EARTH ANALYTICAL SCIENCES, INC.

EAS

**4825 Ward Drive, Beaumont, TX 77705 (p) 409-842-0658 (f) 409-842-9793**

28 November 2019 EAS NO.: 9K28007

Center Technical Environmental Health

Center Technical Environmental Health

5120 Northshore Drive

N. Little Rock, ARKANSAS 72118

RE: CTEH

Project No.: 112312

Enclosed are the results of analyses for samples received by the laboratory on 11/28/19 08:15. If you have any questions concerning this report, please feel free to contact me.

Reviewed and Approved:

Scott Boudreaux

Project Manager

**Earth Analytical Sciences, Inc. (EAS) warrants that work will be performed in accordance with sound laboratory practice and professional standards, but makes no other warranty, expressed or implied. In the event of any error, omission or other professional negligence, the sole and exclusive responsibility of EAS shall be to re-perform the work at its own expense, and EAS shall have no other liability whatsoever. In no event shall EAS be liable, whether in contract or tort, including negligence, for any incidental or consequential damages. If this provision is in conflict with other contractual terms, it is understood that this provision will, in all cases, prevail. This report can only be reproduced in full with written approval and consent of Earth Analytical Sciences, Inc.**

**EAS is a NELAP accredited laboratory and meets the guidance requirements put forth by "The NELAC Institute" (2009) for NELAP accredited parameters at EAS, unless noted otherwise. NELAP analyte certifications are considered to be approved in Texas and Louisiana for all analytes, unless denoted with an (E-1) under "Certification". Those analytes certified in either Texas or Louisiana, but not both, will be noted by "Case Narrative".**

4825 Ward Drive
Beaumont, TX 77705
(p) 409-842-0658
(f) 409-842-9793

| | | |
|---|---|---|
| Center Technical Environmental Health | Project: CTEH | |
| 5120 Northshore Drive | Project Number: 112312 | **Reported:** |
| N. Little Rock ARKANSAS, 72118 | Project Manager: Center Technical Environmental Health | 11/28/19 17:36 |

## ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Cooler Temp C | Date Sampled | Date Received |
|---|---|---|---|---|---|
| PNTX1127Y001 | 9K28007-01 | Water | 0.2 | 11/27/19 23:00 | 11/28/19 08:15 |
| PNTX1127TB001 | 9K28007-02 | Water | 0.2 | 11/27/19 00:00 | 11/28/19 08:15 |

## Sample Receipt Checklist

| | |
|---|---|
| COC complete w/ required dates, times, signatures? | Yes |
| Chain of Custody Seal on Shipping Container? | No |
| If yes, is seal intact? | No |
| COC Seals on containers? | No |
| If yes, is seal intact? | No |
| Samples received with evidence of chilling? | Yes |
| Was a temperature blank used? | Yes |
| Samples received were not frozen & acceptable? | Yes |
| Are samples received on ice? | Yes |
| Therm. ID#101612488. Bias temp. (if appl.)on chain | Yes |
| Cooler temperature was acceptable and recorded? | Yes |
| Proof of chilling, sampled same day & acceptable? | Yes |
| Are sample containers intact (not damaged)? | Yes |
| Are acceptable containers used? | Yes |
| Were EnCore-Type samplers used, where applicable? | No |
| Is volume of samples sufficient for all analyses? | Yes |
| Are required preservatives documented acceptable? | No |
| Preserved samples checked for pH and acceptable? | No |
| Are samples that require adjusted pH documented? | No |
| VOAs requiring zero headspace have none or <6mm? | Yes |
| Are samples received within holding times? | Yes |
| Containers properly labeled and COC match labels? | Yes |

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

4825 Ward Drive
Beaumont, TX 77705
(p) 409-842-0658
(f) 409-842-9793

| | | |
|---|---|---|
| Center Technical Environmental Health | Project: CTEH | |
| 5120 Northshore Drive | Project Number: 112312 | **Reported:** |
| N. Little Rock ARKANSAS, 72118 | Project Manager: Center Technical Environmental Health | 11/28/19 17:36 |

## Case Narrative

Sample(s) for TOC analysis was received without appropriate chemical preservation. EAS preserved sample(s) upon receipt and analysis proceeded.

