LELAP CERTIFICATE NUMBER: 01955
DOD-ELAP ACCREDITATION NUMBER: 74960

ANALYTICAL RESULTS

PERFORMED BY

Pace Analytical Gulf Coast
7979 Innovation Park Dr.
Baton Rouge, LA 70820
(225) 769-4900

Report Date 11/30/2019

Report # 219112913

Project 112312 South 4 Group Fire

Deliver To	*Additional Recipients*
Shawn Wnek	Labresults@cteh.com, CTEH
CTEH	BJ Fogleman, CTEH
5120 North Shore Drive	Eric Allaby, CTEH
North Little Rock, AR 72118	Linda Easton, CTEH

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with Pace Gulf Coast's Standard Operating Procedures.

Common Abbreviations that may be Utilized in this Report

ND	Indicates the result was Not Detected at the specified reporting limit
NO	Indicates the sample did not ignite when preliminary test performed for EPA Method 1030
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
DL	Detection Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
RE	Re-analysis
CF	HPLC or GC Confirmation
00:01	Reported as a time equivalent to 12:00 AM

Reporting Flags that may be Utilized in this Report

J or I	Indicates the result is between the MDL and LOQ
J	DOD flag on analyte in the parent sample for MS/MSD outside acceptance criteria
U	Indicates the compound was analyzed for but not detected
B or V	Indicates the analyte was detected in the associated Method Blank
Q	Indicates a non-compliant QC Result (See Q Flag Application Report)
*****	Indicates a non-compliant or not applicable QC recovery or RPD – see narrative
E	Organics - The result is estimated because it exceeded the instrument calibration range
E	Metals - % diference for the serial dilution is > 10%
L	Reporting Limits adjusted to meet risk-based limit.
P	RPD between primary and confirmation result is greater than 40
DL	Diluted analysis – when appended to Client Sample ID

Sample receipt at Pace Gulf Coast is documented through the attached chain of custody. In accordance with NELAC, this report shall be reproduced only in full and with the written permission of Pace Gulf Coast. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with The NELAC Institute (TNI) Standard 2009 and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.

Authorized Signature
Pace Gulf Coast Report 219112913

Certifications

Certification	Certification Number
DOD ELAP	74960
Alabama	01955
Arkansas	88-0655
Colorado	01955
Delaware	01955
Florida	E87854
Georgia	01955
Hawaii	01955
Idaho	01955
Illinois	200048
Indiana	01955
Kansas	E-10354
Kentucky	95
Louisiana	01955
Maryland	01955
Massachusetts	01955
Michigan	01955
Mississippi	01955
Missouri	01955
Montana	N/A
Nebraska	01955
New Mexico	01955
North Carolina	618
North Dakota	R-195
Oklahoma	9403
South Carolina	73006001
South Dakota	01955
Tennessee	01955
Texas	T104704178
Vermont	01955
Virginia	460215
Washington	C929
USDA Soil Permit	P330-16-00234

Case Narrative

Client: CTEH **Report:** 219112913

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the Report Sample Summary page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

COC ANOMALIES

The collection time of 11:20 noted on the COC for client ID PNTX1129X004 (PAGC ID 21911291304) did not match the collection time noted on the container labels of 10:50. The lab proceeded with login using the collection time noted on the container labels. (Elizabeth Martin 11/29/2019 23:48)

VOLATILES MASS SPECTROMETRY

In the EPA 8260B analysis for analytical batch 672360, Methylene chloride was detected at an estimated concentration in the method blank. This is probable laboratory contamination.

SEMI-VOLATILES MASS SPECTROMETRY

In the MSSV-8270 scan analysis of samples 21911291301 (PNTX1129X001), 21911291303 (PNTX1129X003) and 21911291304 (PNTX1129X004), several surrogates were recovered below QC limits or not recovered at all. This is attributed to the sample matrix. There was insufficient sample volume to re prep to confirm this matrix so no corrective action was taken.

In the EPA 8270C SIM analysis, the recoveries for the surrogates are reported as diluted out for those analyses performed at a 10 or higher dilution.

MISCELLANEOUS

N-nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine. The laboratory uses N-nitrosodiphenylamine as the calibration and QC standard.

Sample Summary

LAB ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21911291301	PNTX1129X001	Water	11/29/2019 12:00	11/29/2019 19:17
21911291302	PNTX1129X002	Water	11/29/2019 09:10	11/29/2019 19:17
21911291303	PNTX1129X003	Water	11/29/2019 09:15	11/29/2019 19:17
21911291304	PNTX1129X004	Water	11/29/2019 10:50	11/29/2019 19:17
21911291305	PNTX1129T001	Water	11/29/2019 00:01	11/29/2019 19:17
21911291306	PNTX1129T002	Water	11/29/2019 00:01	11/29/2019 19:17

ED_004207_00000836-00005

Summary of Compounds Detected

PNTX1129X001	**Collect Date**	11/29/2019 12:00	**LAB ID**	21911291301
	Receive Date	11/29/2019 19:17	**Matrix**	Water

EPA 8260B

CAS#	Parameter	Result	DL	LOQ	Units
71-43-2	Benzene	0.273J	0.200	5.00	ug/L
75-09-2	Methylene chloride	0.568J	0.200	5.00	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	2.72J	0.200	5.00	ug/L

Library Search VOCs

CAS#	Parameter	Result	Retention	Units
TIC-1	1	ND		ug/L

EPA 8270C SIM

CAS#	Parameter	Result	DL	LOQ	Units
90-12-0	1-Methylnaphthalene	1.14	0.040	0.100	ug/L
91-57-6	2-Methylnaphthalene	1.44	0.040	0.100	ug/L
83-32-9	Acenaphthene	0.160	0.013	0.100	ug/L
208-96-8	Acenaphthylene	4.68	0.040	0.100	ug/L
120-12-7	Anthracene	0.365	0.040	0.100	ug/L
56-55-3	Benzo(a)anthracene	0.309	0.025	0.100	ug/L
50-32-8	Benzo(a)pyrene	0.292	0.013	0.100	ug/L
205-99-2	Benzo(b)fluoranthene	0.295	0.013	0.100	ug/L
191-24-2	Benzo(g,h,i)perylene	0.242	0.013	0.100	ug/L
207-08-9	Benzo(k)fluoranthene	0.118	0.025	0.100	ug/L
218-01-9	Chrysene	0.371	0.025	0.100	ug/L
206-44-0	Fluoranthene	2.02	0.013	0.100	ug/L
86-73-7	Fluorene	1.05	0.040	0.100	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.164	0.013	0.100	ug/L
91-20-3	Naphthalene	18.5	0.063	0.500	ug/L
85-01-8	Phenanthrene	3.60	0.013	0.100	ug/L
129-00-0	Pyrene	2.40	0.025	0.100	ug/L

EPA 8015C

CAS#	Parameter	Result	DL	LOQ	Units
107-21-1	Ethylene Glycol	0.570J	0.265	1.00	mg/L

Summary of Compounds Detected

PNTX1129X001	**Collect Date**	11/29/2019 12:00	**LAB ID**	21911291301
	Receive Date	11/29/2019 19:17	**Matrix**	Water

TX1005

CAS#	Parameter	Result	DL	LOQ	Units
GCSV-05-02	>C12-C28	1390J	122	2330	ug/L
GCSV-05-04	Total TPH (C6-C35)	1390J	105	2330	ug/L

EPA 1664A

CAS#	Parameter	Result	DL	LOQ	Units
C-007	Oil and Grease	6.4	1.5	5.0	mg/L

SM 5310 B-2011

CAS#	Parameter	Result	DL	LOQ	Units
C-012	Total Organic Carbon	2.01	0.300	2.00	mg/L

PNTX1129X002	**Collect Date**	11/29/2019 09:10	**LAB ID**	21911291302
	Receive Date	11/29/2019 19:17	**Matrix**	Water

EPA 8260B

CAS#	Parameter	Result	DL	LOQ	Units
67-64-1	Acetone	5.28	0.500	5.00	ug/L
71-43-2	Benzene	0.846J	0.200	5.00	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	65.5	0.200	5.00	ug/L

Library Search VOCs

CAS#	Parameter	Result	Retention	Units
TIC-1	1	ND		ug/L

EPA 8270C SIM

CAS#	Parameter	Result	DL	LOQ	Units
91-20-3	Naphthalene	0.139	0.013	0.100	ug/L

Summary of Compounds Detected

PNTX1129X002	**Collect Date**	11/29/2019 09:10	**LAB ID**	21911291302
	Receive Date	11/29/2019 19:17	**Matrix**	Water

EPA 8015C

CAS#	Parameter	Result	DL	LOQ	Units
107-21-1	Ethylene Glycol	0.479J	0.265	1.00	mg/L

SM 5310 B-2011

CAS#	Parameter	Result	DL	LOQ	Units
C-012	Total Organic Carbon	42.9	0.300	2.00	mg/L

PNTX1129X003	**Collect Date**	11/29/2019 09:15	**LAB ID**	21911291303
	Receive Date	11/29/2019 19:17	**Matrix**	Water

EPA 8260B

CAS#	Parameter	Result	DL	LOQ	Units
95-63-6	1,2,4-Trimethylbenzene	1.68J	0.200	5.00	ug/L
78-93-3	2-Butanone	43.2	0.200	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	0.592J	0.200	5.00	ug/L
67-64-1	Acetone	35.7	0.500	5.00	ug/L
71-43-2	Benzene	68.2	0.200	5.00	ug/L
67-66-3	Chloroform	2.37J	0.200	5.00	ug/L
100-41-4	Ethylbenzene	13.4	0.200	5.00	ug/L
136777-61-2	m,p-Xylene	24.1	0.200	10.0	ug/L
75-09-2	Methylene chloride	0.938J	0.200	5.00	ug/L
91-20-3	Naphthalene	71.0	0.200	5.00	ug/L
95-47-6	o-Xylene	11.1	0.200	5.00	ug/L
100-42-5	Styrene	25.3	0.200	5.00	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	89.6	0.200	5.00	ug/L
108-88-3	Toluene	12.3	0.200	5.00	ug/L
1330-20-7	Xylene (total)	35.2	0.400	15.0	ug/L

Library Search VOCs

CAS#	Parameter	Result	Retention	Units
7446-09-5	Sulfur dioxide	26.1	1.85	ug/L
100-40-3	Cyclohexene, 4-ethenyl-	209	8.61	ug/L
	Unknown	46.8	8.94	ug/L
95-47-6	Benzene, 1,2-dimethyl-	17.4	9.25	ug/L
111-78-4	1,5-Cyclooctadiene	14.9	9.69	ug/L
77-73-6	4,7-Methano-1H-indene, 3a,4,7,7a-tetrahy	75.7	10.48	ug/L
95-13-6	Indene	20.9	10.89	ug/L
933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	18.6	11.24	ug/L

Summary of Compounds Detected

PNTX1129X003	**Collect Date**	11/29/2019 09:15	**LAB ID**	21911291303
	Receive Date	11/29/2019 19:17	**Matrix**	Water

Library Search VOCs (Continued)

CAS#	Parameter	Result	Retention	Units
3333-13-9	Benzene, 1-methyl-4-(2-propenyl)-	13.1	11.54	ug/L
	Unknown	60.8	1.96	ug/L
106-99-0	1,3-Butadiene	95.2	2.02	ug/L
115-11-7	1-Propene, 2-methyl-	20.6	2.11	ug/L
	Unknown	20.9	2.15	ug/L
590-19-2	1,2-Butadiene	15.6	2.28	ug/L
591-95-7	1,2-Pentadiene	23.6	2.55	ug/L
503-17-3	2-Butyne	27.4	2.77	ug/L
1634-04-4	Propane, 2-methoxy-2-methyl-	64.8	4.29	ug/L

EPA 8270C SIM

CAS#	Parameter	Result	DL	LOQ	Units
90-12-0	1-Methylnaphthalene	3.21	0.043	0.109	ug/L
91-57-6	2-Methylnaphthalene	3.98	0.043	0.109	ug/L
83-32-9	Acenaphthene	0.492	0.014	0.109	ug/L
208-96-8	Acenaphthylene	9.56	0.435	1.09	ug/L
120-12-7	Anthracene	1.84	0.043	0.109	ug/L
56-55-3	Benzo(a)anthracene	0.992	0.027	0.109	ug/L
50-32-8	Benzo(a)pyrene	1.04	0.014	0.109	ug/L
205-99-2	Benzo(b)fluoranthene	0.896	0.014	0.109	ug/L
191-24-2	Benzo(g,h,i)perylene	0.439	0.014	0.109	ug/L
207-08-9	Benzo(k)fluoranthene	0.385	0.027	0.109	ug/L
218-01-9	Chrysene	0.999	0.027	0.109	ug/L
53-70-3	Dibenz(a,h)anthracene	0.043J	0.027	0.109	ug/L
206-44-0	Fluoranthene	5.27	0.014	0.109	ug/L
86-73-7	Fluorene	3.35	0.043	0.109	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.390	0.014	0.109	ug/L
91-20-3	Naphthalene	30.1	0.136	1.09	ug/L
85-01-8	Phenanthrene	10.5	0.014	0.109	ug/L
129-00-0	Pyrene	5.82	0.027	0.109	ug/L

EPA 8015C

CAS#	Parameter	Result	DL	LOQ	Units
107-21-1	Ethylene Glycol	0.551J	0.265	1.00	mg/L

TX1005

CAS#	Parameter	Result	DL	LOQ	Units
GCSV-05-02	>C12-C28	4050	124	2370	ug/L

Summary of Compounds Detected

PNTX1129X003	**Collect Date**	11/29/2019 09:15	**LAB ID**	21911291303
	Receive Date	11/29/2019 19:17	**Matrix**	Water

TX1005 (Continued)

CAS#	Parameter	Result	DL	LOQ	Units
GCSV-05-04	Total TPH (C6-C35)	4050	107	2370	ug/L

EPA 1664A

CAS#	Parameter	Result	DL	LOQ	Units
C-007	Oil and Grease	11.1	1.7	5.6	mg/L

SM 5310 B-2011

CAS#	Parameter	Result	DL	LOQ	Units
C-012	Total Organic Carbon	76.7	0.300	2.00	mg/L

PNTX1129X004	**Collect Date**	11/29/2019 10:50	**LAB ID**	21911291304
	Receive Date	11/29/2019 19:17	**Matrix**	Water

EPA 8260B

CAS#	Parameter	Result	DL	LOQ	Units
95-63-6	1,2,4-Trimethylbenzene	0.980J	0.200	5.00	ug/L
78-93-3	2-Butanone	31.0	0.200	5.00	ug/L
67-64-1	Acetone	22.0	0.500	5.00	ug/L
71-43-2	Benzene	46.5	0.200	5.00	ug/L
67-66-3	Chloroform	3.45J	0.200	5.00	ug/L
100-41-4	Ethylbenzene	6.95	0.200	5.00	ug/L
136777-61-2	m,p-Xylene	5.30J	0.200	10.0	ug/L
75-09-2	Methylene chloride	0.418J	0.200	5.00	ug/L
91-20-3	Naphthalene	95.3	0.200	5.00	ug/L
95-47-6	o-Xylene	2.83J	0.200	5.00	ug/L
100-42-5	Styrene	13.8	0.200	5.00	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	107	0.200	5.00	ug/L
108-88-3	Toluene	8.88	0.200	5.00	ug/L
1330-20-7	Xylene (total)	8.13J	0.400	15.0	ug/L

