 01:29	
10544534007	MPL001:VP84:SV122920					
TO-15	Acetone	18.4	ug/m3	11.3	01/18/21 01:02	
TO-15	Benzene	1.8	ug/m3	0.61	01/18/21 01:02	
TO-15	2-Butanone (MEK)	8.8	ug/m3	5.6	01/18/21 01:02	
TO-15	Carbon disulfide	29.5	ug/m3	1.2	01/18/21 01:02	
TO-15	Ethylbenzene	7.4	ug/m3	1.7	01/18/21 01:02	
TO-15	n-Hexane	4.4	ug/m3	1.3	01/18/21 01:02	
TO-15	Tetrachloroethene	36.2	ug/m3	1.3	01/18/21 01:02	
TO-15	Toluene	61.3	ug/m3	1.4	01/18/21 01:02	
TO-15	Trichloroethene	1.8	ug/m3	1.0	01/18/21 01:02	
TO-15	Trichlorofluoromethane	68.0	ug/m3	2.1	01/18/21 01:02	
TO-15	1,2,4-Trimethylbenzene	24.8	ug/m3	1.9	01/18/21 01:02	
TO-15	1,3,5-Trimethylbenzene	6.5	ug/m3	1.9	01/18/21 01:02	
TO-15	m&p-Xylene	35.4	ug/m3	3.3	01/18/21 01:02	
TO-15	o-Xylene	11.7	ug/m3	1.7	01/18/21 01:02	
TO-15	Ethanol	9.6	ug/m3	3.6	01/18/21 01:02	
TO-15	4-Ethyltoluene	8.3	ug/m3	4.7	01/18/21 01:02	
TO-15	n-Heptane	5.2	ug/m3	1.6	01/18/21 01:02	
10544534008	MPL001:VP85:SV122920					
TO-15	Acetone	167	ug/m3	11.1	01/18/21 00:35	
TO-15	Benzene	0.87	ug/m3	0.59	01/18/21 00:35	
TO-15	2-Butanone (MEK)	18.7	ug/m3	5.5	01/18/21 00:35	
TO-15	Carbon disulfide	1.4	ug/m3	1.2	01/18/21 00:35	
TO-15	Chloromethane	1.2	ug/m3	0.77	01/18/21 00:35	
TO-15	Dichlorodifluoromethane	2.2	ug/m3	1.8	01/18/21 00:35	
TO-15	Tetrachloroethene	99.4	ug/m3	1.3	01/18/21 00:35	
TO-15	Tetrahydrofuran	5.3	ug/m3	1.1	01/18/21 00:35	
TO-15	Toluene	2.4	ug/m3	1.4	01/18/21 00:35	
TO-15	Ethanol	171	ug/m3	3.5	01/18/21 00:35	
TO-15	n-Heptane	1.6	ug/m3	1.5	01/18/21 00:35	
TO-15	2-Propanol	14.1	ug/m3	4.6	01/18/21 00:35	
10544534009	MPL001:VP86:SV122920					
TO-15	Acetone	133	ug/m3	10.9	01/18/21 00:08	
TO-15	Benzene	1.3	ug/m3	0.58	01/18/21 00:08	
TO-15	2-Butanone (MEK)	10.9	ug/m3	5.4	01/18/21 00:08	
TO-15	Chloroform	10.0	ug/m3	0.89	01/18/21 00:08	
TO-15	Tetrachloroethene	561	ug/m3	12.4	01/18/21 09:59	
TO-15	Tetrahydrofuran	2.5	ug/m3	1.1	01/18/21 00:08	
TO-15	Toluene	5.4	ug/m3	1.4	01/18/21 00:08	
TO-15	Trichloroethene	167	ug/m3	0.98	01/18/21 00:08	
TO-15	Ethanol	116	ug/m3	3.5	01/18/21 00:08	
TO-15	n-Heptane	1.5	ug/m3	1.5	01/18/21 00:08	
TO-15	2-Propanol	12.2	ug/m3	4.5	01/18/21 00:08	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: MPL001 27 FLD

Pace Project No.: 10544534

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
10544534010	MPL001:VP87:SV122920					
TO-15	Acetone	54.6	ug/m3	10.7	01/17/21 23:41	
TO-15	2-Butanone (MEK)	10.9	ug/m3	5.3	01/17/21 23:41	
TO-15	Dichlorodifluoromethane	2.3	ug/m3	1.8	01/17/21 23:41	
TO-15	Tetrachloroethene	302	ug/m3	1.2	01/17/21 23:41	
TO-15	Tetrahydrofuran	2.1	ug/m3	1.1	01/17/21 23:41	
TO-15	Trichloroethene	2.4	ug/m3	0.97	01/17/21 23:41	
TO-15	Ethanol	65.8	ug/m3	3.4	01/17/21 23:41	
TO-15	2-Propanol	5.0	ug/m3	4.4	01/17/21 23:41	
10544534011	MPL001:VP88:SV122920					
TO-15	Acetone	99.1	ug/m3	11.5	01/17/21 23:14	
TO-15	Benzene	2.3	ug/m3	0.62	01/17/21 23:14	
TO-15	2-Butanone (MEK)	15.7	ug/m3	5.7	01/17/21 23:14	
TO-15	Carbon disulfide	2.8	ug/m3	1.2	01/17/21 23:14	
TO-15	Dichlorodifluoromethane	2.0	ug/m3	1.9	01/17/21 23:14	
TO-15	Tetrachloroethene	35.1	ug/m3	1.3	01/17/21 23:14	
TO-15	Tetrahydrofuran	4.8	ug/m3	1.1	01/17/21 23:14	
TO-15	Toluene	4.5	ug/m3	1.5	01/17/21 23:14	
TO-15	Ethanol	120	ug/m3	3.6	01/17/21 23:14	
TO-15	n-Heptane	1.6	ug/m3	1.6	01/17/21 23:14	
TO-15	2-Propanol	12.7	ug/m3	4.8	01/17/21 23:14	
10544534012	MPL001:AI85:AI122920					
TO-15	Benzene	1.1	ug/m3	0.50	01/17/21 22:47	
TO-15	Chloromethane	1.0	ug/m3	0.65	01/17/21 22:47	
TO-15	Dichlorodifluoromethane	2.2	ug/m3	1.6	01/17/21 22:47	
TO-15	Ethanol	146	ug/m3	3.0	01/17/21 22:47	
TO-15	2-Propanol	7.6	ug/m3	3.9	01/17/21 22:47	
10544534013	MPL001:AI86:AI122920					
TO-15	Acetone	15.4	ug/m3	10.1	01/17/21 22:19	
TO-15	Benzene	0.63	ug/m3	0.55	01/17/21 22:19	
TO-15	Chloromethane	2.0	ug/m3	0.71	01/17/21 22:19	
TO-15	Dichlorodifluoromethane	2.3	ug/m3	1.7	01/17/21 22:19	
TO-15	trans-1,2-Dichloroethene	5.0	ug/m3	1.4	01/17/21 22:19	
TO-15	Ethanol	25.8	ug/m3	3.2	01/17/21 22:19	
10544534014	MPL001:AI87:AI122920					
TO-15	Acetone	19.5	ug/m3	9.4	01/17/21 21:52	
TO-15	Benzene	0.59	ug/m3	0.50	01/17/21 21:52	
TO-15	2-Butanone (MEK)	6.9	ug/m3	4.6	01/17/21 21:52	
TO-15	Chloromethane	0.87	ug/m3	0.65	01/17/21 21:52	
TO-15	Dichlorodifluoromethane	2.1	ug/m3	1.6	01/17/21 21:52	
TO-15	Trichlorofluoromethane	4.1	ug/m3	1.8	01/17/21 21:52	
TO-15	Ethanol	29.2	ug/m3	3.0	01/17/21 21:52	
TO-15	2-Propanol	13.4	ug/m3	3.9	01/17/21 21:52	
10544534015	MPL001:AI88:AI122920					
TO-15	Benzene	0.64	ug/m3	0.50	01/17/21 21:24	

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SUMMARY OF DETECTION

Project: MPL001 27 FLD

Pace Project No.: 10544534

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
10544534015	MPL001:AI88:AI122920					
TO-15	Chloromethane	0.70	ug/m3	0.65	01/17/21 21:24	
TO-15	Dichlorodifluoromethane	2.2	ug/m3	1.6	01/17/21 21:24	
TO-15	Ethanol	45.4	ug/m3	3.0	01/17/21 21:24	
TO-15	2-Propanol	17.7	ug/m3	3.9	01/17/21 21:24	
10544534016	MPL001:AA81:AA122920					
TO-15	Benzene	0.61	ug/m3	0.47	01/17/21 20:57	
TO-15	Chloromethane	0.76	ug/m3	0.60	01/17/21 20:57	
TO-15	Dichlorodifluoromethane	2.1	ug/m3	1.5	01/17/21 20:57	
TO-15	Toluene	1.7	ug/m3	1.1	01/17/21 20:57	
TO-15	Ethanol	14.2	ug/m3	2.8	01/17/21 20:57	
10544534017	MPL001:AA84:AA122920					
TO-15	Benzene	0.65	ug/m3	0.53	01/17/21 20:30	
TO-15	Chloromethane	1.5	ug/m3	0.69	01/17/21 20:30	
TO-15	Dichlorodifluoromethane	2.2	ug/m3	1.7	01/17/21 20:30	
TO-15	Ethanol	12.6	ug/m3	3.1	01/17/21 20:30	

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: MPL001 27 FLD

Pace Project No.: 10544534

Method: Method 3C Gases

Description: Method 3C AIR - Fixed Gases

Client: Hull & Associates, Inc.-OH

Date: January 18, 2021

General Information:

10 samples were analyzed for Method 3C Gases by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: MPL001 27 FLD

Pace Project No.: 10544534

Method: TO-15

Description: TO15

Client: Hull & Associates, Inc.-OH

Date: January 18, 2021

General Information:

17 samples were analyzed for TO-15 by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

QC Batch: 720377

SS: This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

- LCS (Lab ID: 3842427)
 - 1,2,4-Trichlorobenzene
 - Naphthalene

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 720377

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

- LCS (Lab ID: 3842427)
 - 1,2,4-Trichlorobenzene
 - Naphthalene

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: MPL001 27 FLD

Pace Project No.: 10544534

Method: TO-15

Description: TO15 Non VAP Certified Comps

Client: Hull & Associates, Inc.-OH

Date: January 18, 2021

General Information:

17 samples were analyzed for TO-15 by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

QC Batch: 720378

SS: This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

- LCS (Lab ID: 3842429)
- 2-Hexanone

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 720378

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

- LCS (Lab ID: 3842429)
- 2-Hexanone

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 720378

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- MPL001:AI60:AI010421 (Lab ID: 10544534002)
- Ethanol

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PROJECT NARRATIVE

Project: MPL001 27 FLD

Pace Project No.: 10544534

Method: TO-15

Description: TO15 Non VAP Certified Comps

Client: Hull & Associates, Inc.-OH

Date: January 18, 2021

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MPL001 27 FLD

Pace Project No.: 10544534

Sample: MPL001:VP60:SV010421		Lab ID: 10544534001		Collected: 01/04/21 10:11		Received: 01/11/21 09:00		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Method 3C AIR - Fixed Gases		Analytical Method: Method 3C Gases							
		Pace Analytical Services - Minneapolis							
Helium	ND	%	3.6	1		01/13/21 07:18	7440-59-7		
TO15		Analytical Method: TO-15							
		Pace Analytical Services - Minneapolis							
Acetone	13.2	ug/m3	11.3	1.87		01/15/21 01:16	67-64-1		
Benzene	1.5	ug/m3	0.61	1.87		01/15/21 01:16	71-43-2		
Benzyl chloride	ND	ug/m3	4.9	1.87		01/15/21 01:16	100-44-7		
Bromodichloromethane	ND	ug/m3	2.5	1.87		01/15/21 01:16	75-27-4		
Bromoform	ND	ug/m3	9.8	1.87		01/15/21 01:16	75-25-2		
Bromomethane	ND	ug/m3	1.5	1.87		01/15/21 01:16	74-83-9		
1,3-Butadiene	ND	ug/m3	0.84	1.87		01/15/21 01:16	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.6	1.87		01/15/21 01:16	78-93-3		
Carbon disulfide	ND	ug/m3	1.2	1.87		01/15/21 01:16	75-15-0		
Carbon tetrachloride	ND	ug/m3	2.4	1.87		01/15/21 01:16	56-23-5		
Chlorobenzene	ND	ug/m3	1.8	1.87		01/15/21 01:16	108-90-7		
Chloroethane	ND	ug/m3	1.0	1.87		01/15/21 01:16	75-00-3		
Chloroform	ND	ug/m3	0.93	1.87		01/15/21 01:16	67-66-3		
Chloromethane	ND	ug/m3	0.79	1.87		01/15/21 01:16	74-87-3		
Cyclohexane	ND	ug/m3	3.3	1.87		01/15/21 01:16	110-82-7		
Dibromochloromethane	ND	ug/m3	3.2	1.87		01/15/21 01:16	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	1.5	1.87		01/15/21 01:16	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.3	1.87		01/15/21 01:16	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.3	1.87		01/15/21 01:16	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	5.7	1.87		01/15/21 01:16	106-46-7		
Dichlorodifluoromethane	89.6	ug/m3	1.9	1.87		01/15/21 01:16	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.5	1.87		01/15/21 01:16	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.77	1.87		01/15/21 01:16	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.5	1.87		01/15/21 01:16	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.5	1.87		01/15/21 01:16	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.5	1.87		01/15/21 01:16	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.8	1.87		01/15/21 01:16	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.7	1.87		01/15/21 01:16	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.7	1.87		01/15/21 01:16	10061-02-6		
Ethyl acetate	ND	ug/m3	1.4	1.87		01/15/21 01:16	141-78-6		
Ethylbenzene	2.7	ug/m3	1.7	1.87		01/15/21 01:16	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/m3	10.1	1.87		01/15/21 01:16	87-68-3		
n-Hexane	ND	ug/m3	1.3	1.87		01/15/21 01:16	110-54-3		
Methylene Chloride	ND	ug/m3	6.6	1.87		01/15/21 01:16	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.8	1.87		01/15/21 01:16	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.8	1.87		01/15/21 01:16	1634-04-4		
Naphthalene	ND	ug/m3	5.0	1.87		01/15/21 01:16	91-20-3		
Styrene	ND	ug/m3	1.6	1.87		01/15/21 01:16	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.87		01/15/21 01:16	79-34-5		
Tetrachloroethene	7.1	ug/m3	1.3	1.87		01/15/21 01:16	127-18-4		
Tetrahydrofuran	13.5	ug/m3	1.1	1.87		01/15/21 01:16	109-99-9		
Toluene	6.1	ug/m3	1.4	1.87		01/15/21 01:16	108-88-3		

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ANALYTICAL RESULTS

Project: MPL001 27 FLD

Pace Project No.: 10544534

Sample: MPL001:VP60:SV010421		Lab ID: 10544534001		Collected: 01/04/21 10:11		Received: 01/11/21 09:00		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15		Analytical Method: TO-15 Pace Analytical Services - Minneapolis							
1,2,4-Trichlorobenzene	ND	ug/m3	14.1	1.87			01/15/21 01:16	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	2.1	1.87			01/15/21 01:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	1.0	1.87			01/15/21 01:16	79-00-5	
Trichloroethene	ND	ug/m3	1.0	1.87			01/15/21 01:16	79-01-6	
Trichlorofluoromethane	ND	ug/m3	2.1	1.87			01/15/21 01:16	75-69-4	
1,2,4-Trimethylbenzene	12.0	ug/m3	1.9	1.87			01/15/21 01:16	95-63-6	
1,3,5-Trimethylbenzene	2.6	ug/m3	1.9	1.87			01/15/21 01:16	108-67-8	
Vinyl acetate	ND	ug/m3	1.3	1.87			01/15/21 01:16	108-05-4	
Vinyl chloride	ND	ug/m3	0.49	1.87			01/15/21 01:16	75-01-4	
m&p-Xylene	13.7	ug/m3	3.3	1.87			01/15/21 01:16	179601-23-1	
o-Xylene	5.1	ug/m3	1.7	1.87			01/15/21 01:16	95-47-6	

TO15 Non VAP Certified Comps		Analytical Method: TO-15 Pace Analytical Services - Minneapolis						
Dichlorotetrafluoroethane	ND	ug/m3	2.7	1.87		01/15/21 01:16	76-14-2	
Ethanol	11.3	ug/m3	3.6	1.87		01/15/21 01:16	64-17-5	
4-Ethyltoluene	ND	ug/m3	4.7	1.87		01/15/21 01:16	622-96-8	
n-Heptane	ND	ug/m3	1.6	1.87		01/15/21 01:16	142-82-5	
2-Hexanone	ND	ug/m3	7.8	1.87		01/15/21 01:16	591-78-6	
2-Propanol	ND	ug/m3	4.7	1.87		01/15/21 01:16	67-63-0	
Propylene	ND	ug/m3	0.65	1.87		01/15/21 01:16	115-07-1	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.9	1.87		01/15/21 01:16	76-13-1	

Sample: MPL001:AI60:AI010421		Lab ID: 10544534002		Collected: 01/04/21 10:25		Received: 01/11/21 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
Acetone	18.7	ug/m3	9.4	1.55		01/14/21 22:07	67-64-1		
Benzene	2.1	ug/m3	0.50	1.55		01/14/21 22:07	71-43-2		
Benzyl chloride	ND	ug/m3	4.1	1.55		01/14/21 22:07	100-44-7		
Bromodichloromethane	ND	ug/m3	2.1	1.55		01/14/21 22:07	75-27-4		
Bromoform	ND	ug/m3	8.1	1.55		01/14/21 22:07	75-25-2		
Bromomethane	ND	ug/m3	1.2	1.55		01/14/21 22:07	74-83-9		
1,3-Butadiene	ND	ug/m3	0.70	1.55		01/14/21 22:07	106-99-0		
2-Butanone (MEK)	ND	ug/m3	4.6	1.55		01/14/21 22:07	78-93-3		
Carbon disulfide	ND	ug/m3	0.98	1.55		01/14/21 22:07	75-15-0		
Carbon tetrachloride	ND	ug/m3	2.0	1.55		01/14/21 22:07	56-23-5		
Chlorobenzene	ND	ug/m3	1.5	1.55		01/14/21 22:07	108-90-7		
Chloroethane	ND	ug/m3	0.83	1.55		01/14/21 22:07	75-00-3		
Chloroform	ND	ug/m3	0.77	1.55		01/14/21 22:07	67-66-3		
Chloromethane	ND	ug/m3	0.65	1.55		01/14/21 22:07	74-87-3		
Cyclohexane	ND	ug/m3	2.7	1.55		01/14/21 22:07	110-82-7		

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ANALYTICAL RESULTS

Project: MPL001 27 FLD

Pace Project No.: 10544534

Sample: MPL001:AI60:AI010421		Lab ID: 10544534002		Collected: 01/04/21 10:25		Received: 01/11/21 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
Dibromochloromethane	ND	ug/m3	2.7	1.55		01/14/21 22:07	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	1.2	1.55		01/14/21 22:07	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	1.9	1.55		01/14/21 22:07	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	1.9	1.55		01/14/21 22:07	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	4.7	1.55		01/14/21 22:07	106-46-7		
Dichlorodifluoromethane	2.9	ug/m3	1.6	1.55		01/14/21 22:07	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.3	1.55		01/14/21 22:07	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.64	1.55		01/14/21 22:07	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.2	1.55		01/14/21 22:07	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.2	1.55		01/14/21 22:07	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.2	1.55		01/14/21 22:07	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.5	1.55		01/14/21 22:07	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.4	1.55		01/14/21 22:07	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.4	1.55		01/14/21 22:07	10061-02-6		
Ethyl acetate	ND	ug/m3	1.1	1.55		01/14/21 22:07	141-78-6		
Ethylbenzene	ND	ug/m3	1.4	1.55		01/14/21 22:07	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/m3	8.4	1.55		01/14/21 22:07	87-68-3		
n-Hexane	3.4	ug/m3	1.1	1.55		01/14/21 22:07	110-54-3		
Methylene Chloride	ND	ug/m3	5.5	1.55		01/14/21 22:07	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.4	1.55		01/14/21 22:07	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	5.7	1.55		01/14/21 22:07	1634-04-4		
Naphthalene	ND	ug/m3	4.1	1.55		01/14/21 22:07	91-20-3		
Styrene	ND	ug/m3	1.3	1.55		01/14/21 22:07	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.1	1.55		01/14/21 22:07	79-34-5		
Tetrachloroethene	ND	ug/m3	1.1	1.55		01/14/21 22:07	127-18-4		
Tetrahydrofuran	ND	ug/m3	0.93	1.55		01/14/21 22:07	109-99-9		
Toluene	5.1	ug/m3	1.2	1.55		01/14/21 22:07	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	11.7	1.55		01/14/21 22:07	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.7	1.55		01/14/21 22:07	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.86	1.55		01/14/21 22:07	79-00-5		
Trichloroethene	ND	ug/m3	0.85	1.55		01/14/21 22:07	79-01-6		
Trichlorofluoromethane	ND	ug/m3	1.8	1.55		01/14/21 22:07	75-69-4		
1,2,4-Trimethylbenzene	ND	ug/m3	1.5	1.55		01/14/21 22:07	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.5	1.55		01/14/21 22:07	108-67-8		
Vinyl acetate	ND	ug/m3	1.1	1.55		01/14/21 22:07	108-05-4		
Vinyl chloride	ND	ug/m3	0.40	1.55		01/14/21 22:07	75-01-4		
m&p-Xylene	ND	ug/m3	2.7	1.55		01/14/21 22:07	179601-23-1		
o-Xylene	ND	ug/m3	1.4	1.55		01/14/21 22:07	95-47-6		
TO15 Non VAP Certified Comps	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
Dichlorotetrafluoroethane	ND	ug/m3	2.2	1.55		01/14/21 22:07	76-14-2		
Ethanol	983	ug/m3	3.0	1.55		01/14/21 22:07	64-17-5	E	
4-Ethyltoluene	ND	ug/m3	3.9	1.55		01/14/21 22:07	622-96-8		
n-Heptane	ND	ug/m3	1.3	1.55		01/14/21 22:07	142-82-5		
2-Hexanone	ND	ug/m3	6.4	1.55		01/14/21 22:07	591-78-6		

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ANALYTICAL RESULTS

Project: MPL001 27 FLD

Pace Project No.: 10544534

Sample: MPL001:AI60:AI010421		Lab ID: 10544534002		Collected: 01/04/21 10:25		Received: 01/11/21 09:00		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 Non VAP Certified Comps		Analytical Method: TO-15 Pace Analytical Services - Minneapolis							
2-Propanol		43.6	ug/m3	3.9	1.55		01/14/21 22:07	67-63-0	
Propylene		ND	ug/m3	0.54	1.55		01/14/21 22:07	115-07-1	
1,1,2-Trichlorotrifluoroethane		ND	ug/m3	2.4	1.55		01/14/21 22:07	76-13-1	

Sample: MPL001:VP80:SV122920		Lab ID: 10544534003		Collected: 12/29/20 12:35		Received: 01/11/21 09:00		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Method 3C AIR - Fixed Gases		Analytical Method: Method 3C Gases Pace Analytical Services - Minneapolis							
Helium	ND	%	3.6	1		01/12/21 10:13	7440-59-7		

TO15								
Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
Acetone	15.3	ug/m3	10.9	1.8		01/15/21 01:43	67-64-1	
Benzene	5.3	ug/m3	0.58	1.8		01/15/21 01:43	71-43-2	
Benzyl chloride	ND	ug/m3	4.7	1.8		01/15/21 01:43	100-44-7	
Bromodichloromethane	ND	ug/m3	2.4	1.8		01/15/21 01:43	75-27-4	
Bromoform	ND	ug/m3	9.4	1.8		01/15/21 01:43	75-25-2	
Bromomethane	ND	ug/m3	1.4	1.8		01/15/21 01:43	74-83-9	
1,3-Butadiene	ND	ug/m3	0.81	1.8		01/15/21 01:43	106-99-0	
2-Butanone (MEK)	ND	ug/m3	5.4	1.8		01/15/21 01:43	78-93-3	
Carbon disulfide	76.6	ug/m3	1.1	1.8		01/15/21 01:43	75-15-0	
Carbon tetrachloride	ND	ug/m3	2.3	1.8		01/15/21 01:43	56-23-5	
Chlorobenzene	ND	ug/m3	1.7	1.8		01/15/21 01:43	108-90-7	
Chloroethane	ND	ug/m3	0.96	1.8		01/15/21 01:43	75-00-3	
Chloroform	0.93	ug/m3	0.89	1.8		01/15/21 01:43	67-66-3	
Chloromethane	ND	ug/m3	0.76	1.8		01/15/21 01:43	74-87-3	
Cyclohexane	25.8	ug/m3	3.2	1.8		01/15/21 01:43	110-82-7	
Dibromochloromethane	ND	ug/m3	3.1	1.8		01/15/21 01:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	1.4	1.8		01/15/21 01:43	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.2	1.8		01/15/21 01:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.2	1.8		01/15/21 01:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	5.5	1.8		01/15/21 01:43	106-46-7	
Dichlorodifluoromethane	2.0	ug/m3	1.8	1.8		01/15/21 01:43	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.5	1.8		01/15/21 01:43	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.74	1.8		01/15/21 01:43	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.5	1.8		01/15/21 01:43	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.5	1.8		01/15/21 01:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.5	1.8		01/15/21 01:43	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.7	1.8		01/15/21 01:43	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.7	1.8		01/15/21 01:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.7	1.8		01/15/21 01:43	10061-02-6	
Ethyl acetate	ND	ug/m3	1.3	1.8		01/15/21 01:43	141-78-6	

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ANALYTICAL RESULTS

Project: MPL001 27 FLD

Pace Project No.: 10544534

Sample: MPL001:VP80:SV122920		Lab ID: 10544534003		Collected: 12/29/20 12:35		Received: 01/11/21 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
Ethylbenzene	8.8	ug/m3	1.6	1.8		01/15/21 01:43	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/m3	9.8	1.8		01/15/21 01:43	87-68-3		
n-Hexane	11.6	ug/m3	1.3	1.8		01/15/21 01:43	110-54-3		
Methylene Chloride	ND	ug/m3	6.4	1.8		01/15/21 01:43	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.5	1.8		01/15/21 01:43	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.6	1.8		01/15/21 01:43	1634-04-4		
Naphthalene	ND	ug/m3	4.8	1.8		01/15/21 01:43	91-20-3		
Styrene	ND	ug/m3	1.6	1.8		01/15/21 01:43	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.8		01/15/21 01:43	79-34-5		
Tetrachloroethene	106	ug/m3	1.2	1.8		01/15/21 01:43	127-18-4		
Tetrahydrofuran	ND	ug/m3	1.1	1.8		01/15/21 01:43	109-99-9		
Toluene	216	ug/m3	13.8	18		01/15/21 14:35	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	13.6	1.8		01/15/21 01:43	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	2.0	1.8		01/15/21 01:43	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	1.0	1.8		01/15/21 01:43	79-00-5		
Trichloroethene	1.9	ug/m3	0.98	1.8		01/15/21 01:43	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.1	1.8		01/15/21 01:43	75-69-4		
1,2,4-Trimethylbenzene	18.2	ug/m3	1.8	1.8		01/15/21 01:43	95-63-6		
1,3,5-Trimethylbenzene	6.0	ug/m3	1.8	1.8		01/15/21 01:43	108-67-8		
Vinyl acetate	ND	ug/m3	1.3	1.8		01/15/21 01:43	108-05-4		
Vinyl chloride	ND	ug/m3	0.47	1.8		01/15/21 01:43	75-01-4		
m&p-Xylene	37.0	ug/m3	3.2	1.8		01/15/21 01:43	179601-23-1		
o-Xylene	12.2	ug/m3	1.6	1.8		01/15/21 01:43	95-47-6		

TO15 Non VAP Certified Comps		Analytical Method: TO-15 Pace Analytical Services - Minneapolis						
Dichlorotetrafluoroethane	ND	ug/m3	2.6	1.8		01/15/21 01:43	76-14-2	
Ethanol	13.5	ug/m3	3.5	1.8		01/15/21 01:43	64-17-5	
4-Ethyltoluene	6.3	ug/m3	4.5	1.8		01/15/21 01:43	622-96-8	
n-Heptane	13.6	ug/m3	1.5	1.8		01/15/21 01:43	142-82-5	
2-Hexanone	ND	ug/m3	7.5	1.8		01/15/21 01:43	591-78-6	
2-Propanol	ND	ug/m3	4.5	1.8		01/15/21 01:43	67-63-0	
Propylene	ND	ug/m3	0.63	1.8		01/15/21 01:43	115-07-1	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.8	1.8		01/15/21 01:43	76-13-1	

Sample: MPL001:VP81:SV122920		Lab ID: 10544534004		Collected: 12/29/20 13:06		Received: 01/11/21 09:00		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Method 3C AIR - Fixed Gases		Analytical Method: Method 3C Gases Pace Analytical Services - Minneapolis							
Helium	ND	%	3.6	1		01/12/21 10:23	7440-59-7		