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

4825 Ward Drive
Beaumont, TX 77705
(p) 409-842-0658
(f) 409-842-9793

| | | |
|---|---|---|
| Center Technical Environmental Health | Project: CTEH | |
| 5120 Northshore Drive | Project Number: 112312 | **Reported:** |
| N. Little Rock ARKANSAS, 72118 | Project Manager: Center Technical Environmental Health | 11/28/19 17:36 |

**PNTX1127Y001**

Work Order # : **9K28007-01** Collection Date & Time : **11/27/2019 11:00:00PM**

| Analyte | Result | Reporting Limit | Units | Prepared | Analyzed | Method | Cert | Analyst | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Wet Chemistry Analysis Parameters** | | | | | | | | | |
| **Total Organic Carbon** | **28.1** | 1.00 | mg/L | 11/28/19 10:25 | 11/28/19 10:25 | SM 5310C-2011 | | ZAC | |
| **Glycols by EPA Method 8015** | | | | | | | | | |
| Ethylene Glycol | <2.0 | 2.0 | mg/L | 11/28/19 09:00 | 11/28/19 13:45 | EPA 8015D | | CS | |
| *Surrogate: Tetraethylene Glycol* | | *107 %* | | *70-130* | *11/28/19 13:45* | *EPA 8015D* | | CS | |
| **Total Petroleum Hydrocarbons by TX1005** | | | | | | | | | |
| C6-C12 Hydrocarbons | <4.65 | 4.65 | mg/L | 11/28/19 09:00 | 11/28/19 12:49 | TCEQ Tx1005 | | CS | |
| >C12-C28 Hydrocarbons | <4.65 | 4.65 | mg/L | 11/28/19 09:00 | 11/28/19 12:49 | TCEQ Tx1005 | | CS | |
| >C28-C35 Hydrocarbons | <4.65 | 4.65 | mg/L | 11/28/19 09:00 | 11/28/19 12:49 | TCEQ Tx1005 | | CS | |
| Tot C6-C35 Hydrocarbons | <4.65 | 4.65 | mg/L | 11/28/19 09:00 | 11/28/19 12:49 | TCEQ Tx1005 | | CS | |
| *Surrogate: 1-Chlorooctadecane* | | *83 %* | | *70-130* | *11/28/19 12:49* | *TCEQ Tx1005* | | CS | |
| *Surrogate: 1-Chlorooctane* | | *88 %* | | *70-130* | *11/28/19 12:49* | *TCEQ Tx1005* | | CS | |
| **Volatile Organic Compounds by GC/MS - EPA 8260** | | | | | | | | | |
| Dichlorodifluoromethane | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| 1,3-Butadiene | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | E1 | BDS | |
| Chloromethane | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| Vinyl chloride | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| Bromomethane | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| Chloroethane | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| Trichlorofluoromethane | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| 1,1-Dichloroethene | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| Methylene chloride | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| trans-1,2-Dichloroethene | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| 1,1-Dichloroethane | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| cis-1,2-Dichloroethene | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| 2,2-Dichloropropane | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| Bromochloromethane | <0.010 | 0.010 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| Chloroform | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| 1,1,1-Trichloroethane | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| 1,1-Dichloropropene | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| 1,2-Dichloroethane | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| Benzene | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| Carbon tetrachloride | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| 1,2-Dichloropropane | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| Trichloroethene | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| Dibromomethane | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| Bromodichloromethane | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| cis-1,3-Dichloropropene | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| trans-1,3-Dichloropropene | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| Toluene | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| 1,1,2-Trichloroethane | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| 1,3-Dichloropropane | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