Library Search VOCs

CAS#	Parameter	Result	Retention	Units
7446-09-5	Sulfur dioxide	40.6	1.86	ug/L

Summary of Compounds Detected

PNTX1129X004	Collect Date	11/29/2019 10:50	LAB ID	21911291304
	Receive Date	11/29/2019 19:17	Matrix	Water

Library Search VOCs (Continued)

CAS#	Parameter	Result	Retention	Units
	Unknown	12.6	8.94	ug/L
77-73-6	4,7-Methano-1H-indene, 3a,4,7,7a-tetrahy	42.2	10.48	ug/L
874-41-9	Benzene, 1-ethyl-2,4-dimethyl-	7.98	10.69	ug/L
95-13-6	Indene	22.6	10.89	ug/L
95-93-2	Benzene, 1,2,4,5-tetramethyl-	29.5	11.23	ug/L
874-35-1	1H-Indene, 2,3-dihydro-5-methyl-	7.49	11.40	ug/L
768-49-0	Benzene, (2-methyl-1-propenyl)-	13.7	11.53	ug/L
	Unknown	8.84	11.77	ug/L
	Unknown	158	1.96	ug/L
106-99-0	1,3-Butadiene	296	2.02	ug/L
	Unknown	51.2	2.11	ug/L
	Unknown	10.9	2.28	ug/L
	Unknown	9.21	2.54	ug/L
503-17-3	2-Butyne	7.38	2.77	ug/L
1634-04-4	Propane, 2-methoxy-2-methyl-	77.4	4.29	ug/L
100-40-3	Cyclohexene, 4-ethenyl-	46.4	8.61	ug/L

EPA 8270C

CAS#	Parameter	Result	DL	LOQ	Units
117-81-7	Bis(2-Ethylhexyl)phthalate	1.05J	0.284	11.4	ug/L

EPA 8270C SIM

CAS#	Parameter	Result	DL	LOQ	Units
90-12-0	1-Methylnaphthalene	3.61	0.444	1.11	ug/L
91-57-6	2-Methylnaphthalene	4.45	0.444	1.11	ug/L
83-32-9	Acenaphthene	0.609J	0.139	1.11	ug/L
208-96-8	Acenaphthylene	23.0	0.444	1.11	ug/L
120-12-7	Anthracene	2.30	0.444	1.11	ug/L
56-55-3	Benzo(a)anthracene	1.03J	0.278	1.11	ug/L
50-32-8	Benzo(a)pyrene	0.859J	0.139	1.11	ug/L
205-99-2	Benzo(b)fluoranthene	0.633J	0.139	1.11	ug/L
191-24-2	Benzo(g,h,i)perylene	0.575J	0.139	1.11	ug/L
218-01-9	Chrysene	0.891J	0.278	1.11	ug/L
206-44-0	Fluoranthene	5.49	0.139	1.11	ug/L
86-73-7	Fluorene	4.45	0.444	1.11	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.350J	0.139	1.11	ug/L
91-20-3	Naphthalene	63.8	0.139	1.11	ug/L
85-01-8	Phenanthrene	13.6	0.139	1.11	ug/L
129-00-0	Pyrene	6.83	0.278	1.11	ug/L

Summary of Compounds Detected

PNTX1129X004	**Collect Date**	11/29/2019 10:50	**LAB ID**	21911291304
	Receive Date	11/29/2019 19:17	**Matrix**	Water

EPA 8015C

CAS#	Parameter	Result	DL	LOQ	Units
107-21-1	Ethylene Glycol	0.447J	0.265	1.00	mg/L

SM 5310 B-2011

CAS#	Parameter	Result	DL	LOQ	Units
C-012	Total Organic Carbon	83.4	0.300	2.00	mg/L

PNTX1129T002	**Collect Date**	11/29/2019 00:01	**LAB ID**	21911291306
	Receive Date	11/29/2019 19:17	**Matrix**	Water

EPA 8260B

CAS#	Parameter	Result	DL	LOQ	Units
67-64-1	Acetone	1.75J	0.500	5.00	ug/L

Sample Results

PNTX1129X001	**Collect Date**	11/29/2019 12:00	**LAB ID**	21911291301
	Receive Date	11/29/2019 19:17	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/29/2019 21:07	SMR	672360

CAS#	Parameter	Result	DL	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	0.200U	0.200	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.200U	0.200	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.200U	0.200	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.200U	0.200	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.200U	0.200	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.200U	0.200	5.00	ug/L
563-58-6	1,1-Dichloropropene	0.200U	0.200	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.200U	0.200	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.200U	0.200	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.200U	0.200	5.00	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.200U	0.200	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.200U	0.200	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.200U	0.200	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.200U	0.200	5.00	ug/L
540-59-0	1,2-Dichloroethene(Total)	0.400U	0.400	10.0	ug/L
78-87-5	1,2-Dichloropropane	0.200U	0.200	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.200U	0.200	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.200U	0.200	5.00	ug/L
142-28-9	1,3-Dichloropropane	0.200U	0.200	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.200U	0.200	5.00	ug/L
594-20-7	2,2-Dichloropropane	0.200U	0.200	5.00	ug/L
78-93-3	2-Butanone	0.200U	0.200	5.00	ug/L
110-75-8	2-Chloroethylvinyl ether	1.00U	1.00	5.00	ug/L
95-49-8	2-Chlorotoluene	0.200U	0.200	5.00	ug/L
591-78-6	2-Hexanone	0.500U	0.500	5.00	ug/L
106-43-4	4-Chlorotoluene	0.200U	0.200	5.00	ug/L
99-87-6	4-Isopropyltoluene	0.200U	0.200	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	0.200U	0.200	5.00	ug/L
67-64-1	Acetone	0.500U	0.500	5.00	ug/L
107-02-8	Acrolein	2.50U	2.50	25.0	ug/L
107-13-1	Acrylonitrile	1.00U	1.00	25.0	ug/L
71-43-2	**Benzene**	**0.273J**	**0.200**	**5.00**	**ug/L**
108-86-1	Bromobenzene	0.200U	0.200	5.00	ug/L
74-97-5	Bromochloromethane	0.200U	0.200	5.00	ug/L
75-27-4	Bromodichloromethane	0.200U	0.200	5.00	ug/L
75-25-2	Bromoform	0.250U	0.250	5.00	ug/L
74-83-9	Bromomethane	0.500U	0.500	5.00	ug/L
75-15-0	Carbon disulfide	0.200U	0.200	5.00	ug/L
56-23-5	Carbon tetrachloride	0.250U	0.250	5.00	ug/L
108-90-7	Chlorobenzene	0.200U	0.200	5.00	ug/L
75-00-3	Chloroethane	0.250U	0.250	5.00	ug/L
67-66-3	Chloroform	0.200U	0.200	5.00	ug/L
74-87-3	Chloromethane	0.200U	0.200	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.200U	0.200	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.200U	0.200	5.00	ug/L
124-48-1	Dibromochloromethane	0.200U	0.200	5.00	ug/L
74-95-3	Dibromomethane	0.250U	0.250	5.00	ug/L

Sample Results

PNTX1129X001	**Collect Date**	11/29/2019 12:00	**LAB ID**	21911291301
	Receive Date	11/29/2019 19:17	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/29/2019 21:07	SMR	672360

CAS#	Parameter	Result	DL	LOQ	Units
75-71-8	Dichlorodifluoromethane	0.200U	0.200	5.00	ug/L
100-41-4	Ethylbenzene	0.200U	0.200	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.500U	0.500	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.200U	0.200	5.00	ug/L
136777-61-2	m,p-Xylene	0.200U	0.200	10.0	ug/L
74-88-4	Methyl iodide	0.500U	0.500	5.00	ug/L
75-09-2	**Methylene chloride**	**0.568J**	**0.200**	**5.00**	**ug/L**
91-20-3	Naphthalene	0.200U	0.200	5.00	ug/L
104-51-8	n-Butylbenzene	0.200U	0.200	5.00	ug/L
103-65-1	n-Propylbenzene	1.00U	1.00	5.00	ug/L
95-47-6	o-Xylene	0.200U	0.200	5.00	ug/L
135-98-8	sec-Butylbenzene	0.200U	0.200	5.00	ug/L
100-42-5	Styrene	0.200U	0.200	5.00	ug/L
1634-04-4	**tert-Butyl methyl ether (MTBE)**	**2.72J**	**0.200**	**5.00**	**ug/L**
98-06-6	tert-Butylbenzene	0.200U	0.200	5.00	ug/L
127-18-4	Tetrachloroethene	0.200U	0.200	5.00	ug/L
108-88-3	Toluene	0.200U	0.200	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.200U	0.200	5.00	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.200U	0.200	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	0.500U	0.500	5.00	ug/L
79-01-6	Trichloroethene	0.200U	0.200	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.200U	0.200	5.00	ug/L
76-13-1	Trichlorotrifluoroethane	0.200U	0.200	5.00	ug/L
108-05-4	Vinyl acetate	0.200U	0.200	5.00	ug/L
75-01-4	Vinyl chloride	0.200U	0.200	2.00	ug/L
1330-20-7	Xylene (total)	0.400U	0.400	15.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	46.1	ug/L	92	78 - 130
1868-53-7	Dibromofluoromethane	50	49	ug/L	98	77 - 127
2037-26-5	Toluene d8	50	50.2	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	46.2	ug/L	92	71 - 127

Sample Results

PNTX1129X001	**Collect Date**	11/29/2019 12:00	**LAB ID**	21911291301
	Receive Date	11/29/2019 19:17	**Matrix**	Water

Library Search VOCs

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/29/2019 21:07	SMR	672364

CAS#	Parameter	Result	Retention	Units
TIC-1	1	ND		ug/L

EPA 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
11/29/2019 19:50	672342	EPA 3510C	1	11/29/2019 21:44	DLB	672355

CAS#	Parameter	Result	DL	LOQ	Units
120-82-1	1,2,4-Trichlorobenzene	0.500U	0.500	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	0.500U	0.500	10.0	ug/L
122-66-7	1,2Diphenylhydrazine/Azobenzen	0.500U	0.500	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	0.500U	0.500	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	0.500U	0.500	10.0	ug/L
95-95-4	2,4,5-Trichlorophenol	0.500U	0.500	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.500U	0.500	10.0	ug/L
120-83-2	2,4-Dichlorophenol	0.500U	0.500	10.0	ug/L
105-67-9	2,4-Dimethylphenol	0.500U	0.500	10.0	ug/L
51-28-5	2,4-Dinitrophenol	1.50U	1.50	10.0	ug/L
121-14-2	2,4-Dinitrotoluene	0.500U	0.500	10.0	ug/L
606-20-2	2,6-Dinitrotoluene	0.500U	0.500	10.0	ug/L
91-58-7	2-Chloronaphthalene	0.500U	0.500	10.0	ug/L
95-57-8	2-Chlorophenol	0.500U	0.500	10.0	ug/L
88-74-4	2-Nitroaniline	0.500U	0.500	10.0	ug/L
88-75-5	2-Nitrophenol	0.500U	0.500	10.0	ug/L
91-94-1	3,3'-Dichlorobenzidine	0.500U	0.500	10.0	ug/L
99-09-2	3-Nitroaniline	0.500U	0.500	10.0	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	1.50U	1.50	10.0	ug/L
101-55-3	4-Bromophenyl phenyl ether	0.500U	0.500	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.500U	0.500	10.0	ug/L
106-47-8	4-Chloroaniline	0.500U	0.500	10.0	ug/L
7005-72-3	4-Chlorophenyl phenyl ether	0.500U	0.500	10.0	ug/L
100-01-6	4-Nitroaniline	1.50U	1.50	10.0	ug/L
100-02-7	4-Nitrophenol	1.50U	1.50	10.0	ug/L
62-53-3	Aniline	0.750U	0.750	10.0	ug/L
92-87-5	Benzidine	2.50U	2.50	50.0	ug/L
65-85-0	Benzoic acid	1.50U	1.50	10.0	ug/L
100-51-6	Benzyl alcohol	0.500U	0.500	10.0	ug/L
111-91-1	Bis(2-Chloroethoxy)methane	0.500U	0.500	10.0	ug/L
111-44-4	Bis(2-Chloroethyl)ether	0.500U	0.500	10.0	ug/L
108-60-1	Bis(2-Chloroisopropyl)ether	0.500U	0.500	10.0	ug/L
117-81-7	Bis(2-Ethylhexyl)phthalate	0.250U	0.250	10.0	ug/L
85-68-7	Butyl benzyl phthalate	0.250U	0.250	10.0	ug/L
86-74-8	Carbazole	0.500U	0.500	10.0	ug/L
132-64-9	Dibenzofuran	0.500U	0.500	10.0	ug/L

Sample Results

PNTX1129X001	**Collect Date**	11/29/2019 12:00	**LAB ID**	21911291301
	Receive Date	11/29/2019 19:17	**Matrix**	Water

EPA 8270C (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
11/29/2019 19:50	672342	EPA 3510C	1	11/29/2019 21:44	DLB	672355

CAS#	Parameter	Result	DL	LOQ	Units
84-66-2	Diethyl phthalate	0.500U	0.500	10.0	ug/L
131-11-3	Dimethyl phthalate	0.500U	0.500	10.0	ug/L
84-74-2	Di-n-butyl phthalate	0.500U	0.500	10.0	ug/L
117-84-0	Di-n-octyl phthalate	0.250U	0.250	10.0	ug/L
118-74-1	Hexachlorobenzene	0.500U	0.500	10.0	ug/L
87-68-3	Hexachlorobutadiene	0.500U	0.500	10.0	ug/L
77-47-4	Hexachlorocyclopentadiene	1.50U	1.50	10.0	ug/L
67-72-1	Hexachloroethane	0.500U	0.500	10.0	ug/L
78-59-1	Isophorone	0.500U	0.500	10.0	ug/L
1319-77-3MP	m,p-Cresol	0.250U	0.250	10.0	ug/L
98-95-3	Nitrobenzene	0.500U	0.500	10.0	ug/L
62-75-9	n-Nitrosodimethylamine	0.500U	0.500	10.0	ug/L
621-64-7	n-Nitrosodi-n-propylamine	0.500U	0.500	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.500U	0.500	10.0	ug/L
95-48-7	o-Cresol	0.500U	0.500	10.0	ug/L
87-86-5	Pentachlorophenol	0.500U	0.500	10.0	ug/L
108-95-2	Phenol	0.500U	0.500	10.0	ug/L
110-86-1	Pyridine	1.50U	1.50	10.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	50	4.08	ug/L	8*	44 - 120
321-60-8	2-Fluorobiphenyl	50	4.18	ug/L	8*	44 - 119
1718-51-0	Terphenyl-d14	50	3.81	ug/L	8*	50 - 134
4165-62-2	Phenol-d5	100	2.8	ug/L	3*	10 - 120
367-12-4	2-Fluorophenol	100	3.15	ug/L	3*	19 - 119
118-79-6	2,4,6-Tribromophenol	100	8.58	ug/L	9*	43 - 140

EPA 8270C SIM

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
11/29/2019 19:45	672361	EPA 3510C	1	11/29/2019 21:52	DLB	672367

CAS#	Parameter	Result	DL	LOQ	Units
90-12-0	1-Methylnaphthalene	1.14	0.040	0.100	ug/L
91-57-6	2-Methylnaphthalene	1.44	0.040	0.100	ug/L
83-32-9	Acenaphthene	0.160	0.013	0.100	ug/L
208-96-8	Acenaphthylene	4.68	0.040	0.100	ug/L
120-12-7	Anthracene	0.365	0.040	0.100	ug/L
56-55-3	Benzo(a)anthracene	0.309	0.025	0.100	ug/L
50-32-8	Benzo(a)pyrene	0.292	0.013	0.100	ug/L
205-99-2	Benzo(b)fluoranthene	0.295	0.013	0.100	ug/L
191-24-2	Benzo(g,h,i)perylene	0.242	0.013	0.100	ug/L
207-08-9	Benzo(k)fluoranthene	0.118	0.025	0.100	ug/L