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ANALYTICAL RESULTS

Project: MPL001 27 FLD

Pace Project No.: 10544534

Sample: MPL001:VP81:SV122920		Lab ID: 10544534004		Collected: 12/29/20 13:06		Received: 01/11/21 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
Acetone	15.1	ug/m3	10.3	1.71		01/15/21 02:10	67-64-1		
Benzene	ND	ug/m3	0.56	1.71		01/15/21 02:10	71-43-2		
Benzyl chloride	ND	ug/m3	4.5	1.71		01/15/21 02:10	100-44-7		
Bromodichloromethane	ND	ug/m3	2.3	1.71		01/15/21 02:10	75-27-4		
Bromoform	ND	ug/m3	9.0	1.71		01/15/21 02:10	75-25-2		
Bromomethane	ND	ug/m3	1.3	1.71		01/15/21 02:10	74-83-9		
1,3-Butadiene	ND	ug/m3	0.77	1.71		01/15/21 02:10	106-99-0		
2-Butanone (MEK)	10	ug/m3	5.1	1.71		01/15/21 02:10	78-93-3		
Carbon disulfide	7.3	ug/m3	1.1	1.71		01/15/21 02:10	75-15-0		
Carbon tetrachloride	ND	ug/m3	2.2	1.71		01/15/21 02:10	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.71		01/15/21 02:10	108-90-7		
Chloroethane	ND	ug/m3	0.92	1.71		01/15/21 02:10	75-00-3		
Chloroform	1.4	ug/m3	0.85	1.71		01/15/21 02:10	67-66-3		
Chloromethane	ND	ug/m3	0.72	1.71		01/15/21 02:10	74-87-3		
Cyclohexane	ND	ug/m3	3.0	1.71		01/15/21 02:10	110-82-7		
Dibromochloromethane	ND	ug/m3	3.0	1.71		01/15/21 02:10	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	1.3	1.71		01/15/21 02:10	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.1	1.71		01/15/21 02:10	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.71		01/15/21 02:10	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	5.2	1.71		01/15/21 02:10	106-46-7		
Dichlorodifluoromethane	ND	ug/m3	1.7	1.71		01/15/21 02:10	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.71		01/15/21 02:10	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.70	1.71		01/15/21 02:10	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.71		01/15/21 02:10	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.71		01/15/21 02:10	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.71		01/15/21 02:10	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.71		01/15/21 02:10	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.6	1.71		01/15/21 02:10	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.6	1.71		01/15/21 02:10	10061-02-6		
Ethyl acetate	ND	ug/m3	1.3	1.71		01/15/21 02:10	141-78-6		
Ethylbenzene	2.9	ug/m3	1.5	1.71		01/15/21 02:10	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/m3	9.3	1.71		01/15/21 02:10	87-68-3		
n-Hexane	2.0	ug/m3	1.2	1.71		01/15/21 02:10	110-54-3		
Methylene Chloride	ND	ug/m3	6.0	1.71		01/15/21 02:10	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.1	1.71		01/15/21 02:10	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.3	1.71		01/15/21 02:10	1634-04-4		
Naphthalene	ND	ug/m3	4.5	1.71		01/15/21 02:10	91-20-3		
Styrene	ND	ug/m3	1.5	1.71		01/15/21 02:10	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.71		01/15/21 02:10	79-34-5		
Tetrachloroethene	14.9	ug/m3	1.2	1.71		01/15/21 02:10	127-18-4		
Tetrahydrofuran	9.7	ug/m3	1.0	1.71		01/15/21 02:10	109-99-9		
Toluene	322	ug/m3	13.1	17.1		01/15/21 15:01	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	12.9	1.71		01/15/21 02:10	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.71		01/15/21 02:10	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.95	1.71		01/15/21 02:10	79-00-5		
Trichloroethene	2.1	ug/m3	0.93	1.71		01/15/21 02:10	79-01-6		

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ANALYTICAL RESULTS

Project: MPL001 27 FLD

Pace Project No.: 10544534

Sample: MPL001:VP81:SV122920		Lab ID: 10544534004		Collected: 12/29/20 13:06		Received: 01/11/21 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
	Trichlorofluoromethane	ND	ug/m3	1.9	1.71		01/15/21 02:10	75-69-4	
	1,2,4-Trimethylbenzene	8.0	ug/m3	1.7	1.71		01/15/21 02:10	95-63-6	
	1,3,5-Trimethylbenzene	2.5	ug/m3	1.7	1.71		01/15/21 02:10	108-67-8	
	Vinyl acetate	ND	ug/m3	1.2	1.71		01/15/21 02:10	108-05-4	
	Vinyl chloride	ND	ug/m3	0.44	1.71		01/15/21 02:10	75-01-4	
	m&p-Xylene	14.2	ug/m3	3.0	1.71		01/15/21 02:10	179601-23-1	
	o-Xylene	4.7	ug/m3	1.5	1.71		01/15/21 02:10	95-47-6	
TO15 Non VAP Certified Comps	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
	Dichlorotetrafluoroethane	ND	ug/m3	2.4	1.71		01/15/21 02:10	76-14-2	
	Ethanol	18.2	ug/m3	3.3	1.71		01/15/21 02:10	64-17-5	
	4-Ethyltoluene	ND	ug/m3	4.3	1.71		01/15/21 02:10	622-96-8	
	n-Heptane	ND	ug/m3	1.4	1.71		01/15/21 02:10	142-82-5	
	2-Hexanone	ND	ug/m3	7.1	1.71		01/15/21 02:10	591-78-6	
	2-Propanol	4.8	ug/m3	4.3	1.71		01/15/21 02:10	67-63-0	
	Propylene	ND	ug/m3	0.60	1.71		01/15/21 02:10	115-07-1	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.7	1.71		01/15/21 02:10	76-13-1		

Sample: MPL001:VP82:SV122920		Lab ID: 10544534005		Collected: 12/29/20 15:12		Received: 01/11/21 09:00		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Method 3C AIR - Fixed Gases		Analytical Method: Method 3C Gases Pace Analytical Services - Minneapolis							
Helium	ND	%	3.6	1		01/12/21 10:36	7440-59-7		
TO15		Analytical Method: TO-15 Pace Analytical Services - Minneapolis							
Acetone	31.5	ug/m3	10.5	1.74		01/15/21 02:38	67-64-1		
Benzene	2.1	ug/m3	0.57	1.74		01/15/21 02:38	71-43-2		
Benzyl chloride	ND	ug/m3	4.6	1.74		01/15/21 02:38	100-44-7		
Bromodichloromethane	ND	ug/m3	2.4	1.74		01/15/21 02:38	75-27-4		
Bromoform	ND	ug/m3	9.1	1.74		01/15/21 02:38	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.74		01/15/21 02:38	74-83-9		
1,3-Butadiene	ND	ug/m3	0.78	1.74		01/15/21 02:38	106-99-0		
2-Butanone (MEK)	7.4	ug/m3	5.2	1.74		01/15/21 02:38	78-93-3		
Carbon disulfide	6.4	ug/m3	1.1	1.74		01/15/21 02:38	75-15-0		
Carbon tetrachloride	ND	ug/m3	2.2	1.74		01/15/21 02:38	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.74		01/15/21 02:38	108-90-7		
Chloroethane	ND	ug/m3	0.93	1.74		01/15/21 02:38	75-00-3		
Chloroform	2.2	ug/m3	0.86	1.74		01/15/21 02:38	67-66-3		
Chloromethane	6.0	ug/m3	0.73	1.74		01/15/21 02:38	74-87-3		
Cyclohexane	13.8	ug/m3	3.0	1.74		01/15/21 02:38	110-82-7		

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ANALYTICAL RESULTS

Project: MPL001 27 FLD

Pace Project No.: 10544534

Sample: MPL001:VP82:SV122920		Lab ID: 10544534005		Collected: 12/29/20 15:12		Received: 01/11/21 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
Dibromochloromethane	ND	ug/m3	3.0	1.74		01/15/21 02:38	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	1.4	1.74		01/15/21 02:38	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.1	1.74		01/15/21 02:38	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.74		01/15/21 02:38	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	5.3	1.74		01/15/21 02:38	106-46-7		
Dichlorodifluoromethane	ND	ug/m3	1.8	1.74		01/15/21 02:38	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.74		01/15/21 02:38	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.72	1.74		01/15/21 02:38	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.74		01/15/21 02:38	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.74		01/15/21 02:38	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.74		01/15/21 02:38	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.74		01/15/21 02:38	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.6	1.74		01/15/21 02:38	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.6	1.74		01/15/21 02:38	10061-02-6		
Ethyl acetate	ND	ug/m3	1.3	1.74		01/15/21 02:38	141-78-6		
Ethylbenzene	3.6	ug/m3	1.5	1.74		01/15/21 02:38	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/m3	9.4	1.74		01/15/21 02:38	87-68-3		
n-Hexane	9.0	ug/m3	1.2	1.74		01/15/21 02:38	110-54-3		
Methylene Chloride	ND	ug/m3	6.1	1.74		01/15/21 02:38	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.2	1.74		01/15/21 02:38	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.74		01/15/21 02:38	1634-04-4		
Naphthalene	ND	ug/m3	4.6	1.74		01/15/21 02:38	91-20-3		
Styrene	ND	ug/m3	1.5	1.74		01/15/21 02:38	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.74		01/15/21 02:38	79-34-5		
Tetrachloroethene	10.3	ug/m3	1.2	1.74		01/15/21 02:38	127-18-4		
Tetrahydrofuran	ND	ug/m3	1.0	1.74		01/15/21 02:38	109-99-9		
Toluene	280	ug/m3	13.3	17.4		01/15/21 15:27	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	13.1	1.74		01/15/21 02:38	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.74		01/15/21 02:38	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.97	1.74		01/15/21 02:38	79-00-5		
Trichloroethene	ND	ug/m3	0.95	1.74		01/15/21 02:38	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.0	1.74		01/15/21 02:38	75-69-4		
1,2,4-Trimethylbenzene	7.6	ug/m3	1.7	1.74		01/15/21 02:38	95-63-6		
1,3,5-Trimethylbenzene	2.9	ug/m3	1.7	1.74		01/15/21 02:38	108-67-8		
Vinyl acetate	ND	ug/m3	1.2	1.74		01/15/21 02:38	108-05-4		
Vinyl chloride	ND	ug/m3	0.45	1.74		01/15/21 02:38	75-01-4		
m&p-Xylene	13.2	ug/m3	3.1	1.74		01/15/21 02:38	179601-23-1		
o-Xylene	6.2	ug/m3	1.5	1.74		01/15/21 02:38	95-47-6		

TO15 Non VAP Certified Comps

Analytical Method: TO-15
Pace Analytical Services - Minneapolis

Dichlorotetrafluoroethane	ND	ug/m3	2.5	1.74		01/15/21 02:38	76-14-2	
Ethanol	31.9	ug/m3	3.3	1.74		01/15/21 02:38	64-17-5	
4-Ethyltoluene	ND	ug/m3	4.4	1.74		01/15/21 02:38	622-96-8	
n-Heptane	7.0	ug/m3	1.4	1.74		01/15/21 02:38	142-82-5	
2-Hexanone	ND	ug/m3	7.2	1.74		01/15/21 02:38	591-78-6	

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ANALYTICAL RESULTS

Project: MPL001 27 FLD

Pace Project No.: 10544534

Sample: MPL001:VP82:SV122920		Lab ID: 10544534005		Collected: 12/29/20 15:12		Received: 01/11/21 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 Non VAP Certified Comps		Analytical Method: TO-15 Pace Analytical Services - Minneapolis							
2-Propanol	7.9	ug/m3	4.4	1.74		01/15/21 02:38	67-63-0		
Propylene	ND	ug/m3	0.61	1.74		01/15/21 02:38	115-07-1		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.7	1.74		01/15/21 02:38	76-13-1		

Sample: MPL001:VP83:SV122920		Lab ID: 10544534006		Collected: 12/29/20 14:33		Received: 01/11/21 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
Method 3C AIR - Fixed Gases		Analytical Method: Method 3C Gases Pace Analytical Services - Minneapolis							
Helium	ND	%	3.6	1		01/12/21 10:46	7440-59-7		
TO15		Analytical Method: TO-15 Pace Analytical Services - Minneapolis							
Acetone	12.5	ug/m3	10.5	1.74		01/18/21 01:29	67-64-1		
Benzene	0.80	ug/m3	0.57	1.74		01/18/21 01:29	71-43-2		
Benzyl chloride	ND	ug/m3	4.6	1.74		01/18/21 01:29	100-44-7		
Bromodichloromethane	ND	ug/m3	2.4	1.74		01/18/21 01:29	75-27-4		
Bromoform	ND	ug/m3	9.1	1.74		01/18/21 01:29	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.74		01/18/21 01:29	74-83-9		
1,3-Butadiene	ND	ug/m3	0.78	1.74		01/18/21 01:29	106-99-0		
2-Butanone (MEK)	8.2	ug/m3	5.2	1.74		01/18/21 01:29	78-93-3		
Carbon disulfide	3.1	ug/m3	1.1	1.74		01/18/21 01:29	75-15-0		
Carbon tetrachloride	ND	ug/m3	2.2	1.74		01/18/21 01:29	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.74		01/18/21 01:29	108-90-7		
Chloroethane	ND	ug/m3	0.93	1.74		01/18/21 01:29	75-00-3		
Chloroform	18.2	ug/m3	0.86	1.74		01/18/21 01:29	67-66-3		
Chloromethane	ND	ug/m3	0.73	1.74		01/18/21 01:29	74-87-3		
Cyclohexane	ND	ug/m3	3.0	1.74		01/18/21 01:29	110-82-7		
Dibromochloromethane	ND	ug/m3	3.0	1.74		01/18/21 01:29	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	1.4	1.74		01/18/21 01:29	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.1	1.74		01/18/21 01:29	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.74		01/18/21 01:29	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	5.3	1.74		01/18/21 01:29	106-46-7		
Dichlorodifluoromethane	2.1	ug/m3	1.8	1.74		01/18/21 01:29	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.74		01/18/21 01:29	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.72	1.74		01/18/21 01:29	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.74		01/18/21 01:29	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.74		01/18/21 01:29	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.74		01/18/21 01:29	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.74		01/18/21 01:29	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.6	1.74		01/18/21 01:29	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.6	1.74		01/18/21 01:29	10061-02-6		
Ethyl acetate	ND	ug/m3	1.3	1.74		01/18/21 01:29	141-78-6		

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ANALYTICAL RESULTS

Project: MPL001 27 FLD

Pace Project No.: 10544534

Sample: MPL001:VP83:SV122920		Lab ID: 10544534006		Collected: 12/29/20 14:33		Received: 01/11/21 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
Ethylbenzene	1.6	ug/m3	1.5	1.74		01/18/21 01:29	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/m3	9.4	1.74		01/18/21 01:29	87-68-3		
n-Hexane	ND	ug/m3	1.2	1.74		01/18/21 01:29	110-54-3		
Methylene Chloride	ND	ug/m3	6.1	1.74		01/18/21 01:29	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.2	1.74		01/18/21 01:29	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.74		01/18/21 01:29	1634-04-4		
Naphthalene	ND	ug/m3	4.6	1.74		01/18/21 01:29	91-20-3		
Styrene	ND	ug/m3	1.5	1.74		01/18/21 01:29	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.74		01/18/21 01:29	79-34-5		
Tetrachloroethene	286	ug/m3	1.2	1.74		01/18/21 01:29	127-18-4		
Tetrahydrofuran	3.7	ug/m3	1.0	1.74		01/18/21 01:29	109-99-9		
Toluene	264	ug/m3	13.3	17.4		01/18/21 13:17	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	13.1	1.74		01/18/21 01:29	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.74		01/18/21 01:29	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.97	1.74		01/18/21 01:29	79-00-5		
Trichloroethene	3.5	ug/m3	0.95	1.74		01/18/21 01:29	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.0	1.74		01/18/21 01:29	75-69-4		
1,2,4-Trimethylbenzene	6.5	ug/m3	1.7	1.74		01/18/21 01:29	95-63-6		
1,3,5-Trimethylbenzene	1.8	ug/m3	1.7	1.74		01/18/21 01:29	108-67-8		
Vinyl acetate	ND	ug/m3	1.2	1.74		01/18/21 01:29	108-05-4		
Vinyl chloride	ND	ug/m3	0.45	1.74		01/18/21 01:29	75-01-4		
m&p-Xylene	7.7	ug/m3	3.1	1.74		01/18/21 01:29	179601-23-1		
o-Xylene	2.8	ug/m3	1.5	1.74		01/18/21 01:29	95-47-6		

TO15 Non VAP Certified Comps		Analytical Method: TO-15 Pace Analytical Services - Minneapolis						
Dichlorotetrafluoroethane	ND	ug/m3	2.5	1.74		01/18/21 01:29	76-14-2	
Ethanol	12.9	ug/m3	3.3	1.74		01/18/21 01:29	64-17-5	
4-Ethyltoluene	ND	ug/m3	4.4	1.74		01/18/21 01:29	622-96-8	
n-Heptane	ND	ug/m3	1.4	1.74		01/18/21 01:29	142-82-5	
2-Hexanone	ND	ug/m3	7.2	1.74		01/18/21 01:29	591-78-6	
2-Propanol	4.7	ug/m3	4.4	1.74		01/18/21 01:29	67-63-0	
Propylene	ND	ug/m3	0.61	1.74		01/18/21 01:29	115-07-1	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.7	1.74		01/18/21 01:29	76-13-1	

Sample: MPL001:VP84:SV122920		Lab ID: 10544534007		Collected: 12/29/20 13:52		Received: 01/11/21 09:00		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Method 3C AIR - Fixed Gases		Analytical Method: Method 3C Gases Pace Analytical Services - Minneapolis							
Helium	ND	%	3.6	1		01/12/21 10:56	7440-59-7		

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ANALYTICAL RESULTS

Project: MPL001 27 FLD

Pace Project No.: 10544534

Sample: MPL001:VP84:SV122920		Lab ID: 10544534007		Collected: 12/29/20 13:52		Received: 01/11/21 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
Acetone	18.4	ug/m3	11.3	1.87		01/18/21 01:02	67-64-1		
Benzene	1.8	ug/m3	0.61	1.87		01/18/21 01:02	71-43-2		
Benzyl chloride	ND	ug/m3	4.9	1.87		01/18/21 01:02	100-44-7		
Bromodichloromethane	ND	ug/m3	2.5	1.87		01/18/21 01:02	75-27-4		
Bromoform	ND	ug/m3	9.8	1.87		01/18/21 01:02	75-25-2		
Bromomethane	ND	ug/m3	1.5	1.87		01/18/21 01:02	74-83-9		
1,3-Butadiene	ND	ug/m3	0.84	1.87		01/18/21 01:02	106-99-0		
2-Butanone (MEK)	8.8	ug/m3	5.6	1.87		01/18/21 01:02	78-93-3		
Carbon disulfide	29.5	ug/m3	1.2	1.87		01/18/21 01:02	75-15-0		
Carbon tetrachloride	ND	ug/m3	2.4	1.87		01/18/21 01:02	56-23-5		
Chlorobenzene	ND	ug/m3	1.8	1.87		01/18/21 01:02	108-90-7		
Chloroethane	ND	ug/m3	1.0	1.87		01/18/21 01:02	75-00-3		
Chloroform	ND	ug/m3	0.93	1.87		01/18/21 01:02	67-66-3		
Chloromethane	ND	ug/m3	0.79	1.87		01/18/21 01:02	74-87-3		
Cyclohexane	ND	ug/m3	3.3	1.87		01/18/21 01:02	110-82-7		
Dibromochloromethane	ND	ug/m3	3.2	1.87		01/18/21 01:02	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	1.5	1.87		01/18/21 01:02	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.3	1.87		01/18/21 01:02	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.3	1.87		01/18/21 01:02	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	5.7	1.87		01/18/21 01:02	106-46-7		
Dichlorodifluoromethane	ND	ug/m3	1.9	1.87		01/18/21 01:02	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.5	1.87		01/18/21 01:02	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.77	1.87		01/18/21 01:02	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.5	1.87		01/18/21 01:02	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.5	1.87		01/18/21 01:02	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.5	1.87		01/18/21 01:02	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.8	1.87		01/18/21 01:02	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.7	1.87		01/18/21 01:02	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.7	1.87		01/18/21 01:02	10061-02-6		
Ethyl acetate	ND	ug/m3	1.4	1.87		01/18/21 01:02	141-78-6		
Ethylbenzene	7.4	ug/m3	1.7	1.87		01/18/21 01:02	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/m3	10.1	1.87		01/18/21 01:02	87-68-3		
n-Hexane	4.4	ug/m3	1.3	1.87		01/18/21 01:02	110-54-3		
Methylene Chloride	ND	ug/m3	6.6	1.87		01/18/21 01:02	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.8	1.87		01/18/21 01:02	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.8	1.87		01/18/21 01:02	1634-04-4		
Naphthalene	ND	ug/m3	5.0	1.87		01/18/21 01:02	91-20-3		
Styrene	ND	ug/m3	1.6	1.87		01/18/21 01:02	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.87		01/18/21 01:02	79-34-5		
Tetrachloroethene	36.2	ug/m3	1.3	1.87		01/18/21 01:02	127-18-4		
Tetrahydrofuran	ND	ug/m3	1.1	1.87		01/18/21 01:02	109-99-9		
Toluene	61.3	ug/m3	1.4	1.87		01/18/21 01:02	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	14.1	1.87		01/18/21 01:02	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	2.1	1.87		01/18/21 01:02	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	1.0	1.87		01/18/21 01:02	79-00-5		
Trichloroethene	1.8	ug/m3	1.0	1.87		01/18/21 01:02	79-01-6		

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ANALYTICAL RESULTS

Project: MPL001 27 FLD

Pace Project No.: 10544534

Sample: MPL001:VP84:SV122920		Lab ID: 10544534007		Collected: 12/29/20 13:52		Received: 01/11/21 09:00		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15		Analytical Method: TO-15 Pace Analytical Services - Minneapolis							
Trichlorofluoromethane		68.0	ug/m3	2.1	1.87		01/18/21 01:02	75-69-4	
1,2,4-Trimethylbenzene		24.8	ug/m3	1.9	1.87		01/18/21 01:02	95-63-6	
1,3,5-Trimethylbenzene		6.5	ug/m3	1.9	1.87		01/18/21 01:02	108-67-8	
Vinyl acetate		ND	ug/m3	1.3	1.87		01/18/21 01:02	108-05-4	
Vinyl chloride		ND	ug/m3	0.49	1.87		01/18/21 01:02	75-01-4	
m&p-Xylene		35.4	ug/m3	3.3	1.87		01/18/21 01:02	179601-23-1	
o-Xylene		11.7	ug/m3	1.7	1.87		01/18/21 01:02	95-47-6	

TO15 Non VAP Certified Comps		Analytical Method: TO-15 Pace Analytical Services - Minneapolis						
Dichlorotetrafluoroethane	ND	ug/m3	2.7	1.87		01/18/21 01:02	76-14-2	
Ethanol	9.6	ug/m3	3.6	1.87		01/18/21 01:02	64-17-5	
4-Ethyltoluene	8.3	ug/m3	4.7	1.87		01/18/21 01:02	622-96-8	
n-Heptane	5.2	ug/m3	1.6	1.87		01/18/21 01:02	142-82-5	
2-Hexanone	ND	ug/m3	7.8	1.87		01/18/21 01:02	591-78-6	
2-Propanol	ND	ug/m3	4.7	1.87		01/18/21 01:02	67-63-0	
Propylene	ND	ug/m3	0.65	1.87		01/18/21 01:02	115-07-1	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.9	1.87		01/18/21 01:02	76-13-1	

Sample: MPL001:VP85:SV122920		Lab ID: 10544534008		Collected: 12/29/20 10:55		Received: 01/11/21 09:00		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Method 3C AIR - Fixed Gases		Analytical Method: Method 3C Gases Pace Analytical Services - Minneapolis							
Helium	ND	%	3.6	1			01/12/21 11:06	7440-59-7	
TO15		Analytical Method: TO-15 Pace Analytical Services - Minneapolis							
Acetone	167	ug/m3	11.1	1.83			01/18/21 00:35	67-64-1	
Benzene	0.87	ug/m3	0.59	1.83			01/18/21 00:35	71-43-2	
Benzyl chloride	ND	ug/m3	4.8	1.83			01/18/21 00:35	100-44-7	
Bromodichloromethane	ND	ug/m3	2.5	1.83			01/18/21 00:35	75-27-4	
Bromoform	ND	ug/m3	9.6	1.83			01/18/21 00:35	75-25-2	
Bromomethane	ND	ug/m3	1.4	1.83			01/18/21 00:35	74-83-9	
1,3-Butadiene	ND	ug/m3	0.82	1.83			01/18/21 00:35	106-99-0	
2-Butanone (MEK)	18.7	ug/m3	5.5	1.83			01/18/21 00:35	78-93-3	
Carbon disulfide	1.4	ug/m3	1.2	1.83			01/18/21 00:35	75-15-0	
Carbon tetrachloride	ND	ug/m3	2.3	1.83			01/18/21 00:35	56-23-5	
Chlorobenzene	ND	ug/m3	1.7	1.83			01/18/21 00:35	108-90-7	
Chloroethane	ND	ug/m3	0.98	1.83			01/18/21 00:35	75-00-3	
Chloroform	ND	ug/m3	0.91	1.83			01/18/21 00:35	67-66-3	
Chloromethane	1.2	ug/m3	0.77	1.83			01/18/21 00:35	74-87-3	
Cyclohexane	ND	ug/m3	3.2	1.83			01/18/21 00:35	110-82-7	

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ANALYTICAL RESULTS

Project: MPL001 27 FLD

Pace Project No.: 10544534

Sample: MPL001:VP85:SV122920		Lab ID: 10544534008		Collected: 12/29/20 10:55		Received: 01/11/21 09:00		Matrix: Air		
Parameters		Results	Units	Report Limit		DF	Prepared	Analyzed	CAS No.	Qual
TO15		Analytical Method: TO-15								
		Pace Analytical Services - Minneapolis								
Dibromochloromethane	ND	ug/m3	3.2	1.83			01/18/21 00:35	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	1.4	1.83			01/18/21 00:35	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.2	1.83			01/18/21 00:35	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.2	1.83			01/18/21 00:35	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	5.6	1.83			01/18/21 00:35	106-46-7		
Dichlorodifluoromethane	2.2	ug/m3	1.8	1.83			01/18/21 00:35	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.5	1.83			01/18/21 00:35	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.75	1.83			01/18/21 00:35	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.5	1.83			01/18/21 00:35	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.5	1.83			01/18/21 00:35	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.5	1.83			01/18/21 00:35	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.7	1.83			01/18/21 00:35	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.7	1.83			01/18/21 00:35	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.7	1.83			01/18/21 00:35	10061-02-6		
Ethyl acetate	ND	ug/m3	1.3	1.83			01/18/21 00:35	141-78-6		
Ethylbenzene	ND	ug/m3	1.6	1.83			01/18/21 00:35	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/m3	9.9	1.83			01/18/21 00:35	87-68-3		
n-Hexane	ND	ug/m3	1.3	1.83			01/18/21 00:35	110-54-3		
Methylene Chloride	ND	ug/m3	6.5	1.83			01/18/21 00:35	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.6	1.83			01/18/21 00:35	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.7	1.83			01/18/21 00:35	1634-04-4		
Naphthalene	ND	ug/m3	4.9	1.83			01/18/21 00:35	91-20-3		
Styrene	ND	ug/m3	1.6	1.83			01/18/21 00:35	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.83			01/18/21 00:35	79-34-5		
Tetrachloroethene	99.4	ug/m3	1.3	1.83			01/18/21 00:35	127-18-4		
Tetrahydrofuran	5.3	ug/m3	1.1	1.83			01/18/21 00:35	109-99-9		
Toluene	2.4	ug/m3	1.4	1.83			01/18/21 00:35	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	13.8	1.83			01/18/21 00:35	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	2.0	1.83			01/18/21 00:35	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	1.0	1.83			01/18/21 00:35	79-00-5		
Trichloroethene	ND	ug/m3	1.0	1.83			01/18/21 00:35	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.1	1.83			01/18/21 00:35	75-69-4		
1,2,4-Trimethylbenzene	ND	ug/m3	1.8	1.83			01/18/21 00:35	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.8	1.83			01/18/21 00:35	108-67-8		
Vinyl acetate	ND	ug/m3	1.3	1.83			01/18/21 00:35	108-05-4		
Vinyl chloride	ND	ug/m3	0.48	1.83			01/18/21 00:35	75-01-4		
m&p-Xylene	ND	ug/m3	3.2	1.83			01/18/21 00:35	179601-23-1		
o-Xylene	ND	ug/m3	1.6	1.83			01/18/21 00:35	95-47-6		
TO15 Non VAP Certified Comps		Analytical Method: TO-15								
		Pace Analytical Services - Minneapolis								
Dichlorotetrafluoroethane	ND	ug/m3	2.6	1.83			01/18/21 00:35	76-14-2		
Ethanol	171	ug/m3	3.5	1.83			01/18/21 00:35	64-17-5		
4-Ethyltoluene	ND	ug/m3	4.6	1.83			01/18/21 00:35	622-96-8		
n-Heptane	1.6	ug/m3	1.5	1.83			01/18/21 00:35	142-82-5		
2-Hexanone	ND	ug/m3	7.6	1.83			01/18/21 00:35	591-78-6		

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ANALYTICAL RESULTS

Project: MPL001 27 FLD

Pace Project No.: 10544534

Sample: MPL001:VP85:SV122920		Lab ID: 10544534008		Collected: 12/29/20 10:55		Received: 01/11/21 09:00		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 Non VAP Certified Comps		Analytical Method: TO-15 Pace Analytical Services - Minneapolis							
2-Propanol		14.1	ug/m3	4.6	1.83		01/18/21 00:35	67-63-0	
Propylene		ND	ug/m3	0.64	1.83		01/18/21 00:35	115-07-1	
1,1,2-Trichlorotrifluoroethane		ND	ug/m3	2.9	1.83		01/18/21 00:35	76-13-1	

Sample: MPL001:VP86:SV122920		Lab ID: 10544534009		Collected: 12/29/20 11:17		Received: 01/11/21 09:00		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Method 3C AIR - Fixed Gases		Analytical Method: Method 3C Gases Pace Analytical Services - Minneapolis							
Helium	ND	%	3.6	1		01/12/21 11:16	7440-59-7		

TO15	Analytical Method: TO-15							
	Pace Analytical Services - Minneapolis							
Acetone	133	ug/m3	10.9	1.8		01/18/21 00:08	67-64-1	
Benzene	1.3	ug/m3	0.58	1.8		01/18/21 00:08	71-43-2	
Benzyl chloride	ND	ug/m3	4.7	1.8		01/18/21 00:08	100-44-7	
Bromodichloromethane	ND	ug/m3	2.4	1.8		01/18/21 00:08	75-27-4	
Bromoform	ND	ug/m3	9.4	1.8		01/18/21 00:08	75-25-2	
Bromomethane	ND	ug/m3	1.4	1.8		01/18/21 00:08	74-83-9	
1,3-Butadiene	ND	ug/m3	0.81	1.8		01/18/21 00:08	106-99-0	
2-Butanone (MEK)	10.9	ug/m3	5.4	1.8		01/18/21 00:08	78-93-3	
Carbon disulfide	ND	ug/m3	1.1	1.8		01/18/21 00:08	75-15-0	
Carbon tetrachloride	ND	ug/m3	2.3	1.8		01/18/21 00:08	56-23-5	
Chlorobenzene	ND	ug/m3	1.7	1.8		01/18/21 00:08	108-90-7	
Chloroethane	ND	ug/m3	0.96	1.8		01/18/21 00:08	75-00-3	
Chloroform	10.0	ug/m3	0.89	1.8		01/18/21 00:08	67-66-3	
Chloromethane	ND	ug/m3	0.76	1.8		01/18/21 00:08	74-87-3	
Cyclohexane	ND	ug/m3	3.2	1.8		01/18/21 00:08	110-82-7	
Dibromochloromethane	ND	ug/m3	3.1	1.8		01/18/21 00:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	1.4	1.8		01/18/21 00:08	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.2	1.8		01/18/21 00:08	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.2	1.8		01/18/21 00:08	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	5.5	1.8		01/18/21 00:08	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.8	1.8		01/18/21 00:08	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.5	1.8		01/18/21 00:08	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.74	1.8		01/18/21 00:08	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.5	1.8		01/18/21 00:08	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.5	1.8		01/18/21 00:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.5	1.8		01/18/21 00:08	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.7	1.8		01/18/21 00:08	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.7	1.8		01/18/21 00:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.7	1.8		01/18/21 00:08	10061-02-6	
Ethyl acetate	ND	ug/m3	1.3	1.8		01/18/21 00:08	141-78-6	