4825 Ward Drive
Beaumont, TX 77705
(p) 409-842-0658
(f) 409-842-9793

| | | |
|---|---|---|
| Center Technical Environmental Health | Project: CTEH | |
| 5120 Northshore Drive | Project Number: 112312 | **Reported:** |
| N. Little Rock ARKANSAS, 72118 | Project Manager: Center Technical Environmental Health | 11/28/19 17:36 |

**PNTX1127Y001**

Work Order # : **9K28007-01** Collection Date & Time : **11/27/2019 11:00:00PM**

| Analyte | Result | Reporting Limit | Units | Prepared | Analyzed | Method | Cert | Analyst | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by GC/MS - EPA 8260** | | | | | | | | | |
| Dibromochloromethane | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| 1,2-Dibromoethane (EDB) | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| Tetrachloroethene | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| Chlorobenzene | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| 1,1,1,2-Tetrachloroethane | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| Ethyl benzene | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| m,p-Xylene | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| Bromoform | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| Styrene | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| o-Xylene | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| 1,1,2,2-Tetrachloroethane | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| 1,2,3-Trichloropropane | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| Isopropylbenzene | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| Bromobenzene | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| 4-Chlorotoluene | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| n-Propylbenzene | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| 2-Chlorotoluene | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| 1,3,5-Trimethylbenzene | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| tert-Butylbenzene | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| 1,2,4-Trimethylbenzene | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| 1,3-Dichlorobenzene | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| sec-Butylbenzene | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| 1,4-Dichlorobenzene | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| p-Isopropyltoluene | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| 1,2-Dichlorobenzene | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| n-Butylbenzene | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| 1,2-Dibromo-3-chloropropane (DBCP) | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| 1,2,4-Trichlorobenzene | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| Naphthalene | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| 1,2,3-Trichlorobenzene | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| Hexachlorobutadiene | <0.005 | 0.005 | mg/L | 11/28/19 12:00 | 11/28/19 12:00 | EPA 8260C | | BDS | |
| *Surrogate: Dibromofluoromethane* | | *99 %* | | *82-118* | *11/28/19 12:00* | *EPA 8260C* | | BDS | |
| *Surrogate: Toluene-d8* | | *103 %* | | *88-110* | *11/28/19 12:00* | *EPA 8260C* | | BDS | |
| *Surrogate: 4-Bromofluorobenzene* | | *96 %* | | *86-115* | *11/28/19 12:00* | *EPA 8260C* | | BDS | |

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

4825 Ward Drive
Beaumont, TX 77705
(p) 409-842-0658
(f) 409-842-9793

| | | |
|---|---|---|
| Center Technical Environmental Health | Project: CTEH | |
| 5120 Northshore Drive | Project Number: 112312 | **Reported:** |
| N. Little Rock ARKANSAS, 72118 | Project Manager: Center Technical Environmental Health | 11/28/19 17:36 |