Sample Results

PNTX1129X001	**Collect Date**	11/29/2019 12:00	**LAB ID**	21911291301
	Receive Date	11/29/2019 19:17	**Matrix**	Water

EPA 8270C SIM (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
11/29/2019 19:45	672361	EPA 3510C	1	11/29/2019 21:52	DLB	672367

CAS#	Parameter	Result	DL	LOQ	Units
218-01-9	Chrysene	0.371	0.025	0.100	ug/L
53-70-3	Dibenz(a,h)anthracene	0.025U	0.025	0.100	ug/L
206-44-0	Fluoranthene	2.02	0.013	0.100	ug/L
86-73-7	Fluorene	1.05	0.040	0.100	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.164	0.013	0.100	ug/L
85-01-8	Phenanthrene	3.60	0.013	0.100	ug/L
129-00-0	Pyrene	2.40	0.025	0.100	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
7297-45-2	2-Methylnaphthalene-d10	5	4.23	ug/L	85	50 - 150
93951-69-0	Fluoranthene-d10	5	3.33	ug/L	67	50 - 150

EPA 8270C SIM

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
11/29/2019 19:45	672361	EPA 3510C	5	11/29/2019 22:51	DLB	672367

CAS#	Parameter	Result	DL	LOQ	Units
91-20-3	Naphthalene	18.5	0.063	0.500	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
7297-45-2	2-Methylnaphthalene-d10	5	4.49	ug/L	90	50 - 150
93951-69-0	Fluoranthene-d10	5	3.39	ug/L	68	50 - 150

EPA 8015C

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/29/2019 21:12	MFS	672358

CAS#	Parameter	Result	DL	LOQ	Units
107-21-1	Ethylene Glycol	0.570J	0.265	1.00	mg/L

Sample Results

PNTX1129X001	**Collect Date**	11/29/2019 12:00	**LAB ID**	21911291301
	Receive Date	11/29/2019 19:17	**Matrix**	Water

TX1005

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
11/29/2019 19:29	672363	TX1005	1	11/29/2019 22:40	MFS	672365

CAS#	Parameter	Result	DL	LOQ	Units
GCSV-05-02	>C12-C28	1390J	122	2330	ug/L
GCSV-05-03	>C28-C35	122U	122	2330	ug/L
GCSV-05-01	C6-C12	105U	105	1400	ug/L
GCSV-05-04	Total TPH (C6-C35)	1390J	105	2330	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
84-15-1	o-Terphenyl	15500	19600	ug/L	126	58 - 148

EPA 1664A

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/29/2019 19:55	JDM	672362

CAS#	Parameter	Result	DL	LOQ	Units
C-007	Oil and Grease	6.4	1.5	5.0	mg/L

SM 5310 B-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/29/2019 20:17	PLH	672354

CAS#	Parameter	Result	DL	LOQ	Units
C-012	Total Organic Carbon	2.01	0.300	2.00	mg/L

Sample Results

PNTX1129X002	**Collect Date**	11/29/2019 09:10	**LAB ID**	21911291302
	Receive Date	11/29/2019 19:17	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/29/2019 20:45	SMR	672360

CAS#	Parameter	Result	DL	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	0.200U	0.200	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.200U	0.200	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.200U	0.200	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.200U	0.200	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.200U	0.200	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.200U	0.200	5.00	ug/L
563-58-6	1,1-Dichloropropene	0.200U	0.200	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.200U	0.200	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.200U	0.200	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.200U	0.200	5.00	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.200U	0.200	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.200U	0.200	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.200U	0.200	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.200U	0.200	5.00	ug/L
540-59-0	1,2-Dichloroethene(Total)	0.400U	0.400	10.0	ug/L
78-87-5	1,2-Dichloropropane	0.200U	0.200	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.200U	0.200	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.200U	0.200	5.00	ug/L
142-28-9	1,3-Dichloropropane	0.200U	0.200	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.200U	0.200	5.00	ug/L
594-20-7	2,2-Dichloropropane	0.200U	0.200	5.00	ug/L
78-93-3	2-Butanone	0.200U	0.200	5.00	ug/L
110-75-8	2-Chloroethylvinyl ether	1.00U	1.00	5.00	ug/L
95-49-8	2-Chlorotoluene	0.200U	0.200	5.00	ug/L
591-78-6	2-Hexanone	0.500U	0.500	5.00	ug/L
106-43-4	4-Chlorotoluene	0.200U	0.200	5.00	ug/L
99-87-6	4-Isopropyltoluene	0.200U	0.200	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	0.200U	0.200	5.00	ug/L
67-64-1	**Acetone**	**5.28**	**0.500**	**5.00**	**ug/L**
107-02-8	Acrolein	2.50U	2.50	25.0	ug/L
107-13-1	Acrylonitrile	1.00U	1.00	25.0	ug/L
71-43-2	**Benzene**	**0.846J**	**0.200**	**5.00**	**ug/L**
108-86-1	Bromobenzene	0.200U	0.200	5.00	ug/L
74-97-5	Bromochloromethane	0.200U	0.200	5.00	ug/L
75-27-4	Bromodichloromethane	0.200U	0.200	5.00	ug/L
75-25-2	Bromoform	0.250U	0.250	5.00	ug/L
74-83-9	Bromomethane	0.500U	0.500	5.00	ug/L
75-15-0	Carbon disulfide	0.200U	0.200	5.00	ug/L
56-23-5	Carbon tetrachloride	0.250U	0.250	5.00	ug/L
108-90-7	Chlorobenzene	0.200U	0.200	5.00	ug/L
75-00-3	Chloroethane	0.250U	0.250	5.00	ug/L
67-66-3	Chloroform	0.200U	0.200	5.00	ug/L
74-87-3	Chloromethane	0.200U	0.200	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.200U	0.200	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.200U	0.200	5.00	ug/L
124-48-1	Dibromochloromethane	0.200U	0.200	5.00	ug/L
74-95-3	Dibromomethane	0.250U	0.250	5.00	ug/L

Sample Results

PNTX1129X002	**Collect Date**	11/29/2019 09:10	**LAB ID**	21911291302
	Receive Date	11/29/2019 19:17	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/29/2019 20:45	SMR	672360

CAS#	Parameter	Result	DL	LOQ	Units
75-71-8	Dichlorodifluoromethane	0.200U	0.200	5.00	ug/L
100-41-4	Ethylbenzene	0.200U	0.200	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.500U	0.500	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.200U	0.200	5.00	ug/L
136777-61-2	m,p-Xylene	0.200U	0.200	10.0	ug/L
74-88-4	Methyl iodide	0.500U	0.500	5.00	ug/L
75-09-2	Methylene chloride	0.200U	0.200	5.00	ug/L
91-20-3	Naphthalene	0.200U	0.200	5.00	ug/L
104-51-8	n-Butylbenzene	0.200U	0.200	5.00	ug/L
103-65-1	n-Propylbenzene	1.00U	1.00	5.00	ug/L
95-47-6	o-Xylene	0.200U	0.200	5.00	ug/L
135-98-8	sec-Butylbenzene	0.200U	0.200	5.00	ug/L
100-42-5	Styrene	0.200U	0.200	5.00	ug/L
1634-04-4	**tert-Butyl methyl ether (MTBE)**	**65.5**	**0.200**	**5.00**	**ug/L**
98-06-6	tert-Butylbenzene	0.200U	0.200	5.00	ug/L
127-18-4	Tetrachloroethene	0.200U	0.200	5.00	ug/L
108-88-3	Toluene	0.200U	0.200	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.200U	0.200	5.00	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.200U	0.200	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	0.500U	0.500	5.00	ug/L
79-01-6	Trichloroethene	0.200U	0.200	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.200U	0.200	5.00	ug/L
76-13-1	Trichlorotrifluoroethane	0.200U	0.200	5.00	ug/L
108-05-4	Vinyl acetate	0.200U	0.200	5.00	ug/L
75-01-4	Vinyl chloride	0.200U	0.200	2.00	ug/L
1330-20-7	Xylene (total)	0.400U	0.400	15.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	46.4	ug/L	93	78 - 130
1868-53-7	Dibromofluoromethane	50	49.3	ug/L	99	77 - 127
2037-26-5	Toluene d8	50	52.1	ug/L	104	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	46.3	ug/L	93	71 - 127

Sample Results

PNTX1129X002	Collect Date	11/29/2019 09:10	LAB ID	21911291302
	Receive Date	11/29/2019 19:17	Matrix	Water

Library Search VOCs

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/29/2019 20:45	SMR	672364

CAS#	Parameter	Result	Retention	Units
TIC-1	1	ND		ug/L

EPA 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
11/29/2019 19:50	672342	EPA 3510C	1	11/29/2019 21:28	DLB	672355

CAS#	Parameter	Result	DL	LOQ	Units
120-82-1	1,2,4-Trichlorobenzene	0.500U	0.500	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	0.500U	0.500	10.0	ug/L
122-66-7	1,2Diphenylhydrazine/Azobenzen	0.500U	0.500	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	0.500U	0.500	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	0.500U	0.500	10.0	ug/L
95-95-4	2,4,5-Trichlorophenol	0.500U	0.500	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.500U	0.500	10.0	ug/L
120-83-2	2,4-Dichlorophenol	0.500U	0.500	10.0	ug/L
105-67-9	2,4-Dimethylphenol	0.500U	0.500	10.0	ug/L
51-28-5	2,4-Dinitrophenol	1.50U	1.50	10.0	ug/L
121-14-2	2,4-Dinitrotoluene	0.500U	0.500	10.0	ug/L
606-20-2	2,6-Dinitrotoluene	0.500U	0.500	10.0	ug/L
91-58-7	2-Chloronaphthalene	0.500U	0.500	10.0	ug/L
95-57-8	2-Chlorophenol	0.500U	0.500	10.0	ug/L
88-74-4	2-Nitroaniline	0.500U	0.500	10.0	ug/L
88-75-5	2-Nitrophenol	0.500U	0.500	10.0	ug/L
91-94-1	3,3'-Dichlorobenzidine	0.500U	0.500	10.0	ug/L
99-09-2	3-Nitroaniline	0.500U	0.500	10.0	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	1.50U	1.50	10.0	ug/L
101-55-3	4-Bromophenyl phenyl ether	0.500U	0.500	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.500U	0.500	10.0	ug/L
106-47-8	4-Chloroaniline	0.500U	0.500	10.0	ug/L
7005-72-3	4-Chlorophenyl phenyl ether	0.500U	0.500	10.0	ug/L
100-01-6	4-Nitroaniline	1.50U	1.50	10.0	ug/L
100-02-7	4-Nitrophenol	1.50U	1.50	10.0	ug/L
62-53-3	Aniline	0.750U	0.750	10.0	ug/L
92-87-5	Benzidine	2.50U	2.50	50.0	ug/L
65-85-0	Benzoic acid	1.50U	1.50	10.0	ug/L
100-51-6	Benzyl alcohol	0.500U	0.500	10.0	ug/L
111-91-1	Bis(2-Chloroethoxy)methane	0.500U	0.500	10.0	ug/L
111-44-4	Bis(2-Chloroethyl)ether	0.500U	0.500	10.0	ug/L
108-60-1	Bis(2-Chloroisopropyl)ether	0.500U	0.500	10.0	ug/L
117-81-7	Bis(2-Ethylhexyl)phthalate	0.250U	0.250	10.0	ug/L
85-68-7	Butyl benzyl phthalate	0.250U	0.250	10.0	ug/L
86-74-8	Carbazole	0.500U	0.500	10.0	ug/L
132-64-9	Dibenzofuran	0.500U	0.500	10.0	ug/L

Sample Results

PNTX1129X002	**Collect Date**	11/29/2019 09:10	**LAB ID**	21911291302
	Receive Date	11/29/2019 19:17	**Matrix**	Water

EPA 8270C (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
11/29/2019 19:50	672342	EPA 3510C	1	11/29/2019 21:28	DLB	672355

CAS#	Parameter	Result	DL	LOQ	Units
84-66-2	Diethyl phthalate	0.500U	0.500	10.0	ug/L
131-11-3	Dimethyl phthalate	0.500U	0.500	10.0	ug/L
84-74-2	Di-n-butyl phthalate	0.500U	0.500	10.0	ug/L
117-84-0	Di-n-octyl phthalate	0.250U	0.250	10.0	ug/L
118-74-1	Hexachlorobenzene	0.500U	0.500	10.0	ug/L
87-68-3	Hexachlorobutadiene	0.500U	0.500	10.0	ug/L
77-47-4	Hexachlorocyclopentadiene	1.50U	1.50	10.0	ug/L
67-72-1	Hexachloroethane	0.500U	0.500	10.0	ug/L
78-59-1	Isophorone	0.500U	0.500	10.0	ug/L
1319-77-3MP	m,p-Cresol	0.250U	0.250	10.0	ug/L
98-95-3	Nitrobenzene	0.500U	0.500	10.0	ug/L
62-75-9	n-Nitrosodimethylamine	0.500U	0.500	10.0	ug/L
621-64-7	n-Nitrosodi-n-propylamine	0.500U	0.500	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.500U	0.500	10.0	ug/L
95-48-7	o-Cresol	0.500U	0.500	10.0	ug/L
87-86-5	Pentachlorophenol	0.500U	0.500	10.0	ug/L
108-95-2	Phenol	0.500U	0.500	10.0	ug/L
110-86-1	Pyridine	1.50U	1.50	10.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	50	45.6	ug/L	91	44 - 120
321-60-8	2-Fluorobiphenyl	50	38.8	ug/L	78	44 - 119
1718-51-0	Terphenyl-d14	50	38.7	ug/L	77	50 - 134
4165-62-2	Phenol-d5	100	22.4	ug/L	22	10 - 120
367-12-4	2-Fluorophenol	100	35.5	ug/L	36	19 - 119
118-79-6	2,4,6-Tribromophenol	100	96.2	ug/L	96	43 - 140

EPA 8270C SIM

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
11/29/2019 19:45	672361	EPA 3510C	1	11/29/2019 21:33	DLB	672367

CAS#	Parameter	Result	DL	LOQ	Units
90-12-0	1-Methylnaphthalene	0.040U	0.040	0.100	ug/L
91-57-6	2-Methylnaphthalene	0.040U	0.040	0.100	ug/L
83-32-9	Acenaphthene	0.013U	0.013	0.100	ug/L
208-96-8	Acenaphthylene	0.040U	0.040	0.100	ug/L
120-12-7	Anthracene	0.040U	0.040	0.100	ug/L
56-55-3	Benzo(a)anthracene	0.025U	0.025	0.100	ug/L
50-32-8	Benzo(a)pyrene	0.013U	0.013	0.100	ug/L
205-99-2	Benzo(b)fluoranthene	0.013U	0.013	0.100	ug/L
191-24-2	Benzo(g,h,i)perylene	0.013U	0.013	0.100	ug/L
207-08-9	Benzo(k)fluoranthene	0.025U	0.025	0.100	ug/L

Sample Results

PNTX1129X002	**Collect Date**	11/29/2019 09:10	**LAB ID**	21911291302
	Receive Date	11/29/2019 19:17	**Matrix**	Water

EPA 8270C SIM (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
11/29/2019 19:45	672361	EPA 3510C	1	11/29/2019 21:33	DLB	672367