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ANALYTICAL RESULTS

Project: MPL001 27 FLD

Pace Project No.: 10544534

Sample: MPL001:VP86:SV122920		Lab ID: 10544534009		Collected: 12/29/20 11:17		Received: 01/11/21 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
Ethylbenzene	ND	ug/m3	1.6	1.8		01/18/21 00:08	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/m3	9.8	1.8		01/18/21 00:08	87-68-3		
n-Hexane	ND	ug/m3	1.3	1.8		01/18/21 00:08	110-54-3		
Methylene Chloride	ND	ug/m3	6.4	1.8		01/18/21 00:08	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.5	1.8		01/18/21 00:08	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.6	1.8		01/18/21 00:08	1634-04-4		
Naphthalene	ND	ug/m3	4.8	1.8		01/18/21 00:08	91-20-3		
Styrene	ND	ug/m3	1.6	1.8		01/18/21 00:08	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.8		01/18/21 00:08	79-34-5		
Tetrachloroethene	561	ug/m3	12.4	18		01/18/21 09:59	127-18-4		
Tetrahydrofuran	2.5	ug/m3	1.1	1.8		01/18/21 00:08	109-99-9		
Toluene	5.4	ug/m3	1.4	1.8		01/18/21 00:08	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	13.6	1.8		01/18/21 00:08	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	2.0	1.8		01/18/21 00:08	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	1.0	1.8		01/18/21 00:08	79-00-5		
Trichloroethene	167	ug/m3	0.98	1.8		01/18/21 00:08	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.1	1.8		01/18/21 00:08	75-69-4		
1,2,4-Trimethylbenzene	ND	ug/m3	1.8	1.8		01/18/21 00:08	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.8	1.8		01/18/21 00:08	108-67-8		
Vinyl acetate	ND	ug/m3	1.3	1.8		01/18/21 00:08	108-05-4		
Vinyl chloride	ND	ug/m3	0.47	1.8		01/18/21 00:08	75-01-4		
m&p-Xylene	ND	ug/m3	3.2	1.8		01/18/21 00:08	179601-23-1		
o-Xylene	ND	ug/m3	1.6	1.8		01/18/21 00:08	95-47-6		

TO15 Non VAP Certified Comps		Analytical Method: TO-15 Pace Analytical Services - Minneapolis						
Dichlorotetrafluoroethane	ND	ug/m3	2.6	1.8		01/18/21 00:08	76-14-2	
Ethanol	116	ug/m3	3.5	1.8		01/18/21 00:08	64-17-5	
4-Ethyltoluene	ND	ug/m3	4.5	1.8		01/18/21 00:08	622-96-8	
n-Heptane	1.5	ug/m3	1.5	1.8		01/18/21 00:08	142-82-5	
2-Hexanone	ND	ug/m3	7.5	1.8		01/18/21 00:08	591-78-6	
2-Propanol	12.2	ug/m3	4.5	1.8		01/18/21 00:08	67-63-0	
Propylene	ND	ug/m3	0.63	1.8		01/18/21 00:08	115-07-1	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.8	1.8		01/18/21 00:08	76-13-1	

Sample: MPL001:VP87:SV122920		Lab ID: 10544534010		Collected: 12/29/20 11:38		Received: 01/11/21 09:00		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Method 3C AIR - Fixed Gases		Analytical Method: Method 3C Gases Pace Analytical Services - Minneapolis							
Helium	ND	%	3.6	1		01/13/21 07:39	7440-59-7		

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ANALYTICAL RESULTS

Project: MPL001 27 FLD

Pace Project No.: 10544534

Sample: MPL001:VP87:SV122920		Lab ID: 10544534010		Collected: 12/29/20 11:38		Received: 01/11/21 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
Acetone	54.6	ug/m3	10.7	1.77		01/17/21 23:41	67-64-1		
Benzene	ND	ug/m3	0.58	1.77		01/17/21 23:41	71-43-2		
Benzyl chloride	ND	ug/m3	4.7	1.77		01/17/21 23:41	100-44-7		
Bromodichloromethane	ND	ug/m3	2.4	1.77		01/17/21 23:41	75-27-4		
Bromoform	ND	ug/m3	9.3	1.77		01/17/21 23:41	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.77		01/17/21 23:41	74-83-9		
1,3-Butadiene	ND	ug/m3	0.80	1.77		01/17/21 23:41	106-99-0		
2-Butanone (MEK)	10.9	ug/m3	5.3	1.77		01/17/21 23:41	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.77		01/17/21 23:41	75-15-0		
Carbon tetrachloride	ND	ug/m3	2.3	1.77		01/17/21 23:41	56-23-5		
Chlorobenzene	ND	ug/m3	1.7	1.77		01/17/21 23:41	108-90-7		
Chloroethane	ND	ug/m3	0.95	1.77		01/17/21 23:41	75-00-3		
Chloroform	ND	ug/m3	0.88	1.77		01/17/21 23:41	67-66-3		
Chloromethane	ND	ug/m3	0.74	1.77		01/17/21 23:41	74-87-3		
Cyclohexane	ND	ug/m3	3.1	1.77		01/17/21 23:41	110-82-7		
Dibromochloromethane	ND	ug/m3	3.1	1.77		01/17/21 23:41	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	1.4	1.77		01/17/21 23:41	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.2	1.77		01/17/21 23:41	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.2	1.77		01/17/21 23:41	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	5.4	1.77		01/17/21 23:41	106-46-7		
Dichlorodifluoromethane	2.3	ug/m3	1.8	1.77		01/17/21 23:41	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.5	1.77		01/17/21 23:41	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.73	1.77		01/17/21 23:41	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.77		01/17/21 23:41	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.77		01/17/21 23:41	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.77		01/17/21 23:41	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.7	1.77		01/17/21 23:41	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.6	1.77		01/17/21 23:41	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.6	1.77		01/17/21 23:41	10061-02-6		
Ethyl acetate	ND	ug/m3	1.3	1.77		01/17/21 23:41	141-78-6		
Ethylbenzene	ND	ug/m3	1.6	1.77		01/17/21 23:41	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/m3	9.6	1.77		01/17/21 23:41	87-68-3		
n-Hexane	ND	ug/m3	1.3	1.77		01/17/21 23:41	110-54-3		
Methylene Chloride	ND	ug/m3	6.2	1.77		01/17/21 23:41	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.4	1.77		01/17/21 23:41	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.5	1.77		01/17/21 23:41	1634-04-4		
Naphthalene	ND	ug/m3	4.7	1.77		01/17/21 23:41	91-20-3		
Styrene	ND	ug/m3	1.5	1.77		01/17/21 23:41	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.77		01/17/21 23:41	79-34-5		
Tetrachloroethene	302	ug/m3	1.2	1.77		01/17/21 23:41	127-18-4		
Tetrahydrofuran	2.1	ug/m3	1.1	1.77		01/17/21 23:41	109-99-9		
Toluene	ND	ug/m3	1.4	1.77		01/17/21 23:41	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	13.3	1.77		01/17/21 23:41	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	2.0	1.77		01/17/21 23:41	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.98	1.77		01/17/21 23:41	79-00-5		
Trichloroethene	2.4	ug/m3	0.97	1.77		01/17/21 23:41	79-01-6		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MPL001 27 FLD

Pace Project No.: 10544534

Sample: MPL001:VP87:SV122920		Lab ID: 10544534010		Collected: 12/29/20 11:38		Received: 01/11/21 09:00		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15		Analytical Method: TO-15 Pace Analytical Services - Minneapolis							
Trichlorofluoromethane		ND	ug/m3	2.0	1.77		01/17/21 23:41	75-69-4	
1,2,4-Trimethylbenzene		ND	ug/m3	1.8	1.77		01/17/21 23:41	95-63-6	
1,3,5-Trimethylbenzene		ND	ug/m3	1.8	1.77		01/17/21 23:41	108-67-8	
Vinyl acetate		ND	ug/m3	1.3	1.77		01/17/21 23:41	108-05-4	
Vinyl chloride		ND	ug/m3	0.46	1.77		01/17/21 23:41	75-01-4	
m&p-Xylene		ND	ug/m3	3.1	1.77		01/17/21 23:41	179601-23-1	
o-Xylene		ND	ug/m3	1.6	1.77		01/17/21 23:41	95-47-6	

TO15 Non VAP Certified Comps		Analytical Method: TO-15 Pace Analytical Services - Minneapolis						
Dichlorotetrafluoroethane	ND	ug/m3	2.5	1.77		01/17/21 23:41	76-14-2	
Ethanol	65.8	ug/m3	3.4	1.77		01/17/21 23:41	64-17-5	
4-Ethyltoluene	ND	ug/m3	4.4	1.77		01/17/21 23:41	622-96-8	
n-Heptane	ND	ug/m3	1.5	1.77		01/17/21 23:41	142-82-5	
2-Hexanone	ND	ug/m3	7.4	1.77		01/17/21 23:41	591-78-6	
2-Propanol	5.0	ug/m3	4.4	1.77		01/17/21 23:41	67-63-0	
Propylene	ND	ug/m3	0.62	1.77		01/17/21 23:41	115-07-1	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.8	1.77		01/17/21 23:41	76-13-1	

Sample: MPL001:VP88:SV122920		Lab ID: 10544534011		Collected: 12/29/20 12:05		Received: 01/11/21 09:00		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Method 3C AIR - Fixed Gases		Analytical Method: Method 3C Gases Pace Analytical Services - Minneapolis							
Helium	ND	%	3.6	1			01/13/21 07:48	7440-59-7	
TO15		Analytical Method: TO-15 Pace Analytical Services - Minneapolis							
Acetone	99.1	ug/m3	11.5	1.9			01/17/21 23:14	67-64-1	
Benzene	2.3	ug/m3	0.62	1.9			01/17/21 23:14	71-43-2	
Benzyl chloride	ND	ug/m3	5.0	1.9			01/17/21 23:14	100-44-7	
Bromodichloromethane	ND	ug/m3	2.6	1.9			01/17/21 23:14	75-27-4	
Bromoform	ND	ug/m3	10	1.9			01/17/21 23:14	75-25-2	
Bromomethane	ND	ug/m3	1.5	1.9			01/17/21 23:14	74-83-9	
1,3-Butadiene	ND	ug/m3	0.86	1.9			01/17/21 23:14	106-99-0	
2-Butanone (MEK)	15.7	ug/m3	5.7	1.9			01/17/21 23:14	78-93-3	
Carbon disulfide	2.8	ug/m3	1.2	1.9			01/17/21 23:14	75-15-0	
Carbon tetrachloride	ND	ug/m3	2.4	1.9			01/17/21 23:14	56-23-5	
Chlorobenzene	ND	ug/m3	1.8	1.9			01/17/21 23:14	108-90-7	
Chloroethane	ND	ug/m3	1.0	1.9			01/17/21 23:14	75-00-3	
Chloroform	ND	ug/m3	0.94	1.9			01/17/21 23:14	67-66-3	
Chloromethane	ND	ug/m3	0.80	1.9			01/17/21 23:14	74-87-3	
Cyclohexane	ND	ug/m3	3.3	1.9			01/17/21 23:14	110-82-7	

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ANALYTICAL RESULTS

Project: MPL001 27 FLD

Pace Project No.: 10544534

Sample: MPL001:VP88:SV122920		Lab ID: 10544534011		Collected: 12/29/20 12:05		Received: 01/11/21 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
Dibromochloromethane	ND	ug/m3	3.3	1.9		01/17/21 23:14	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	1.5	1.9		01/17/21 23:14	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.3	1.9		01/17/21 23:14	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.3	1.9		01/17/21 23:14	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	5.8	1.9		01/17/21 23:14	106-46-7		
Dichlorodifluoromethane	2.0	ug/m3	1.9	1.9		01/17/21 23:14	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.6	1.9		01/17/21 23:14	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.78	1.9		01/17/21 23:14	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.5	1.9		01/17/21 23:14	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.5	1.9		01/17/21 23:14	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.5	1.9		01/17/21 23:14	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.8	1.9		01/17/21 23:14	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.8	1.9		01/17/21 23:14	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.8	1.9		01/17/21 23:14	10061-02-6		
Ethyl acetate	ND	ug/m3	1.4	1.9		01/17/21 23:14	141-78-6		
Ethylbenzene	ND	ug/m3	1.7	1.9		01/17/21 23:14	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/m3	10.3	1.9		01/17/21 23:14	87-68-3		
n-Hexane	ND	ug/m3	1.4	1.9		01/17/21 23:14	110-54-3		
Methylene Chloride	ND	ug/m3	6.7	1.9		01/17/21 23:14	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.9	1.9		01/17/21 23:14	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	7.0	1.9		01/17/21 23:14	1634-04-4		
Naphthalene	ND	ug/m3	5.1	1.9		01/17/21 23:14	91-20-3		
Styrene	ND	ug/m3	1.6	1.9		01/17/21 23:14	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.9		01/17/21 23:14	79-34-5		
Tetrachloroethene	35.1	ug/m3	1.3	1.9		01/17/21 23:14	127-18-4		
Tetrahydrofuran	4.8	ug/m3	1.1	1.9		01/17/21 23:14	109-99-9		
Toluene	4.5	ug/m3	1.5	1.9		01/17/21 23:14	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	14.3	1.9		01/17/21 23:14	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	2.1	1.9		01/17/21 23:14	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	1.1	1.9		01/17/21 23:14	79-00-5		
Trichloroethene	ND	ug/m3	1.0	1.9		01/17/21 23:14	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.2	1.9		01/17/21 23:14	75-69-4		
1,2,4-Trimethylbenzene	ND	ug/m3	1.9	1.9		01/17/21 23:14	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.9	1.9		01/17/21 23:14	108-67-8		
Vinyl acetate	ND	ug/m3	1.4	1.9		01/17/21 23:14	108-05-4		
Vinyl chloride	ND	ug/m3	0.49	1.9		01/17/21 23:14	75-01-4		
m&p-Xylene	ND	ug/m3	3.4	1.9		01/17/21 23:14	179601-23-1		
o-Xylene	ND	ug/m3	1.7	1.9		01/17/21 23:14	95-47-6		
TO15 Non VAP Certified Comps	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
Dichlorotetrafluoroethane	ND	ug/m3	2.7	1.9		01/17/21 23:14	76-14-2		
Ethanol	120	ug/m3	3.6	1.9		01/17/21 23:14	64-17-5		
4-Ethyltoluene	ND	ug/m3	4.8	1.9		01/17/21 23:14	622-96-8		
n-Heptane	1.6	ug/m3	1.6	1.9		01/17/21 23:14	142-82-5		
2-Hexanone	ND	ug/m3	7.9	1.9		01/17/21 23:14	591-78-6		

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ANALYTICAL RESULTS

Project: MPL001 27 FLD

Pace Project No.: 10544534

Sample: MPL001:VP88:SV122920		Lab ID: 10544534011		Collected: 12/29/20 12:05		Received: 01/11/21 09:00		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 Non VAP Certified Comps		Analytical Method: TO-15 Pace Analytical Services - Minneapolis							
2-Propanol		12.7	ug/m3	4.8	1.9		01/17/21 23:14	67-63-0	
Propylene		ND	ug/m3	0.66	1.9		01/17/21 23:14	115-07-1	
1,1,2-Trichlorotrifluoroethane		ND	ug/m3	3.0	1.9		01/17/21 23:14	76-13-1	

Sample: MPL001:AI85:AI122920		Lab ID: 10544534012		Collected: 12/29/20 12:49		Received: 01/11/21 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
Acetone	ND	ug/m3	9.4	1.55		01/17/21 22:47	67-64-1		
Benzene	1.1	ug/m3	0.50	1.55		01/17/21 22:47	71-43-2		
Benzyl chloride	ND	ug/m3	4.1	1.55		01/17/21 22:47	100-44-7		
Bromodichloromethane	ND	ug/m3	2.1	1.55		01/17/21 22:47	75-27-4		
Bromoform	ND	ug/m3	8.1	1.55		01/17/21 22:47	75-25-2		
Bromomethane	ND	ug/m3	1.2	1.55		01/17/21 22:47	74-83-9		
1,3-Butadiene	ND	ug/m3	0.70	1.55		01/17/21 22:47	106-99-0		
2-Butanone (MEK)	ND	ug/m3	4.6	1.55		01/17/21 22:47	78-93-3		
Carbon disulfide	ND	ug/m3	0.98	1.55		01/17/21 22:47	75-15-0		
Carbon tetrachloride	ND	ug/m3	2.0	1.55		01/17/21 22:47	56-23-5		
Chlorobenzene	ND	ug/m3	1.5	1.55		01/17/21 22:47	108-90-7		
Chloroethane	ND	ug/m3	0.83	1.55		01/17/21 22:47	75-00-3		
Chloroform	ND	ug/m3	0.77	1.55		01/17/21 22:47	67-66-3		
Chloromethane	1.0	ug/m3	0.65	1.55		01/17/21 22:47	74-87-3		
Cyclohexane	ND	ug/m3	2.7	1.55		01/17/21 22:47	110-82-7		
Dibromochloromethane	ND	ug/m3	2.7	1.55		01/17/21 22:47	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	1.2	1.55		01/17/21 22:47	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	1.9	1.55		01/17/21 22:47	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	1.9	1.55		01/17/21 22:47	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	4.7	1.55		01/17/21 22:47	106-46-7		
Dichlorodifluoromethane	2.2	ug/m3	1.6	1.55		01/17/21 22:47	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.3	1.55		01/17/21 22:47	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.64	1.55		01/17/21 22:47	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.2	1.55		01/17/21 22:47	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.2	1.55		01/17/21 22:47	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.2	1.55		01/17/21 22:47	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.5	1.55		01/17/21 22:47	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.4	1.55		01/17/21 22:47	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.4	1.55		01/17/21 22:47	10061-02-6		
Ethyl acetate	ND	ug/m3	1.1	1.55		01/17/21 22:47	141-78-6		
Ethylbenzene	ND	ug/m3	1.4	1.55		01/17/21 22:47	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/m3	8.4	1.55		01/17/21 22:47	87-68-3		
n-Hexane	ND	ug/m3	1.1	1.55		01/17/21 22:47	110-54-3		
Methylene Chloride	ND	ug/m3	5.5	1.55		01/17/21 22:47	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.4	1.55		01/17/21 22:47	108-10-1		

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ANALYTICAL RESULTS

Project: MPL001 27 FLD

Pace Project No.: 10544534

Sample: MPL001:AI85:AI122920		Lab ID: 10544534012		Collected: 12/29/20 12:49		Received: 01/11/21 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
Methyl-tert-butyl ether	ND	ug/m3	5.7	1.55		01/17/21 22:47	1634-04-4		
Naphthalene	ND	ug/m3	4.1	1.55		01/17/21 22:47	91-20-3		
Styrene	ND	ug/m3	1.3	1.55		01/17/21 22:47	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.1	1.55		01/17/21 22:47	79-34-5		
Tetrachloroethene	ND	ug/m3	1.1	1.55		01/17/21 22:47	127-18-4		
Tetrahydrofuran	ND	ug/m3	0.93	1.55		01/17/21 22:47	109-99-9		
Toluene	ND	ug/m3	1.2	1.55		01/17/21 22:47	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	11.7	1.55		01/17/21 22:47	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.7	1.55		01/17/21 22:47	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.86	1.55		01/17/21 22:47	79-00-5		
Trichloroethene	ND	ug/m3	0.85	1.55		01/17/21 22:47	79-01-6		
Trichlorofluoromethane	ND	ug/m3	1.8	1.55		01/17/21 22:47	75-69-4		
1,2,4-Trimethylbenzene	ND	ug/m3	1.5	1.55		01/17/21 22:47	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.5	1.55		01/17/21 22:47	108-67-8		
Vinyl acetate	ND	ug/m3	1.1	1.55		01/17/21 22:47	108-05-4		
Vinyl chloride	ND	ug/m3	0.40	1.55		01/17/21 22:47	75-01-4		
m&p-Xylene	ND	ug/m3	2.7	1.55		01/17/21 22:47	179601-23-1		
o-Xylene	ND	ug/m3	1.4	1.55		01/17/21 22:47	95-47-6		

TO15 Non VAP Certified Comps		Analytical Method: TO-15 Pace Analytical Services - Minneapolis						
Dichlorotetrafluoroethane	ND	ug/m3	2.2	1.55		01/17/21 22:47	76-14-2	
Ethanol	146	ug/m3	3.0	1.55		01/17/21 22:47	64-17-5	
4-Ethyltoluene	ND	ug/m3	3.9	1.55		01/17/21 22:47	622-96-8	
n-Heptane	ND	ug/m3	1.3	1.55		01/17/21 22:47	142-82-5	
2-Hexanone	ND	ug/m3	6.4	1.55		01/17/21 22:47	591-78-6	
2-Propanol	7.6	ug/m3	3.9	1.55		01/17/21 22:47	67-63-0	
Propylene	ND	ug/m3	0.54	1.55		01/17/21 22:47	115-07-1	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.4	1.55		01/17/21 22:47	76-13-1	

Sample: MPL001:AI86:AI122920		Lab ID: 10544534013		Collected: 12/29/20 12:52		Received: 01/11/21 09:00		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15		Analytical Method: TO-15							
		Pace Analytical Services - Minneapolis							
Acetone	15.4	ug/m3	10.1	1.68			01/17/21 22:19	67-64-1	
Benzene	0.63	ug/m3	0.55	1.68			01/17/21 22:19	71-43-2	
Benzyl chloride	ND	ug/m3	4.4	1.68			01/17/21 22:19	100-44-7	
Bromodichloromethane	ND	ug/m3	2.3	1.68			01/17/21 22:19	75-27-4	
Bromoform	ND	ug/m3	8.8	1.68			01/17/21 22:19	75-25-2	
Bromomethane	ND	ug/m3	1.3	1.68			01/17/21 22:19	74-83-9	
1,3-Butadiene	ND	ug/m3	0.76	1.68			01/17/21 22:19	106-99-0	
2-Butanone (MEK)	ND	ug/m3	5.0	1.68			01/17/21 22:19	78-93-3	

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ANALYTICAL RESULTS

Project: MPL001 27 FLD

Pace Project No.: 10544534

Sample: MPL001:AI86:AI122920		Lab ID: 10544534013		Collected: 12/29/20 12:52		Received: 01/11/21 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
Carbon disulfide	ND	ug/m3	1.1	1.68		01/17/21 22:19	75-15-0		
Carbon tetrachloride	ND	ug/m3	2.2	1.68		01/17/21 22:19	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.68		01/17/21 22:19	108-90-7		
Chloroethane	ND	ug/m3	0.90	1.68		01/17/21 22:19	75-00-3		
Chloroform	ND	ug/m3	0.83	1.68		01/17/21 22:19	67-66-3		
Chloromethane	2.0	ug/m3	0.71	1.68		01/17/21 22:19	74-87-3		
Cyclohexane	ND	ug/m3	2.9	1.68		01/17/21 22:19	110-82-7		
Dibromochloromethane	ND	ug/m3	2.9	1.68		01/17/21 22:19	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	1.3	1.68		01/17/21 22:19	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.0	1.68		01/17/21 22:19	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.68		01/17/21 22:19	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	5.1	1.68		01/17/21 22:19	106-46-7		
Dichlorodifluoromethane	2.3	ug/m3	1.7	1.68		01/17/21 22:19	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.68		01/17/21 22:19	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.69	1.68		01/17/21 22:19	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.68		01/17/21 22:19	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		01/17/21 22:19	156-59-2		
trans-1,2-Dichloroethene	5.0	ug/m3	1.4	1.68		01/17/21 22:19	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.68		01/17/21 22:19	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.6	1.68		01/17/21 22:19	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.6	1.68		01/17/21 22:19	10061-02-6		
Ethyl acetate	ND	ug/m3	1.2	1.68		01/17/21 22:19	141-78-6		
Ethylbenzene	ND	ug/m3	1.5	1.68		01/17/21 22:19	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/m3	9.1	1.68		01/17/21 22:19	87-68-3		
n-Hexane	ND	ug/m3	1.2	1.68		01/17/21 22:19	110-54-3		
Methylene Chloride	ND	ug/m3	5.9	1.68		01/17/21 22:19	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.0	1.68		01/17/21 22:19	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.1	1.68		01/17/21 22:19	1634-04-4		
Naphthalene	ND	ug/m3	4.5	1.68		01/17/21 22:19	91-20-3		
Styrene	ND	ug/m3	1.5	1.68		01/17/21 22:19	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.68		01/17/21 22:19	79-34-5		
Tetrachloroethene	ND	ug/m3	1.2	1.68		01/17/21 22:19	127-18-4		
Tetrahydrofuran	ND	ug/m3	1.0	1.68		01/17/21 22:19	109-99-9		
Toluene	ND	ug/m3	1.3	1.68		01/17/21 22:19	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	12.7	1.68		01/17/21 22:19	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.68		01/17/21 22:19	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.93	1.68		01/17/21 22:19	79-00-5		
Trichloroethene	ND	ug/m3	0.92	1.68		01/17/21 22:19	79-01-6		
Trichlorofluoromethane	ND	ug/m3	1.9	1.68		01/17/21 22:19	75-69-4		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.68		01/17/21 22:19	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.68		01/17/21 22:19	108-67-8		
Vinyl acetate	ND	ug/m3	1.2	1.68		01/17/21 22:19	108-05-4		
Vinyl chloride	ND	ug/m3	0.44	1.68		01/17/21 22:19	75-01-4		
m&p-Xylene	ND	ug/m3	3.0	1.68		01/17/21 22:19	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.68		01/17/21 22:19	95-47-6		

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ANALYTICAL RESULTS

Project: MPL001 27 FLD

Pace Project No.: 10544534

Sample: MPL001:AI86:AI122920		Lab ID: 10544534013		Collected: 12/29/20 12:52		Received: 01/11/21 09:00		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 Non VAP Certified Comps		Analytical Method: TO-15 Pace Analytical Services - Minneapolis							
Dichlorotetrafluoroethane	ND	ug/m3	2.4	1.68		01/17/21 22:19	76-14-2		
Ethanol	25.8	ug/m3	3.2	1.68		01/17/21 22:19	64-17-5		
4-Ethyltoluene	ND	ug/m3	4.2	1.68		01/17/21 22:19	622-96-8		
n-Heptane	ND	ug/m3	1.4	1.68		01/17/21 22:19	142-82-5		
2-Hexanone	ND	ug/m3	7.0	1.68		01/17/21 22:19	591-78-6		
2-Propanol	ND	ug/m3	4.2	1.68		01/17/21 22:19	67-63-0		
Propylene	ND	ug/m3	0.59	1.68		01/17/21 22:19	115-07-1		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.6	1.68		01/17/21 22:19	76-13-1		

Sample: MPL001:AI87:AI122920		Lab ID: 10544534014		Collected: 12/29/20 12:54		Received: 01/11/21 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
Acetone	19.5	ug/m3	9.4	1.55		01/17/21 21:52	67-64-1		
Benzene	0.59	ug/m3	0.50	1.55		01/17/21 21:52	71-43-2		
Benzyl chloride	ND	ug/m3	4.1	1.55		01/17/21 21:52	100-44-7		
Bromodichloromethane	ND	ug/m3	2.1	1.55		01/17/21 21:52	75-27-4		
Bromoform	ND	ug/m3	8.1	1.55		01/17/21 21:52	75-25-2		
Bromomethane	ND	ug/m3	1.2	1.55		01/17/21 21:52	74-83-9		
1,3-Butadiene	ND	ug/m3	0.70	1.55		01/17/21 21:52	106-99-0		
2-Butanone (MEK)	6.9	ug/m3	4.6	1.55		01/17/21 21:52	78-93-3		
Carbon disulfide	ND	ug/m3	0.98	1.55		01/17/21 21:52	75-15-0		
Carbon tetrachloride	ND	ug/m3	2.0	1.55		01/17/21 21:52	56-23-5		
Chlorobenzene	ND	ug/m3	1.5	1.55		01/17/21 21:52	108-90-7		
Chloroethane	ND	ug/m3	0.83	1.55		01/17/21 21:52	75-00-3		
Chloroform	ND	ug/m3	0.77	1.55		01/17/21 21:52	67-66-3		
Chloromethane	0.87	ug/m3	0.65	1.55		01/17/21 21:52	74-87-3		
Cyclohexane	ND	ug/m3	2.7	1.55		01/17/21 21:52	110-82-7		
Dibromochloromethane	ND	ug/m3	2.7	1.55		01/17/21 21:52	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	1.2	1.55		01/17/21 21:52	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	1.9	1.55		01/17/21 21:52	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	1.9	1.55		01/17/21 21:52	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	4.7	1.55		01/17/21 21:52	106-46-7		
Dichlorodifluoromethane	2.1	ug/m3	1.6	1.55		01/17/21 21:52	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.3	1.55		01/17/21 21:52	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.64	1.55		01/17/21 21:52	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.2	1.55		01/17/21 21:52	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.2	1.55		01/17/21 21:52	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.2	1.55		01/17/21 21:52	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.5	1.55		01/17/21 21:52	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.4	1.55		01/17/21 21:52	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.4	1.55		01/17/21 21:52	10061-02-6		
Ethyl acetate	ND	ug/m3	1.1	1.55		01/17/21 21:52	141-78-6		

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ANALYTICAL RESULTS

Project: MPL001 27 FLD

Pace Project No.: 10544534

Sample: MPL001:AI87:AI122920		Lab ID: 10544534014		Collected: 12/29/20 12:54		Received: 01/11/21 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
Ethylbenzene	ND	ug/m3	1.4	1.55		01/17/21 21:52	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/m3	8.4	1.55		01/17/21 21:52	87-68-3		
n-Hexane	ND	ug/m3	1.1	1.55		01/17/21 21:52	110-54-3		
Methylene Chloride	ND	ug/m3	5.5	1.55		01/17/21 21:52	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.4	1.55		01/17/21 21:52	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	5.7	1.55		01/17/21 21:52	1634-04-4		
Naphthalene	ND	ug/m3	4.1	1.55		01/17/21 21:52	91-20-3		
Styrene	ND	ug/m3	1.3	1.55		01/17/21 21:52	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.1	1.55		01/17/21 21:52	79-34-5		
Tetrachloroethene	ND	ug/m3	1.1	1.55		01/17/21 21:52	127-18-4		
Tetrahydrofuran	ND	ug/m3	0.93	1.55		01/17/21 21:52	109-99-9		
Toluene	ND	ug/m3	1.2	1.55		01/17/21 21:52	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	11.7	1.55		01/17/21 21:52	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.7	1.55		01/17/21 21:52	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.86	1.55		01/17/21 21:52	79-00-5		
Trichloroethene	ND	ug/m3	0.85	1.55		01/17/21 21:52	79-01-6		
Trichlorofluoromethane	4.1	ug/m3	1.8	1.55		01/17/21 21:52	75-69-4		
1,2,4-Trimethylbenzene	ND	ug/m3	1.5	1.55		01/17/21 21:52	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.5	1.55		01/17/21 21:52	108-67-8		
Vinyl acetate	ND	ug/m3	1.1	1.55		01/17/21 21:52	108-05-4		
Vinyl chloride	ND	ug/m3	0.40	1.55		01/17/21 21:52	75-01-4		
m&p-Xylene	ND	ug/m3	2.7	1.55		01/17/21 21:52	179601-23-1		
o-Xylene	ND	ug/m3	1.4	1.55		01/17/21 21:52	95-47-6		

TO15 Non VAP Certified Comps		Analytical Method: TO-15 Pace Analytical Services - Minneapolis						
Dichlorotetrafluoroethane	ND	ug/m3	2.2	1.55		01/17/21 21:52	76-14-2	
Ethanol	29.2	ug/m3	3.0	1.55		01/17/21 21:52	64-17-5	
4-Ethyltoluene	ND	ug/m3	3.9	1.55		01/17/21 21:52	622-96-8	
n-Heptane	ND	ug/m3	1.3	1.55		01/17/21 21:52	142-82-5	
2-Hexanone	ND	ug/m3	6.4	1.55		01/17/21 21:52	591-78-6	
2-Propanol	13.4	ug/m3	3.9	1.55		01/17/21 21:52	67-63-0	
Propylene	ND	ug/m3	0.54	1.55		01/17/21 21:52	115-07-1	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.4	1.55		01/17/21 21:52	76-13-1	

Sample: MPL001:AI88:AI122920		Lab ID: 10544534015		Collected: 12/29/20 13:21		Received: 01/11/21 09:00		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15		Analytical Method: TO-15 Pace Analytical Services - Minneapolis							
Acetone		ND	ug/m3	9.4	1.55		01/17/21 21:24	67-64-1	
Benzene		0.64	ug/m3	0.50	1.55		01/17/21 21:24	71-43-2	
Benzyl chloride		ND	ug/m3	4.1	1.55		01/17/21 21:24	100-44-7	

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ANALYTICAL RESULTS

Project: MPL001 27 FLD

Pace Project No.: 10544534

Sample: MPL001:AI88:AI122920		Lab ID: 10544534015		Collected: 12/29/20 13:21		Received: 01/11/21 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
Bromodichloromethane	ND	ug/m3	2.1	1.55		01/17/21 21:24	75-27-4		
Bromoform	ND	ug/m3	8.1	1.55		01/17/21 21:24	75-25-2		
Bromomethane	ND	ug/m3	1.2	1.55		01/17/21 21:24	74-83-9		
1,3-Butadiene	ND	ug/m3	0.70	1.55		01/17/21 21:24	106-99-0		
2-Butanone (MEK)	ND	ug/m3	4.6	1.55		01/17/21 21:24	78-93-3		
Carbon disulfide	ND	ug/m3	0.98	1.55		01/17/21 21:24	75-15-0		
Carbon tetrachloride	ND	ug/m3	2.0	1.55		01/17/21 21:24	56-23-5		
Chlorobenzene	ND	ug/m3	1.5	1.55		01/17/21 21:24	108-90-7		
Chloroethane	ND	ug/m3	0.83	1.55		01/17/21 21:24	75-00-3		
Chloroform	ND	ug/m3	0.77	1.55		01/17/21 21:24	67-66-3		
Chloromethane	0.70	ug/m3	0.65	1.55		01/17/21 21:24	74-87-3		
Cyclohexane	ND	ug/m3	2.7	1.55		01/17/21 21:24	110-82-7		
Dibromochloromethane	ND	ug/m3	2.7	1.55		01/17/21 21:24	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	1.2	1.55		01/17/21 21:24	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	1.9	1.55		01/17/21 21:24	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	1.9	1.55		01/17/21 21:24	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	4.7	1.55		01/17/21 21:24	106-46-7		
Dichlorodifluoromethane	2.2	ug/m3	1.6	1.55		01/17/21 21:24	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.3	1.55		01/17/21 21:24	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.64	1.55		01/17/21 21:24	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.2	1.55		01/17/21 21:24	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.2	1.55		01/17/21 21:24	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.2	1.55		01/17/21 21:24	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.5	1.55		01/17/21 21:24	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.4	1.55		01/17/21 21:24	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.4	1.55		01/17/21 21:24	10061-02-6		
Ethyl acetate	ND	ug/m3	1.1	1.55		01/17/21 21:24	141-78-6		
Ethylbenzene	ND	ug/m3	1.4	1.55		01/17/21 21:24	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/m3	8.4	1.55		01/17/21 21:24	87-68-3		
n-Hexane	ND	ug/m3	1.1	1.55		01/17/21 21:24	110-54-3		
Methylene Chloride	ND	ug/m3	5.5	1.55		01/17/21 21:24	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.4	1.55		01/17/21 21:24	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	5.7	1.55		01/17/21 21:24	1634-04-4		
Naphthalene	ND	ug/m3	4.1	1.55		01/17/21 21:24	91-20-3		
Styrene	ND	ug/m3	1.3	1.55		01/17/21 21:24	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.1	1.55		01/17/21 21:24	79-34-5		
Tetrachloroethene	ND	ug/m3	1.1	1.55		01/17/21 21:24	127-18-4		
Tetrahydrofuran	ND	ug/m3	0.93	1.55		01/17/21 21:24	109-99-9		
Toluene	ND	ug/m3	1.2	1.55		01/17/21 21:24	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	11.7	1.55		01/17/21 21:24	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.7	1.55		01/17/21 21:24	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.86	1.55		01/17/21 21:24	79-00-5		
Trichloroethene	ND	ug/m3	0.85	1.55		01/17/21 21:24	79-01-6		
Trichlorofluoromethane	ND	ug/m3	1.8	1.55		01/17/21 21:24	75-69-4		
1,2,4-Trimethylbenzene	ND	ug/m3	1.5	1.55		01/17/21 21:24	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.5	1.55		01/17/21 21:24	108-67-8		

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ANALYTICAL RESULTS

Project: MPL001 27 FLD

Pace Project No.: 10544534

Sample: MPL001:AI88:AI122920		Lab ID: 10544534015		Collected: 12/29/20 13:21		Received: 01/11/21 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
	Vinyl acetate	ND	ug/m3	1.1	1.55	01/17/21 21:24	108-05-4		
	Vinyl chloride	ND	ug/m3	0.40	1.55	01/17/21 21:24	75-01-4		
	m&p-Xylene	ND	ug/m3	2.7	1.55	01/17/21 21:24	179601-23-1		
o-Xylene	ND	ug/m3	1.4	1.55	01/17/21 21:24	95-47-6			
TO15 Non VAP Certified Comps	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
	Dichlorotetrafluoroethane	ND	ug/m3	2.2	1.55	01/17/21 21:24	76-14-2		
	Ethanol	45.4	ug/m3	3.0	1.55	01/17/21 21:24	64-17-5		
	4-Ethyltoluene	ND	ug/m3	3.9	1.55	01/17/21 21:24	622-96-8		
	n-Heptane	ND	ug/m3	1.3	1.55	01/17/21 21:24	142-82-5		
	2-Hexanone	ND	ug/m3	6.4	1.55	01/17/21 21:24	591-78-6		
	2-Propanol	17.7	ug/m3	3.9	1.55	01/17/21 21:24	67-63-0		
	Propylene	ND	ug/m3	0.54	1.55	01/17/21 21:24	115-07-1		
	1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.4	1.55	01/17/21 21:24	76-13-1		

Sample: MPL001:AA81:AA122920		Lab ID: 10544534016		Collected: 12/29/20 13:32		Received: 01/11/21 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
Acetone	ND	ug/m3	8.7	1.44		01/17/21 20:57	67-64-1		
Benzene	0.61	ug/m3	0.47	1.44		01/17/21 20:57	71-43-2		
Benzyl chloride	ND	ug/m3	3.8	1.44		01/17/21 20:57	100-44-7		
Bromodichloromethane	ND	ug/m3	2.0	1.44		01/17/21 20:57	75-27-4		
Bromoform	ND	ug/m3	7.6	1.44		01/17/21 20:57	75-25-2		
Bromomethane	ND	ug/m3	1.1	1.44		01/17/21 20:57	74-83-9		
1,3-Butadiene	ND	ug/m3	0.65	1.44		01/17/21 20:57	106-99-0		
2-Butanone (MEK)	ND	ug/m3	4.3	1.44		01/17/21 20:57	78-93-3		
Carbon disulfide	ND	ug/m3	0.91	1.44		01/17/21 20:57	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.8	1.44		01/17/21 20:57	56-23-5		
Chlorobenzene	ND	ug/m3	1.3	1.44		01/17/21 20:57	108-90-7		
Chloroethane	ND	ug/m3	0.77	1.44		01/17/21 20:57	75-00-3		
Chloroform	ND	ug/m3	0.71	1.44		01/17/21 20:57	67-66-3		
Chloromethane	0.76	ug/m3	0.60	1.44		01/17/21 20:57	74-87-3		
Cyclohexane	ND	ug/m3	2.5	1.44		01/17/21 20:57	110-82-7		
Dibromochloromethane	ND	ug/m3	2.5	1.44		01/17/21 20:57	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	1.1	1.44		01/17/21 20:57	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	1.8	1.44		01/17/21 20:57	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	1.8	1.44		01/17/21 20:57	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	4.4	1.44		01/17/21 20:57	106-46-7		
Dichlorodifluoromethane	2.1	ug/m3	1.5	1.44		01/17/21 20:57	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.2	1.44		01/17/21 20:57	75-34-3		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MPL001 27 FLD

Pace Project No.: 10544534

Sample: MPL001:AA81:AA122920 **Lab ID:** 10544534016 **Collected:** 12/29/20 13:32 **Received:** 01/11/21 09:00 **Matrix:** Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15								
Analytical Method: TO-15								
Pace Analytical Services - Minneapolis								
1,2-Dichloroethane	ND	ug/m3	0.59	1.44		01/17/21 20:57	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.2	1.44		01/17/21 20:57	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.2	1.44		01/17/21 20:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.2	1.44		01/17/21 20:57	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.4	1.44		01/17/21 20:57	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.3	1.44		01/17/21 20:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.3	1.44		01/17/21 20:57	10061-02-6	
Ethyl acetate	ND	ug/m3	1.1	1.44		01/17/21 20:57	141-78-6	
Ethylbenzene	ND	ug/m3	1.3	1.44		01/17/21 20:57	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/m3	7.8	1.44		01/17/21 20:57	87-68-3	
n-Hexane	ND	ug/m3	1.0	1.44		01/17/21 20:57	110-54-3	
Methylene Chloride	ND	ug/m3	5.1	1.44		01/17/21 20:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.0	1.44		01/17/21 20:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	5.3	1.44		01/17/21 20:57	1634-04-4	
Naphthalene	ND	ug/m3	3.8	1.44		01/17/21 20:57	91-20-3	
Styrene	ND	ug/m3	1.2	1.44		01/17/21 20:57	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.0	1.44		01/17/21 20:57	79-34-5	
Tetrachloroethene	ND	ug/m3	0.99	1.44		01/17/21 20:57	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.86	1.44		01/17/21 20:57	109-99-9	
Toluene	1.7	ug/m3	1.1	1.44		01/17/21 20:57	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	10.9	1.44		01/17/21 20:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.6	1.44		01/17/21 20:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.80	1.44		01/17/21 20:57	79-00-5	
Trichloroethene	ND	ug/m3	0.79	1.44		01/17/21 20:57	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.6	1.44		01/17/21 20:57	75-69-4	
1,2,4-Trimethylbenzene	ND	ug/m3	1.4	1.44		01/17/21 20:57	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.4	1.44		01/17/21 20:57	108-67-8	
Vinyl acetate	ND	ug/m3	1.0	1.44		01/17/21 20:57	108-05-4	
Vinyl chloride	ND	ug/m3	0.37	1.44		01/17/21 20:57	75-01-4	
m&p-Xylene	ND	ug/m3	2.5	1.44		01/17/21 20:57	179601-23-1	
o-Xylene	ND	ug/m3	1.3	1.44		01/17/21 20:57	95-47-6	

TO15 Non VAP Certified Comps

Analytical Method: TO-15

Pace Analytical Services - Minneapolis

Dichlorotetrafluoroethane	ND	ug/m3	2.0	1.44		01/17/21 20:57	76-14-2	
Ethanol	14.2	ug/m3	2.8	1.44		01/17/21 20:57	64-17-5	
4-Ethyltoluene	ND	ug/m3	3.6	1.44		01/17/21 20:57	622-96-8	
n-Heptane	ND	ug/m3	1.2	1.44		01/17/21 20:57	142-82-5	
2-Hexanone	ND	ug/m3	6.0	1.44		01/17/21 20:57	591-78-6	
2-Propanol	ND	ug/m3	3.6	1.44		01/17/21 20:57	67-63-0	
Propylene	ND	ug/m3	0.50	1.44		01/17/21 20:57	115-07-1	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.2	1.44		01/17/21 20:57	76-13-1	

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ANALYTICAL RESULTS

Project: MPL001 27 FLD

Pace Project No.: 10544534

Sample: MPL001:AA84:AA122920		Lab ID: 10544534017		Collected: 12/29/20 14:52		Received: 01/11/21 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
Acetone	ND	ug/m3	9.9	1.64		01/17/21 20:30	67-64-1		
Benzene	0.65	ug/m3	0.53	1.64		01/17/21 20:30	71-43-2		
Benzyl chloride	ND	ug/m3	4.3	1.64		01/17/21 20:30	100-44-7		
Bromodichloromethane	ND	ug/m3	2.2	1.64		01/17/21 20:30	75-27-4		
Bromoform	ND	ug/m3	8.6	1.64		01/17/21 20:30	75-25-2		
Bromomethane	ND	ug/m3	1.3	1.64		01/17/21 20:30	74-83-9		
1,3-Butadiene	ND	ug/m3	0.74	1.64		01/17/21 20:30	106-99-0		
2-Butanone (MEK)	ND	ug/m3	4.9	1.64		01/17/21 20:30	78-93-3		
Carbon disulfide	ND	ug/m3	1.0	1.64		01/17/21 20:30	75-15-0		
Carbon tetrachloride	ND	ug/m3	2.1	1.64		01/17/21 20:30	56-23-5		
Chlorobenzene	ND	ug/m3	1.5	1.64		01/17/21 20:30	108-90-7		
Chloroethane	ND	ug/m3	0.88	1.64		01/17/21 20:30	75-00-3		
Chloroform	ND	ug/m3	0.81	1.64		01/17/21 20:30	67-66-3		
Chloromethane	1.5	ug/m3	0.69	1.64		01/17/21 20:30	74-87-3		
Cyclohexane	ND	ug/m3	2.9	1.64		01/17/21 20:30	110-82-7		
Dibromochloromethane	ND	ug/m3	2.8	1.64		01/17/21 20:30	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	1.3	1.64		01/17/21 20:30	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.0	1.64		01/17/21 20:30	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.64		01/17/21 20:30	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	5.0	1.64		01/17/21 20:30	106-46-7		
Dichlorodifluoromethane	2.2	ug/m3	1.7	1.64		01/17/21 20:30	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.3	1.64		01/17/21 20:30	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.67	1.64		01/17/21 20:30	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.3	1.64		01/17/21 20:30	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.3	1.64		01/17/21 20:30	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.3	1.64		01/17/21 20:30	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.5	1.64		01/17/21 20:30	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.64		01/17/21 20:30	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.64		01/17/21 20:30	10061-02-6		
Ethyl acetate	ND	ug/m3	1.2	1.64		01/17/21 20:30	141-78-6		
Ethylbenzene	ND	ug/m3	1.4	1.64		01/17/21 20:30	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/m3	8.9	1.64		01/17/21 20:30	87-68-3		
n-Hexane	ND	ug/m3	1.2	1.64		01/17/21 20:30	110-54-3		
Methylene Chloride	ND	ug/m3	5.8	1.64		01/17/21 20:30	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.8	1.64		01/17/21 20:30	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.0	1.64		01/17/21 20:30	1634-04-4		
Naphthalene	ND	ug/m3	4.4	1.64		01/17/21 20:30	91-20-3		
Styrene	ND	ug/m3	1.4	1.64		01/17/21 20:30	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.1	1.64		01/17/21 20:30	79-34-5		
Tetrachloroethene	ND	ug/m3	1.1	1.64		01/17/21 20:30	127-18-4		
Tetrahydrofuran	ND	ug/m3	0.98	1.64		01/17/21 20:30	109-99-9		
Toluene	ND	ug/m3	1.3	1.64		01/17/21 20:30	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	12.4	1.64		01/17/21 20:30	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.8	1.64		01/17/21 20:30	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.91	1.64		01/17/21 20:30	79-00-5		
Trichloroethene	ND	ug/m3	0.90	1.64		01/17/21 20:30	79-01-6		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MPL001 27 FLD

Pace Project No.: 10544534

Sample: MPL001:AA84:AA122920 Lab ID: 10544534017 Collected: 12/29/20 14:52 Received: 01/11/21 09:00 Matrix: Air								
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15								
Analytical Method: TO-15								
Pace Analytical Services - Minneapolis								
Trichlorofluoromethane	ND	ug/m3	1.9	1.64		01/17/21 20:30	75-69-4	
1,2,4-Trimethylbenzene	ND	ug/m3	1.6	1.64		01/17/21 20:30	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.6	1.64		01/17/21 20:30	108-67-8	
Vinyl acetate	ND	ug/m3	1.2	1.64		01/17/21 20:30	108-05-4	
Vinyl chloride	ND	ug/m3	0.43	1.64		01/17/21 20:30	75-01-4	
m&p-Xylene	ND	ug/m3	2.9	1.64		01/17/21 20:30	179601-23-1	
o-Xylene	ND	ug/m3	1.4	1.64		01/17/21 20:30	95-47-6	
TO15 Non VAP Certified Comps								
Analytical Method: TO-15								
Pace Analytical Services - Minneapolis								
Dichlorotetrafluoroethane	ND	ug/m3	2.3	1.64		01/17/21 20:30	76-14-2	
Ethanol	12.6	ug/m3	3.1	1.64		01/17/21 20:30	64-17-5	
4-Ethyltoluene	ND	ug/m3	4.1	1.64		01/17/21 20:30	622-96-8	
n-Heptane	ND	ug/m3	1.4	1.64		01/17/21 20:30	142-82-5	
2-Hexanone	ND	ug/m3	6.8	1.64		01/17/21 20:30	591-78-6	
2-Propanol	ND	ug/m3	4.1	1.64		01/17/21 20:30	67-63-0	
Propylene	ND	ug/m3	0.57	1.64		01/17/21 20:30	115-07-1	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.6	1.64		01/17/21 20:30	76-13-1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MPL001 27 FLD

Pace Project No.: 10544534

QC Batch:	719879	Analysis Method:	Method 3C Gases
QC Batch Method:	Method 3C Gases	Analysis Description:	METHOD 3C AIR - FIXED GASES
		Laboratory:	Pace Analytical Services - Minneapolis
Associated Lab Samples:	10544534003, 10544534004, 10544534005, 10544534006, 10544534007, 10544534008, 10544534009		

METHOD BLANK: 3840213

Matrix: Air

Associated Lab Samples: 10544534003, 10544534004, 10544534005, 10544534006, 10544534007, 10544534008, 10544534009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Helium	%	ND	3.6	01/12/21 07:34	

LABORATORY CONTROL SAMPLE & LCSD: 3840214

3840215

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Helium	%	18	19.8	20.4	110	114	70-130	3	30	

SAMPLE DUPLICATE: 3840523

Parameter	Units	10543964005 Result	Dup Result	RPD	Max RPD	Qualifiers
Helium	%	ND	ND		30	

SAMPLE DUPLICATE: 3840524

Parameter	Units	10543670001 Result	Dup Result	RPD	Max RPD	Qualifiers
Helium	%	ND	ND		30	

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QUALITY CONTROL DATA

Project: MPL001 27 FLD

Pace Project No.: 10544534

QC Batch: 719979

Analysis Method: Method 3C Gases

QC Batch Method: Method 3C Gases

Analysis Description: METHOD 3C AIR - FIXED GASES

Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10544534001, 10544534010, 10544534011

METHOD BLANK: 3840557

Matrix: Air

Associated Lab Samples: 10544534001, 10544534010, 10544534011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Helium	%	ND	3.6	01/13/21 07:08	

LABORATORY CONTROL SAMPLE & LCSD: 3840558

3840559

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Helium	%	18	19.4	19.4	108	108	70-130	0	30	

SAMPLE DUPLICATE: 3841358

Parameter	Units	10544534001 Result	Dup Result	RPD	Max RPD	Qualifiers
Helium	%	ND	ND		30	

SAMPLE DUPLICATE: 3841359

Parameter	Units	10544466001 Result	Dup Result	RPD	Max RPD	Qualifiers
Helium	%	ND	ND		30	

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QUALITY CONTROL DATA

Project: MPL001 27 FLD

Pace Project No.: 10544534

QC Batch:	720377	Analysis Method:	TO-15
QC Batch Method:	TO-15	Analysis Description:	TO15
		Laboratory:	Pace Analytical Services - Minneapolis

Associated Lab Samples: 10544534001, 10544534002, 10544534003, 10544534004, 10544534005

METHOD BLANK: 3842426

Matrix: Air

Associated Lab Samples: 10544534001, 10544534002, 10544534003, 10544534004, 10544534005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	01/14/21 14:17	
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.70	01/14/21 14:17	
1,1,2-Trichloroethane	ug/m3	ND	0.56	01/14/21 14:17	
1,1-Dichloroethane	ug/m3	ND	0.82	01/14/21 14:17	
1,1-Dichloroethene	ug/m3	ND	0.81	01/14/21 14:17	
1,2,4-Trichlorobenzene	ug/m3	ND	7.5	01/14/21 14:17	
1,2,4-Trimethylbenzene	ug/m3	ND	1.0	01/14/21 14:17	
1,2-Dibromoethane (EDB)	ug/m3	ND	0.78	01/14/21 14:17	
1,2-Dichlorobenzene	ug/m3	ND	1.2	01/14/21 14:17	
1,2-Dichloroethane	ug/m3	ND	0.41	01/14/21 14:17	
1,2-Dichloropropane	ug/m3	ND	0.94	01/14/21 14:17	
1,3,5-Trimethylbenzene	ug/m3	ND	1.0	01/14/21 14:17	
1,3-Butadiene	ug/m3	ND	0.45	01/14/21 14:17	
1,3-Dichlorobenzene	ug/m3	ND	1.2	01/14/21 14:17	
1,4-Dichlorobenzene	ug/m3	ND	3.1	01/14/21 14:17	
2-Butanone (MEK)	ug/m3	ND	3.0	01/14/21 14:17	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	4.2	01/14/21 14:17	
Acetone	ug/m3	ND	6.0	01/14/21 14:17	
Benzene	ug/m3	ND	0.32	01/14/21 14:17	
Benzyl chloride	ug/m3	ND	2.6	01/14/21 14:17	
Bromodichloromethane	ug/m3	ND	1.4	01/14/21 14:17	
Bromoform	ug/m3	ND	5.2	01/14/21 14:17	
Bromomethane	ug/m3	ND	0.79	01/14/21 14:17	
Carbon disulfide	ug/m3	ND	0.63	01/14/21 14:17	
Carbon tetrachloride	ug/m3	ND	1.3	01/14/21 14:17	
Chlorobenzene	ug/m3	ND	0.94	01/14/21 14:17	
Chloroethane	ug/m3	ND	0.54	01/14/21 14:17	
Chloroform	ug/m3	ND	0.50	01/14/21 14:17	
Chloromethane	ug/m3	ND	0.42	01/14/21 14:17	
cis-1,2-Dichloroethene	ug/m3	ND	0.81	01/14/21 14:17	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	01/14/21 14:17	
Cyclohexane	ug/m3	ND	1.8	01/14/21 14:17	
Dibromochloromethane	ug/m3	ND	1.7	01/14/21 14:17	
Dichlorodifluoromethane	ug/m3	ND	1.0	01/14/21 14:17	
Ethyl acetate	ug/m3	ND	0.73	01/14/21 14:17	
Ethylbenzene	ug/m3	ND	0.88	01/14/21 14:17	
Hexachloro-1,3-butadiene	ug/m3	ND	5.4	01/14/21 14:17	
m&p-Xylene	ug/m3	ND	1.8	01/14/21 14:17	
Methyl-tert-butyl ether	ug/m3	ND	3.7	01/14/21 14:17	
Methylene Chloride	ug/m3	ND	3.5	01/14/21 14:17	

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QUALITY CONTROL DATA

Project: MPL001 27 FLD

Pace Project No.: 10544534

METHOD BLANK: 3842426

Matrix: Air

Associated Lab Samples: 10544534001, 10544534002, 10544534003, 10544534004, 10544534005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
n-Hexane	ug/m3	ND	0.72	01/14/21 14:17	
Naphthalene	ug/m3	ND	2.7	01/14/21 14:17	
o-Xylene	ug/m3	ND	0.88	01/14/21 14:17	
Styrene	ug/m3	ND	0.87	01/14/21 14:17	
Tetrachloroethene	ug/m3	ND	0.69	01/14/21 14:17	
Tetrahydrofuran	ug/m3	ND	0.60	01/14/21 14:17	
Toluene	ug/m3	ND	0.77	01/14/21 14:17	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	01/14/21 14:17	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	01/14/21 14:17	
Trichloroethene	ug/m3	ND	0.55	01/14/21 14:17	
Trichlorofluoromethane	ug/m3	ND	1.1	01/14/21 14:17	
Vinyl acetate	ug/m3	ND	0.72	01/14/21 14:17	
Vinyl chloride	ug/m3	ND	0.26	01/14/21 14:17	

LABORATORY CONTROL SAMPLE: 3842427

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	56.7	58.1	102	70-130	
1,1,2,2-Tetrachloroethane	ug/m3	73.4	84.3	115	62-130	
1,1,2-Trichloroethane	ug/m3	57.4	65.7	114	70-130	
1,1-Dichloroethane	ug/m3	43	44.1	103	70-130	
1,1-Dichloroethene	ug/m3	43.2	42.4	98	70-130	
1,2,4-Trichlorobenzene	ug/m3	81.1	133	164	69-144	L1,SS
1,2,4-Trimethylbenzene	ug/m3	52.3	62.9	120	60-136	
1,2-Dibromoethane (EDB)	ug/m3	82.1	93.7	114	70-130	
1,2-Dichlorobenzene	ug/m3	63.2	78.6	124	67-130	
1,2-Dichloroethane	ug/m3	42.8	44.3	103	70-130	
1,2-Dichloropropane	ug/m3	48.8	53.8	110	70-130	
1,3,5-Trimethylbenzene	ug/m3	53	60.2	114	69-130	
1,3-Butadiene	ug/m3	24.6	25.5	104	69-134	
1,3-Dichlorobenzene	ug/m3	60.3	69.1	115	69-130	
1,4-Dichlorobenzene	ug/m3	66	80.5	122	70-133	
2-Butanone (MEK)	ug/m3	30	37.0	123	65-137	
4-Methyl-2-pentanone (MIBK)	ug/m3	42.1	53.3	127	70-135	
Acetone	ug/m3	26.2	25.9	99	60-130	
Benzene	ug/m3	34.4	34.0	99	70-130	
Benzyl chloride	ug/m3	52.4	62.8	120	68-147	
Bromodichloromethane	ug/m3	69.1	72.1	104	70-130	
Bromoform	ug/m3	108	136	126	64-141	
Bromomethane	ug/m3	41	40.2	98	70-130	
Carbon disulfide	ug/m3	34.3	33.7	98	70-130	
Carbon tetrachloride	ug/m3	65.5	61.7	94	70-134	
Chlorobenzene	ug/m3	49.5	51.3	103	67-130	
Chloroethane	ug/m3	28	31.0	111	70-137	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MPL001 27 FLD

Pace Project No.: 10544534

LABORATORY CONTROL SAMPLE: 3842427

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/m3	50	51.9	104	70-130	
Chloromethane	ug/m3	22.1	21.5	97	70-130	
cis-1,2-Dichloroethene	ug/m3	41.8	43.2	103	70-130	
cis-1,3-Dichloropropene	ug/m3	46	59.7	130	70-137	
Cyclohexane	ug/m3	36.4	42.6	117	70-139	
Dibromochloromethane	ug/m3	88.7	93.3	105	70-130	
Dichlorodifluoromethane	ug/m3	54.9	50.4	92	70-130	
Ethyl acetate	ug/m3	37.7	42.4	112	70-131	
Ethylbenzene	ug/m3	46.3	53.6	116	70-130	
Hexachloro-1,3-butadiene	ug/m3	116	136	117	62-142	
m&p-Xylene	ug/m3	46	53.9	117	70-130	
Methyl-tert-butyl ether	ug/m3	34.9	41.3	119	70-138	
Methylene Chloride	ug/m3	38.8	39.3	101	70-130	
n-Hexane	ug/m3	36.8	39.9	108	69-140	
Naphthalene	ug/m3	58.3	82.6	142	70-138	L1,SS
o-Xylene	ug/m3	46.5	52.6	113	70-130	
Styrene	ug/m3	45.2	54.6	121	70-134	
Tetrachloroethene	ug/m3	74.9	72.7	97	68-130	
Tetrahydrofuran	ug/m3	29.8	32.6	110	70-137	
Toluene	ug/m3	40.4	45.8	113	70-133	
trans-1,2-Dichloroethene	ug/m3	41.9	42.4	101	70-130	
trans-1,3-Dichloropropene	ug/m3	43.4	58.7	135	70-141	
Trichloroethene	ug/m3	56.7	60.1	106	70-130	
Trichlorofluoromethane	ug/m3	59.6	56.1	94	70-130	
Vinyl acetate	ug/m3	32.5	41.5	128	70-143	
Vinyl chloride	ug/m3	28.5	27.7	97	70-130	

SAMPLE DUPLICATE: 3843420

Parameter	Units	10544538007 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	ND		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND		25	
1,1,2-Trichloroethane	ug/m3	ND	ND		25	
1,1-Dichloroethane	ug/m3	ND	ND		25	
1,1-Dichloroethene	ug/m3	ND	ND		25	
1,2,4-Trichlorobenzene	ug/m3	ND	ND		25	
1,2,4-Trimethylbenzene	ug/m3	ND	ND		25	
1,2-Dibromoethane (EDB)	ug/m3	ND	ND		25	
1,2-Dichlorobenzene	ug/m3	ND	ND		25	
1,2-Dichloroethane	ug/m3	ND	ND		25	
1,2-Dichloropropane	ug/m3	ND	ND		25	
1,3,5-Trimethylbenzene	ug/m3	ND	ND		25	
1,3-Butadiene	ug/m3	ND	ND		25	
1,3-Dichlorobenzene	ug/m3	ND	ND		25	
1,4-Dichlorobenzene	ug/m3	ND	ND		25	