CAS#	Parameter	Result	DL	LOQ	Units
218-01-9	Chrysene	0.025U	0.025	0.100	ug/L
53-70-3	Dibenz(a,h)anthracene	0.025U	0.025	0.100	ug/L
206-44-0	Fluoranthene	0.013U	0.013	0.100	ug/L
86-73-7	Fluorene	0.040U	0.040	0.100	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.013U	0.013	0.100	ug/L
91-20-3	**Naphthalene**	**0.139**	**0.013**	**0.100**	**ug/L**
85-01-8	Phenanthrene	0.013U	0.013	0.100	ug/L
129-00-0	Pyrene	0.025U	0.025	0.100	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
7297-45-2	2-Methylnaphthalene-d10	5	4.31	ug/L	86	50 - 150
93951-69-0	Fluoranthene-d10	5	4.34	ug/L	87	50 - 150

EPA 8015C

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/29/2019 21:23	MFS	672358

CAS#	Parameter	Result	DL	LOQ	Units
107-21-1	**Ethylene Glycol**	**0.479J**	**0.265**	**1.00**	**mg/L**

TX1005

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
11/29/2019 19:29	672363	TX1005	1	11/29/2019 23:15	MFS	672365

CAS#	Parameter	Result	DL	LOQ	Units
GCSV-05-02	>C12-C28	122U	122	2340	ug/L
GCSV-05-03	>C28-C35	122U	122	2340	ug/L
GCSV-05-01	C6-C12	105U	105	1400	ug/L

Sample Results

PNTX1129X002	**Collect Date**	11/29/2019 09:10	**LAB ID**	21911291302
	Receive Date	11/29/2019 19:17	**Matrix**	Water

TX1005 (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
11/29/2019 19:29	672363	TX1005 (Continued)	1	11/29/2019 23:15	MFS	672365

CAS#	Parameter	Result	DL	LOQ	Units
GCSV-05-04	Total TPH (C6-C35)	105U	105	2340	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
84-15-1	o-Terphenyl	15600	14900	ug/L	95	58 - 148

EPA 1664A

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/29/2019 19:55	JDM	672362

CAS#	Parameter	Result	DL	LOQ	Units
C-007	Oil and Grease	1.5U	1.5	5.0	mg/L

SM 5310 B-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/29/2019 20:38	PLH	672354

CAS#	Parameter	Result	DL	LOQ	Units
C-012	Total Organic Carbon	42.9	0.300	2.00	mg/L

PNTX1129X003	**Collect Date**	11/29/2019 09:15	**LAB ID**	21911291303
	Receive Date	11/29/2019 19:17	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/29/2019 21:29	SMR	672360

CAS#	Parameter	Result	DL	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	0.200U	0.200	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.200U	0.200	5.00	ug/L

Sample Results

PNTX1129X003	**Collect Date**	11/29/2019 09:15	**LAB ID**	21911291303
	Receive Date	11/29/2019 19:17	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/29/2019 21:29	SMR	672360

CAS#	Parameter	Result	DL	LOQ	Units
79-34-5	1,1,2,2-Tetrachloroethane	0.200U	0.200	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.200U	0.200	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.200U	0.200	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.200U	0.200	5.00	ug/L
563-58-6	1,1-Dichloropropene	0.200U	0.200	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.200U	0.200	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.200U	0.200	5.00	ug/L
95-63-6	**1,2,4-Trimethylbenzene**	**1.68J**	**0.200**	**5.00**	**ug/L**
96-12-8	1,2-Dibromo-3-chloropropane	0.200U	0.200	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.200U	0.200	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.200U	0.200	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.200U	0.200	5.00	ug/L
540-59-0	1,2-Dichloroethene(Total)	0.400U	0.400	10.0	ug/L
78-87-5	1,2-Dichloropropane	0.200U	0.200	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.200U	0.200	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.200U	0.200	5.00	ug/L
142-28-9	1,3-Dichloropropane	0.200U	0.200	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.200U	0.200	5.00	ug/L
594-20-7	2,2-Dichloropropane	0.200U	0.200	5.00	ug/L
78-93-3	**2-Butanone**	**43.2**	**0.200**	**5.00**	**ug/L**
110-75-8	2-Chloroethylvinyl ether	1.00U	1.00	5.00	ug/L
95-49-8	2-Chlorotoluene	0.200U	0.200	5.00	ug/L
591-78-6	2-Hexanone	0.500U	0.500	5.00	ug/L
106-43-4	4-Chlorotoluene	0.200U	0.200	5.00	ug/L
99-87-6	4-Isopropyltoluene	0.200U	0.200	5.00	ug/L
108-10-1	**4-Methyl-2-pentanone**	**0.592J**	**0.200**	**5.00**	**ug/L**
67-64-1	**Acetone**	**35.7**	**0.500**	**5.00**	**ug/L**
107-02-8	Acrolein	2.50U	2.50	25.0	ug/L
107-13-1	Acrylonitrile	1.00U	1.00	25.0	ug/L
71-43-2	**Benzene**	**68.2**	**0.200**	**5.00**	**ug/L**
108-86-1	Bromobenzene	0.200U	0.200	5.00	ug/L
74-97-5	Bromochloromethane	0.200U	0.200	5.00	ug/L
75-27-4	Bromodichloromethane	0.200U	0.200	5.00	ug/L
75-25-2	Bromoform	0.250U	0.250	5.00	ug/L
74-83-9	Bromomethane	0.500U	0.500	5.00	ug/L
75-15-0	Carbon disulfide	0.200U	0.200	5.00	ug/L
56-23-5	Carbon tetrachloride	0.250U	0.250	5.00	ug/L
108-90-7	Chlorobenzene	0.200U	0.200	5.00	ug/L
75-00-3	Chloroethane	0.250U	0.250	5.00	ug/L
67-66-3	**Chloroform**	**2.37J**	**0.200**	**5.00**	**ug/L**
74-87-3	Chloromethane	0.200U	0.200	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.200U	0.200	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.200U	0.200	5.00	ug/L
124-48-1	Dibromochloromethane	0.200U	0.200	5.00	ug/L
74-95-3	Dibromomethane	0.250U	0.250	5.00	ug/L
75-71-8	Dichlorodifluoromethane	0.200U	0.200	5.00	ug/L
100-41-4	**Ethylbenzene**	**13.4**	**0.200**	**5.00**	**ug/L**

Sample Results

PNTX1129X003	**Collect Date**	11/29/2019 09:15	**LAB ID**	21911291303
	Receive Date	11/29/2019 19:17	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/29/2019 21:29	SMR	672360

CAS#	Parameter	Result	DL	LOQ	Units
87-68-3	Hexachlorobutadiene	0.500U	0.500	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.200U	0.200	5.00	ug/L
136777-61-2	**m,p-Xylene**	**24.1**	**0.200**	**10.0**	**ug/L**
74-88-4	Methyl iodide	0.500U	0.500	5.00	ug/L
75-09-2	**Methylene chloride**	**0.938J**	**0.200**	**5.00**	**ug/L**
91-20-3	**Naphthalene**	**71.0**	**0.200**	**5.00**	**ug/L**
104-51-8	n-Butylbenzene	0.200U	0.200	5.00	ug/L
103-65-1	n-Propylbenzene	1.00U	1.00	5.00	ug/L
95-47-6	**o-Xylene**	**11.1**	**0.200**	**5.00**	**ug/L**
135-98-8	sec-Butylbenzene	0.200U	0.200	5.00	ug/L
100-42-5	**Styrene**	**25.3**	**0.200**	**5.00**	**ug/L**
1634-04-4	**tert-Butyl methyl ether (MTBE)**	**89.6**	**0.200**	**5.00**	**ug/L**
98-06-6	tert-Butylbenzene	0.200U	0.200	5.00	ug/L
127-18-4	Tetrachloroethene	0.200U	0.200	5.00	ug/L
108-88-3	**Toluene**	**12.3**	**0.200**	**5.00**	**ug/L**
156-60-5	trans-1,2-Dichloroethene	0.200U	0.200	5.00	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.200U	0.200	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	0.500U	0.500	5.00	ug/L
79-01-6	Trichloroethene	0.200U	0.200	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.200U	0.200	5.00	ug/L
76-13-1	Trichlorotrifluoroethane	0.200U	0.200	5.00	ug/L
108-05-4	Vinyl acetate	0.200U	0.200	5.00	ug/L
75-01-4	Vinyl chloride	0.200U	0.200	2.00	ug/L
1330-20-7	**Xylene (total)**	**35.2**	**0.400**	**15.0**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	50.2	ug/L	100	78 - 130
1868-53-7	Dibromofluoromethane	50	49.6	ug/L	99	77 - 127
2037-26-5	Toluene d8	50	50.9	ug/L	102	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	46.4	ug/L	93	71 - 127

Library Search VOCs

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/29/2019 21:29	SMR	672364

CAS#	Parameter	Result	Retention	Units
7446-09-5	**Sulfur dioxide**	**26.1**	**1.85**	**ug/L**
100-40-3	**Cyclohexene, 4-ethenyl-**	**209**	**8.61**	**ug/L**
	Unknown	**46.8**	**8.94**	**ug/L**
95-47-6	**Benzene, 1,2-dimethyl-**	**17.4**	**9.25**	**ug/L**
111-78-4	**1,5-Cyclooctadiene**	**14.9**	**9.69**	**ug/L**
77-73-6	**4,7-Methano-1H-indene, 3a,4,7,7a-tetrahy**	**75.7**	**10.48**	**ug/L**

Sample Results

PNTX1129X003	Collect Date	11/29/2019 09:15	LAB ID	21911291303
	Receive Date	11/29/2019 19:17	Matrix	Water

Library Search VOCs (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/29/2019 21:29	SMR	672364

CAS#	Parameter	Result	Retention	Units
95-13-6	Indene	20.9	10.89	ug/L
933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	18.6	11.24	ug/L
3333-13-9	Benzene, 1-methyl-4-(2-propenyl)-	13.1	11.54	ug/L
	Unknown	60.8	1.96	ug/L
106-99-0	1,3-Butadiene	95.2	2.02	ug/L
115-11-7	1-Propene, 2-methyl-	20.6	2.11	ug/L
	Unknown	20.9	2.15	ug/L
590-19-2	1,2-Butadiene	15.6	2.28	ug/L
591-95-7	1,2-Pentadiene	23.6	2.55	ug/L
503-17-3	2-Butyne	27.4	2.77	ug/L
1634-04-4	Propane, 2-methoxy-2-methyl-	64.8	4.29	ug/L

EPA 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
11/29/2019 19:50	672342	EPA 3510C	1	11/29/2019 22:00	DLB	672355

CAS#	Parameter	Result	DL	LOQ	Units
120-82-1	1,2,4-Trichlorobenzene	0.521U	0.521	10.4	ug/L
95-50-1	1,2-Dichlorobenzene	0.521U	0.521	10.4	ug/L
122-66-7	1,2Diphenylhydrazine/Azobenzen	0.521U	0.521	10.4	ug/L
541-73-1	1,3-Dichlorobenzene	0.521U	0.521	10.4	ug/L
106-46-7	1,4-Dichlorobenzene	0.521U	0.521	10.4	ug/L
95-95-4	2,4,5-Trichlorophenol	0.521U	0.521	10.4	ug/L
88-06-2	2,4,6-Trichlorophenol	0.521U	0.521	10.4	ug/L
120-83-2	2,4-Dichlorophenol	0.521U	0.521	10.4	ug/L
105-67-9	2,4-Dimethylphenol	0.521U	0.521	10.4	ug/L
51-28-5	2,4-Dinitrophenol	1.56U	1.56	10.4	ug/L
121-14-2	2,4-Dinitrotoluene	0.521U	0.521	10.4	ug/L
606-20-2	2,6-Dinitrotoluene	0.521U	0.521	10.4	ug/L
91-58-7	2-Chloronaphthalene	0.521U	0.521	10.4	ug/L
95-57-8	2-Chlorophenol	0.521U	0.521	10.4	ug/L
88-74-4	2-Nitroaniline	0.521U	0.521	10.4	ug/L
88-75-5	2-Nitrophenol	0.521U	0.521	10.4	ug/L
91-94-1	3,3'-Dichlorobenzidine	0.521U	0.521	10.4	ug/L
99-09-2	3-Nitroaniline	0.521U	0.521	10.4	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	1.56U	1.56	10.4	ug/L
101-55-3	4-Bromophenyl phenyl ether	0.521U	0.521	10.4	ug/L
59-50-7	4-Chloro-3-methylphenol	0.521U	0.521	10.4	ug/L
106-47-8	4-Chloroaniline	0.521U	0.521	10.4	ug/L
7005-72-3	4-Chlorophenyl phenyl ether	0.521U	0.521	10.4	ug/L
100-01-6	4-Nitroaniline	1.56U	1.56	10.4	ug/L
100-02-7	4-Nitrophenol	1.56U	1.56	10.4	ug/L
62-53-3	Aniline	0.781U	0.781	10.4	ug/L

Sample Results

PNTX1129X003	**Collect Date**	11/29/2019 09:15	**LAB ID**	21911291303
	Receive Date	11/29/2019 19:17	**Matrix**	Water

EPA 8270C (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
11/29/2019 19:50	672342	EPA 3510C	1	11/29/2019 22:00	DLB	672355

CAS#	Parameter	Result	DL	LOQ	Units
92-87-5	Benzidine	2.60U	2.60	52.1	ug/L
65-85-0	Benzoic acid	1.56U	1.56	10.4	ug/L
100-51-6	Benzyl alcohol	0.521U	0.521	10.4	ug/L
111-91-1	Bis(2-Chloroethoxy)methane	0.521U	0.521	10.4	ug/L
111-44-4	Bis(2-Chloroethyl)ether	0.521U	0.521	10.4	ug/L
108-60-1	Bis(2-Chloroisopropyl)ether	0.521U	0.521	10.4	ug/L
117-81-7	Bis(2-Ethylhexyl)phthalate	0.260U	0.260	10.4	ug/L
85-68-7	Butyl benzyl phthalate	0.260U	0.260	10.4	ug/L
86-74-8	Carbazole	0.521U	0.521	10.4	ug/L
132-64-9	Dibenzofuran	0.521U	0.521	10.4	ug/L
84-66-2	Diethyl phthalate	0.521U	0.521	10.4	ug/L
131-11-3	Dimethyl phthalate	0.521U	0.521	10.4	ug/L
84-74-2	Di-n-butyl phthalate	0.521U	0.521	10.4	ug/L
117-84-0	Di-n-octyl phthalate	0.260U	0.260	10.4	ug/L
118-74-1	Hexachlorobenzene	0.521U	0.521	10.4	ug/L
87-68-3	Hexachlorobutadiene	0.521U	0.521	10.4	ug/L
77-47-4	Hexachlorocyclopentadiene	1.56U	1.56	10.4	ug/L
67-72-1	Hexachloroethane	0.521U	0.521	10.4	ug/L
78-59-1	Isophorone	0.521U	0.521	10.4	ug/L
1319-77-3MP	m,p-Cresol	0.260U	0.260	10.4	ug/L
98-95-3	Nitrobenzene	0.521U	0.521	10.4	ug/L
62-75-9	n-Nitrosodimethylamine	0.521U	0.521	10.4	ug/L
621-64-7	n-Nitrosodi-n-propylamine	0.521U	0.521	10.4	ug/L
86-30-6	n-Nitrosodiphenylamine	0.521U	0.521	10.4	ug/L
95-48-7	o-Cresol	0.521U	0.521	10.4	ug/L
87-86-5	Pentachlorophenol	0.521U	0.521	10.4	ug/L
108-95-2	Phenol	0.521U	0.521	10.4	ug/L
110-86-1	Pyridine	1.56U	1.56	10.4	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	52.10	47.7	ug/L	92	44 - 120
321-60-8	2-Fluorobiphenyl	52.10	42.7	ug/L	82	44 - 119
1718-51-0	Terphenyl-d14	52.10	36.3	ug/L	70	50 - 134
4165-62-2	Phenol-d5	104	.603	ug/L	.6*	10 - 120
367-12-4	2-Fluorophenol	104	0	ug/L	0*	19 - 119
118-79-6	2,4,6-Tribromophenol	104	91.8	ug/L	88	43 - 140