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QUALITY CONTROL DATA

Project: MPL001 27 FLD

Pace Project No.: 10544534

SAMPLE DUPLICATE: 3843420

Parameter	Units	10544538007 Result	Dup Result	RPD	Max RPD	Qualifiers
2-Butanone (MEK)	ug/m3	ND	ND		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND		25	
Acetone	ug/m3	ND	ND		25	
Benzene	ug/m3	ND	ND		25	
Benzyl chloride	ug/m3	ND	ND		25	
Bromodichloromethane	ug/m3	ND	ND		25	
Bromoform	ug/m3	ND	ND		25	
Bromomethane	ug/m3	ND	ND		25	
Carbon disulfide	ug/m3	ND	ND		25	
Carbon tetrachloride	ug/m3	ND	ND		25	
Chlorobenzene	ug/m3	ND	ND		25	
Chloroethane	ug/m3	ND	ND		25	
Chloroform	ug/m3	ND	ND		25	
Chloromethane	ug/m3	ND	ND		25	
cis-1,2-Dichloroethene	ug/m3	ND	ND		25	
cis-1,3-Dichloropropene	ug/m3	ND	ND		25	
Cyclohexane	ug/m3	ND	ND		25	
Dibromochloromethane	ug/m3	ND	ND		25	
Dichlorodifluoromethane	ug/m3	ND	ND		25	
Ethyl acetate	ug/m3	ND	ND		25	
Ethylbenzene	ug/m3	ND	ND		25	
Hexachloro-1,3-butadiene	ug/m3	ND	ND		25	
m&p-Xylene	ug/m3	ND	ND		25	
Methyl-tert-butyl ether	ug/m3	ND	ND		25	
Methylene Chloride	ug/m3	ND	ND		25	
n-Hexane	ug/m3	ND	ND		25	
Naphthalene	ug/m3	ND	ND		25	
o-Xylene	ug/m3	ND	ND		25	
Styrene	ug/m3	ND	ND		25	
Tetrachloroethene	ug/m3	ND	ND		25	
Tetrahydrofuran	ug/m3	ND	ND		25	
Toluene	ug/m3	ND	ND		25	
trans-1,2-Dichloroethene	ug/m3	ND	ND		25	
trans-1,3-Dichloropropene	ug/m3	ND	ND		25	
Trichloroethene	ug/m3	ND	ND		25	
Trichlorofluoromethane	ug/m3	ND	ND		25	
Vinyl acetate	ug/m3	ND	ND		25	
Vinyl chloride	ug/m3	ND	ND		25	

SAMPLE DUPLICATE: 3843425

Parameter	Units	10544538002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	ND		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND		25	
1,1,2-Trichloroethane	ug/m3	ND	ND		25	

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QUALITY CONTROL DATA

Project: MPL001 27 FLD

Pace Project No.: 10544534

SAMPLE DUPLICATE: 3843425

Parameter	Units	10544538002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1-Dichloroethane	ug/m3	ND	ND		25	
1,1-Dichloroethene	ug/m3	ND	ND		25	
1,2,4-Trichlorobenzene	ug/m3	ND	ND		25	
1,2,4-Trimethylbenzene	ug/m3	ND	ND		25	
1,2-Dibromoethane (EDB)	ug/m3	ND	ND		25	
1,2-Dichlorobenzene	ug/m3	ND	ND		25	
1,2-Dichloroethane	ug/m3	ND	ND		25	
1,2-Dichloropropane	ug/m3	ND	ND		25	
1,3,5-Trimethylbenzene	ug/m3	ND	ND		25	
1,3-Butadiene	ug/m3	ND	ND		25	
1,3-Dichlorobenzene	ug/m3	ND	ND		25	
1,4-Dichlorobenzene	ug/m3	ND	ND		25	
2-Butanone (MEK)	ug/m3	ND	ND		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND		25	
Acetone	ug/m3	ND	5.3J		25	
Benzene	ug/m3	0.84	0.90	6	25	
Benzyl chloride	ug/m3	ND	ND		25	
Bromodichloromethane	ug/m3	ND	ND		25	
Bromoform	ug/m3	ND	ND		25	
Bromomethane	ug/m3	ND	ND		25	
Carbon disulfide	ug/m3	ND	ND		25	
Carbon tetrachloride	ug/m3	ND	ND		25	
Chlorobenzene	ug/m3	ND	ND		25	
Chloroethane	ug/m3	ND	ND		25	
Chloroform	ug/m3	ND	ND		25	
Chloromethane	ug/m3	ND	ND		25	
cis-1,2-Dichloroethene	ug/m3	2.9	3.1	7	25	
cis-1,3-Dichloropropene	ug/m3	ND	ND		25	
Cyclohexane	ug/m3	ND	ND		25	
Dibromochloromethane	ug/m3	ND	ND		25	
Dichlorodifluoromethane	ug/m3	2.6	2.5	4	25	
Ethyl acetate	ug/m3	ND	ND		25	
Ethylbenzene	ug/m3	ND	ND		25	
Hexachloro-1,3-butadiene	ug/m3	ND	ND		25	
m&p-Xylene	ug/m3	ND	ND		25	
Methyl-tert-butyl ether	ug/m3	ND	ND		25	
Methylene Chloride	ug/m3	ND	ND		25	
n-Hexane	ug/m3	ND	.68J		25	
Naphthalene	ug/m3	ND	ND		25	
o-Xylene	ug/m3	ND	ND		25	
Styrene	ug/m3	ND	ND		25	
Tetrachloroethene	ug/m3	1.9	1.8	7	25	
Tetrahydrofuran	ug/m3	ND	ND		25	
Toluene	ug/m3	1.3	1.3	2	25	
trans-1,2-Dichloroethene	ug/m3	ND	ND		25	
trans-1,3-Dichloropropene	ug/m3	ND	ND		25	
Trichloroethene	ug/m3	1.5	1.3	10	25	

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QUALITY CONTROL DATA

Project: MPL001 27 FLD

Pace Project No.: 10544534

SAMPLE DUPLICATE: 3843425

Parameter	Units	10544538002 Result	Dup Result	RPD	Max RPD	Qualifiers
Trichlorofluoromethane	ug/m3	ND	1.5J		25	
Vinyl acetate	ug/m3	ND	ND		25	
Vinyl chloride	ug/m3	ND	ND		25	

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QUALITY CONTROL DATA

Project: MPL001 27 FLD

Pace Project No.: 10544534

QC Batch:	720625	Analysis Method:	TO-15
QC Batch Method:	TO-15	Analysis Description:	TO15
		Laboratory:	Pace Analytical Services - Minneapolis
Associated Lab Samples:	10544534006, 10544534007, 10544534008, 10544534009, 10544534010, 10544534011, 10544534012, 10544534013, 10544534014, 10544534015, 10544534016, 10544534017		

METHOD BLANK: 3844056

Matrix: Air

Associated Lab Samples: 10544534006, 10544534007, 10544534008, 10544534009, 10544534010, 10544534011, 10544534012, 10544534013, 10544534014, 10544534015, 10544534016, 10544534017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	0.56	01/17/21 09:54	
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.35	01/17/21 09:54	
1,1,2-Trichloroethane	ug/m3	ND	0.28	01/17/21 09:54	
1,1-Dichloroethane	ug/m3	ND	0.41	01/17/21 09:54	
1,1-Dichloroethene	ug/m3	ND	0.40	01/17/21 09:54	
1,2,4-Trichlorobenzene	ug/m3	ND	3.8	01/17/21 09:54	
1,2,4-Trimethylbenzene	ug/m3	ND	0.50	01/17/21 09:54	
1,2-Dibromoethane (EDB)	ug/m3	ND	0.39	01/17/21 09:54	
1,2-Dichlorobenzene	ug/m3	ND	0.61	01/17/21 09:54	
1,2-Dichloroethane	ug/m3	ND	0.21	01/17/21 09:54	
1,2-Dichloropropane	ug/m3	ND	0.47	01/17/21 09:54	
1,3,5-Trimethylbenzene	ug/m3	ND	0.50	01/17/21 09:54	
1,3-Butadiene	ug/m3	ND	0.22	01/17/21 09:54	
1,3-Dichlorobenzene	ug/m3	ND	0.61	01/17/21 09:54	
1,4-Dichlorobenzene	ug/m3	ND	1.5	01/17/21 09:54	
2-Butanone (MEK)	ug/m3	ND	1.5	01/17/21 09:54	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	2.1	01/17/21 09:54	
Acetone	ug/m3	ND	3.0	01/17/21 09:54	
Benzene	ug/m3	ND	0.16	01/17/21 09:54	
Benzyl chloride	ug/m3	ND	1.3	01/17/21 09:54	
Bromodichloromethane	ug/m3	ND	0.68	01/17/21 09:54	
Bromoform	ug/m3	ND	2.6	01/17/21 09:54	
Bromomethane	ug/m3	ND	0.39	01/17/21 09:54	
Carbon disulfide	ug/m3	ND	0.32	01/17/21 09:54	
Carbon tetrachloride	ug/m3	ND	0.64	01/17/21 09:54	
Chlorobenzene	ug/m3	ND	0.47	01/17/21 09:54	
Chloroethane	ug/m3	ND	0.27	01/17/21 09:54	
Chloroform	ug/m3	ND	0.25	01/17/21 09:54	
Chloromethane	ug/m3	ND	0.21	01/17/21 09:54	
cis-1,2-Dichloroethene	ug/m3	ND	0.40	01/17/21 09:54	
cis-1,3-Dichloropropene	ug/m3	ND	0.46	01/17/21 09:54	
Cyclohexane	ug/m3	ND	0.88	01/17/21 09:54	
Dibromochloromethane	ug/m3	ND	0.86	01/17/21 09:54	
Dichlorodifluoromethane	ug/m3	ND	0.50	01/17/21 09:54	
Ethyl acetate	ug/m3	ND	0.37	01/17/21 09:54	
Ethylbenzene	ug/m3	ND	0.44	01/17/21 09:54	
Hexachloro-1,3-butadiene	ug/m3	ND	2.7	01/17/21 09:54	
m&p-Xylene	ug/m3	ND	0.88	01/17/21 09:54	
Methyl-tert-butyl ether	ug/m3	ND	1.8	01/17/21 09:54	

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QUALITY CONTROL DATA

Project: MPL001 27 FLD

Pace Project No.: 10544534

METHOD BLANK: 3844056

Matrix: Air

Associated Lab Samples: 10544534006, 10544534007, 10544534008, 10544534009, 10544534010, 10544534011, 10544534012, 10544534013, 10544534014, 10544534015, 10544534016, 10544534017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methylene Chloride	ug/m3	ND	1.8	01/17/21 09:54	
n-Hexane	ug/m3	ND	0.36	01/17/21 09:54	
Naphthalene	ug/m3	ND	1.3	01/17/21 09:54	
o-Xylene	ug/m3	ND	0.44	01/17/21 09:54	
Styrene	ug/m3	ND	0.43	01/17/21 09:54	
Tetrachloroethene	ug/m3	ND	0.34	01/17/21 09:54	
Tetrahydrofuran	ug/m3	ND	0.30	01/17/21 09:54	
Toluene	ug/m3	ND	0.38	01/17/21 09:54	
trans-1,2-Dichloroethene	ug/m3	ND	0.40	01/17/21 09:54	
trans-1,3-Dichloropropene	ug/m3	ND	0.46	01/17/21 09:54	
Trichloroethene	ug/m3	ND	0.27	01/17/21 09:54	
Trichlorofluoromethane	ug/m3	ND	0.57	01/17/21 09:54	
Vinyl acetate	ug/m3	ND	0.36	01/17/21 09:54	
Vinyl chloride	ug/m3	ND	0.13	01/17/21 09:54	

LABORATORY CONTROL SAMPLE: 3844057

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	57	55.0	96	70-130	
1,1,2,2-Tetrachloroethane	ug/m3	71.9	76.2	106	62-130	
1,1,2-Trichloroethane	ug/m3	57.3	58.6	102	70-130	
1,1-Dichloroethane	ug/m3	42.7	41.9	98	70-130	
1,1-Dichloroethene	ug/m3	41.4	40.4	97	70-130	
1,2,4-Trichlorobenzene	ug/m3	156	135	87	69-144	
1,2,4-Trimethylbenzene	ug/m3	51.5	59.4	115	60-136	
1,2-Dibromoethane (EDB)	ug/m3	80.3	80.6	100	70-130	
1,2-Dichlorobenzene	ug/m3	63.1	60.4	96	67-130	
1,2-Dichloroethane	ug/m3	42.4	41.0	97	70-130	
1,2-Dichloropropane	ug/m3	48.6	52.6	108	70-130	
1,3,5-Trimethylbenzene	ug/m3	51.6	57.4	111	69-130	
1,3-Butadiene	ug/m3	23.3	22.6	97	69-134	
1,3-Dichlorobenzene	ug/m3	63.4	67.2	106	69-130	
1,4-Dichlorobenzene	ug/m3	63.4	58.6	92	70-133	
2-Butanone (MEK)	ug/m3	31.4	34.5	110	65-137	
4-Methyl-2-pentanone (MIBK)	ug/m3	43.6	47.8	110	70-135	
Acetone	ug/m3	126	110	87	60-130	
Benzene	ug/m3	33.5	33.4	100	70-130	
Benzyl chloride	ug/m3	55.1	53.4	97	68-147	
Bromodichloromethane	ug/m3	71.5	70.4	98	70-130	
Bromoform	ug/m3	110	108	98	64-141	
Bromomethane	ug/m3	41.3	39.2	95	70-130	
Carbon disulfide	ug/m3	33.3	33.0	99	70-130	
Carbon tetrachloride	ug/m3	66.2	62.2	94	70-134	

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QUALITY CONTROL DATA

Project: MPL001 27 FLD

Pace Project No.: 10544534

LABORATORY CONTROL SAMPLE: 3844057

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/m3	48.3	45.4	94	67-130	
Chloroethane	ug/m3	28.1	27.6	98	70-137	
Chloroform	ug/m3	51.1	49.8	97	70-130	
Chloromethane	ug/m3	21.9	19.5	89	70-130	
cis-1,2-Dichloroethene	ug/m3	41.6	43.3	104	70-130	
cis-1,3-Dichloropropene	ug/m3	47.7	51.1	107	70-137	
Cyclohexane	ug/m3	36.7	42.1	115	70-139	
Dibromochloromethane	ug/m3	90.7	86.8	96	70-130	
Dichlorodifluoromethane	ug/m3	51.6	47.2	92	70-130	
Ethyl acetate	ug/m3	38.6	38.4	100	70-131	
Ethylbenzene	ug/m3	45.6	49.1	108	70-130	
Hexachloro-1,3-butadiene	ug/m3	112	107	96	62-142	
m&p-Xylene	ug/m3	91.2	100	110	70-130	
Methyl-tert-butyl ether	ug/m3	38.4	39.7	104	70-138	
Methylene Chloride	ug/m3	182	172	95	70-130	
n-Hexane	ug/m3	37.6	39.2	104	69-140	
Naphthalene	ug/m3	57.7	49.1	85	70-138	
o-Xylene	ug/m3	45.5	49.7	109	70-130	
Styrene	ug/m3	44.9	52.4	117	70-134	
Tetrachloroethene	ug/m3	71	70.1	99	68-130	
Tetrahydrofuran	ug/m3	31.5	36.5	116	70-137	
Toluene	ug/m3	39.5	40.9	104	70-133	
trans-1,2-Dichloroethene	ug/m3	42.2	41.2	98	70-130	
trans-1,3-Dichloropropene	ug/m3	47.7	52.3	110	70-141	
Trichloroethene	ug/m3	56.3	55.2	98	70-130	
Trichlorofluoromethane	ug/m3	59.7	54.2	91	70-130	
Vinyl acetate	ug/m3	34.5	32.9	95	70-143	
Vinyl chloride	ug/m3	26.7	25.4	95	70-130	

SAMPLE DUPLICATE: 3844240

Parameter	Units	10544850001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.23	ND		25	
1,1,2,2-Tetrachloroethane	ug/m3	<0.21	ND		25	
1,1,2-Trichloroethane	ug/m3	<0.23	ND		25	
1,1-Dichloroethane	ug/m3	<0.24	ND		25	
1,1-Dichloroethene	ug/m3	<0.26	ND		25	
1,2,4-Trichlorobenzene	ug/m3	5.5J	ND		25	
1,2,4-Trimethylbenzene	ug/m3	<0.49	ND		25	
1,2-Dibromoethane (EDB)	ug/m3	<0.31	ND		25	
1,2-Dichlorobenzene	ug/m3	<0.47	ND		25	
1,2-Dichloroethane	ug/m3	<0.27	ND		25	
1,2-Dichloropropane	ug/m3	<0.22	ND		25	
1,3,5-Trimethylbenzene	ug/m3	<0.37	ND		25	
1,3-Butadiene	ug/m3	<0.16	ND		25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MPL001 27 FLD

Pace Project No.: 10544534

SAMPLE DUPLICATE: 3844240

Parameter	Units	10544850001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,3-Dichlorobenzene	ug/m3	<0.54	ND		25	
1,4-Dichlorobenzene	ug/m3	<0.73	ND		25	
2-Butanone (MEK)	ug/m3	<0.93	ND		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	<0.30	ND		25	
Acetone	ug/m3	12.8	12.3	4	25	
Benzene	ug/m3	1.4	1.4	3	25	
Benzyl chloride	ug/m3	<0.62	ND		25	
Bromodichloromethane	ug/m3	<0.41	ND		25	
Bromoform	ug/m3	<2.5	ND		25	
Bromomethane	ug/m3	<0.32	ND		25	
Carbon disulfide	ug/m3	<0.33	ND		25	
Carbon tetrachloride	ug/m3	0.87J	.87J		25	
Chlorobenzene	ug/m3	<0.30	ND		25	
Chloroethane	ug/m3	<0.14	ND		25	
Chloroform	ug/m3	0.59J	.58J		25	
Chloromethane	ug/m3	0.92	0.97	6	25	
cis-1,2-Dichloroethene	ug/m3	<0.21	ND		25	
cis-1,3-Dichloropropene	ug/m3	<0.26	ND		25	
Cyclohexane	ug/m3	<0.26	ND		25	
Dibromochloromethane	ug/m3	<0.55	ND		25	
Dichlorodifluoromethane	ug/m3	2.1	2.5	17	25	
Ethyl acetate	ug/m3	<0.29	ND		25	
Ethylbenzene	ug/m3	0.80J	.87J		25	
Hexachloro-1,3-butadiene	ug/m3	<3.4	ND		25	
m&p-Xylene	ug/m3	3.8	3.8	0	25	
Methyl-tert-butyl ether	ug/m3	<0.18	ND		25	
Methylene Chloride	ug/m3	<2.2	ND		25	
n-Hexane	ug/m3	0.96J	.98J		25	
Naphthalene	ug/m3	<1.7	ND		25	
o-Xylene	ug/m3	0.89J	.98J		25	
Styrene	ug/m3	<0.45	ND		25	
Tetrachloroethene	ug/m3	<0.46	ND		25	
Tetrahydrofuran	ug/m3	<0.19	ND		25	
Toluene	ug/m3	1.4	1.4	2	25	
trans-1,2-Dichloroethene	ug/m3	<0.20	ND		25	
trans-1,3-Dichloropropene	ug/m3	<0.22	ND		25	
Trichloroethene	ug/m3	<0.23	ND		25	
Trichlorofluoromethane	ug/m3	1.4J	1.4J		25	
Vinyl acetate	ug/m3	<0.19	ND		25	
Vinyl chloride	ug/m3	<0.079	ND		25	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MPL001 27 FLD

Pace Project No.: 10544534

QC Batch:	720378	Analysis Method:	TO-15
QC Batch Method:	TO-15	Analysis Description:	TO15
		Laboratory:	Pace Analytical Services - Minneapolis

Associated Lab Samples: 10544534001, 10544534002, 10544534003, 10544534004, 10544534005

METHOD BLANK: 3842428

Matrix: Air

Associated Lab Samples: 10544534001, 10544534002, 10544534003, 10544534004, 10544534005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	01/14/21 14:17	
2-Hexanone	ug/m3	ND	4.2	01/14/21 14:17	
2-Propanol	ug/m3	ND	2.5	01/14/21 14:17	
4-Ethyltoluene	ug/m3	ND	2.5	01/14/21 14:17	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	01/14/21 14:17	
Ethanol	ug/m3	ND	1.9	01/14/21 14:17	
n-Heptane	ug/m3	ND	0.83	01/14/21 14:17	
Propylene	ug/m3	ND	0.35	01/14/21 14:17	

LABORATORY CONTROL SAMPLE: 3842429

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2-Trichlorotrifluoroethane	ug/m3	81.1	80.5	99	70-130	
2-Hexanone	ug/m3	37.6	55.6	148	70-145	L1,SS
2-Propanol	ug/m3	27.5	25.0	91	70-130	
4-Ethyltoluene	ug/m3	52.7	64.6	123	70-134	
Dichlorotetrafluoroethane	ug/m3	77.9	69.2	89	70-130	
Ethanol	ug/m3	21.1	18.8	89	65-130	
n-Heptane	ug/m3	42.8	50.8	119	70-134	
Propylene	ug/m3	18.3	19.9	108	70-137	

SAMPLE DUPLICATE: 3843480

Parameter	Units	10544538007 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	ND		25	
2-Hexanone	ug/m3	ND	ND		25	
2-Propanol	ug/m3	ND	ND		25	
4-Ethyltoluene	ug/m3	ND	ND		25	
Dichlorotetrafluoroethane	ug/m3	ND	ND		25	
Ethanol	ug/m3	ND	ND		25	
n-Heptane	ug/m3	ND	ND		25	
Propylene	ug/m3	ND	ND		25	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MPL001 27 FLD

Pace Project No.: 10544534

SAMPLE DUPLICATE: 3843481

Parameter	Units	10544538002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	ND		25	
2-Hexanone	ug/m3	ND	ND		25	
2-Propanol	ug/m3	ND	1.6J		25	
4-Ethyltoluene	ug/m3	ND	ND		25	
Dichlorotetrafluoroethane	ug/m3	ND	ND		25	
Ethanol	ug/m3	8.6	7.8	9	25	
n-Heptane	ug/m3	ND	ND		25	
Propylene	ug/m3	ND	ND		25	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MPL001 27 FLD

Pace Project No.: 10544534

QC Batch:	720626	Analysis Method:	TO-15
QC Batch Method:	TO-15	Analysis Description:	TO15
		Laboratory:	Pace Analytical Services - Minneapolis
Associated Lab Samples:	10544534006, 10544534007, 10544534008, 10544534009, 10544534010, 10544534011, 10544534012, 10544534013, 10544534014, 10544534015, 10544534016, 10544534017		

METHOD BLANK: 3844058

Matrix: Air

Associated Lab Samples: 10544534006, 10544534007, 10544534008, 10544534009, 10544534010, 10544534011, 10544534012, 10544534013, 10544534014, 10544534015, 10544534016, 10544534017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	0.78	01/17/21 09:54	
2-Hexanone	ug/m3	ND	2.1	01/17/21 09:54	
2-Propanol	ug/m3	ND	1.2	01/17/21 09:54	
4-Ethyltoluene	ug/m3	ND	1.2	01/17/21 09:54	
Dichlorotetrafluoroethane	ug/m3	ND	0.71	01/17/21 09:54	
Ethanol	ug/m3	ND	0.96	01/17/21 09:54	
n-Heptane	ug/m3	ND	0.42	01/17/21 09:54	
Propylene	ug/m3	ND	0.18	01/17/21 09:54	

LABORATORY CONTROL SAMPLE: 3844059

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2-Trichlorotrifluoroethane	ug/m3	80.3	77.2	96	70-130	
2-Hexanone	ug/m3	42.8	48.9	114	70-145	
2-Propanol	ug/m3	119	112	94	70-130	
4-Ethyltoluene	ug/m3	52.4	62.3	119	70-134	
Dichlorotetrafluoroethane	ug/m3	72.7	65.6	90	70-130	
Ethanol	ug/m3	103	95.6	93	65-130	
n-Heptane	ug/m3	43.6	46.1	106	70-134	
Propylene	ug/m3	18.2	18.4	101	70-137	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: MPL001 27 FLD

Pace Project No.: 10544534

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

E Analyte concentration exceeded the calibration range. The reported result is estimated.

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

SS This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MPL001 27 FLD

Pace Project No.: 10544534

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10544534001	MPL001:VP60:SV010421	Method 3C Gases	719979		
10544534003	MPL001:VP80:SV122920	Method 3C Gases	719879		
10544534004	MPL001:VP81:SV122920	Method 3C Gases	719879		
10544534005	MPL001:VP82:SV122920	Method 3C Gases	719879		
10544534006	MPL001:VP83:SV122920	Method 3C Gases	719879		
10544534007	MPL001:VP84:SV122920	Method 3C Gases	719879		
10544534008	MPL001:VP85:SV122920	Method 3C Gases	719879		
10544534009	MPL001:VP86:SV122920	Method 3C Gases	719879		
10544534010	MPL001:VP87:SV122920	Method 3C Gases	719979		
10544534011	MPL001:VP88:SV122920	Method 3C Gases	719979		
10544534001	MPL001:VP60:SV010421	TO-15	720377		
10544534002	MPL001:AI60:AI010421	TO-15	720377		
10544534003	MPL001:VP80:SV122920	TO-15	720377		
10544534004	MPL001:VP81:SV122920	TO-15	720377		
10544534005	MPL001:VP82:SV122920	TO-15	720377		
10544534006	MPL001:VP83:SV122920	TO-15	720625		
10544534007	MPL001:VP84:SV122920	TO-15	720625		
10544534008	MPL001:VP85:SV122920	TO-15	720625		
10544534009	MPL001:VP86:SV122920	TO-15	720625		
10544534010	MPL001:VP87:SV122920	TO-15	720625		
10544534011	MPL001:VP88:SV122920	TO-15	720625		
10544534012	MPL001:AI85:AI122920	TO-15	720625		
10544534013	MPL001:AI86:AI122920	TO-15	720625		
10544534014	MPL001:AI87:AI122920	TO-15	720625		
10544534015	MPL001:AI88:AI122920	TO-15	720625		
10544534016	MPL001:AA81:AA122920	TO-15	720625		
10544534017	MPL001:AA84:AA122920	TO-15	720625		
10544534001	MPL001:VP60:SV010421	TO-15	720378		
10544534002	MPL001:AI60:AI010421	TO-15	720378		
10544534003	MPL001:VP80:SV122920	TO-15	720378		
10544534004	MPL001:VP81:SV122920	TO-15	720378		
10544534005	MPL001:VP82:SV122920	TO-15	720378		
10544534006	MPL001:VP83:SV122920	TO-15	720626		
10544534007	MPL001:VP84:SV122920	TO-15	720626		
10544534008	MPL001:VP85:SV122920	TO-15	720626		
10544534009	MPL001:VP86:SV122920	TO-15	720626		
10544534010	MPL001:VP87:SV122920	TO-15	720626		
10544534011	MPL001:VP88:SV122920	TO-15	720626		
10544534012	MPL001:AI85:AI122920	TO-15	720626		
10544534013	MPL001:AI86:AI122920	TO-15	720626		
10544534014	MPL001:AI87:AI122920	TO-15	720626		
10544534015	MPL001:AI88:AI122920	TO-15	720626		
10544534016	MPL001:AA81:AA122920	TO-15	720626		
10544534017	MPL001:AA84:AA122920	TO-15	720626		

REPORT OF LABORATORY ANALYSIS

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 2

NO. 1564

Dublin, OH ☐ Newark, OH ☐ Mason, OH ☐ Bedford, OH ☒ Toledo, OH ☐ St. Clairsville, OH ☐ Pittsburgh, PA ☐
 6397 Emerald Pkwy 59 Grant St. 4770 Duke Dr. 4 Hemisphere Way 219 S. Erie St. 156 Woodrow Avenue 300 Merchant Ln.,
 Suite 200 Newark, OH 43055 Suite 207 Bedford, OH 44146 Toledo, OH 43604 Suite 3 Suite 307
 Dublin, OH 43016 P: (740) 344-5451 Mason, OH 45040 P: (440) 232-9945 P: (419) 385-2018 St. Clairsville, OH 43950 Pittsburgh, PA 15205
 P: (614) 793-8777 P: (513) 459-9677 P: (740) 217-2460 P: (412) 446-0315

REPORT TO:

Lindsay Crow, Data Admin

Client: Maple
 Site: N. Canton, Ohio
 Project #: MP001 Phase: Z7FLD
 Samplers: A. Green / D. Sansone / E. Reider
 Purchase Order #: MP001.Z7FLD.JLMD5

SAMPLE MATRIX
 AA-AMBIENT AIR
 C-ASBESTOS
 D-SEDIMENT
 G-GROUNDWATER
 IA-INDOOR AIR
 L-LEACHATE
 P-PRODUCT
 S-SOIL
 SG-SOIL GAS
 SS-SUBSLAB
 VAPOR
 W-WATER
 X-CONCRETE

PRESERVATIVES
 A-Cool only, <4 deg. C
 B-HNO₃ pH<2
 C-H₂SO₄ pH<2
 D-NaOH pH>12
 E-ZnAcetate + NaOH, pH>9
 F-Na₂S₂O₃ (0.008%)
 G-HCL pH <2

H-EDTA
 I-5ml 1:1 HCL
 J-none
 K-Stored in dark
 L-NH₄Cl
 M-Methanol
 S-Sodium

METALS

N - Not filtered
 F45u- filtered with
 0.45 micron
 F5u- filtered with 5
 micron

PRESERVATIVES

ANALYSES

WO#: 10544534



PROJECT NO. :	SAMPLE LOCATION :	SAMPLE MATRIX & ID	NO. OF CONT.	SAMPLE TYPE (discrete, composite)	COLLECTION DATE/TIME	METALS											COMMENTS
MP001 :	VP60	SV 0104Z1	1	D	1-4-21/1011		X	X									001
MP001 :	AI60	AI 0104Z1	1	C	1-4-21/1025		X										002
MP001 :	VP80	SV 1229Z0	1	D	12-29-20/1235		X	X									003
MP001 :	VP81	SV 1229Z0	1	D	12-29-20/1306		X	X									004
MP001 :	VP82	SV 1229Z0	1	D	12-29-20/1512		X	X									005
MP001 :	VP83	SV 1229Z0	1	D	12-29-20/1433		X	X									006
MP001 :	VP84	SV 1229Z0	1	D	12-29-20/1352		X	X									007
MP001 :	VP85	SV 1229Z0	1	D	12-29-20/1055		X	X									008
MP001 :	VP86	SV 1229Z0	1	D	12-29-20/1117		X	X									009
MP001 :	VP87	SV 1229Z0	1	D	12-29-20/1158		X	X									010
MP001 :	VP88	SV 1229Z0	1	D	12-29-20/1205		X	X									011
MP001 :	AI85	AI 1229Z0	1	C	12-29-20/1249		X										012

RELINQUISHED BY: [Signature]
 DATE: 1-7-20
 TIME: 0800
 RELINQUISHED BY: [Signature]
 DATE:
 TIME:
 RELINQUISHED BY:
 DATE:
 TIME:

RECEIVED BY: Fedex
 DATE: 1-7-20
 TIME: 0800
 RECEIVED BY: Malice Pace
 DATE: 11/21
 TIME: 900
 RECEIVED BY:
 DATE:
 TIME:

Deliver To:

Method of Delivery:

Airbill Number:

Regulatory Program:

Required Limits:

Pace, MW

COOLER TEMPERATURE
 AS RECEIVED

°C

DISTRIBUTION:

WHITE
 YELLOW
 PINK

-LAB USE (MUST BE RETURNED WITH REPORT)
 -LAB USE
 -RETAINED BY HULL

NOTES:

TURN AROUND TIME:

Standard

DAYS

CHAIN OF CUSTODY RECORD

NO. 1565

Dublin, OH ☐ Newark, OH ☐ Mason, OH ☐ Bedford, OH ☒ Toledo, OH ☐ St. Clairsville, OH ☐ Pittsburgh, PA ☐
 6397 Emerald Pkwy 59 Grant St. 4770 Duke Dr. 4 Hemisphere Way 219 S. Erie St. 156 Woodrow Avenue 300 Merchant Ln.,
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 P: (614) 793-8777 P: (513) 459-9677 P: (419) 385-2018 P: (740) 217-2460 P: (412) 446-0315

REPORT TO:

Lindsay Crow, Data Admin

Client: Maple
 Site: N. Canton, Ohio
 Project #: MPLOO1 Phase: 27FLD
 Samplers: A. Green / D. Sansone / E. Reider
 Purchase Order # MPLOO1.27FLD.SLM05

SAMPLE MATRIX
 AA-AMBIENT AIR
 C-ASBESTOS
 D-SEDIMENT
 G-GROUNDWATER
 IA-INDOOR AIR
 L-LEACHATE
 P-PRODUCT
 S-SOIL
 SG-SOIL GAS
 SS-SUBSLAB
 VAPOR
 W-WATER
 X-CONCRETE

PRESERVATIVES
 A-Cool only, <4 deg. C
 B-HNO₃ pH<2
 C-H₂SO₄ pH<2
 D-NaOH pH>12
 E-ZnAcetate + NaOH, pH>9
 F-Na₂S₂O₃ (0.008%)
 G-HCL pH <2
 H-EDTA
 I-5ml 1:1 HCL
 J-none
 K-Stored in dark
 L-NH₄Cl
 M-Methanol
 S-Sodium

METALS
 N - Not filtered
 F45u- filtered with 0.45 micron
 F5u- filtered with 5 micron

PRESERVATIVES

ANALYSES

PROJECT NO. :	SAMPLE LOCATION :	SAMPLE MATRIX & ID	NO. OF CONT.	SAMPLE TYPE (discrete, composite)	COLLECTION DATE/TIME	METALS											COMMENTS
MPLOO1 :	AI86 :	AI122920	1	C	12-29-20/1252		X										013
MPLOO1 :	AI87 :	AI122920	1	C	12-29-20/1254		X										014
MPLOO1 :	AI88 :	AI122920	1	C	12-29-20/1321		X										015
MPLOO1 :	AA81 :	AA122920	1	C	12-29-20/1332		X										016
MPLOO1 :	AA84 :	AA122920	1	C	12-29-20/1452		X										017
:	:	:	:	:	/												
:	:	:	:	:	/												
:	:	:	:	:	/												
:	:	:	:	:	/												
:	:	:	:	:	/												
:	:	:	:	:	/												
:	:	:	:	:	/												

RELINQUISHED BY:

DATE: 1-7-20

RECEIVED BY:

DATE: 1-7-20

RELINQUISHED BY:

TIME: 0800

RECEIVED BY:

TIME: 0800

RELINQUISHED BY:

DATE:

RECEIVED BY:

DATE: 1 11 21

TIME:

TIME:

DATE:

DATE:

TIME:

TIME:

Deliver To:

Method of Delivery:

Airbill Number:

Regulatory Program:

Required Limits:

Face, AN

COOLER TEMPERATURE
 AS RECEIVED °C

DISTRIBUTION:

WHITE

-LAB USE (MUST BE RETURNED WITH REPORT)

NOTES:

YELLOW

-LAB USE

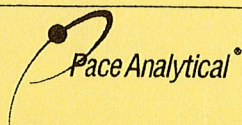
PINK

-RETAINED BY HULL

TURN AROUND TIME:

Standard

DAYS



Document Name:
Sample Condition Upon Receipt (SCUR) - Air
Document No.:
ENV-FRM-MIN4-0113 Rev.00

Document Revised: 24Mar2020
Page 1 of 1
Pace Analytical Services -
Minneapolis

**Air Sample Condition
Upon Receipt**

Client Name: Hull

Project #:

WO#: 10544534

PM: CT1

Due Date: 01/18/21

CLIENT: Hull & assoc

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client
☐ Pace ☐ Speedee ☐ Commercial ☐ See Exception

Tracking Number: 1723 2548 1800

Custody Seal on Cooler/Box Present? ☐ Yes ☒ No Seals Intact? ☐ Yes ☒ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☐ Tin Can ☐ Other: _____

Temp Blank rec: ☐ Yes ☒ No

Temp. (TO17 and TO13 samples only) (°C): Corrected Temp (°C):

Thermometer Used: ☐ G87A9170600254
☐ G87A9155100842

Temp should be above freezing to 6°C

Correction Factor:

Date & Initials of Person Examining Contents: M 1/1/21

Type of ice Received ☐ Blue ☐ Wet ☒ None

Comments:

Chain of Custody Present?	☒ Yes ☐ No	1.
Chain of Custody Filled Out?	☒ Yes ☐ No	2.
Chain of Custody Relinquished?	☒ Yes ☐ No	3.
Sampler Name and/or Signature on COC?	☒ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time?	☒ Yes ☐ No	5.
Short Hold Time Analysis (<72 hr)?	☐ Yes ☒ No	6.
Rush Turn Around Time Requested?	☐ Yes ☒ No	7.
Sufficient Volume?	☒ Yes ☐ No	8.
Correct Containers Used?		
(Tedlar bags not acceptable container for TO-14, TO-15 or APH)		
-Pace Containers Used?	☒ Yes ☐ No	9.
Containers Intact?		
(visual inspection/no leaks when pressurized)	☐ Yes ☒ No	10.
Media: <u>Air Can</u> Airbag Filter TDT Passive		11. Individually Certified Cans Y <u>(N)</u> (list which samples)
Is sufficient information available to reconcile samples to the COC?	☒ Yes ☐ No	12. <u>Pace 1201 + 1715 FC1865 + 1807</u> <u>Came back damaged (10544538)</u>
Do cans need to be pressurized?		
(DO NOT PRESSURIZE 3C or ASTM 1946!!!)	☒ Yes ☒ No	13. <u>VP60 - start time is 10:22 on tag, 10:11 on Cd</u>

Gauge # ☐ 10AIR26 ☒ 10AIR34 ☐ 10AIR35 ☐ 4097

Canisters					Canisters				
Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
VP 60	2580	1492	-3	-	VP-86	3061	1327	-2	-
AI 60	2504	2105	-4	5	87	3254	1328	-1.5	-
VP 80	2229	1493	-2	-	88	2576	1281	-3.5	-
VP 81	2241	1313	-0.5	↓	AI 85	3383	109	-4	5
82	2956	1491	-1	↓	86	198	2121	-6	↓
83	2593	1283	-1	↓	87	738	2089	-4	↓
84	3277	1484	-3	↓	88	423	2084	-4	↓
85	2237	1329	-2.5	↓	AA 81	1570	102	-2	↓

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? ☐ Yes ☐ No

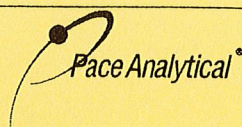
Person Contacted: _____

Date/Time: _____

Comments/Resolution: _____

Project Manager Review: Carolynne Hunt

Date: 1/1/21



Document Name:
Sample Condition Upon Receipt (SCUR) - Air

Document Revised: 24Mar2020

Page 1 of 1

Document No.:
ENV-FRM-MIN4-0113 Rev.00

Pace Analytical Services -
Minneapolis

Air Sample Condition
Upon Receipt

Client Name:

Project #:

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client
☐ Pace ☐ Speedee ☐ Commercial ☐ See Exception

Tracking Number: ☐

Custody Seal on Cooler/Box Present? ☐ Yes ☐ No Seals Intact? ☐ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Foam ☐ None ☐ Tin Can ☐ Other: Temp Blank rec: ☐ Yes ☐ No

Temp. (TO17 and TO13 samples only) (°C): Corrected Temp (°C): Thermometer Used: ☐ G87A9170600254
☐ G87A9155100842

Temp should be above freezing to 6°C Correction Factor: Date & Initials of Person Examining Contents:

Type of ice Received ☐ Blue ☐ Wet ☐ None

Comments:

Chain of Custody Present?	☐ Yes ☐ No	1.
Chain of Custody Filled Out?	☐ Yes ☐ No	2.
Chain of Custody Relinquished?	☐ Yes ☐ No	3.
Sampler Name and/or Signature on COC?	☐ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time?	☐ Yes ☐ No	5.
Short Hold Time Analysis (<72 hr)?	☐ Yes ☐ No	6.
Rush Turn Around Time Requested?	☐ Yes ☐ No	7.
Sufficient Volume?	☐ Yes ☐ No	8.
Correct Containers Used? (Tedlar bags not acceptable container for TO-14, TO-15 or APH)	☐ Yes ☐ No	9.
-Pace Containers Used?	☐ Yes ☐ No	
Containers Intact? (visual inspection/no leaks when pressurized)	☐ Yes ☐ No	10.
Media: Air Can Airbag Filter TDT Passive		11. Individually Certified Cans Y N (list which samples)
Is sufficient information available to reconcile samples to the COC?	☐ Yes ☐ No	12.
Do cans need to be pressurized? (DO NOT PRESSURIZE 3C or ASTM 1946!!!)	☐ Yes ☐ No	13.

Gauge # ☐ 10AIR26 ☐ 10AIR34 ☐ 10AIR35 ☐ 4097

Canisters					Canisters				
Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
AA84	1	1967	-5.5	5	Unused	142	1387	-29	-
Unused	3209	1466	-27.5	-		3512	1871	-28.5	-
	3106	1480	-28			2819	768	-28.5	-
	1134	1482	-15			505	2139	-27	-
	1168	1338	-27.5						
	260	1502	-28						
	701	48	-28.5						
	13	2601	-29						

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? ☐ Yes ☐ No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review:

Date:

January 18, 2021

Lindsay Crow
Hull & Associates
4 Hemisphere Way
Bedford, OH 44146

RE: Project: MPL001 STORM/SANITARY
Pace Project No.: 10544538

Dear Lindsay Crow:

Enclosed are the analytical results for sample(s) received by the laboratory on January 11, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Minneapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Carolynne Trout
carolynne.trout@pacelabs.com
1(612)607-6351
Project Manager

Enclosures

cc: Data Admin, Hull & Associates, Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MPL001 STORM/SANITARY

Pace Project No.: 10544538

Pace Analytical Services - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414

1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab

A2LA Certification #: 2926.01*

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: 17-009*

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014*

Arkansas DW Certification #: MN00064

Arkansas WW Certification #: 88-0680

California Certification #: 2929

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

EPA Region 8+Wyoming DW Certification #: via MN 027-053-137

Florida Certification #: E87605*

Georgia Certification #: 959

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: AI-03086*

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064*

Maryland Certification #: 322

Massachusetts DWP Certification #: via MN 027-053-137

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137*

Minnesota Dept of Ag Certification #: via MN 027-053-137

Minnesota Petrofund Certification #: 1240*

Mississippi Certification #: MN00064

Missouri Certification #: 10100

Montana Certification #: CERT0092

Nebraska Certification #: NE-OS-18-06

Nevada Certification #: MN00064

New Hampshire Certification #: 2081*

New Jersey Certification #: MN002

New York Certification #: 11647*

North Carolina DW Certification #: 27700

North Carolina WW Certification #: 530

North Dakota Certification #: R-036

Ohio DW Certification #: 41244

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507*

Oregon Primary Certification #: MN300001

Oregon Secondary Certification #: MN200001*

Pennsylvania Certification #: 68-00563*

Puerto Rico Certification #: MN00064

South Carolina Certification #: 74003001

Tennessee Certification #: TN02818

Texas Certification #: T104704192*

Utah Certification #: MN00064*

Vermont Certification #: VT-027053137

Virginia Certification #: 460163*

Washington Certification #: C486*

West Virginia DEP Certification #: 382

West Virginia DW Certification #: 9952 C

Wisconsin Certification #: 999407970

Wyoming UST Certification #: via A2LA 2926.01

USDA Permit #: P330-19-00208

Please Note: Applicable air certifications are denoted with an asterisk ().

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: MPL001 STORM/SANITARY

Pace Project No.: 10544538

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10544538001	MPL001:HSW-18A:AA010621	Air	01/06/21 15:25	01/11/21 09:00
10544538002	MPL001:HSW-19A:AA010421	Air	01/04/21 16:04	01/11/21 09:00
10544538003	MPL001:HSW-20A:AA010421	Air	01/04/21 17:00	01/11/21 09:00
10544538004	MPL001:HSS-18:AA010521	Air	01/05/21 15:20	01/11/21 09:00
10544538006	MPL001:HSS-20:AA010521	Air	01/05/21 15:45	01/11/21 09:00
10544538007	MPL001:TB-1:AA010421	Air	01/04/21 00:00	01/11/21 09:00
10544538008	MPL001:TB-2:AA010521	Air	01/05/21 00:00	01/11/21 09:00
10544538009	UNUSED PACE1201	Air		01/11/21 09:00
10544538010	MPL001:TB-1:AA010421 CERT1545	Air		01/11/21 09:00
10544538011	MPL001:TB-2:AA010521 CERT1475	Air		01/11/21 09:00

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: MPL001 STORM/SANITARY

Pace Project No.: 10544538

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10544538001	MPL001:HSW-18A:AA010621	TO-15	CH1	53
		TO-15	CH1	8
10544538002	MPL001:HSW-19A:AA010421	TO-15	CH1	53
		TO-15	CH1	8
10544538003	MPL001:HSW-20A:AA010421	TO-15	CH1	53
		TO-15	CH1	8
10544538004	MPL001:HSS-18:AA010521	TO-15	CH1	53
		TO-15	CH1	8
10544538006	MPL001:HSS-20:AA010521	TO-15	CH1	53
		TO-15	CH1	8
10544538007	MPL001:TB-1:AA010421	TO-15	CH1	53
		TO-15	CH1	8
10544538008	MPL001:TB-2:AA010521	TO-15	CH1	53
		TO-15	CH1	8
10544538010	MPL001:TB-1:AA010421 CERT1545	TO-15	MJL	11
10544538011	MPL001:TB-2:AA010521 CERT1475	TO-15	MJL	11

PASI-M = Pace Analytical Services - Minneapolis

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: MPL001 STORM/SANITARY

Pace Project No.: 10544538

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
10544538001	MPL001:HSW-18A:AA010621					
TO-15	Acetone	10.1	ug/m3	9.0	01/14/21 22:34	
TO-15	Benzene	2.3	ug/m3	0.48	01/14/21 22:34	
TO-15	cis-1,2-Dichloroethene	5.0	ug/m3	1.2	01/14/21 22:34	
TO-15	Ethylbenzene	1.9	ug/m3	1.3	01/14/21 22:34	
TO-15	Tetrachloroethene	2.2	ug/m3	1.0	01/14/21 22:34	
TO-15	Tetrahydrofuran	9.8	ug/m3	0.89	01/14/21 22:34	
TO-15	Toluene	6.9	ug/m3	1.1	01/14/21 22:34	
TO-15	Trichloroethene	2.1	ug/m3	0.81	01/14/21 22:34	
TO-15	1,2,4-Trimethylbenzene	4.9	ug/m3	1.5	01/14/21 22:34	
TO-15	1,3,5-Trimethylbenzene	1.5	ug/m3	1.5	01/14/21 22:34	
TO-15	m&p-Xylene	9.8	ug/m3	2.6	01/14/21 22:34	
TO-15	o-Xylene	3.6	ug/m3	1.3	01/14/21 22:34	
TO-15	Ethanol	12.7	ug/m3	2.9	01/14/21 22:34	
TO-15	n-Heptane	1.5	ug/m3	1.2	01/14/21 22:34	
TO-15	2-Propanol	5.0	ug/m3	3.7	01/14/21 22:34	
10544538002	MPL001:HSW-19A:AA010421					
TO-15	Benzene	0.84	ug/m3	0.51	01/14/21 23:01	
TO-15	Dichlorodifluoromethane	2.6	ug/m3	1.6	01/14/21 23:01	
TO-15	cis-1,2-Dichloroethene	2.9	ug/m3	1.3	01/14/21 23:01	
TO-15	Tetrachloroethene	1.9	ug/m3	1.1	01/14/21 23:01	
TO-15	Toluene	1.3	ug/m3	1.2	01/14/21 23:01	
TO-15	Trichloroethene	1.5	ug/m3	0.86	01/14/21 23:01	
TO-15	Ethanol	8.6	ug/m3	3.0	01/14/21 23:01	
10544538003	MPL001:HSW-20A:AA010421					
TO-15	Bromodichloromethane	5.1	ug/m3	2.2	01/14/21 23:55	
TO-15	Chloroform	7.5	ug/m3	0.80	01/14/21 23:55	
TO-15	Chloromethane	1.7	ug/m3	0.68	01/14/21 23:55	
TO-15	Dibromochloromethane	6.6	ug/m3	2.8	01/14/21 23:55	
TO-15	Dichlorodifluoromethane	2.7	ug/m3	1.6	01/14/21 23:55	
TO-15	1,1-Dichloroethane	4.6	ug/m3	1.3	01/14/21 23:55	
TO-15	1,1-Dichloroethene	3.5	ug/m3	1.3	01/14/21 23:55	
TO-15	cis-1,2-Dichloroethene	631	ug/m3	38.9	01/15/21 12:50	
TO-15	trans-1,2-Dichloroethene	7.4	ug/m3	1.3	01/14/21 23:55	
TO-15	Tetrachloroethene	193	ug/m3	1.1	01/14/21 23:55	
TO-15	Toluene	3.7	ug/m3	1.2	01/14/21 23:55	
TO-15	1,1,1-Trichloroethane	3.4	ug/m3	1.8	01/14/21 23:55	
TO-15	Trichloroethene	289	ug/m3	0.88	01/14/21 23:55	
TO-15	Vinyl chloride	26.9	ug/m3	0.42	01/14/21 23:55	
TO-15	m&p-Xylene	3.4	ug/m3	2.8	01/14/21 23:55	
TO-15	Ethanol	12.6	ug/m3	3.1	01/14/21 23:55	
TO-15	n-Heptane	1.4	ug/m3	1.3	01/14/21 23:55	
10544538004	MPL001:HSS-18:AA010521					
TO-15	Dichlorodifluoromethane	2.8	ug/m3	1.6	01/15/21 00:22	
TO-15	Ethanol	5.7	ug/m3	3.1	01/15/21 00:22	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: MPL001 STORM/SANITARY

Pace Project No.: 10544538

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
10544538006	MPL001:HSS-20:AA010521					
TO-15	Chloroform	3.3	ug/m3	0.83	01/15/21 00:49	
TO-15	Dichlorodifluoromethane	2.7	ug/m3	1.7	01/15/21 00:49	
TO-15	cis-1,2-Dichloroethene	19.7	ug/m3	1.4	01/15/21 00:49	
TO-15	Tetrachloroethene	4.9	ug/m3	1.2	01/15/21 00:49	
TO-15	Trichloroethene	22.4	ug/m3	0.92	01/15/21 00:49	
TO-15	Trichlorofluoromethane	2.4	ug/m3	1.9	01/15/21 00:49	
TO-15	Ethanol	10.2	ug/m3	3.2	01/15/21 00:49	

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: MPL001 STORM/SANITARY

Pace Project No.: 10544538

Method: TO-15

Description: Individual Can Certification

Client: Hull & Associates, Inc.-OH

Date: January 18, 2021

General Information:

2 samples were analyzed for TO-15 by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: MPL001 STORM/SANITARY

Pace Project No.: 10544538

Method: TO-15

Description: TO15

Client: Hull & Associates, Inc.-OH

Date: January 18, 2021

General Information:

7 samples were analyzed for TO-15 by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

QC Batch: 720377

SS: This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

- LCS (Lab ID: 3842427)
 - 1,2,4-Trichlorobenzene
 - Naphthalene

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 720377

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

- LCS (Lab ID: 3842427)
 - 1,2,4-Trichlorobenzene
 - Naphthalene

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: MPL001 STORM/SANITARY
Pace Project No.: 10544538

Method: TO-15
Description: TO15 Non VAP Certified Comps
Client: Hull & Associates, Inc.-OH
Date: January 18, 2021

General Information:

7 samples were analyzed for TO-15 by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

QC Batch: 720378

SS: This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

- LCS (Lab ID: 3842429)
- 2-Hexanone

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 720378

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

- LCS (Lab ID: 3842429)
- 2-Hexanone

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MPL001 STORM/SANITARY

Pace Project No.: 10544538

Sample: MPL001:HSW-18A:AA010621		Lab ID: 10544538001		Collected: 01/06/21 15:25		Received: 01/11/21 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
Acetone	10.1	ug/m3	9.0	1.49		01/14/21 22:34	67-64-1		
Benzene	2.3	ug/m3	0.48	1.49		01/14/21 22:34	71-43-2		
Benzyl chloride	ND	ug/m3	3.9	1.49		01/14/21 22:34	100-44-7		
Bromodichloromethane	ND	ug/m3	2.0	1.49		01/14/21 22:34	75-27-4		
Bromoform	ND	ug/m3	7.8	1.49		01/14/21 22:34	75-25-2		
Bromomethane	ND	ug/m3	1.2	1.49		01/14/21 22:34	74-83-9		
1,3-Butadiene	ND	ug/m3	0.67	1.49		01/14/21 22:34	106-99-0		
2-Butanone (MEK)	ND	ug/m3	4.5	1.49		01/14/21 22:34	78-93-3		
Carbon disulfide	ND	ug/m3	0.94	1.49		01/14/21 22:34	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.9	1.49		01/14/21 22:34	56-23-5		
Chlorobenzene	ND	ug/m3	1.4	1.49		01/14/21 22:34	108-90-7		
Chloroethane	ND	ug/m3	0.80	1.49		01/14/21 22:34	75-00-3		
Chloroform	ND	ug/m3	0.74	1.49		01/14/21 22:34	67-66-3		
Chloromethane	ND	ug/m3	0.63	1.49		01/14/21 22:34	74-87-3		
Cyclohexane	ND	ug/m3	2.6	1.49		01/14/21 22:34	110-82-7		
Dibromochloromethane	ND	ug/m3	2.6	1.49		01/14/21 22:34	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	1.2	1.49		01/14/21 22:34	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	1.8	1.49		01/14/21 22:34	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	1.8	1.49		01/14/21 22:34	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	4.6	1.49		01/14/21 22:34	106-46-7		
Dichlorodifluoromethane	ND	ug/m3	1.5	1.49		01/14/21 22:34	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.2	1.49		01/14/21 22:34	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.61	1.49		01/14/21 22:34	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.2	1.49		01/14/21 22:34	75-35-4		
cis-1,2-Dichloroethene	5.0	ug/m3	1.2	1.49		01/14/21 22:34	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.2	1.49		01/14/21 22:34	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.4	1.49		01/14/21 22:34	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.4	1.49		01/14/21 22:34	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.4	1.49		01/14/21 22:34	10061-02-6		
Ethyl acetate	ND	ug/m3	1.1	1.49		01/14/21 22:34	141-78-6		
Ethylbenzene	1.9	ug/m3	1.3	1.49		01/14/21 22:34	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/m3	8.1	1.49		01/14/21 22:34	87-68-3		
n-Hexane	ND	ug/m3	1.1	1.49		01/14/21 22:34	110-54-3		
Methylene Chloride	ND	ug/m3	5.3	1.49		01/14/21 22:34	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.2	1.49		01/14/21 22:34	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	5.5	1.49		01/14/21 22:34	1634-04-4		
Naphthalene	ND	ug/m3	4.0	1.49		01/14/21 22:34	91-20-3		
Styrene	ND	ug/m3	1.3	1.49		01/14/21 22:34	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.0	1.49		01/14/21 22:34	79-34-5		
Tetrachloroethene	2.2	ug/m3	1.0	1.49		01/14/21 22:34	127-18-4		
Tetrahydrofuran	9.8	ug/m3	0.89	1.49		01/14/21 22:34	109-99-9		
Toluene	6.9	ug/m3	1.1	1.49		01/14/21 22:34	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	11.2	1.49		01/14/21 22:34	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.7	1.49		01/14/21 22:34	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.83	1.49		01/14/21 22:34	79-00-5		

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ANALYTICAL RESULTS

Project: MPL001 STORM/SANITARY

Pace Project No.: 10544538

Sample: MPL001:HSW-18A:AA010621		Lab ID: 10544538001	Collected: 01/06/21 15:25	Received: 01/11/21 09:00	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15		Analytical Method: TO-15 Pace Analytical Services - Minneapolis						
Trichloroethene	2.1	ug/m3	0.81	1.49		01/14/21 22:34	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.7	1.49		01/14/21 22:34	75-69-4	
1,2,4-Trimethylbenzene	4.9	ug/m3	1.5	1.49		01/14/21 22:34	95-63-6	
1,3,5-Trimethylbenzene	1.5	ug/m3	1.5	1.49		01/14/21 22:34	108-67-8	
Vinyl acetate	ND	ug/m3	1.1	1.49		01/14/21 22:34	108-05-4	
Vinyl chloride	ND	ug/m3	0.39	1.49		01/14/21 22:34	75-01-4	
m&p-Xylene	9.8	ug/m3	2.6	1.49		01/14/21 22:34	179601-23-1	
o-Xylene	3.6	ug/m3	1.3	1.49		01/14/21 22:34	95-47-6	
TO15 Non VAP Certified Comps		Analytical Method: TO-15 Pace Analytical Services - Minneapolis						
Dichlorotetrafluoroethane	ND	ug/m3	2.1	1.49		01/14/21 22:34	76-14-2	
Ethanol	12.7	ug/m3	2.9	1.49		01/14/21 22:34	64-17-5	
4-Ethyltoluene	ND	ug/m3	3.7	1.49		01/14/21 22:34	622-96-8	
n-Heptane	1.5	ug/m3	1.2	1.49		01/14/21 22:34	142-82-5	
2-Hexanone	ND	ug/m3	6.2	1.49		01/14/21 22:34	591-78-6	
2-Propanol	5.0	ug/m3	3.7	1.49		01/14/21 22:34	67-63-0	
Propylene	ND	ug/m3	0.52	1.49		01/14/21 22:34	115-07-1	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.3	1.49		01/14/21 22:34	76-13-1	

Sample: MPL001:HSW-19A:AA010421		Lab ID: 10544538002	Collected: 01/04/21 16:04	Received: 01/11/21 09:00	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15		Analytical Method: TO-15 Pace Analytical Services - Minneapolis						
Acetone	ND	ug/m3	9.5	1.58		01/14/21 23:01	67-64-1	
Benzene	0.84	ug/m3	0.51	1.58		01/14/21 23:01	71-43-2	
Benzyl chloride	ND	ug/m3	4.2	1.58		01/14/21 23:01	100-44-7	
Bromodichloromethane	ND	ug/m3	2.1	1.58		01/14/21 23:01	75-27-4	
Bromoform	ND	ug/m3	8.3	1.58		01/14/21 23:01	75-25-2	
Bromomethane	ND	ug/m3	1.2	1.58		01/14/21 23:01	74-83-9	
1,3-Butadiene	ND	ug/m3	0.71	1.58		01/14/21 23:01	106-99-0	
2-Butanone (MEK)	ND	ug/m3	4.7	1.58		01/14/21 23:01	78-93-3	
Carbon disulfide	ND	ug/m3	1.0	1.58		01/14/21 23:01	75-15-0	
Carbon tetrachloride	ND	ug/m3	2.0	1.58		01/14/21 23:01	56-23-5	
Chlorobenzene	ND	ug/m3	1.5	1.58		01/14/21 23:01	108-90-7	
Chloroethane	ND	ug/m3	0.85	1.58		01/14/21 23:01	75-00-3	
Chloroform	ND	ug/m3	0.78	1.58		01/14/21 23:01	67-66-3	
Chloromethane	ND	ug/m3	0.66	1.58		01/14/21 23:01	74-87-3	
Cyclohexane	ND	ug/m3	2.8	1.58		01/14/21 23:01	110-82-7	
Dibromochloromethane	ND	ug/m3	2.7	1.58		01/14/21 23:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	1.2	1.58		01/14/21 23:01	106-93-4	

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ANALYTICAL RESULTS

Project: MPL001 STORM/SANITARY

Pace Project No.: 10544538

Sample: MPL001:HSW-19A:AA010421		Lab ID: 10544538002	Collected: 01/04/21 16:04	Received: 01/11/21 09:00	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

TO15

Analytical Method: TO-15

Pace Analytical Services - Minneapolis

1,2-Dichlorobenzene	ND	ug/m3	1.9	1.58		01/14/21 23:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.9	1.58		01/14/21 23:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	4.8	1.58		01/14/21 23:01	106-46-7	
Dichlorodifluoromethane	2.6	ug/m3	1.6	1.58		01/14/21 23:01	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.3	1.58		01/14/21 23:01	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.65	1.58		01/14/21 23:01	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.3	1.58		01/14/21 23:01	75-35-4	
cis-1,2-Dichloroethene	2.9	ug/m3	1.3	1.58		01/14/21 23:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.3	1.58		01/14/21 23:01	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.5	1.58		01/14/21 23:01	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.58		01/14/21 23:01	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.58		01/14/21 23:01	10061-02-6	
Ethyl acetate	ND	ug/m3	1.2	1.58		01/14/21 23:01	141-78-6	
Ethylbenzene	ND	ug/m3	1.4	1.58		01/14/21 23:01	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/m3	8.6	1.58		01/14/21 23:01	87-68-3	
n-Hexane	ND	ug/m3	1.1	1.58		01/14/21 23:01	110-54-3	
Methylene Chloride	ND	ug/m3	5.6	1.58		01/14/21 23:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.6	1.58		01/14/21 23:01	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	5.8	1.58		01/14/21 23:01	1634-04-4	
Naphthalene	ND	ug/m3	4.2	1.58		01/14/21 23:01	91-20-3	
Styrene	ND	ug/m3	1.4	1.58		01/14/21 23:01	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.1	1.58		01/14/21 23:01	79-34-5	
Tetrachloroethene	1.9	ug/m3	1.1	1.58		01/14/21 23:01	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.95	1.58		01/14/21 23:01	109-99-9	
Toluene	1.3	ug/m3	1.2	1.58		01/14/21 23:01	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	11.9	1.58		01/14/21 23:01	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.8	1.58		01/14/21 23:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.88	1.58		01/14/21 23:01	79-00-5	
Trichloroethene	1.5	ug/m3	0.86	1.58		01/14/21 23:01	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.8	1.58		01/14/21 23:01	75-69-4	
1,2,4-Trimethylbenzene	ND	ug/m3	1.6	1.58		01/14/21 23:01	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.6	1.58		01/14/21 23:01	108-67-8	
Vinyl acetate	ND	ug/m3	1.1	1.58		01/14/21 23:01	108-05-4	
Vinyl chloride	ND	ug/m3	0.41	1.58		01/14/21 23:01	75-01-4	
m&p-Xylene	ND	ug/m3	2.8	1.58		01/14/21 23:01	179601-23-1	
o-Xylene	ND	ug/m3	1.4	1.58		01/14/21 23:01	95-47-6	