Sample Results

PNTX1129X003	**Collect Date**	11/29/2019 09:15	**LAB ID**	21911291303
	Receive Date	11/29/2019 19:17	**Matrix**	Water

EPA 8270C SIM

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
11/29/2019 19:45	672361	EPA 3510C	1	11/29/2019 22:11	DLB	672367

CAS#	Parameter	Result	DL	LOQ	Units
90-12-0	1-Methylnaphthalene	3.21	0.043	0.109	ug/L
91-57-6	2-Methylnaphthalene	3.98	0.043	0.109	ug/L
83-32-9	Acenaphthene	0.492	0.014	0.109	ug/L
120-12-7	Anthracene	1.84	0.043	0.109	ug/L
56-55-3	Benzo(a)anthracene	0.992	0.027	0.109	ug/L
50-32-8	Benzo(a)pyrene	1.04	0.014	0.109	ug/L
205-99-2	Benzo(b)fluoranthene	0.896	0.014	0.109	ug/L
191-24-2	Benzo(g,h,i)perylene	0.439	0.014	0.109	ug/L
207-08-9	Benzo(k)fluoranthene	0.385	0.027	0.109	ug/L
218-01-9	Chrysene	0.999	0.027	0.109	ug/L
53-70-3	Dibenz(a,h)anthracene	0.043J	0.027	0.109	ug/L
206-44-0	Fluoranthene	5.27	0.014	0.109	ug/L
86-73-7	Fluorene	3.35	0.043	0.109	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.390	0.014	0.109	ug/L
85-01-8	Phenanthrene	10.5	0.014	0.109	ug/L
129-00-0	Pyrene	5.82	0.027	0.109	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
7297-45-2	2-Methylnaphthalene-d10	5.43	2.86	ug/L	53	50 - 150
93951-69-0	Fluoranthene-d10	5.43	3.59	ug/L	66	50 - 150

EPA 8270C SIM

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
11/29/2019 19:45	672361	EPA 3510C	10	11/29/2019 23:15	DLB	672367

CAS#	Parameter	Result	DL	LOQ	Units
208-96-8	Acenaphthylene	9.56	0.435	1.09	ug/L
91-20-3	Naphthalene	30.1	0.136	1.09	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
7297-45-2	2-Methylnaphthalene-d10	5.43	Diluted Out	ug/L	0*	50 - 150
93951-69-0	Fluoranthene-d10	5.43	Diluted Out	ug/L	0*	50 - 150

Sample Results

PNTX1129X003	**Collect Date**	11/29/2019 09:15	**LAB ID**	21911291303
	Receive Date	11/29/2019 19:17	**Matrix**	Water

EPA 8015C

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/29/2019 21:35	MFS	672358

CAS#	Parameter	Result	DL	LOQ	Units
107-21-1	Ethylene Glycol	0.551J	0.265	1.00	mg/L

TX1005

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
11/29/2019 19:29	672363	TX1005	1	11/29/2019 23:51	MFS	672365

CAS#	Parameter	Result	DL	LOQ	Units
GCSV-05-02	>C12-C28	4050	124	2370	ug/L
GCSV-05-03	>C28-C35	124U	124	2370	ug/L
GCSV-05-01	C6-C12	107U	107	1420	ug/L
GCSV-05-04	Total TPH (C6-C35)	4050	107	2370	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
84-15-1	o-Terphenyl	15800	14700	ug/L	93	58 - 148

EPA 1664A

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/29/2019 19:55	JDM	672362

CAS#	Parameter	Result	DL	LOQ	Units
C-007	Oil and Grease	11.1	1.7	5.6	mg/L

SM 5310 B-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/29/2019 21:00	PLH	672354

CAS#	Parameter	Result	DL	LOQ	Units
C-012	Total Organic Carbon	76.7	0.300	2.00	mg/L

Sample Results

PNTX1129X004	**Collect Date**	11/29/2019 10:50	**LAB ID**	21911291304
	Receive Date	11/29/2019 19:17	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/29/2019 21:52	SMR	672360

CAS#	Parameter	Result	DL	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	0.200U	0.200	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.200U	0.200	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.200U	0.200	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.200U	0.200	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.200U	0.200	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.200U	0.200	5.00	ug/L
563-58-6	1,1-Dichloropropene	0.200U	0.200	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.200U	0.200	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.200U	0.200	5.00	ug/L
95-63-6	**1,2,4-Trimethylbenzene**	**0.980J**	**0.200**	**5.00**	**ug/L**
96-12-8	1,2-Dibromo-3-chloropropane	0.200U	0.200	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.200U	0.200	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.200U	0.200	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.200U	0.200	5.00	ug/L
540-59-0	1,2-Dichloroethene(Total)	0.400U	0.400	10.0	ug/L
78-87-5	1,2-Dichloropropane	0.200U	0.200	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.200U	0.200	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.200U	0.200	5.00	ug/L
142-28-9	1,3-Dichloropropane	0.200U	0.200	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.200U	0.200	5.00	ug/L
594-20-7	2,2-Dichloropropane	0.200U	0.200	5.00	ug/L
78-93-3	**2-Butanone**	**31.0**	**0.200**	**5.00**	**ug/L**
110-75-8	2-Chloroethylvinyl ether	1.00U	1.00	5.00	ug/L
95-49-8	2-Chlorotoluene	0.200U	0.200	5.00	ug/L
591-78-6	2-Hexanone	0.500U	0.500	5.00	ug/L
106-43-4	4-Chlorotoluene	0.200U	0.200	5.00	ug/L
99-87-6	4-Isopropyltoluene	0.200U	0.200	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	0.200U	0.200	5.00	ug/L
67-64-1	**Acetone**	**22.0**	**0.500**	**5.00**	**ug/L**
107-02-8	Acrolein	2.50U	2.50	25.0	ug/L
107-13-1	Acrylonitrile	1.00U	1.00	25.0	ug/L
71-43-2	**Benzene**	**46.5**	**0.200**	**5.00**	**ug/L**
108-86-1	Bromobenzene	0.200U	0.200	5.00	ug/L
74-97-5	Bromochloromethane	0.200U	0.200	5.00	ug/L
75-27-4	Bromodichloromethane	0.200U	0.200	5.00	ug/L
75-25-2	Bromoform	0.250U	0.250	5.00	ug/L
74-83-9	Bromomethane	0.500U	0.500	5.00	ug/L
75-15-0	Carbon disulfide	0.200U	0.200	5.00	ug/L
56-23-5	Carbon tetrachloride	0.250U	0.250	5.00	ug/L
108-90-7	Chlorobenzene	0.200U	0.200	5.00	ug/L
75-00-3	Chloroethane	0.250U	0.250	5.00	ug/L
67-66-3	**Chloroform**	**3.45J**	**0.200**	**5.00**	**ug/L**
74-87-3	Chloromethane	0.200U	0.200	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.200U	0.200	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.200U	0.200	5.00	ug/L
124-48-1	Dibromochloromethane	0.200U	0.200	5.00	ug/L
74-95-3	Dibromomethane	0.250U	0.250	5.00	ug/L

Sample Results

PNTX1129X004	**Collect Date**	11/29/2019 10:50	**LAB ID**	21911291304
	Receive Date	11/29/2019 19:17	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/29/2019 21:52	SMR	672360

CAS#	Parameter	Result	DL	LOQ	Units
75-71-8	Dichlorodifluoromethane	0.200U	0.200	5.00	ug/L
100-41-4	**Ethylbenzene**	**6.95**	**0.200**	**5.00**	**ug/L**
87-68-3	Hexachlorobutadiene	0.500U	0.500	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.200U	0.200	5.00	ug/L
136777-61-2	**m,p-Xylene**	**5.30J**	**0.200**	**10.0**	**ug/L**
74-88-4	Methyl iodide	0.500U	0.500	5.00	ug/L
75-09-2	**Methylene chloride**	**0.418J**	**0.200**	**5.00**	**ug/L**
91-20-3	**Naphthalene**	**95.3**	**0.200**	**5.00**	**ug/L**
104-51-8	n-Butylbenzene	0.200U	0.200	5.00	ug/L
103-65-1	n-Propylbenzene	1.00U	1.00	5.00	ug/L
95-47-6	**o-Xylene**	**2.83J**	**0.200**	**5.00**	**ug/L**
135-98-8	sec-Butylbenzene	0.200U	0.200	5.00	ug/L
100-42-5	**Styrene**	**13.8**	**0.200**	**5.00**	**ug/L**
1634-04-4	**tert-Butyl methyl ether (MTBE)**	**107**	**0.200**	**5.00**	**ug/L**
98-06-6	tert-Butylbenzene	0.200U	0.200	5.00	ug/L
127-18-4	Tetrachloroethene	0.200U	0.200	5.00	ug/L
108-88-3	**Toluene**	**8.88**	**0.200**	**5.00**	**ug/L**
156-60-5	trans-1,2-Dichloroethene	0.200U	0.200	5.00	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.200U	0.200	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	0.500U	0.500	5.00	ug/L
79-01-6	Trichloroethene	0.200U	0.200	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.200U	0.200	5.00	ug/L
76-13-1	Trichlorotrifluoroethane	0.200U	0.200	5.00	ug/L
108-05-4	Vinyl acetate	0.200U	0.200	5.00	ug/L
75-01-4	Vinyl chloride	0.200U	0.200	2.00	ug/L
1330-20-7	**Xylene (total)**	**8.13J**	**0.400**	**15.0**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	50	ug/L	100	78 - 130
1868-53-7	Dibromofluoromethane	50	47.9	ug/L	96	77 - 127
2037-26-5	Toluene d8	50	52	ug/L	104	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	47.3	ug/L	95	71 - 127

Library Search VOCs

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/29/2019 21:52	SMR	672364

CAS#	Parameter	Result	Retention	Units
7446-09-5	**Sulfur dioxide**	**40.6**	**1.86**	**ug/L**
	Unknown	**12.6**	**8.94**	**ug/L**
77-73-6	**4,7-Methano-1H-indene, 3a,4,7,7a-tetrahy**	**42.2**	**10.48**	**ug/L**
874-41-9	**Benzene, 1-ethyl-2,4-dimethyl-**	**7.98**	**10.69**	**ug/L**

Sample Results

PNTX1129X004	**Collect Date**	11/29/2019 10:50	**LAB ID**	21911291304
	Receive Date	11/29/2019 19:17	**Matrix**	Water

Library Search VOCs (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/29/2019 21:52	SMR	672364

CAS#	Parameter	Result	Retention	Units
95-13-6	Indene	22.6	10.89	ug/L
95-93-2	Benzene, 1,2,4,5-tetramethyl-	29.5	11.23	ug/L
874-35-1	1H-Indene, 2,3-dihydro-5-methyl-	7.49	11.40	ug/L
768-49-0	Benzene, (2-methyl-1-propenyl)-	13.7	11.53	ug/L
	Unknown	8.84	11.77	ug/L
	Unknown	158	1.96	ug/L
106-99-0	1,3-Butadiene	296	2.02	ug/L
	Unknown	51.2	2.11	ug/L
	Unknown	10.9	2.28	ug/L
	Unknown	9.21	2.54	ug/L
503-17-3	2-Butyne	7.38	2.77	ug/L
1634-04-4	Propane, 2-methoxy-2-methyl-	77.4	4.29	ug/L
100-40-3	Cyclohexene, 4-ethenyl-	46.4	8.61	ug/L

EPA 8270C

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
11/29/2019 19:50	672342	EPA 3510C	1	11/29/2019 22:17	DLB	672355

CAS#	Parameter	Result	DL	LOQ	Units
120-82-1	1,2,4-Trichlorobenzene	0.568U	0.568	11.4	ug/L
95-50-1	1,2-Dichlorobenzene	0.568U	0.568	11.4	ug/L
122-66-7	1,2Diphenylhydrazine/Azobenzen	0.568U	0.568	11.4	ug/L
541-73-1	1,3-Dichlorobenzene	0.568U	0.568	11.4	ug/L
106-46-7	1,4-Dichlorobenzene	0.568U	0.568	11.4	ug/L
95-95-4	2,4,5-Trichlorophenol	0.568U	0.568	11.4	ug/L
88-06-2	2,4,6-Trichlorophenol	0.568U	0.568	11.4	ug/L
120-83-2	2,4-Dichlorophenol	0.568U	0.568	11.4	ug/L
105-67-9	2,4-Dimethylphenol	0.568U	0.568	11.4	ug/L
51-28-5	2,4-Dinitrophenol	1.70U	1.70	11.4	ug/L
121-14-2	2,4-Dinitrotoluene	0.568U	0.568	11.4	ug/L
606-20-2	2,6-Dinitrotoluene	0.568U	0.568	11.4	ug/L
91-58-7	2-Chloronaphthalene	0.568U	0.568	11.4	ug/L
95-57-8	2-Chlorophenol	0.568U	0.568	11.4	ug/L
88-74-4	2-Nitroaniline	0.568U	0.568	11.4	ug/L
88-75-5	2-Nitrophenol	0.568U	0.568	11.4	ug/L
91-94-1	3,3'-Dichlorobenzidine	0.568U	0.568	11.4	ug/L
99-09-2	3-Nitroaniline	0.568U	0.568	11.4	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	1.70U	1.70	11.4	ug/L
101-55-3	4-Bromophenyl phenyl ether	0.568U	0.568	11.4	ug/L
59-50-7	4-Chloro-3-methylphenol	0.568U	0.568	11.4	ug/L
106-47-8	4-Chloroaniline	0.568U	0.568	11.4	ug/L
7005-72-3	4-Chlorophenyl phenyl ether	0.568U	0.568	11.4	ug/L
100-01-6	4-Nitroaniline	1.70U	1.70	11.4	ug/L

Sample Results

PNTX1129X004	**Collect Date**	11/29/2019 10:50	**LAB ID**	21911291304
	Receive Date	11/29/2019 19:17	**Matrix**	Water

EPA 8270C (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
11/29/2019 19:50	672342	EPA 3510C	1	11/29/2019 22:17	DLB	672355