TO15 Non VAP Certified Comps

Analytical Method: TO-15

Pace Analytical Services - Minneapolis

Dichlorotetrafluoroethane	ND	ug/m3	2.2	1.58		01/14/21 23:01	76-14-2	
Ethanol	8.6	ug/m3	3.0	1.58		01/14/21 23:01	64-17-5	
4-Ethyltoluene	ND	ug/m3	4.0	1.58		01/14/21 23:01	622-96-8	
n-Heptane	ND	ug/m3	1.3	1.58		01/14/21 23:01	142-82-5	
2-Hexanone	ND	ug/m3	6.6	1.58		01/14/21 23:01	591-78-6	
2-Propanol	ND	ug/m3	4.0	1.58		01/14/21 23:01	67-63-0	

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ANALYTICAL RESULTS

Project: MPL001 STORM/SANITARY

Pace Project No.: 10544538

Sample: MPL001:HSW-19A:AA010421		Lab ID: 10544538002	Collected: 01/04/21 16:04	Received: 01/11/21 09:00	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 Non VAP Certified Comps		Analytical Method: TO-15 Pace Analytical Services - Minneapolis						
Propylene	ND	ug/m3	0.55	1.58		01/14/21 23:01	115-07-1	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.5	1.58		01/14/21 23:01	76-13-1	

Sample: MPL001:HSW-20A:AA010421		Lab ID: 10544538003	Collected: 01/04/21 17:00	Received: 01/11/21 09:00	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15		Analytical Method: TO-15 Pace Analytical Services - Minneapolis						
Acetone	ND	ug/m3	9.7	1.61		01/14/21 23:55	67-64-1	
Benzene	ND	ug/m3	0.52	1.61		01/14/21 23:55	71-43-2	
Benzyl chloride	ND	ug/m3	4.2	1.61		01/14/21 23:55	100-44-7	
Bromodichloromethane	5.1	ug/m3	2.2	1.61		01/14/21 23:55	75-27-4	
Bromoform	ND	ug/m3	8.5	1.61		01/14/21 23:55	75-25-2	
Bromomethane	ND	ug/m3	1.3	1.61		01/14/21 23:55	74-83-9	
1,3-Butadiene	ND	ug/m3	0.72	1.61		01/14/21 23:55	106-99-0	
2-Butanone (MEK)	ND	ug/m3	4.8	1.61		01/14/21 23:55	78-93-3	
Carbon disulfide	ND	ug/m3	1.0	1.61		01/14/21 23:55	75-15-0	
Carbon tetrachloride	ND	ug/m3	2.1	1.61		01/14/21 23:55	56-23-5	
Chlorobenzene	ND	ug/m3	1.5	1.61		01/14/21 23:55	108-90-7	
Chloroethane	ND	ug/m3	0.86	1.61		01/14/21 23:55	75-00-3	
Chloroform	7.5	ug/m3	0.80	1.61		01/14/21 23:55	67-66-3	
Chloromethane	1.7	ug/m3	0.68	1.61		01/14/21 23:55	74-87-3	
Cyclohexane	ND	ug/m3	2.8	1.61		01/14/21 23:55	110-82-7	
Dibromochloromethane	6.6	ug/m3	2.8	1.61		01/14/21 23:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	1.3	1.61		01/14/21 23:55	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.0	1.61		01/14/21 23:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.61		01/14/21 23:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	4.9	1.61		01/14/21 23:55	106-46-7	
Dichlorodifluoromethane	2.7	ug/m3	1.6	1.61		01/14/21 23:55	75-71-8	
1,1-Dichloroethane	4.6	ug/m3	1.3	1.61		01/14/21 23:55	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.66	1.61		01/14/21 23:55	107-06-2	
1,1-Dichloroethene	3.5	ug/m3	1.3	1.61		01/14/21 23:55	75-35-4	
cis-1,2-Dichloroethene	631	ug/m3	38.9	48.3		01/15/21 12:50	156-59-2	
trans-1,2-Dichloroethene	7.4	ug/m3	1.3	1.61		01/14/21 23:55	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.5	1.61		01/14/21 23:55	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.61		01/14/21 23:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.61		01/14/21 23:55	10061-02-6	
Ethyl acetate	ND	ug/m3	1.2	1.61		01/14/21 23:55	141-78-6	
Ethylbenzene	ND	ug/m3	1.4	1.61		01/14/21 23:55	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/m3	8.7	1.61		01/14/21 23:55	87-68-3	
n-Hexane	ND	ug/m3	1.2	1.61		01/14/21 23:55	110-54-3	
Methylene Chloride	ND	ug/m3	5.7	1.61		01/14/21 23:55	75-09-2	

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ANALYTICAL RESULTS

Project: MPL001 STORM/SANITARY

Pace Project No.: 10544538

Sample: MPL001:HSW-20A:AA010421		Lab ID: 10544538003	Collected: 01/04/21 17:00	Received: 01/11/21 09:00	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15		Analytical Method: TO-15 Pace Analytical Services - Minneapolis						
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.7	1.61		01/14/21 23:55	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	5.9	1.61		01/14/21 23:55	1634-04-4	
Naphthalene	ND	ug/m3	4.3	1.61		01/14/21 23:55	91-20-3	
Styrene	ND	ug/m3	1.4	1.61		01/14/21 23:55	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.1	1.61		01/14/21 23:55	79-34-5	
Tetrachloroethene	193	ug/m3	1.1	1.61		01/14/21 23:55	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.97	1.61		01/14/21 23:55	109-99-9	
Toluene	3.7	ug/m3	1.2	1.61		01/14/21 23:55	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	12.1	1.61		01/14/21 23:55	120-82-1	
1,1,1-Trichloroethane	3.4	ug/m3	1.8	1.61		01/14/21 23:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.89	1.61		01/14/21 23:55	79-00-5	
Trichloroethene	289	ug/m3	0.88	1.61		01/14/21 23:55	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.8	1.61		01/14/21 23:55	75-69-4	
1,2,4-Trimethylbenzene	ND	ug/m3	1.6	1.61		01/14/21 23:55	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.6	1.61		01/14/21 23:55	108-67-8	
Vinyl acetate	ND	ug/m3	1.2	1.61		01/14/21 23:55	108-05-4	
Vinyl chloride	26.9	ug/m3	0.42	1.61		01/14/21 23:55	75-01-4	
m&p-Xylene	3.4	ug/m3	2.8	1.61		01/14/21 23:55	179601-23-1	
o-Xylene	ND	ug/m3	1.4	1.61		01/14/21 23:55	95-47-6	
TO15 Non VAP Certified Comps		Analytical Method: TO-15 Pace Analytical Services - Minneapolis						
Dichlorotetrafluoroethane	ND	ug/m3	2.3	1.61		01/14/21 23:55	76-14-2	
Ethanol	12.6	ug/m3	3.1	1.61		01/14/21 23:55	64-17-5	
4-Ethyltoluene	ND	ug/m3	4.0	1.61		01/14/21 23:55	622-96-8	
n-Heptane	1.4	ug/m3	1.3	1.61		01/14/21 23:55	142-82-5	
2-Hexanone	ND	ug/m3	6.7	1.61		01/14/21 23:55	591-78-6	
2-Propanol	ND	ug/m3	4.0	1.61		01/14/21 23:55	67-63-0	
Propylene	ND	ug/m3	0.56	1.61		01/14/21 23:55	115-07-1	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.5	1.61		01/14/21 23:55	76-13-1	

Sample: MPL001:HSS-18:AA010521		Lab ID: 10544538004	Collected: 01/05/21 15:20	Received: 01/11/21 09:00	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15		Analytical Method: TO-15 Pace Analytical Services - Minneapolis						
Acetone	ND	ug/m3	9.7	1.61		01/15/21 00:22	67-64-1	
Benzene	ND	ug/m3	0.52	1.61		01/15/21 00:22	71-43-2	
Benzyl chloride	ND	ug/m3	4.2	1.61		01/15/21 00:22	100-44-7	
Bromodichloromethane	ND	ug/m3	2.2	1.61		01/15/21 00:22	75-27-4	
Bromoform	ND	ug/m3	8.5	1.61		01/15/21 00:22	75-25-2	
Bromomethane	ND	ug/m3	1.3	1.61		01/15/21 00:22	74-83-9	
1,3-Butadiene	ND	ug/m3	0.72	1.61		01/15/21 00:22	106-99-0	

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ANALYTICAL RESULTS

Project: MPL001 STORM/SANITARY

Pace Project No.: 10544538

Sample: MPL001:HSS-18:AA010521		Lab ID: 10544538004		Collected: 01/05/21 15:20		Received: 01/11/21 09:00		Matrix: Air		
Parameters		Results	Units	Report Limit		DF	Prepared	Analyzed	CAS No.	Qual
TO15		Analytical Method: TO-15								
		Pace Analytical Services - Minneapolis								
2-Butanone (MEK)	ND	ug/m3	4.8	1.61				01/15/21 00:22	78-93-3	
Carbon disulfide	ND	ug/m3	1.0	1.61				01/15/21 00:22	75-15-0	
Carbon tetrachloride	ND	ug/m3	2.1	1.61				01/15/21 00:22	56-23-5	
Chlorobenzene	ND	ug/m3	1.5	1.61				01/15/21 00:22	108-90-7	
Chloroethane	ND	ug/m3	0.86	1.61				01/15/21 00:22	75-00-3	
Chloroform	ND	ug/m3	0.80	1.61				01/15/21 00:22	67-66-3	
Chloromethane	ND	ug/m3	0.68	1.61				01/15/21 00:22	74-87-3	
Cyclohexane	ND	ug/m3	2.8	1.61				01/15/21 00:22	110-82-7	
Dibromochloromethane	ND	ug/m3	2.8	1.61				01/15/21 00:22	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	1.3	1.61				01/15/21 00:22	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.0	1.61				01/15/21 00:22	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.61				01/15/21 00:22	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	4.9	1.61				01/15/21 00:22	106-46-7	
Dichlorodifluoromethane	2.8	ug/m3	1.6	1.61				01/15/21 00:22	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.3	1.61				01/15/21 00:22	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.66	1.61				01/15/21 00:22	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.3	1.61				01/15/21 00:22	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.3	1.61				01/15/21 00:22	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.3	1.61				01/15/21 00:22	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.5	1.61				01/15/21 00:22	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.61				01/15/21 00:22	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.61				01/15/21 00:22	10061-02-6	
Ethyl acetate	ND	ug/m3	1.2	1.61				01/15/21 00:22	141-78-6	
Ethylbenzene	ND	ug/m3	1.4	1.61				01/15/21 00:22	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/m3	8.7	1.61				01/15/21 00:22	87-68-3	
n-Hexane	ND	ug/m3	1.2	1.61				01/15/21 00:22	110-54-3	
Methylene Chloride	ND	ug/m3	5.7	1.61				01/15/21 00:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.7	1.61				01/15/21 00:22	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	5.9	1.61				01/15/21 00:22	1634-04-4	
Naphthalene	ND	ug/m3	4.3	1.61				01/15/21 00:22	91-20-3	
Styrene	ND	ug/m3	1.4	1.61				01/15/21 00:22	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.1	1.61				01/15/21 00:22	79-34-5	
Tetrachloroethene	ND	ug/m3	1.1	1.61				01/15/21 00:22	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.97	1.61				01/15/21 00:22	109-99-9	
Toluene	ND	ug/m3	1.2	1.61				01/15/21 00:22	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	12.1	1.61				01/15/21 00:22	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.8	1.61				01/15/21 00:22	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.89	1.61				01/15/21 00:22	79-00-5	
Trichloroethene	ND	ug/m3	0.88	1.61				01/15/21 00:22	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.8	1.61				01/15/21 00:22	75-69-4	
1,2,4-Trimethylbenzene	ND	ug/m3	1.6	1.61				01/15/21 00:22	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.6	1.61				01/15/21 00:22	108-67-8	
Vinyl acetate	ND	ug/m3	1.2	1.61				01/15/21 00:22	108-05-4	
Vinyl chloride	ND	ug/m3	0.42	1.61				01/15/21 00:22	75-01-4	
m&p-Xylene	ND	ug/m3	2.8	1.61				01/15/21 00:22	179601-23-1	
o-Xylene	ND	ug/m3	1.4	1.61				01/15/21 00:22	95-47-6	

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ANALYTICAL RESULTS

Project: MPL001 STORM/SANITARY

Pace Project No.: 10544538

Sample: MPL001:HSS-18:AA010521		Lab ID: 10544538004	Collected: 01/05/21 15:20		Received: 01/11/21 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 Non VAP Certified Comps		Analytical Method: TO-15 Pace Analytical Services - Minneapolis						
Dichlorotetrafluoroethane	ND	ug/m3	2.3	1.61		01/15/21 00:22	76-14-2	
Ethanol	5.7	ug/m3	3.1	1.61		01/15/21 00:22	64-17-5	
4-Ethyltoluene	ND	ug/m3	4.0	1.61		01/15/21 00:22	622-96-8	
n-Heptane	ND	ug/m3	1.3	1.61		01/15/21 00:22	142-82-5	
2-Hexanone	ND	ug/m3	6.7	1.61		01/15/21 00:22	591-78-6	
2-Propanol	ND	ug/m3	4.0	1.61		01/15/21 00:22	67-63-0	
Propylene	ND	ug/m3	0.56	1.61		01/15/21 00:22	115-07-1	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.5	1.61		01/15/21 00:22	76-13-1	

Sample: MPL001:HSS-20:AA010521		Lab ID: 10544538006	Collected: 01/05/21 15:45		Received: 01/11/21 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15		Analytical Method: TO-15 Pace Analytical Services - Minneapolis						
Acetone	ND	ug/m3	10.1	1.68		01/15/21 00:49	67-64-1	
Benzene	ND	ug/m3	0.55	1.68		01/15/21 00:49	71-43-2	
Benzyl chloride	ND	ug/m3	4.4	1.68		01/15/21 00:49	100-44-7	
Bromodichloromethane	ND	ug/m3	2.3	1.68		01/15/21 00:49	75-27-4	
Bromoform	ND	ug/m3	8.8	1.68		01/15/21 00:49	75-25-2	
Bromomethane	ND	ug/m3	1.3	1.68		01/15/21 00:49	74-83-9	
1,3-Butadiene	ND	ug/m3	0.76	1.68		01/15/21 00:49	106-99-0	
2-Butanone (MEK)	ND	ug/m3	5.0	1.68		01/15/21 00:49	78-93-3	
Carbon disulfide	ND	ug/m3	1.1	1.68		01/15/21 00:49	75-15-0	
Carbon tetrachloride	ND	ug/m3	2.2	1.68		01/15/21 00:49	56-23-5	
Chlorobenzene	ND	ug/m3	1.6	1.68		01/15/21 00:49	108-90-7	
Chloroethane	ND	ug/m3	0.90	1.68		01/15/21 00:49	75-00-3	
Chloroform	3.3	ug/m3	0.83	1.68		01/15/21 00:49	67-66-3	
Chloromethane	ND	ug/m3	0.71	1.68		01/15/21 00:49	74-87-3	
Cyclohexane	ND	ug/m3	2.9	1.68		01/15/21 00:49	110-82-7	
Dibromochloromethane	ND	ug/m3	2.9	1.68		01/15/21 00:49	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	1.3	1.68		01/15/21 00:49	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.0	1.68		01/15/21 00:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.68		01/15/21 00:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	5.1	1.68		01/15/21 00:49	106-46-7	
Dichlorodifluoromethane	2.7	ug/m3	1.7	1.68		01/15/21 00:49	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.4	1.68		01/15/21 00:49	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.69	1.68		01/15/21 00:49	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.4	1.68		01/15/21 00:49	75-35-4	
cis-1,2-Dichloroethene	19.7	ug/m3	1.4	1.68		01/15/21 00:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		01/15/21 00:49	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.6	1.68		01/15/21 00:49	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.6	1.68		01/15/21 00:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.6	1.68		01/15/21 00:49	10061-02-6	
Ethyl acetate	ND	ug/m3	1.2	1.68		01/15/21 00:49	141-78-6	

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ANALYTICAL RESULTS

Project: MPL001 STORM/SANITARY

Pace Project No.: 10544538

Sample: MPL001:HSS-20:AA010521		Lab ID: 10544538006		Collected: 01/05/21 15:45		Received: 01/11/21 09:00		Matrix: Air		
Parameters		Results	Units	Report Limit		DF	Prepared	Analyzed	CAS No.	Qual
TO15		Analytical Method: TO-15								
		Pace Analytical Services - Minneapolis								
Ethylbenzene	ND	ug/m3	1.5	1.68			01/15/21 00:49	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/m3	9.1	1.68			01/15/21 00:49	87-68-3		
n-Hexane	ND	ug/m3	1.2	1.68			01/15/21 00:49	110-54-3		
Methylene Chloride	ND	ug/m3	5.9	1.68			01/15/21 00:49	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.0	1.68			01/15/21 00:49	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.1	1.68			01/15/21 00:49	1634-04-4		
Naphthalene	ND	ug/m3	4.5	1.68			01/15/21 00:49	91-20-3		
Styrene	ND	ug/m3	1.5	1.68			01/15/21 00:49	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.68			01/15/21 00:49	79-34-5		
Tetrachloroethene	4.9	ug/m3	1.2	1.68			01/15/21 00:49	127-18-4		
Tetrahydrofuran	ND	ug/m3	1.0	1.68			01/15/21 00:49	109-99-9		
Toluene	ND	ug/m3	1.3	1.68			01/15/21 00:49	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	12.7	1.68			01/15/21 00:49	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.68			01/15/21 00:49	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.93	1.68			01/15/21 00:49	79-00-5		
Trichloroethene	22.4	ug/m3	0.92	1.68			01/15/21 00:49	79-01-6		
Trichlorofluoromethane	2.4	ug/m3	1.9	1.68			01/15/21 00:49	75-69-4		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.68			01/15/21 00:49	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.68			01/15/21 00:49	108-67-8		
Vinyl acetate	ND	ug/m3	1.2	1.68			01/15/21 00:49	108-05-4		
Vinyl chloride	ND	ug/m3	0.44	1.68			01/15/21 00:49	75-01-4		
m&p-Xylene	ND	ug/m3	3.0	1.68			01/15/21 00:49	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.68			01/15/21 00:49	95-47-6		

TO15 Non VAP Certified Comps		Analytical Method: TO-15 Pace Analytical Services - Minneapolis						
Dichlorotetrafluoroethane	ND	ug/m3	2.4	1.68		01/15/21 00:49	76-14-2	
Ethanol	10.2	ug/m3	3.2	1.68		01/15/21 00:49	64-17-5	
4-Ethyltoluene	ND	ug/m3	4.2	1.68		01/15/21 00:49	622-96-8	
n-Heptane	ND	ug/m3	1.4	1.68		01/15/21 00:49	142-82-5	
2-Hexanone	ND	ug/m3	7.0	1.68		01/15/21 00:49	591-78-6	
2-Propanol	ND	ug/m3	4.2	1.68		01/15/21 00:49	67-63-0	
Propylene	ND	ug/m3	0.59	1.68		01/15/21 00:49	115-07-1	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.6	1.68		01/15/21 00:49	76-13-1	

Sample: MPL001:TB-1:AA010421		Lab ID: 10544538007		Collected: 01/04/21 00:00		Received: 01/11/21 09:00		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15		Analytical Method: TO-15 Pace Analytical Services - Minneapolis							
Acetone	ND	ug/m3	6.0	1		01/14/21 19:55	67-64-1		
Benzene	ND	ug/m3	0.32	1		01/14/21 19:55	71-43-2		
Benzyl chloride	ND	ug/m3	2.6	1		01/14/21 19:55	100-44-7		

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ANALYTICAL RESULTS

Project: MPL001 STORM/SANITARY

Pace Project No.: 10544538

Sample: MPL001:TB-1:AA010421		Lab ID: 10544538007		Collected: 01/04/21 00:00		Received: 01/11/21 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
Bromodichloromethane	ND	ug/m3	1.4	1		01/14/21 19:55	75-27-4		
Bromoform	ND	ug/m3	5.2	1		01/14/21 19:55	75-25-2		
Bromomethane	ND	ug/m3	0.79	1		01/14/21 19:55	74-83-9		
1,3-Butadiene	ND	ug/m3	0.45	1		01/14/21 19:55	106-99-0		
2-Butanone (MEK)	ND	ug/m3	3.0	1		01/14/21 19:55	78-93-3		
Carbon disulfide	ND	ug/m3	0.63	1		01/14/21 19:55	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.3	1		01/14/21 19:55	56-23-5		
Chlorobenzene	ND	ug/m3	0.94	1		01/14/21 19:55	108-90-7		
Chloroethane	ND	ug/m3	0.54	1		01/14/21 19:55	75-00-3		
Chloroform	ND	ug/m3	0.50	1		01/14/21 19:55	67-66-3		
Chloromethane	ND	ug/m3	0.42	1		01/14/21 19:55	74-87-3		
Cyclohexane	ND	ug/m3	1.8	1		01/14/21 19:55	110-82-7		
Dibromochloromethane	ND	ug/m3	1.7	1		01/14/21 19:55	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	0.78	1		01/14/21 19:55	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	1.2	1		01/14/21 19:55	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	1.2	1		01/14/21 19:55	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	3.1	1		01/14/21 19:55	106-46-7		
Dichlorodifluoromethane	ND	ug/m3	1.0	1		01/14/21 19:55	75-71-8		
1,1-Dichloroethane	ND	ug/m3	0.82	1		01/14/21 19:55	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.41	1		01/14/21 19:55	107-06-2		
1,1-Dichloroethene	ND	ug/m3	0.81	1		01/14/21 19:55	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	0.81	1		01/14/21 19:55	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	0.81	1		01/14/21 19:55	156-60-5		
1,2-Dichloropropane	ND	ug/m3	0.94	1		01/14/21 19:55	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	0.92	1		01/14/21 19:55	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	0.92	1		01/14/21 19:55	10061-02-6		
Ethyl acetate	ND	ug/m3	0.73	1		01/14/21 19:55	141-78-6		
Ethylbenzene	ND	ug/m3	0.88	1		01/14/21 19:55	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/m3	5.4	1		01/14/21 19:55	87-68-3		
n-Hexane	ND	ug/m3	0.72	1		01/14/21 19:55	110-54-3		
Methylene Chloride	ND	ug/m3	3.5	1		01/14/21 19:55	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	4.2	1		01/14/21 19:55	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	3.7	1		01/14/21 19:55	1634-04-4		
Naphthalene	ND	ug/m3	2.7	1		01/14/21 19:55	91-20-3		
Styrene	ND	ug/m3	0.87	1		01/14/21 19:55	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.70	1		01/14/21 19:55	79-34-5		
Tetrachloroethene	ND	ug/m3	0.69	1		01/14/21 19:55	127-18-4		
Tetrahydrofuran	ND	ug/m3	0.60	1		01/14/21 19:55	109-99-9		
Toluene	ND	ug/m3	0.77	1		01/14/21 19:55	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	7.5	1		01/14/21 19:55	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.1	1		01/14/21 19:55	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.56	1		01/14/21 19:55	79-00-5		
Trichloroethene	ND	ug/m3	0.55	1		01/14/21 19:55	79-01-6		
Trichlorofluoromethane	ND	ug/m3	1.1	1		01/14/21 19:55	75-69-4		
1,2,4-Trimethylbenzene	ND	ug/m3	1.0	1		01/14/21 19:55	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.0	1		01/14/21 19:55	108-67-8		

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ANALYTICAL RESULTS

Project: MPL001 STORM/SANITARY

Pace Project No.: 10544538

Sample: MPL001:TB-1:AA010421		Lab ID: 10544538007		Collected: 01/04/21 00:00		Received: 01/11/21 09:00		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15		Analytical Method: TO-15							
		Pace Analytical Services - Minneapolis							
Vinyl acetate	ND	ug/m3	0.72	1		01/14/21 19:55	108-05-4		
Vinyl chloride	ND	ug/m3	0.26	1		01/14/21 19:55	75-01-4		
m&p-Xylene	ND	ug/m3	1.8	1		01/14/21 19:55	179601-23-1		
o-Xylene	ND	ug/m3	0.88	1		01/14/21 19:55	95-47-6		
TO15 Non VAP Certified Comps		Analytical Method: TO-15							
		Pace Analytical Services - Minneapolis							
Dichlorotetrafluoroethane	ND	ug/m3	1.4	1		01/14/21 19:55	76-14-2		
Ethanol	ND	ug/m3	1.9	1		01/14/21 19:55	64-17-5		
4-Ethyltoluene	ND	ug/m3	2.5	1		01/14/21 19:55	622-96-8		
n-Heptane	ND	ug/m3	0.83	1		01/14/21 19:55	142-82-5		
2-Hexanone	ND	ug/m3	4.2	1		01/14/21 19:55	591-78-6		
2-Propanol	ND	ug/m3	2.5	1		01/14/21 19:55	67-63-0		
Propylene	ND	ug/m3	0.35	1		01/14/21 19:55	115-07-1		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.6	1		01/14/21 19:55	76-13-1		

Sample: MPL001:TB-2:AA010521		Lab ID: 10544538008		Collected: 01/05/21 00:00		Received: 01/11/21 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
Acetone	ND	ug/m3	6.0	1		01/14/21 20:47	67-64-1		
Benzene	ND	ug/m3	0.32	1		01/14/21 20:47	71-43-2		
Benzyl chloride	ND	ug/m3	2.6	1		01/14/21 20:47	100-44-7		
Bromodichloromethane	ND	ug/m3	1.4	1		01/14/21 20:47	75-27-4		
Bromoform	ND	ug/m3	5.2	1		01/14/21 20:47	75-25-2		
Bromomethane	ND	ug/m3	0.79	1		01/14/21 20:47	74-83-9		
1,3-Butadiene	ND	ug/m3	0.45	1		01/14/21 20:47	106-99-0		
2-Butanone (MEK)	ND	ug/m3	3.0	1		01/14/21 20:47	78-93-3		
Carbon disulfide	ND	ug/m3	0.63	1		01/14/21 20:47	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.3	1		01/14/21 20:47	56-23-5		
Chlorobenzene	ND	ug/m3	0.94	1		01/14/21 20:47	108-90-7		
Chloroethane	ND	ug/m3	0.54	1		01/14/21 20:47	75-00-3		
Chloroform	ND	ug/m3	0.50	1		01/14/21 20:47	67-66-3		
Chloromethane	ND	ug/m3	0.42	1		01/14/21 20:47	74-87-3		
Cyclohexane	ND	ug/m3	1.8	1		01/14/21 20:47	110-82-7		
Dibromochloromethane	ND	ug/m3	1.7	1		01/14/21 20:47	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	0.78	1		01/14/21 20:47	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	1.2	1		01/14/21 20:47	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	1.2	1		01/14/21 20:47	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	3.1	1		01/14/21 20:47	106-46-7		
Dichlorodifluoromethane	ND	ug/m3	1.0	1		01/14/21 20:47	75-71-8		
1,1-Dichloroethane	ND	ug/m3	0.82	1		01/14/21 20:47	75-34-3		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MPL001 STORM/SANITARY

Pace Project No.: 10544538

Sample: MPL001:TB-2:AA010521		Lab ID: 10544538008		Collected: 01/05/21 00:00		Received: 01/11/21 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
1,2-Dichloroethane	ND	ug/m3	0.41	1		01/14/21 20:47	107-06-2		
1,1-Dichloroethene	ND	ug/m3	0.81	1		01/14/21 20:47	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	0.81	1		01/14/21 20:47	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	0.81	1		01/14/21 20:47	156-60-5		
1,2-Dichloropropane	ND	ug/m3	0.94	1		01/14/21 20:47	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	0.92	1		01/14/21 20:47	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	0.92	1		01/14/21 20:47	10061-02-6		
Ethyl acetate	ND	ug/m3	0.73	1		01/14/21 20:47	141-78-6		
Ethylbenzene	ND	ug/m3	0.88	1		01/14/21 20:47	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/m3	5.4	1		01/14/21 20:47	87-68-3		
n-Hexane	ND	ug/m3	0.72	1		01/14/21 20:47	110-54-3		
Methylene Chloride	ND	ug/m3	3.5	1		01/14/21 20:47	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	4.2	1		01/14/21 20:47	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	3.7	1		01/14/21 20:47	1634-04-4		
Naphthalene	ND	ug/m3	2.7	1		01/14/21 20:47	91-20-3		
Styrene	ND	ug/m3	0.87	1		01/14/21 20:47	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.70	1		01/14/21 20:47	79-34-5		
Tetrachloroethene	ND	ug/m3	0.69	1		01/14/21 20:47	127-18-4		
Tetrahydrofuran	ND	ug/m3	0.60	1		01/14/21 20:47	109-99-9		
Toluene	ND	ug/m3	0.77	1		01/14/21 20:47	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	7.5	1		01/14/21 20:47	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.1	1		01/14/21 20:47	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.56	1		01/14/21 20:47	79-00-5		
Trichloroethene	ND	ug/m3	0.55	1		01/14/21 20:47	79-01-6		
Trichlorofluoromethane	ND	ug/m3	1.1	1		01/14/21 20:47	75-69-4		
1,2,4-Trimethylbenzene	ND	ug/m3	1.0	1		01/14/21 20:47	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.0	1		01/14/21 20:47	108-67-8		
Vinyl acetate	ND	ug/m3	0.72	1		01/14/21 20:47	108-05-4		
Vinyl chloride	ND	ug/m3	0.26	1		01/14/21 20:47	75-01-4		
m&p-Xylene	ND	ug/m3	1.8	1		01/14/21 20:47	179601-23-1		
o-Xylene	ND	ug/m3	0.88	1		01/14/21 20:47	95-47-6		
TO15 Non VAP Certified Comps	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
Dichlorotetrafluoroethane	ND	ug/m3	1.4	1		01/14/21 20:47	76-14-2		
Ethanol	ND	ug/m3	1.9	1		01/14/21 20:47	64-17-5		
4-Ethyltoluene	ND	ug/m3	2.5	1		01/14/21 20:47	622-96-8		
n-Heptane	ND	ug/m3	0.83	1		01/14/21 20:47	142-82-5		
2-Hexanone	ND	ug/m3	4.2	1		01/14/21 20:47	591-78-6		
2-Propanol	ND	ug/m3	2.5	1		01/14/21 20:47	67-63-0		
Propylene	ND	ug/m3	0.35	1		01/14/21 20:47	115-07-1		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.6	1		01/14/21 20:47	76-13-1		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MPL001 STORM/SANITARY

Pace Project No.: 10544538

Sample: MPL001:TB-1:AA010421 CERT1545		Lab ID: 10544538010		Collected:		Received: 01/11/21 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
Individual Can Certification	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
Benzene	ND	ug/m3	0.32	1		12/14/20 13:18	71-43-2		
1,3-Butadiene	ND	ug/m3	0.45	1		12/14/20 13:18	106-99-0		
Ethylbenzene	ND	ug/m3	0.88	1		12/14/20 13:18	100-41-4		
n-Hexane	ND	ug/m3	0.72	1		12/14/20 13:18	110-54-3		
Naphthalene	ND	ug/m3	2.7	1		12/14/20 13:18	91-20-3		
Tetrachloroethene	ND	ug/m3	0.69	1		12/14/20 13:18	127-18-4		
Trichloroethene	ND	ug/m3	0.55	1		12/14/20 13:18	79-01-6		
1,2,4-Trimethylbenzene	ND	ug/m3	1.0	1		12/14/20 13:18	95-63-6		
Vinyl chloride	ND	ug/m3	0.26	1		12/14/20 13:18	75-01-4		
m&p-Xylene	ND	ug/m3	1.8	1		12/14/20 13:18	179601-23-1		
o-Xylene	ND	ug/m3	0.88	1		12/14/20 13:18	95-47-6		

Sample: MPL001:TB-2:AA010521 CERT1475		Lab ID: 10544538011	Collected:		Received: 01/11/21 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification	Analytical Method: TO-15							
	Pace Analytical Services - Minneapolis							
	Benzene	ND	ug/m3	0.32	1		12/14/20 16:54	71-43-2
	1,3-Butadiene	ND	ug/m3	0.45	1		12/14/20 16:54	106-99-0
	Ethylbenzene	ND	ug/m3	0.88	1		12/14/20 16:54	100-41-4
	n-Hexane	ND	ug/m3	0.72	1		12/14/20 16:54	110-54-3
	Naphthalene	ND	ug/m3	2.7	1		12/14/20 16:54	91-20-3
	Tetrachloroethene	ND	ug/m3	0.69	1		12/14/20 16:54	127-18-4
	Trichloroethene	ND	ug/m3	0.55	1		12/14/20 16:54	79-01-6
	1,2,4-Trimethylbenzene	ND	ug/m3	1.0	1		12/14/20 16:54	95-63-6
	Vinyl chloride	ND	ug/m3	0.26	1		12/14/20 16:54	75-01-4
	m&p-Xylene	ND	ug/m3	1.8	1		12/14/20 16:54	179601-23-1
o-Xylene	ND	ug/m3	0.88	1		12/14/20 16:54	95-47-6	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MPL001 STORM/SANITARY

Pace Project No.: 10544538

QC Batch:	720377	Analysis Method:	TO-15
QC Batch Method:	TO-15	Analysis Description:	TO15
		Laboratory:	Pace Analytical Services - Minneapolis

Associated Lab Samples: 10544538001, 10544538002, 10544538003, 10544538004, 10544538006, 10544538007, 10544538008

METHOD BLANK: 3842426

Matrix: Air

Associated Lab Samples: 10544538001, 10544538002, 10544538003, 10544538004, 10544538006, 10544538007, 10544538008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	01/14/21 14:17	
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.70	01/14/21 14:17	
1,1,2-Trichloroethane	ug/m3	ND	0.56	01/14/21 14:17	
1,1-Dichloroethane	ug/m3	ND	0.82	01/14/21 14:17	
1,1-Dichloroethene	ug/m3	ND	0.81	01/14/21 14:17	
1,2,4-Trichlorobenzene	ug/m3	ND	7.5	01/14/21 14:17	
1,2,4-Trimethylbenzene	ug/m3	ND	1.0	01/14/21 14:17	
1,2-Dibromoethane (EDB)	ug/m3	ND	0.78	01/14/21 14:17	
1,2-Dichlorobenzene	ug/m3	ND	1.2	01/14/21 14:17	
1,2-Dichloroethane	ug/m3	ND	0.41	01/14/21 14:17	
1,2-Dichloropropane	ug/m3	ND	0.94	01/14/21 14:17	
1,3,5-Trimethylbenzene	ug/m3	ND	1.0	01/14/21 14:17	
1,3-Butadiene	ug/m3	ND	0.45	01/14/21 14:17	
1,3-Dichlorobenzene	ug/m3	ND	1.2	01/14/21 14:17	
1,4-Dichlorobenzene	ug/m3	ND	3.1	01/14/21 14:17	
2-Butanone (MEK)	ug/m3	ND	3.0	01/14/21 14:17	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	4.2	01/14/21 14:17	
Acetone	ug/m3	ND	6.0	01/14/21 14:17	
Benzene	ug/m3	ND	0.32	01/14/21 14:17	
Benzyl chloride	ug/m3	ND	2.6	01/14/21 14:17	
Bromodichloromethane	ug/m3	ND	1.4	01/14/21 14:17	
Bromoform	ug/m3	ND	5.2	01/14/21 14:17	
Bromomethane	ug/m3	ND	0.79	01/14/21 14:17	
Carbon disulfide	ug/m3	ND	0.63	01/14/21 14:17	
Carbon tetrachloride	ug/m3	ND	1.3	01/14/21 14:17	
Chlorobenzene	ug/m3	ND	0.94	01/14/21 14:17	
Chloroethane	ug/m3	ND	0.54	01/14/21 14:17	
Chloroform	ug/m3	ND	0.50	01/14/21 14:17	
Chloromethane	ug/m3	ND	0.42	01/14/21 14:17	
cis-1,2-Dichloroethene	ug/m3	ND	0.81	01/14/21 14:17	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	01/14/21 14:17	
Cyclohexane	ug/m3	ND	1.8	01/14/21 14:17	
Dibromochloromethane	ug/m3	ND	1.7	01/14/21 14:17	
Dichlorodifluoromethane	ug/m3	ND	1.0	01/14/21 14:17	
Ethyl acetate	ug/m3	ND	0.73	01/14/21 14:17	
Ethylbenzene	ug/m3	ND	0.88	01/14/21 14:17	
Hexachloro-1,3-butadiene	ug/m3	ND	5.4	01/14/21 14:17	
m&p-Xylene	ug/m3	ND	1.8	01/14/21 14:17	
Methyl-tert-butyl ether	ug/m3	ND	3.7	01/14/21 14:17	
Methylene Chloride	ug/m3	ND	3.5	01/14/21 14:17	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MPL001 STORM/SANITARY

Pace Project No.: 10544538

METHOD BLANK: 3842426

Matrix: Air

Associated Lab Samples: 10544538001, 10544538002, 10544538003, 10544538004, 10544538006, 10544538007, 10544538008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
n-Hexane	ug/m3	ND	0.72	01/14/21 14:17	
Naphthalene	ug/m3	ND	2.7	01/14/21 14:17	
o-Xylene	ug/m3	ND	0.88	01/14/21 14:17	
Styrene	ug/m3	ND	0.87	01/14/21 14:17	
Tetrachloroethene	ug/m3	ND	0.69	01/14/21 14:17	
Tetrahydrofuran	ug/m3	ND	0.60	01/14/21 14:17	
Toluene	ug/m3	ND	0.77	01/14/21 14:17	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	01/14/21 14:17	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	01/14/21 14:17	
Trichloroethene	ug/m3	ND	0.55	01/14/21 14:17	
Trichlorofluoromethane	ug/m3	ND	1.1	01/14/21 14:17	
Vinyl acetate	ug/m3	ND	0.72	01/14/21 14:17	
Vinyl chloride	ug/m3	ND	0.26	01/14/21 14:17	

LABORATORY CONTROL SAMPLE: 3842427

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	56.7	58.1	102	70-130	
1,1,2,2-Tetrachloroethane	ug/m3	73.4	84.3	115	62-130	
1,1,2-Trichloroethane	ug/m3	57.4	65.7	114	70-130	
1,1-Dichloroethane	ug/m3	43	44.1	103	70-130	
1,1-Dichloroethene	ug/m3	43.2	42.4	98	70-130	
1,2,4-Trichlorobenzene	ug/m3	81.1	133	164	69-144	L1,SS
1,2,4-Trimethylbenzene	ug/m3	52.3	62.9	120	60-136	
1,2-Dibromoethane (EDB)	ug/m3	82.1	93.7	114	70-130	
1,2-Dichlorobenzene	ug/m3	63.2	78.6	124	67-130	
1,2-Dichloroethane	ug/m3	42.8	44.3	103	70-130	
1,2-Dichloropropane	ug/m3	48.8	53.8	110	70-130	
1,3,5-Trimethylbenzene	ug/m3	53	60.2	114	69-130	
1,3-Butadiene	ug/m3	24.6	25.5	104	69-134	
1,3-Dichlorobenzene	ug/m3	60.3	69.1	115	69-130	
1,4-Dichlorobenzene	ug/m3	66	80.5	122	70-133	
2-Butanone (MEK)	ug/m3	30	37.0	123	65-137	
4-Methyl-2-pentanone (MIBK)	ug/m3	42.1	53.3	127	70-135	
Acetone	ug/m3	26.2	25.9	99	60-130	
Benzene	ug/m3	34.4	34.0	99	70-130	
Benzyl chloride	ug/m3	52.4	62.8	120	68-147	
Bromodichloromethane	ug/m3	69.1	72.1	104	70-130	
Bromoform	ug/m3	108	136	126	64-141	
Bromomethane	ug/m3	41	40.2	98	70-130	
Carbon disulfide	ug/m3	34.3	33.7	98	70-130	
Carbon tetrachloride	ug/m3	65.5	61.7	94	70-134	
Chlorobenzene	ug/m3	49.5	51.3	103	67-130	
Chloroethane	ug/m3	28	31.0	111	70-137	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MPL001 STORM/SANITARY

Pace Project No.: 10544538

LABORATORY CONTROL SAMPLE: 3842427

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/m3	50	51.9	104	70-130	
Chloromethane	ug/m3	22.1	21.5	97	70-130	
cis-1,2-Dichloroethene	ug/m3	41.8	43.2	103	70-130	
cis-1,3-Dichloropropene	ug/m3	46	59.7	130	70-137	
Cyclohexane	ug/m3	36.4	42.6	117	70-139	
Dibromochloromethane	ug/m3	88.7	93.3	105	70-130	
Dichlorodifluoromethane	ug/m3	54.9	50.4	92	70-130	
Ethyl acetate	ug/m3	37.7	42.4	112	70-131	
Ethylbenzene	ug/m3	46.3	53.6	116	70-130	
Hexachloro-1,3-butadiene	ug/m3	116	136	117	62-142	
m&p-Xylene	ug/m3	46	53.9	117	70-130	
Methyl-tert-butyl ether	ug/m3	34.9	41.3	119	70-138	
Methylene Chloride	ug/m3	38.8	39.3	101	70-130	
n-Hexane	ug/m3	36.8	39.9	108	69-140	
Naphthalene	ug/m3	58.3	82.6	142	70-138 L1,SS	
o-Xylene	ug/m3	46.5	52.6	113	70-130	
Styrene	ug/m3	45.2	54.6	121	70-134	
Tetrachloroethene	ug/m3	74.9	72.7	97	68-130	
Tetrahydrofuran	ug/m3	29.8	32.6	110	70-137	
Toluene	ug/m3	40.4	45.8	113	70-133	
trans-1,2-Dichloroethene	ug/m3	41.9	42.4	101	70-130	
trans-1,3-Dichloropropene	ug/m3	43.4	58.7	135	70-141	
Trichloroethene	ug/m3	56.7	60.1	106	70-130	
Trichlorofluoromethane	ug/m3	59.6	56.1	94	70-130	
Vinyl acetate	ug/m3	32.5	41.5	128	70-143	
Vinyl chloride	ug/m3	28.5	27.7	97	70-130	

SAMPLE DUPLICATE: 3843420

Parameter	Units	10544538007 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	ND		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND		25	
1,1,2-Trichloroethane	ug/m3	ND	ND		25	
1,1-Dichloroethane	ug/m3	ND	ND		25	
1,1-Dichloroethene	ug/m3	ND	ND		25	
1,2,4-Trichlorobenzene	ug/m3	ND	ND		25	
1,2,4-Trimethylbenzene	ug/m3	ND	ND		25	
1,2-Dibromoethane (EDB)	ug/m3	ND	ND		25	
1,2-Dichlorobenzene	ug/m3	ND	ND		25	
1,2-Dichloroethane	ug/m3	ND	ND		25	
1,2-Dichloropropane	ug/m3	ND	ND		25	
1,3,5-Trimethylbenzene	ug/m3	ND	ND		25	
1,3-Butadiene	ug/m3	ND	ND		25	
1,3-Dichlorobenzene	ug/m3	ND	ND		25	
1,4-Dichlorobenzene	ug/m3	ND	ND		25	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MPL001 STORM/SANITARY

Pace Project No.: 10544538

SAMPLE DUPLICATE: 3843420

Parameter	Units	10544538007 Result	Dup Result	RPD	Max RPD	Qualifiers
2-Butanone (MEK)	ug/m3	ND	ND		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND		25	
Acetone	ug/m3	ND	ND		25	
Benzene	ug/m3	ND	ND		25	
Benzyl chloride	ug/m3	ND	ND		25	
Bromodichloromethane	ug/m3	ND	ND		25	
Bromoform	ug/m3	ND	ND		25	
Bromomethane	ug/m3	ND	ND		25	
Carbon disulfide	ug/m3	ND	ND		25	
Carbon tetrachloride	ug/m3	ND	ND		25	
Chlorobenzene	ug/m3	ND	ND		25	
Chloroethane	ug/m3	ND	ND		25	
Chloroform	ug/m3	ND	ND		25	
Chloromethane	ug/m3	ND	ND		25	
cis-1,2-Dichloroethene	ug/m3	ND	ND		25	
cis-1,3-Dichloropropene	ug/m3	ND	ND		25	
Cyclohexane	ug/m3	ND	ND		25	
Dibromochloromethane	ug/m3	ND	ND		25	
Dichlorodifluoromethane	ug/m3	ND	ND		25	
Ethyl acetate	ug/m3	ND	ND		25	
Ethylbenzene	ug/m3	ND	ND		25	
Hexachloro-1,3-butadiene	ug/m3	ND	ND		25	
m&p-Xylene	ug/m3	ND	ND		25	
Methyl-tert-butyl ether	ug/m3	ND	ND		25	
Methylene Chloride	ug/m3	ND	ND		25	
n-Hexane	ug/m3	ND	ND		25	
Naphthalene	ug/m3	ND	ND		25	
o-Xylene	ug/m3	ND	ND		25	
Styrene	ug/m3	ND	ND		25	
Tetrachloroethene	ug/m3	ND	ND		25	
Tetrahydrofuran	ug/m3	ND	ND		25	
Toluene	ug/m3	ND	ND		25	
trans-1,2-Dichloroethene	ug/m3	ND	ND		25	
trans-1,3-Dichloropropene	ug/m3	ND	ND		25	
Trichloroethene	ug/m3	ND	ND		25	
Trichlorofluoromethane	ug/m3	ND	ND		25	
Vinyl acetate	ug/m3	ND	ND		25	
Vinyl chloride	ug/m3	ND	ND		25	

SAMPLE DUPLICATE: 3843425

Parameter	Units	10544538002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	ND		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND		25	
1,1,2-Trichloroethane	ug/m3	ND	ND		25	

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QUALITY CONTROL DATA

Project: MPL001 STORM/SANITARY

Pace Project No.: 10544538

SAMPLE DUPLICATE: 3843425

Parameter	Units	10544538002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1-Dichloroethane	ug/m3	ND	ND		25	
1,1-Dichloroethene	ug/m3	ND	ND		25	
1,2,4-Trichlorobenzene	ug/m3	ND	ND		25	
1,2,4-Trimethylbenzene	ug/m3	ND	ND		25	
1,2-Dibromoethane (EDB)	ug/m3	ND	ND		25	
1,2-Dichlorobenzene	ug/m3	ND	ND		25	
1,2-Dichloroethane	ug/m3	ND	ND		25	
1,2-Dichloropropane	ug/m3	ND	ND		25	
1,3,5-Trimethylbenzene	ug/m3	ND	ND		25	
1,3-Butadiene	ug/m3	ND	ND		25	
1,3-Dichlorobenzene	ug/m3	ND	ND		25	
1,4-Dichlorobenzene	ug/m3	ND	ND		25	
2-Butanone (MEK)	ug/m3	ND	ND		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND		25	
Acetone	ug/m3	ND	5.3J		25	
Benzene	ug/m3	0.84	0.90	6	25	
Benzyl chloride	ug/m3	ND	ND		25	
Bromodichloromethane	ug/m3	ND	ND		25	
Bromoform	ug/m3	ND	ND		25	
Bromomethane	ug/m3	ND	ND		25	
Carbon disulfide	ug/m3	ND	ND		25	
Carbon tetrachloride	ug/m3	ND	ND		25	
Chlorobenzene	ug/m3	ND	ND		25	
Chloroethane	ug/m3	ND	ND		25	
Chloroform	ug/m3	ND	ND		25	
Chloromethane	ug/m3	ND	ND		25	
cis-1,2-Dichloroethene	ug/m3	2.9	3.1	7	25	
cis-1,3-Dichloropropene	ug/m3	ND	ND		25	
Cyclohexane	ug/m3	ND	ND		25	
Dibromochloromethane	ug/m3	ND	ND		25	
Dichlorodifluoromethane	ug/m3	2.6	2.5	4	25	
Ethyl acetate	ug/m3	ND	ND		25	
Ethylbenzene	ug/m3	ND	ND		25	
Hexachloro-1,3-butadiene	ug/m3	ND	ND		25	
m&p-Xylene	ug/m3	ND	ND		25	
Methyl-tert-butyl ether	ug/m3	ND	ND		25	
Methylene Chloride	ug/m3	ND	ND		25	
n-Hexane	ug/m3	ND	.68J		25	
Naphthalene	ug/m3	ND	ND		25	
o-Xylene	ug/m3	ND	ND		25	
Styrene	ug/m3	ND	ND		25	
Tetrachloroethene	ug/m3	1.9	1.8	7	25	
Tetrahydrofuran	ug/m3	ND	ND		25	
Toluene	ug/m3	1.3	1.3	2	25	
trans-1,2-Dichloroethene	ug/m3	ND	ND		25	
trans-1,3-Dichloropropene	ug/m3	ND	ND		25	
Trichloroethene	ug/m3	1.5	1.3	10	25	

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QUALITY CONTROL DATA

Project: MPL001 STORM/SANITARY

Pace Project No.: 10544538

SAMPLE DUPLICATE: 3843425

Parameter	Units	10544538002 Result	Dup Result	RPD	Max RPD	Qualifiers
Trichlorofluoromethane	ug/m3	ND	1.5J		25	
Vinyl acetate	ug/m3	ND	ND		25	
Vinyl chloride	ug/m3	ND	ND		25	

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QUALITY CONTROL DATA

Project: MPL001 STORM/SANITARY

Pace Project No.: 10544538

QC Batch:	720378	Analysis Method:	TO-15
QC Batch Method:	TO-15	Analysis Description:	TO15
		Laboratory:	Pace Analytical Services - Minneapolis

Associated Lab Samples: 10544538001, 10544538002, 10544538003, 10544538004, 10544538006, 10544538007, 10544538008

METHOD BLANK: 3842428

Matrix: Air

Associated Lab Samples: 10544538001, 10544538002, 10544538003, 10544538004, 10544538006, 10544538007, 10544538008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	01/14/21 14:17	
2-Hexanone	ug/m3	ND	4.2	01/14/21 14:17	
2-Propanol	ug/m3	ND	2.5	01/14/21 14:17	
4-Ethyltoluene	ug/m3	ND	2.5	01/14/21 14:17	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	01/14/21 14:17	
Ethanol	ug/m3	ND	1.9	01/14/21 14:17	
n-Heptane	ug/m3	ND	0.83	01/14/21 14:17	
Propylene	ug/m3	ND	0.35	01/14/21 14:17	

LABORATORY CONTROL SAMPLE: 3842429

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2-Trichlorotrifluoroethane	ug/m3	81.1	80.5	99	70-130	
2-Hexanone	ug/m3	37.6	55.6	148	70-145	L1,SS
2-Propanol	ug/m3	27.5	25.0	91	70-130	
4-Ethyltoluene	ug/m3	52.7	64.6	123	70-134	
Dichlorotetrafluoroethane	ug/m3	77.9	69.2	89	70-130	
Ethanol	ug/m3	21.1	18.8	89	65-130	
n-Heptane	ug/m3	42.8	50.8	119	70-134	
Propylene	ug/m3	18.3	19.9	108	70-137	

SAMPLE DUPLICATE: 3843480

Parameter	Units	10544538007 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	ND		25	
2-Hexanone	ug/m3	ND	ND		25	
2-Propanol	ug/m3	ND	ND		25	
4-Ethyltoluene	ug/m3	ND	ND		25	
Dichlorotetrafluoroethane	ug/m3	ND	ND		25	
Ethanol	ug/m3	ND	ND		25	
n-Heptane	ug/m3	ND	ND		25	
Propylene	ug/m3	ND	ND		25	

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QUALITY CONTROL DATA

Project: MPL001 STORM/SANITARY

Pace Project No.: 10544538

SAMPLE DUPLICATE: 3843481

Parameter	Units	10544538002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	ND		25	
2-Hexanone	ug/m3	ND	ND		25	
2-Propanol	ug/m3	ND	1.6J		25	
4-Ethyltoluene	ug/m3	ND	ND		25	
Dichlorotetrafluoroethane	ug/m3	ND	ND		25	
Ethanol	ug/m3	8.6	7.8	9	25	
n-Heptane	ug/m3	ND	ND		25	
Propylene	ug/m3	ND	ND		25	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: MPL001 STORM/SANITARY

Pace Project No.: 10544538

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

- | | |
|----|--|
| L1 | Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high. |
| SS | This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value. |

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MPL001 STORM/SANITARY

Pace Project No.: 10544538

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10544538010	MPL001:TB-1:AA010421 CERT1545	TO-15	720087		
10544538011	MPL001:TB-2:AA010521 CERT1475	TO-15	720087		
10544538001	MPL001:HSW-18A:AA010621	TO-15	720377		
10544538002	MPL001:HSW-19A:AA010421	TO-15	720377		
10544538003	MPL001:HSW-20A:AA010421	TO-15	720377		
10544538004	MPL001:HSS-18:AA010521	TO-15	720377		
10544538006	MPL001:HSS-20:AA010521	TO-15	720377		
10544538007	MPL001:TB-1:AA010421	TO-15	720377		
10544538008	MPL001:TB-2:AA010521	TO-15	720377		
10544538001	MPL001:HSW-18A:AA010621	TO-15	720378		
10544538002	MPL001:HSW-19A:AA010421	TO-15	720378		
10544538003	MPL001:HSW-20A:AA010421	TO-15	720378		
10544538004	MPL001:HSS-18:AA010521	TO-15	720378		
10544538006	MPL001:HSS-20:AA010521	TO-15	720378		
10544538007	MPL001:TB-1:AA010421	TO-15	720378		
10544538008	MPL001:TB-2:AA010521	TO-15	720378		

REPORT OF LABORATORY ANALYSIS

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CHAIN OF CUSTODY RECORD

NO. 1465

Dublin, OH ☐ Newark, OH ☐ Mason, OH ☐ Bedford, OH ☒ Toledo, OH ☐ St. Clairsville, OH ☐ Pittsburgh, PA ☐
 6397 Emerald Pkwy 59 Grant St. 4770 Duke Dr. 4 Hemisphere Way 219 S. Erie St. 156 Woodrow Avenue 300 Merchant Ln.,
 Suite 200 Newark, OH 43055 Suite 207 Bedford, OH 44146 Toledo, OH 43604 Suite 3 Suite 307
 Dublin, OH 43016 P: (740) 344-5451 Mason, OH 45040 P: (440) 232-9945 St. Clairsville, OH 43950 Pittsburgh, PA 15205
 P: (614) 793-8777 P: (513) 459-9677 P: (740) 217-2460 P: (412) 446-0315

REPORT TO: LINDSAY CROW / DATA ADMIN

Client: MAPLE ST. COMMERCE
 Site: STORM / SANITARY
 Project #: MPLOO1 Phase:
 Samplers: D. SANSONE, I. REIDER
 Purchase Order #: MPLOO1.27FLD. JLMQ5

SAMPLE MATRIX
 AA-AMBIENT AIR
 C-ASBESTOS
 D-SEDIMENT
 G-GROUNDWATER
 IA-INDOOR AIR
 L-LEACHATE
 P-PRODUCT
 S-SOIL
 SG-SOIL GAS
 SS-SUBSLAB
 VAPOR
 W-WATER
 X-CONCRETE

PRESERVATIVES
 A-Cool only, <4 deg. C
 B-HNO₃ pH<2
 C-H₂SO₄ pH<2
 D-NaOH pH>12
 E-ZnAcetate + NaOH, pH>9
 F-Na₂S₂O₃ (0.008%)
 G-HCL pH <2
 H-EDTA
 I-5ml 1:1 HCL
 J-none
 K-Stored in dark
 L-NH₄Cl
 M-Methanol
 S-Sodium

METALS
 N - Not filtered
 F45u- filtered with 0.45 micron
 F5u- filtered with 5 micron

PRESERVATIVES

ANALYSES

WO#: 10544538



PROJECT NO. : SAMPLE LOCATION : SAMPLE MATRIX & ID	NO. OF CONT.	SAMPLE TYPE (discrete composite)	COLLECTION DATE/TIME	METALS	COMMENTS
MPLOO1 : HSW-18A : AA010621	1	8HR-C	1-6-21 / 15:25	N/A	X 001
MPLOO1 : HSW-19A : AA010421	1	8HR-C	1-4-21 / 16:04		X 002
MPLOO1 : HSW-20A : AA010421	1	8HR-C	1-4-21 / 17:00		X 003
MPLOO1 : HSS-18 : AA010521	1	8HR-C	1-5-21 / 15:20		X 004
MPLOO1 : HSS-19 : AA010521	1	8HR-C	1-5-21 / 16:50		X 005
MPLOO1 : HSS-20 : AA010521	1	8HR-C	1-5-21 / 15:45	✓	X 006
MPLOO1 : TB-1 : AA010421	1	-	1-4-21 / -	-	X 007 010
MPLOO1 : TB-2 : AA010521	1	-	1-5-21 / -	-	X 008 011
:	:	:	/		
:	:	:	/		
:	:	:	/		
:	:	:	/		

RELINQUISHED BY: [Signature] DATE: 4/6/21 RECEIVED BY: [Signature] DATE: 1/11/21
 TIME: 16:30 TIME: 900
 RELINQUISHED BY: DATE: RECEIVED BY: DATE:
 TIME: TIME:
 RELINQUISHED BY: DATE: RECEIVED BY: DATE:
 TIME: TIME:
 Deliver To: PACE MN
 Method of Delivery: FEDEX
 Airbill Number:
 Regulatory Program:
 Required Limits:

COOLER TEMPERATURE AS RECEIVED °C
 DISTRIBUTION: WHITE -LAB USE (MUST BE RETURNED WITH REPORT) NOTES:
 YELLOW -LAB USE
 PINK -RETAINED BY HULL
 TURN AROUND TIME: DAYS



Document Name:
Sample Condition Upon Receipt (SCUR) - Air

Document Revised: 24Mar2020

Page 1 of 1

Document No.:
ENV-FRM-MIN4-0113 Rev 00

Pace Analytical Services -
Minneapolis

Air Sample Condition
Upon Receipt

Client Name: Hull

Project #:

WO#: 10544538

PM: CT1

Due Date: 01/18/21

CLIENT: Hull & assoc

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client
☐ Pace ☐ Speedee ☐ Commercial See Exception

Tracking Number: 1723 2548 1800

Custody Seal on Cooler/Box Present? ☐ Yes ☒ No Seals Intact? ☐ Yes ☒ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☐ Tin Can ☐ Other: _____

Temp Blank rec: ☐ Yes ☒ No

Temp. (TO17 and TO13 samples only) (°C): Corrected Temp (°C):

Thermometer Used: ☐ G87A9170600254
☐ G87A9155100842

Temp should be above freezing to 6°C Correction Factor:

Date & Initials of Person Examining Contents: M 1/1/21

Type of ice Received ☐ Blue ☐ Wet ☒ None

Comments:

Chain of Custody Present?	☒ Yes ☐ No	1.
Chain of Custody Filled Out?	☒ Yes ☐ No	2.
Chain of Custody Relinquished?	☒ Yes ☐ No	3.
Sampler Name and/or Signature on COC?	☒ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time?	☒ Yes ☐ No	5.
Short Hold Time Analysis (<72 hr)?	☐ Yes ☒ No	6.
Rush Turn Around Time Requested?	☐ Yes ☒ No	7.
Sufficient Volume?	☒ Yes ☐ No	8.
Correct Containers Used?		
(Tedlar bags not acceptable container for TO-14, TO-15 or APH)		
-Pace Containers Used?	☒ Yes ☐ No	9.
Containers Intact?		
(visual inspection/no leaks when pressurized)	☐ Yes ☒ No	10.
Media: <u>Air Can</u> Airbag Filter TDT Passive		11. Individually Certified Cans Y <u>N</u> (list which samples)
Is sufficient information available to reconcile samples to the COC?	☒ Yes ☐ No	12. <u>Pace 1201 + 1715 FC 1865 + 1807</u> <u>Came back damaged,</u> <u>TB's not labeled</u>
Do cans need to be pressurized?		
(DO NOT PRESSURIZE 3C or ASTM 1946!!!)	☒ Yes ☐ No	13.

Gauge # ☐ 10AIR26 ☒ 10AIR34 ☐ 10AIR35 ☐ 4097

Canisters

Canisters

Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
18A	931	2251	-5	5	TB-2	1478	-	+15.5	-
19A	3511	1996	-4.5	1	Unused	1201	1865	-22.5	-
20A	3529	270	-5	↓					
18	1701	1058	-5	↓					
19	1715	1807							
20	507	1025	-6	5					
① TB-1	120								
TB-2 TB-1	1545	-	+22.5	-					

CLIENT NOTIFICATION/RESOLUTION

Person Contacted: Lindsay Crow

Date/Time: 1/11/21

Field Data Required? ☐ Yes ☐ No

Comments/Resolution: notified regarding can damage

Project Manager Review: Carolynne Hunt

Date: 1/11/21

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)