CAS#	Parameter	Result	DL	LOQ	Units
100-02-7	4-Nitrophenol	1.70U	1.70	11.4	ug/L
62-53-3	Aniline	0.852U	0.852	11.4	ug/L
92-87-5	Benzidine	2.84U	2.84	56.8	ug/L
65-85-0	Benzoic acid	1.70U	1.70	11.4	ug/L
100-51-6	Benzyl alcohol	0.568U	0.568	11.4	ug/L
111-91-1	Bis(2-Chloroethoxy)methane	0.568U	0.568	11.4	ug/L
111-44-4	Bis(2-Chloroethyl)ether	0.568U	0.568	11.4	ug/L
108-60-1	Bis(2-Chloroisopropyl)ether	0.568U	0.568	11.4	ug/L
117-81-7	**Bis(2-Ethylhexyl)phthalate**	**1.05J**	**0.284**	**11.4**	**ug/L**
85-68-7	Butyl benzyl phthalate	0.284U	0.284	11.4	ug/L
86-74-8	Carbazole	0.568U	0.568	11.4	ug/L
132-64-9	Dibenzofuran	0.568U	0.568	11.4	ug/L
84-66-2	Diethyl phthalate	0.568U	0.568	11.4	ug/L
131-11-3	Dimethyl phthalate	0.568U	0.568	11.4	ug/L
84-74-2	Di-n-butyl phthalate	0.568U	0.568	11.4	ug/L
117-84-0	Di-n-octyl phthalate	0.284U	0.284	11.4	ug/L
118-74-1	Hexachlorobenzene	0.568U	0.568	11.4	ug/L
87-68-3	Hexachlorobutadiene	0.568U	0.568	11.4	ug/L
77-47-4	Hexachlorocyclopentadiene	1.70U	1.70	11.4	ug/L
67-72-1	Hexachloroethane	0.568U	0.568	11.4	ug/L
78-59-1	Isophorone	0.568U	0.568	11.4	ug/L
1319-77-3MP	m,p-Cresol	0.284U	0.284	11.4	ug/L
98-95-3	Nitrobenzene	0.568U	0.568	11.4	ug/L
62-75-9	n-Nitrosodimethylamine	0.568U	0.568	11.4	ug/L
621-64-7	n-Nitrosodi-n-propylamine	0.568U	0.568	11.4	ug/L
86-30-6	n-Nitrosodiphenylamine	0.568U	0.568	11.4	ug/L
95-48-7	o-Cresol	0.568U	0.568	11.4	ug/L
87-86-5	Pentachlorophenol	0.568U	0.568	11.4	ug/L
108-95-2	Phenol	0.568U	0.568	11.4	ug/L
110-86-1	Pyridine	1.70U	1.70	11.4	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
4165-60-0	Nitrobenzene-d5	56.80	51.3	ug/L	90	44 - 120
321-60-8	2-Fluorobiphenyl	56.80	46	ug/L	81	44 - 119
1718-51-0	Terphenyl-d14	56.80	31.4	ug/L	55	50 - 134
4165-62-2	Phenol-d5	114	0	ug/L	0*	10 - 120
367-12-4	2-Fluorophenol	114	0	ug/L	0*	19 - 119
118-79-6	2,4,6-Tribromophenol	114	102	ug/L	90	43 - 140

Sample Results

PNTX1129X004	**Collect Date**	11/29/2019 10:50	**LAB ID**	21911291304
	Receive Date	11/29/2019 19:17	**Matrix**	Water

EPA 8270C SIM

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
11/29/2019 19:45	672361	EPA 3510C	10	11/29/2019 22:32	DLB	672367

CAS#	Parameter	Result	DL	LOQ	Units
90-12-0	1-Methylnaphthalene	3.61	0.444	1.11	ug/L
91-57-6	2-Methylnaphthalene	4.45	0.444	1.11	ug/L
83-32-9	Acenaphthene	0.609J	0.139	1.11	ug/L
208-96-8	Acenaphthylene	23.0	0.444	1.11	ug/L
120-12-7	Anthracene	2.30	0.444	1.11	ug/L
56-55-3	Benzo(a)anthracene	1.03J	0.278	1.11	ug/L
50-32-8	Benzo(a)pyrene	0.859J	0.139	1.11	ug/L
205-99-2	Benzo(b)fluoranthene	0.633J	0.139	1.11	ug/L
191-24-2	Benzo(g,h,i)perylene	0.575J	0.139	1.11	ug/L
207-08-9	Benzo(k)fluoranthene	0.278U	0.278	1.11	ug/L
218-01-9	Chrysene	0.891J	0.278	1.11	ug/L
53-70-3	Dibenz(a,h)anthracene	0.278U	0.278	1.11	ug/L
206-44-0	Fluoranthene	5.49	0.139	1.11	ug/L
86-73-7	Fluorene	4.45	0.444	1.11	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.350J	0.139	1.11	ug/L
91-20-3	Naphthalene	63.8	0.139	1.11	ug/L
85-01-8	Phenanthrene	13.6	0.139	1.11	ug/L
129-00-0	Pyrene	6.83	0.278	1.11	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
7297-45-2	2-Methylnaphthalene-d10	5.56	Diluted Out	ug/L	0*	50 - 150
93951-69-0	Fluoranthene-d10	5.56	Diluted Out	ug/L	0*	50 - 150

EPA 8015C

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/29/2019 21:46	MFS	672358

CAS#	Parameter	Result	DL	LOQ	Units
107-21-1	Ethylene Glycol	0.447J	0.265	1.00	mg/L

Sample Results

PNTX1129X004	**Collect Date**	11/29/2019 10:50	**LAB ID**	21911291304
	Receive Date	11/29/2019 19:17	**Matrix**	Water

TX1005

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
11/29/2019 19:29	672363	TX1005	1	11/30/2019 00:23	MFS	672365

CAS#	Parameter	Result	DL	LOQ	Units
GCSV-05-02	>C12-C28	122U	122	2340	ug/L
GCSV-05-03	>C28-C35	122U	122	2340	ug/L
GCSV-05-01	C6-C12	105U	105	1400	ug/L
GCSV-05-04	Total TPH (C6-C35)	105U	105	2340	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
84-15-1	o-Terphenyl	15600	16900	ug/L	108	58 - 148

EPA 1664A

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/29/2019 19:55	JDM	672362

CAS#	Parameter	Result	DL	LOQ	Units
C-007	Oil and Grease	1.9U	1.9	6.5	mg/L

SM 5310 B-2011

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/29/2019 21:19	PLH	672354

CAS#	Parameter	Result	DL	LOQ	Units
C-012	Total Organic Carbon	83.4	0.300	2.00	mg/L

Sample Results

PNTX1129T001	**Collect Date**	11/29/2019 00:01	**LAB ID**	21911291305
	Receive Date	11/29/2019 19:17	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/29/2019 20:00	SMR	672360

CAS#	Parameter	Result	DL	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	0.200U	0.200	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.200U	0.200	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.200U	0.200	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.200U	0.200	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.200U	0.200	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.200U	0.200	5.00	ug/L
563-58-6	1,1-Dichloropropene	0.200U	0.200	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.200U	0.200	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.200U	0.200	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.200U	0.200	5.00	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.200U	0.200	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.200U	0.200	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.200U	0.200	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.200U	0.200	5.00	ug/L
540-59-0	1,2-Dichloroethene(Total)	0.400U	0.400	10.0	ug/L
78-87-5	1,2-Dichloropropane	0.200U	0.200	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.200U	0.200	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.200U	0.200	5.00	ug/L
142-28-9	1,3-Dichloropropane	0.200U	0.200	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.200U	0.200	5.00	ug/L
594-20-7	2,2-Dichloropropane	0.200U	0.200	5.00	ug/L
78-93-3	2-Butanone	0.200U	0.200	5.00	ug/L
110-75-8	2-Chloroethylvinyl ether	1.00U	1.00	5.00	ug/L
95-49-8	2-Chlorotoluene	0.200U	0.200	5.00	ug/L
591-78-6	2-Hexanone	0.500U	0.500	5.00	ug/L
106-43-4	4-Chlorotoluene	0.200U	0.200	5.00	ug/L
99-87-6	4-Isopropyltoluene	0.200U	0.200	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	0.200U	0.200	5.00	ug/L
67-64-1	Acetone	0.500U	0.500	5.00	ug/L
107-02-8	Acrolein	2.50U	2.50	25.0	ug/L
107-13-1	Acrylonitrile	1.00U	1.00	25.0	ug/L
71-43-2	Benzene	0.200U	0.200	5.00	ug/L
108-86-1	Bromobenzene	0.200U	0.200	5.00	ug/L
74-97-5	Bromochloromethane	0.200U	0.200	5.00	ug/L
75-27-4	Bromodichloromethane	0.200U	0.200	5.00	ug/L
75-25-2	Bromoform	0.250U	0.250	5.00	ug/L
74-83-9	Bromomethane	0.500U	0.500	5.00	ug/L
75-15-0	Carbon disulfide	0.200U	0.200	5.00	ug/L
56-23-5	Carbon tetrachloride	0.250U	0.250	5.00	ug/L
108-90-7	Chlorobenzene	0.200U	0.200	5.00	ug/L
75-00-3	Chloroethane	0.250U	0.250	5.00	ug/L
67-66-3	Chloroform	0.200U	0.200	5.00	ug/L
74-87-3	Chloromethane	0.200U	0.200	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.200U	0.200	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.200U	0.200	5.00	ug/L
124-48-1	Dibromochloromethane	0.200U	0.200	5.00	ug/L
74-95-3	Dibromomethane	0.250U	0.250	5.00	ug/L

Sample Results

PNTX1129T001	**Collect Date**	11/29/2019 00:01	**LAB ID**	21911291305
	Receive Date	11/29/2019 19:17	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/29/2019 20:00	SMR	672360

CAS#	Parameter	Result	DL	LOQ	Units
75-71-8	Dichlorodifluoromethane	0.200U	0.200	5.00	ug/L
100-41-4	Ethylbenzene	0.200U	0.200	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.500U	0.500	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.200U	0.200	5.00	ug/L
136777-61-2	m,p-Xylene	0.200U	0.200	10.0	ug/L
74-88-4	Methyl iodide	0.500U	0.500	5.00	ug/L
75-09-2	Methylene chloride	0.200U	0.200	5.00	ug/L
91-20-3	Naphthalene	0.200U	0.200	5.00	ug/L
104-51-8	n-Butylbenzene	0.200U	0.200	5.00	ug/L
103-65-1	n-Propylbenzene	1.00U	1.00	5.00	ug/L
95-47-6	o-Xylene	0.200U	0.200	5.00	ug/L
135-98-8	sec-Butylbenzene	0.200U	0.200	5.00	ug/L
100-42-5	Styrene	0.200U	0.200	5.00	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.200U	0.200	5.00	ug/L
98-06-6	tert-Butylbenzene	0.200U	0.200	5.00	ug/L
127-18-4	Tetrachloroethene	0.200U	0.200	5.00	ug/L
108-88-3	Toluene	0.200U	0.200	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.200U	0.200	5.00	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.200U	0.200	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	0.500U	0.500	5.00	ug/L
79-01-6	Trichloroethene	0.200U	0.200	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.200U	0.200	5.00	ug/L
76-13-1	Trichlorotrifluoroethane	0.200U	0.200	5.00	ug/L
108-05-4	Vinyl acetate	0.200U	0.200	5.00	ug/L
75-01-4	Vinyl chloride	0.200U	0.200	2.00	ug/L
1330-20-7	Xylene (total)	0.400U	0.400	15.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	45.5	ug/L	91	78 - 130
1868-53-7	Dibromofluoromethane	50	49.9	ug/L	100	77 - 127
2037-26-5	Toluene d8	50	50.4	ug/L	101	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	47.2	ug/L	94	71 - 127

Sample Results

PNTX1129T002	**Collect Date**	11/29/2019 00:01	**LAB ID**	21911291306
	Receive Date	11/29/2019 19:17	**Matrix**	Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/29/2019 20:22	SMR	672360

CAS#	Parameter	Result	DL	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	0.200U	0.200	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.200U	0.200	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.200U	0.200	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.200U	0.200	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.200U	0.200	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.200U	0.200	5.00	ug/L
563-58-6	1,1-Dichloropropene	0.200U	0.200	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.200U	0.200	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.200U	0.200	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.200U	0.200	5.00	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.200U	0.200	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.200U	0.200	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.200U	0.200	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.200U	0.200	5.00	ug/L
540-59-0	1,2-Dichloroethene(Total)	0.400U	0.400	10.0	ug/L
78-87-5	1,2-Dichloropropane	0.200U	0.200	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.200U	0.200	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.200U	0.200	5.00	ug/L
142-28-9	1,3-Dichloropropane	0.200U	0.200	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.200U	0.200	5.00	ug/L
594-20-7	2,2-Dichloropropane	0.200U	0.200	5.00	ug/L
78-93-3	2-Butanone	0.200U	0.200	5.00	ug/L
110-75-8	2-Chloroethylvinyl ether	1.00U	1.00	5.00	ug/L
95-49-8	2-Chlorotoluene	0.200U	0.200	5.00	ug/L
591-78-6	2-Hexanone	0.500U	0.500	5.00	ug/L
106-43-4	4-Chlorotoluene	0.200U	0.200	5.00	ug/L
99-87-6	4-Isopropyltoluene	0.200U	0.200	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	0.200U	0.200	5.00	ug/L
67-64-1	**Acetone**	**1.75J**	**0.500**	**5.00**	**ug/L**
107-02-8	Acrolein	2.50U	2.50	25.0	ug/L
107-13-1	Acrylonitrile	1.00U	1.00	25.0	ug/L
71-43-2	Benzene	0.200U	0.200	5.00	ug/L
108-86-1	Bromobenzene	0.200U	0.200	5.00	ug/L
74-97-5	Bromochloromethane	0.200U	0.200	5.00	ug/L
75-27-4	Bromodichloromethane	0.200U	0.200	5.00	ug/L
75-25-2	Bromoform	0.250U	0.250	5.00	ug/L
74-83-9	Bromomethane	0.500U	0.500	5.00	ug/L
75-15-0	Carbon disulfide	0.200U	0.200	5.00	ug/L
56-23-5	Carbon tetrachloride	0.250U	0.250	5.00	ug/L
108-90-7	Chlorobenzene	0.200U	0.200	5.00	ug/L
75-00-3	Chloroethane	0.250U	0.250	5.00	ug/L
67-66-3	Chloroform	0.200U	0.200	5.00	ug/L
74-87-3	Chloromethane	0.200U	0.200	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.200U	0.200	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.200U	0.200	5.00	ug/L
124-48-1	Dibromochloromethane	0.200U	0.200	5.00	ug/L
74-95-3	Dibromomethane	0.250U	0.250	5.00	ug/L

Sample Results

PNTX1129T002	**Collect Date**	11/29/2019 00:01	**LAB ID**	21911291306
	Receive Date	11/29/2019 19:17	**Matrix**	Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/29/2019 20:22	SMR	672360

CAS#	Parameter	Result	DL	LOQ	Units
75-71-8	Dichlorodifluoromethane	0.200U	0.200	5.00	ug/L
100-41-4	Ethylbenzene	0.200U	0.200	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.500U	0.500	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	0.200U	0.200	5.00	ug/L
136777-61-2	m,p-Xylene	0.200U	0.200	10.0	ug/L
74-88-4	Methyl iodide	0.500U	0.500	5.00	ug/L
75-09-2	Methylene chloride	0.200U	0.200	5.00	ug/L
91-20-3	Naphthalene	0.200U	0.200	5.00	ug/L
104-51-8	n-Butylbenzene	0.200U	0.200	5.00	ug/L
103-65-1	n-Propylbenzene	1.00U	1.00	5.00	ug/L
95-47-6	o-Xylene	0.200U	0.200	5.00	ug/L
135-98-8	sec-Butylbenzene	0.200U	0.200	5.00	ug/L
100-42-5	Styrene	0.200U	0.200	5.00	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	0.200U	0.200	5.00	ug/L
98-06-6	tert-Butylbenzene	0.200U	0.200	5.00	ug/L
127-18-4	Tetrachloroethene	0.200U	0.200	5.00	ug/L
108-88-3	Toluene	0.200U	0.200	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.200U	0.200	5.00	ug/L
10061-02-6	trans-1,3-Dichloropropene	0.200U	0.200	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	0.500U	0.500	5.00	ug/L
79-01-6	Trichloroethene	0.200U	0.200	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.200U	0.200	5.00	ug/L
76-13-1	Trichlorotrifluoroethane	0.200U	0.200	5.00	ug/L
108-05-4	Vinyl acetate	0.200U	0.200	5.00	ug/L
75-01-4	Vinyl chloride	0.200U	0.200	2.00	ug/L
1330-20-7	Xylene (total)	0.400U	0.400	15.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	47.5	ug/L	95	78 - 130
1868-53-7	Dibromofluoromethane	50	50.7	ug/L	101	77 - 127
2037-26-5	Toluene d8	50	49.8	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	47.9	ug/L	96	71 - 127

GC/MS Volatiles QC Summary

Analytical Batch 672360	Client ID	MB672360		LCS672360				LCSD672360				
	LAB ID	1987293		1987294				1987295				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	11/29/2019 18:13		11/29/2019 16:44				11/29/2019 17:06				
	Matrix	Water		Water				Water				
EPA 8260B		Units Result	ug/L DL	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	630-20-6	0.200U	0.200	50.0	55.4	111	75 - 124	50.0	54.8	110	1	30
1,1,1-Trichloroethane	71-55-6	0.200U	0.200	50.0	53.2	106	76 - 126	50.0	50.5	101	5	30
1,1,2,2-Tetrachloroethane	79-34-5	0.200U	0.200	50.0	48.4	97	70 - 122	50.0	49.2	98	2	30
1,1,2-Trichloroethane	79-00-5	0.200U	0.200	50.0	52.6	105	72 - 121	50.0	52.2	104	1	30
1,1-Dichloroethane	75-34-3	0.200U	0.200	50.0	56.0	112	74 - 127	50.0	52.6	105	6	30
1,1-Dichloroethene	75-35-4	0.200U	0.200	50.0	59.2	118	69 - 129	50.0	55.2	110	7	20
1,1-Dichloropropene	563-58-6	0.200U	0.200	50.0	56.0	112	72 - 131	50.0	53.4	107	5	30
1,2,3-Trichloropropane	96-18-4	0.200U	0.200	50.0	50.1	100	70 - 120	50.0	49.6	99	1	30
1,2,4-Trichlorobenzene	120-82-1	0.200U	0.200	50.0	52.4	105	61 - 135	50.0	47.1	94	11	30
1,2,4-Trimethylbenzene	95-63-6	0.200U	0.200	50.0	57.7	115	74 - 125	50.0	53.7	107	7	30
1,2-Dibromo-3-chloropropane	96-12-8	0.200U	0.200	50.0	51.5	103	57 - 121	50.0	56.6	113	9	30
1,2-Dibromoethane	106-93-4	0.200U	0.200	50.0	56.3	113	70 - 124	50.0	56.7	113	1	30
1,2-Dichlorobenzene	95-50-1	0.200U	0.200	50.0	55.0	110	71 - 126	50.0	53.0	106	4	30
1,2-Dichloroethane	107-06-2	0.200U	0.200	50.0	52.8	106	71 - 129	50.0	52.7	105	0	30
1,2-Dichloroethene(Total)	540-59-0	0.400U	0.400	100	114	114	74 - 128	100	109	109	4	30
1,2-Dichloropropane	78-87-5	0.200U	0.200	50.0	54.8	110	72 - 128	50.0	51.9	104	5	30
1,3,5-Trimethylbenzene	108-67-8	0.200U	0.200	50.0	56.1	112	71 - 132	50.0	50.5	101	11	30
1,3-Dichlorobenzene	541-73-1	0.200U	0.200	50.0	56.6	113	74 - 126	50.0	53.5	107	6	30
1,3-Dichloropropane	142-28-9	0.200U	0.200	50.0	55.8	112	74 - 122	50.0	56.4	113	1	30
1,4-Dichlorobenzene	106-46-7	0.200U	0.200	50.0	56.7	113	72 - 122	50.0	51.4	103	10	30
2,2-Dichloropropane	594-20-7	0.200U	0.200	50.0	53.8	108	77 - 124	50.0	49.9	100	8	30
2-Butanone	78-93-3	0.200U	0.200	250	278	111	58 - 137	250	292	117	5	30
2-Chloroethylvinyl ether	110-75-8	1.00U	1.00	50.0	39.8	80	56 - 124	50.0	44.9	90	12	30
2-Chlorotoluene	95-49-8	0.200U	0.200	50.0	53.3	107	72 - 127	50.0	48.6	97	9	30
2-Hexanone	591-78-6	0.500U	0.500	250	291	116	50 - 135	250	303	121	4	30
4-Chlorotoluene	106-43-4	0.200U	0.200	50.0	55.2	110	75 - 126	50.0	51.8	104	6	30
4-Isopropyltoluene	99-87-6	0.200U	0.200	50.0	57.9	116	71 - 129	50.0	53.4	107	8	30
4-Methyl-2-pentanone	108-10-1	0.200U	0.200	250	283	113	57 - 132	250	291	116	3	30
Acetone	67-64-1	0.500U	0.500	250	263	105	44 - 156	250	277	111	5	30
Acrolein	107-02-8	2.50U	2.50	250	271	108	30 - 160	250	269	108	1	30
Acrylonitrile	107-13-1	1.00U	1.00	250	275	110	64 - 137	250	297	119	8	30
Benzene	71-43-2	0.200U	0.200	50.0	52.9	106	70 - 129	50.0	51.5	103	3	20
Bromobenzene	108-86-1	0.200U	0.200	50.0	51.6	103	71 - 120	50.0	48.9	98	5	30
Bromochloromethane	74-97-5	0.200U	0.200	50.0	57.5	115	76 - 130	50.0	53.9	108	6	30
Bromodichloromethane	75-27-4	0.200U	0.200	50.0	53.8	108	74 - 125	50.0	52.9	106	2	30
Bromoform	75-25-2	0.250U	0.250	50.0	56.6	113	64 - 122	50.0	59.0	118	4	30
Bromomethane	74-83-9	0.500U	0.500	50.0	40.6	81	47 - 138	50.0	39.7	79	2	30
Carbon disulfide	75-15-0	0.200U	0.200	50.0	56.8	114	69 - 136	50.0	55.0	110	3	30
Carbon tetrachloride	56-23-5	0.250U	0.250	50.0	57.4	115	76 - 128	50.0	54.4	109	5	30
Chlorobenzene	108-90-7	0.200U	0.200	50.0	53.5	107	74 - 123	50.0	50.9	102	5	20
Chloroethane	75-00-3	0.250U	0.250	50.0	52.3	105	62 - 141	50.0	54.9	110	5	30
Chloroform	67-66-3	0.200U	0.200	50.0	55.0	110	75 - 122	50.0	51.7	103	6	30
Chloromethane	74-87-3	0.200U	0.200	50.0	41.7	83	59 - 132	50.0	43.5	87	4	30
cis-1,2-Dichloroethene	156-59-2	0.200U	0.200	50.0	56.5	113	73 - 130	50.0	53.8	108	5	30
cis-1,3-Dichloropropene	10061-01-5	0.200U	0.200	50.0	60.6	121	71 - 132	50.0	59.8	120	1	30
Dibromochloromethane	124-48-1	0.200U	0.200	50.0	56.4	113	71 - 123	50.0	54.7	109	3	30
Dibromomethane	74-95-3	0.250U	0.250	50.0	56.1	112	72 - 129	50.0	56.6	113	1	30
Dichlorodifluoromethane	75-71-8	0.200U	0.200	50.0	55.0	110	58 - 140	50.0	54.8	110	0	30
Ethylbenzene	100-41-4	0.200U	0.200	50.0	55.9	112	74 - 126	50.0	53.7	107	4	30
Hexachlorobutadiene	87-68-3	0.500U	0.500	50.0	59.6	119	61 - 144	50.0	50.3	101	17	30
Isopropylbenzene (Cumene)	98-82-8	0.200U	0.200	50.0	58.1	116	71 - 125	50.0	56.2	112	3	30
m,p-Xylene	136777-61-2	0.200U	0.200	100	115	115	74 - 126	100	110	110	4	30
Methyl iodide	74-88-4	0.500U	0.500	50.0	36.5	73	57 - 141	50.0	37.1	74	2	30
Methylene chloride	75-09-2	0.372J	0.200	50.0	51.1	102	68 - 132	50.0	50.9	102	0	30
Naphthalene	91-20-3	0.200U	0.200	50.0	44.7	89	57 - 138	50.0	43.3	87	3	35
n-Butylbenzene	104-51-8	0.200U	0.200	50.0	57.7	115	69 - 134	50.0	52.1	104	10	30
n-Propylbenzene	103-65-1	1.00U	1.00	50.0	55.9	112	75 - 129	50.0	50.7	101	10	30
o-Xylene	95-47-6	0.200U	0.200	50.0	58.4	117	73 - 130	50.0	55.8	112	5	30

GC/MS Volatiles QC Summary

Analytical Batch 672360	Client ID	MB672360		LCS672360				LCSD672360				
	LAB ID	1987293		1987294				1987295				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	11/29/2019 18:13		11/29/2019 16:44				11/29/2019 17:06				
	Matrix	Water		Water				Water				
EPA 8260B		Units Result	ug/L DL	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
sec-Butylbenzene	135-98-8	0.200U	0.200	50.0	55.9	112	70 - 136	50.0	51.2	102	9	30
Styrene	100-42-5	0.200U	0.200	50.0	57.6	115	71 - 127	50.0	57.4	115	0	30
tert-Butyl methyl ether (MTBE)	1634-04-4	0.200U	0.200	50.0	55.8	112	71 - 125	50.0	55.6	111	0	30
tert-Butylbenzene	98-06-6	0.200U	0.200	50.0	54.3	109	72 - 126	50.0	60.6	121	11	30
Tetrachloroethene	127-18-4	0.200U	0.200	50.0	56.0	112	68 - 128	50.0	50.9	102	10	30
Toluene	108-88-3	0.200U	0.200	50.0	53.9	108	72 - 120	50.0	52.0	104	4	20
trans-1,2-Dichloroethene	156-60-5	0.200U	0.200	50.0	57.1	114	69 - 132	50.0	54.9	110	4	30
trans-1,3-Dichloropropene	10061-02-6	0.200U	0.200	50.0	52.0	104	71 - 131	50.0	51.5	103	1	30
trans-1,4-Dichloro-2-butene	110-57-6	0.500U	0.500	50.0	53.7	107	56 - 132	50.0	55.2	110	3	30
Trichloroethene	79-01-6	0.200U	0.200	50.0	55.8	112	76 - 129	50.0	51.9	104	7	20
Trichlorofluoromethane	75-69-4	0.200U	0.200	50.0	56.0	112	72 - 136	50.0	49.2	98	13	30
Trichlorotrifluoroethane	76-13-1	0.200U	0.200	50.0	57.7	115	72 - 136	50.0	52.6	105	9	30
Vinyl acetate	108-05-4	0.200U	0.200	250	308	123	54 - 147	250	300	120	3	30
Vinyl chloride	75-01-4	0.200U	0.200	50.0	51.3	103	68 - 132	50.0	47.6	95	7	30
Xylene (total)	1330-20-7	0.400U	0.400	150	174	116	74 - 127	150	166	111	5	30
Surrogate												
1,2-Dichloroethane-d4	17060-07-0	45.8	92	50	49.6	99	71 - 127	50	49.7	99	NA	NA
4-Bromofluorobenzene	460-00-4	47.9	96	50	49.6	99	78 - 130	50	52.3	105	NA	NA
Dibromofluoromethane	1868-53-7	49.2	98	50	49.8	100	77 - 127	50	49.7	99	NA	NA
Toluene d8	2037-26-5	51.9	104	50	51.1	102	76 - 134	50	50.8	102	NA	NA

GC/MS Semi-Volatiles QC Summary

Analytical Batch	Client ID	MB672342	LCS672342	LCSD672342
672355	LAB ID	1987216	1987217	1987218
Prep Batch	Sample Type	MB	LCS	LCSD
672342	Prep Date	11/29/2019 10:00	11/29/2019 10:00	11/29/2019 10:00
Prep Method	Analysis Date	11/29/2019 19:51	11/29/2019 20:07	11/29/2019 20:23
EPA 3510C	Matrix	Water	Water	Water

EPA 8270C		Units Result	ug/L DL	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
1,2,4-Trichlorobenzene	120-82-1	0.500U	0.500	50.0	34.9	70	29 - 116	50.0	35.2	70	1	30
1,2-Dichlorobenzene	95-50-1	0.500U	0.500	50.0	34.9	70	32 - 111	50.0	33.8	68	3	30
1,2Diphenylhydrazine/Azobenzen	122-66-7	0.500U	0.500	50.0	44.0	88	49 - 122	50.0	45.2	90	3	30
1,3-Dichlorobenzene	541-73-1	0.500U	0.500	50.0	34.2	68	28 - 110	50.0	34.1	68	0	30
1,4-Dichlorobenzene	106-46-7	0.500U	0.500	50.0	34.5	69	29 - 112	50.0	34.8	70	1	30
2,4,5-Trichlorophenol	95-95-4	0.500U	0.500	50.0	44.7	89	53 - 123	50.0	43.2	86	3	30
2,4,6-Trichlorophenol	88-06-2	0.500U	0.500	50.0	43.8	88	50 - 125	50.0	44.3	89	1	30
2,4-Dichlorophenol	120-83-2	0.500U	0.500	50.0	42.0	84	47 - 121	50.0	43.5	87	4	30
2,4-Dimethylphenol	105-67-9	0.500U	0.500	50.0	38.2	76	31 - 124	50.0	38.4	77	1	30
2,4-Dinitrophenol	51-28-5	1.50U	1.50	50.0	34.8	70	23 - 143	50.0	35.6	71	2	30
2,4-Dinitrotoluene	121-14-2	0.500U	0.500	50.0	39.9	80	57 - 128	50.0	37.9	76	5	30
2,6-Dinitrotoluene	606-20-2	0.500U	0.500	50.0	40.6	81	57 - 124	50.0	41.5	83	2	30
2-Chloronaphthalene	91-58-7	0.500U	0.500	50.0	39.4	79	40 - 116	50.0	38.8	78	2	30
2-Chlorophenol	95-57-8	0.500U	0.500	50.0	39.0	78	38 - 117	50.0	39.1	78	0	30
2-Nitroaniline	88-74-4	0.500U	0.500	50.0	43.4	87	55 - 127	50.0	41.6	83	4	30
2-Nitrophenol	88-75-5	0.500U	0.500	50.0	44.1	88	47 - 123	50.0	42.2	84	4	30
3,3'-Dichlorobenzidine	91-94-1	0.500U	0.500	100	97.1	97	27 - 129	100	99.1	99	2	30
3-Nitroaniline	99-09-2	0.500U	0.500	50.0	38.2	76	41 - 128	50.0	35.0	70	9	30
4,6-Dinitro-2-methylphenol	534-52-1	1.50U	1.50	50.0	41.0	82	44 - 137	50.0	40.0	80	2	30
4-Bromophenyl phenyl ether	101-55-3	0.500U	0.500	50.0	38.3	77	55 - 124	50.0	39.3	79	3	30
4-Chloro-3-methylphenol	59-50-7	0.500U	0.500	50.0	38.2	76	52 - 119	50.0	38.9	78	2	30
4-Chloroaniline	106-47-8	0.500U	0.500	50.0	51.7	103	33 - 117	50.0	51.2	102	1	30
4-Chlorophenyl phenyl ether	7005-72-3	0.500U	0.500	50.0	37.6	75	53 - 121	50.0	36.8	74	2	30
4-Nitroaniline	100-01-6	1.50U	1.50	50.0	39.0	78	38 - 120	50.0	37.7	75	3	30
4-Nitrophenol	100-02-7	1.50U	1.50	50.0	20.3	41	10 - 120	50.0	17.9	36	13	30
Aniline	62-53-3	0.750U	0.750	50.0	36.1	72	19 - 124	50.0	36.5	73	1	30
Benzidine	92-87-5	2.50U	2.50	50.0	6.25	13	10 - 120	50.0	7.71	15	21	30
Benzoic acid	65-85-0	1.50U	1.50	50.0	14.5	29	10 - 120	50.0	14.4	29	1	30
Benzyl alcohol	100-51-6	0.500U	0.500	50.0	29.3	59	31 - 112	50.0	29.2	58	0	30
Bis(2-Chloroethoxy)methane	111-91-1	0.500U	0.500	50.0	40.5	81	48 - 120	50.0	40.8	82	1	30
Bis(2-Chloroethyl)ether	111-44-4	0.500U	0.500	50.0	36.4	73	43 - 118	50.0	36.0	72	1	30
Bis(2-Chloroisopropyl)ether	108-60-1	0.500U	0.500	50.0	36.8	74	37 - 130	50.0	36.9	74	0	30
Bis(2-Ethylhexyl)phthalate	117-81-7	0.250U	0.250	50.0	34.9	70	55 - 135	50.0	37.6	75	7	30
Butyl benzyl phthalate	85-68-7	0.250U	0.250	50.0	39.8	80	53 - 134	50.0	42.1	84	6	30
Carbazole	86-74-8	0.500U	0.500	50.0	48.3	97	60 - 122	50.0	46.4	93	4	30
Dibenzofuran	132-64-9	0.500U	0.500	50.0	41.0	82	53 - 118	50.0	40.0	80	2	30
Diethyl phthalate	84-66-2	0.500U	0.500	50.0	42.2	84	56 - 125	50.0	40.9	82	3	30
Dimethyl phthalate	131-11-3	0.500U	0.500	50.0	43.1	86	45 - 127	50.0	42.2	84	2	30
Di-n-butyl phthalate	84-74-2	0.500U	0.500	50.0	44.9	90	59 - 127	50.0	45.5	91	1	30
Di-n-octyl phthalate	117-84-0	0.250U	0.250	50.0	39.9	80	51 - 140	50.0	40.2	80	1	30
Hexachlorobenzene	118-74-1	0.500U	0.500	50.0	40.2	80	53 - 125	50.0	40.7	81	1	30
Hexachlorobutadiene	87-68-3	0.500U	0.500	50.0	32.6	65	22 - 124	50.0	32.7	65	0	30
Hexachlorocyclopentadiene	77-47-4	1.50U	1.50	50.0	33.0	66	16 - 120	50.0	33.2	66	1	30
Hexachloroethane	67-72-1	0.500U	0.500	50.0	32.8	66	21 - 115	50.0	31.8	64	3	30
Isophorone	78-59-1	0.500U	0.500	50.0	40.0	80	42 - 124	50.0	41.6	83	4	30
m,p-Cresol	1319-77-3MP	0.250U	0.250	50.0	27.7	55	29 - 110	50.0	26.9	54	3	30
Nitrobenzene	98-95-3	0.500U	0.500	50.0	42.2	84	45 - 121	50.0	42.8	86	1	30
n-Nitrosodimethylamine	62-75-9	0.500U	0.500	50.0	17.5	35	12 - 120	50.0	18.2	36	4	30
n-Nitrosodi-n-propylamine	621-64-7	0.500U	0.500	50.0	43.9	88	49 - 119	50.0	43.0	86	2	30
n-Nitrosodiphenylamine	86-30-6	0.500U	0.500	50.0	42.5	85	51 - 123	50.0	42.4	85	0	30
o-Cresol	95-48-7	0.500U	0.500	50.0	31.4	63	30 - 117	50.0	30.6	61	3	30
Pentachlorophenol	87-86-5	0.500U	0.500	50.0	40.1	80	35 - 138	50.0	37.1	74	8	30
Phenol	108-95-2	0.500U	0.500	50.0	13.1	26	16 - 120	50.0	14.8	30	12	30
Pyridine	110-86-1	1.50U	1.50	50.0	6.20	12	10 - 120	50.0	5.97	12	4	30
Surrogate												
2,4,6-Tribromophenol	118-79-6	79.3	79	100	89.9	90	43 - 140	100	88.8	89	NA	NA
2-Fluorobiphenyl	321-60-8	43.3	87	50	44.9	90	44 - 119	50	45.1	90	NA	NA
2-Fluorophenol	367-12-4	40.3	40	100	44.3	44	19 - 119	100	40.9	41	NA	NA

GC/MS Semi-Volatiles QC Summary

Analytical Batch	Client ID	MB672342		LCS672342				LCSD672342				
672355	LAB ID	1987216		1987217				1987218				
Prep Batch	Sample Type	MB		LCS				LCSD				
672342	Prep Date	11/29/2019 10:00		11/29/2019 10:00				11/29/2019 10:00				
Prep Method	Analysis Date	11/29/2019 19:51		11/29/2019 20:07				11/29/2019 20:23				
EPA 3510C	Matrix	Water		Water				Water				
EPA 8270C		Units Result	ug/L DL	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
Nitrobenzene-d5	4165-60-0	39.3	79	50	44.1	88	44 - 120	50	45.5	91	NA	NA
Phenol-d5	4165-62-2	23	23	100	25.3	25	10 - 120	100	24.2	24	NA	NA
Terphenyl-d14	1718-51-0	44.5	89	50	40.1	80	50 - 134	50	43.2	86	NA	NA

Analytical Batch	Client ID	MB672361		LCS672361				LCSD672361				
672367	LAB ID	1987296		1987297				1987298				
Prep Batch	Sample Type	MB		LCS				LCSD				
672361	Prep Date	11/29/2019 19:45		11/29/2019 19:45				11/29/2019 19:45				
Prep Method	Analysis Date	11/29/2019 20:17		11/29/2019 20:36				11/29/2019 20:55				
EPA 3510C	Matrix	Water		Water				Water				
EPA 8270C SIM		Units Result	ug/L DL	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
1-Methylnaphthalene	90-12-0	0.040U	0.040	5.00	4.00	80	41 - 115	5.00	3.99	80	0	30
2-Methylnaphthalene	91-57-6	0.040U	0.040	5.00	3.88	78	39 - 114	5.00	3.86	77	1	30
Acenaphthene	83-32-9	0.013U	0.013	5.00	4.24	85	48 - 114	5.00	4.20	84	1	30
Acenaphthylene	208-96-8	0.040U	0.040	5.00	4.15	83	35 - 121	5.00	4.12	82	1	30
Anthracene	120-12-7	0.040U	0.040	5.00	4.14	83	53 - 119	5.00	4.14	83	0	30
Benzo(a)anthracene	56-55-3	0.025U	0.025	5.00	4.28	86	59 - 120	5.00	4.28	86	0	30
Benzo(a)pyrene	50-32-8	0.013U	0.013	5.00	4.63	93	53 - 120	5.00	4.62	92	0	30
Benzo(b)fluoranthene	205-99-2	0.013U	0.013	5.00	4.37	87	53 - 126	5.00	4.30	86	2	30
Benzo(g,h,i)perylene	191-24-2	0.013U	0.013	5.00	4.47	89	44 - 128	5.00	4.46	89	0	30
Benzo(k)fluoranthene	207-08-9	0.025U	0.025	5.00	4.26	85	54 - 125	5.00	4.33	87	2	30
Chrysene	218-01-9	0.025U	0.025	5.00	4.24	85	57 - 120	5.00	4.28	86	1	30
Dibenz(a,h)anthracene	53-70-3	0.025U	0.025	5.00	4.52	90	44 - 131	5.00	4.64	93	3	30
Fluoranthene	206-44-0	0.013U	0.013	5.00	4.25	85	58 - 120	5.00	4.25	85	0	30
Fluorene	86-73-7	0.040U	0.040	5.00	4.11	82	50 - 118	5.00	4.09	82	1	30
Indeno(1,2,3-cd)pyrene	193-39-5	0.013U	0.013	5.00	4.82	96	48 - 130	5.00	4.80	96	0	30
Naphthalene	91-20-3	0.013U	0.013	5.00	4.03	81	43 - 114	5.00	4.02	80	0	30
Phenanthrene	85-01-8	0.013U	0.013	5.00	4.25	85	53 - 115	5.00	4.25	85	0	30
Pyrene	129-00-0	0.025U	0.025	5.00	4.23	85	53 - 121	5.00	4.24	85	0	30
Surrogate												
2-Methylnaphthalene-d10	7297-45-2	4.43	89	5	4.59	92	50 - 150	5	4.57	91	NA	NA
Fluoranthene-d10	93951-69-0	4.31	86	5	4.56	91	50 - 150	5	4.56	91	NA	NA

GC Semi-Volatiles QC Summary

Analytical Batch 672358	Client ID	MB672358		LCS672358			
	LAB ID	1987285		1987286			
	Sample Type	MB		LCS			
	Prep Date	NA		NA			
	Analysis Date	11/29/2019 21:01		11/29/2019 19:08			
	Matrix	Water		Water			
EPA 8015C		Units Result	mg/L DL	Spike Added	Result	%R	Control Limits%R
Ethylene Glycol	107-21-1	0.265U	0.265	25.0	24.6	98	50 - 150

Analytical Batch 672358	Client ID	PNTX1129X001		1987287MS				1987287MSD				
	LAB ID	21911291301		1987302				1987303				
	Sample Type	SAMPLE		MS				MSD				
	Prep Date	NA		NA				NA				
	Analysis Date	11/29/2019 21:12		11/29/2019 20:14				11/29/2019 20:26				
	Matrix	Water		Water				Water				
EPA 8015C		Units Result	mg/L DL	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
Ethylene Glycol	107-21-1	0.570	0.265	25.0	29.3	115	50 - 150	25.0	23.5	92	22	40

Analytical Batch 672365	Client ID	MB672363		LCS672363				LCSD672363				
	LAB ID	1987312		1987313				1987314				
Prep Batch	Sample Type	MB		LCS				LCSD				
672363	Prep Date	11/29/2019 19:29		11/29/2019 19:29				11/29/2019 19:29				
Prep Method	Analysis Date	11/29/2019 20:59		11/29/2019 21:31				11/29/2019 22:05				
TX1005	Matrix	Water		Water				Water				
TX1005		Units Result	ug/L DL	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
>C12-C28	GCSV-05-02	125U	125	31900	37300	117	75 - 125	31800	36000	113	4	20
>C28-C35	GCSV-05-03	125U	125									
C6-C12	GCSV-05-01	108U	108	31900	26300	82	75 - 125	31800	28700	90	9	20
Total TPH (C6-C35)	GCSV-05-04	108U	108	63900	63600	100	75 - 125	63500	64700	102	2	20
Surrogate												
o-Terphenyl	84-15-1	12300	77	16000	19000	119	58 - 148	15900	16200	102	NA	NA

General Chemistry QC Summary

Analytical Batch 672362	Client ID	MB672362		LCS672362				LCSD672362				
	LAB ID	1987299		1987300				1987301				
	Sample Type	MB		LCS				LCSD				
	Prep Date	NA		NA				NA				
	Analysis Date	11/29/2019 19:55		11/29/2019 19:55				11/29/2019 19:55				
	Matrix	Water		Water				Water				
EPA 1664A		Units Result	mg/L DL	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
Oil and Grease	C-007	1.5U	1.5	40.0	39.6	99	78 - 114	40.0	43.1	108	9	18

Analytical Batch 672354	Client ID	MB672354		LCS672354			
	LAB ID	1987274		1987275			
	Sample Type	MB		LCS			
	Prep Date	NA		NA			
	Analysis Date	11/29/2019 17:33		11/29/2019 16:23			
	Matrix	Water		Water			
SM 5310 B-2011		Units Result	mg/L DL	Spike Added	Result	%R	Control Limits%R
Total Organic Carbon	C-012	0.300U	0.300	50.0	49.2	98	90 - 110

Client ID: 4527 - CTEH
SDG: 219112913
PM: EPM

CHAIN OF CU[illegible]T FORM

CTEH
5120 Northshore Drive
www.cteh.com

Project #: 112312

Send Report To:

Name	Linda Easton; Eric Alleby, Shawn Wnek
Company	CTEH, LLC
Address	5120 North Shore Drive, North Little Rock, Arkansas 72118
Phone	(501)801-8500 Fax (501)801-8501
e-mail	labresults@cteh.com; leaston@cteh.com; ealleby@cteh.com; Swnek@cteh.com
Accounting	Send invoices to CTEH_invoicecapture@concursolutions.com Invoice # and Vendor name in subject line

Turnaround Requested: Normal ☐ Same Day ☒ Next Day (24 hr) ☐
Other (Specify) _____
Data Packet Requested: Standard Level II ☒ Other _____
Sample and Extract Retention/Disposal:
Dispose after 2X hold time ☒
Retain w/ storage fees after 2X hold time ☐

Lab Contact Information:

Primary Sample Identification	Secondary Sample Identification	Sample Size	Units (L / cm² / min)	Sample Date	Sample Time (for non-air samples)	Initials	8260B (VOCs + TBA)	8270 SVOC (SIM) + PAH	1005-TX Ethylene Glycol	8015 (Ethylene Glycol)	3MS 8260 (TOC)	Oil + Grease 1664	Matrix (A = air, B = bulk, S = soil, SW = wipe, T = tape, W = water)	
PNTX1129X001	—			11-29-19	CMS	1200	X	X	X	X	X	X	W	-1
PNTX1129X002	—				CMS	0910	X	X	X	X	X	X		-2
PNTX1129X003	—				JAS	0915	X	X	X	X	X	X		-3
PNTX1129X004	—				JAS	1120	X	X	X	X	X	X		-4
PNTX1129TB001	Trip Blank				CMS	—	X							
PNTX1129TB002	↓				CMS	—	X							

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Cassie Smythe	11-29-19 1505	PACCC Jessica Monfore	11/29/19 1505	Exclude ~~acrylonitrile~~ acrolein from 8260B
Jessica Monfore PACCC	1730	Jules Hebert	11-29-19 1730 1917	0.1, 0.3°C ESU 30, 41 CPM

SDG # PNTX1129 Jules Hebert 11-29-19 1917 Tiffany Darryn 11-29-19 1917

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ED_004207_00000836-00047

SAMPLE RECEIVING CHECKLIST

SAMPLE DELIVERY GROUP 219112913	
Client PM EPM 4527 - CTEH	**Transport Method** COURIER
Profile Number 282246	**Received By** Savage, Tiffany R
Line Item(s) 2 - 3.5x W - V, GRO, 8015, SV, PAH, TOC, O&G, PFAS	**Receive Date(s)** 11/29/19

CHECKLIST	YES	NO
Samples received with proper thermal preservation?	☑	☐
Radioactivity is <1600 cpm? If no, record cpm value in notes section.	☑	☐
COC relinquished and complete (including sampleIDs, collect times, and sampler)?	☑	☐
All containers received in good condition and within hold time?	☑	☐
All sample labels and containers received match the chain of custody?	☐	☑
Preservative added to any containers?	☐	☑
If received, was headspace for VOC water containers < 6mm?	☑	☐
Samples collected in containers provided by Pace Gulf Coast?	☑	☐

COOLERS

Airbill	Thermometer ID: E34	Temp °C
		0.1
		0.3

DISCREPANCIES

None

LAB PRESERVATIONS

None

NOTES

Revision 1.6

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