**PNTX1127Y001**

Work Order # : **9K28007-01** Collection Date & Time : **11/27/2019 11:00:00PM**

| Analyte | Result | Reporting Limit | Units | Prepared | Analyzed | Method | Cert | Analyst | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GC/MS - EPA 8270** | | | | | | | | | |
| N-Nitrosodimethylamine | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| 2-Picoline | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Methyl methanesulfonate | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Ethyl methanesulfonate | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Aniline | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Phenol | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| 2-Chlorophenol | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| bis(2-Chloroethyl)ether | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| 1,3-Dichlorobenzene | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| 1,4-Dichlorobenzene | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Benzyl alcohol | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| 1,2-Dichlorobenzene | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| 2-Methylphenol | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| bis(2-Chloroisopropyl)ether | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Acetophenone | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| 4-Methylphenol | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| N-Nitroso-di-n-propylamine | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Hexachloroethane | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Nitrobenzene | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| N-Nitrosopiperidine | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Isophorone | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| 2-Nitrophenol | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| 2,4-Dimethylphenol | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| bis(2-Chloroethoxy)methane | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| 2,4-Dichlorophenol | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Benzoic acid | <0.021 | 0.021 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| 1,2,4-Trichlorobenzene | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Naphthalene | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Hexachlorobutadiene | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| 4-Chloroaniline | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| 2,6-Dichlorophenol | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Hexachloropropene | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| N-Nitroso-di-n-butylamine | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| a,a-Dimethylphenethylamine | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| 4-Chloro-3-methylphenol | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| 2-Methylnaphthalene | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| 1,2,4,5-Tetrachlorobenzene | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Hexachlorocyclopentadiene | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| 2,4,6-Trichlorophenol | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| 2,4,5-Trichlorophenol | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| 1-Chloronaphthalene | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| 2-Chloronaphthalene | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| 2-Nitroaniline | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

4825 Ward Drive
Beaumont, TX 77705
(p) 409-842-0658
(f) 409-842-9793

| | | |
|---|---|---|
| Center Technical Environmental Health | Project: CTEH | |
| 5120 Northshore Drive | Project Number: 112312 | **Reported:** |
| N. Little Rock ARKANSAS, 72118 | Project Manager: Center Technical Environmental Health | 11/28/19 17:36 |

**PNTX1127Y001**

Work Order # : **9K28007-01** Collection Date & Time : **11/27/2019 11:00:00PM**

| Analyte | Result | Reporting Limit | Units | Prepared | Analyzed | Method | Cert | Analyst | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GC/MS - EPA 8270** | | | | | | | | | |
| Dimethylphthalate | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Acenaphthylene | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| 2,6-Dinitrotoluene | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| 3-Nitroaniline | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Acenaphthene | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| 2,4-Dinitrophenol | <0.011 | 0.011 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Dibenzofuran | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| 4-Nitrophenol | <0.011 | 0.011 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Pentachlorobenzene | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| 2,4-Dinitrotoluene | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| 1-Naphthylamine | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| 2-Naphthylamine | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| 2,3,4,6-Tetrachlorophenol | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Diethylphthalate | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Fluorene | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| 4-Chlorophenyl-phenyl ether | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| 4-Nitroaniline | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| 4,6-Dinitro-2-methylphenol | <0.011 | 0.011 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| N-Nitrosodiphenylamine | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Diphenylamine | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Diphenylhydrazine(as Azobenzene) | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| 4-Bromophenyl-phenyl ether | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Phenacetin | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Hexachlorobenzene | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| 4-Aminobiphenyl | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Pentachlorophenol | <0.011 | 0.011 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Pronamide | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Pentachloronitrobenzene | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Phenanthrene | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Anthracene | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Di-n-butylphthalate | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Fluoranthene | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Benzidine | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Pyrene | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| p-Dimethylaminoazobenzene | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Chlorobenzilate | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| 3,3'-Dimethylbenzidine | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Benzylbutylphthalate | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Benzo(a)anthracene | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| 3,3'-Dichlorobenzidine | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Chrysene | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| bis(2-Ethylhexyl)phthalate | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Di-n-octylphthalate | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

4825 Ward Drive
Beaumont, TX 77705
(p) 409-842-0658
(f) 409-842-9793

| | | |
|---|---|---|
| Center Technical Environmental Health | Project: CTEH | |
| 5120 Northshore Drive | Project Number: 112312 | **Reported:** |
| N. Little Rock ARKANSAS, 72118 | Project Manager: Center Technical Environmental Health | 11/28/19 17:36 |

## PNTX1127Y001

Work Order # : **9K28007-01** Collection Date & Time : **11/27/2019 11:00:00PM**

| Analyte | Result | Reporting Limit | Units | Prepared | Analyzed | Method | Cert | Analyst | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GC/MS - EPA 8270** | | | | | | | | | |
| Benzo(b)fluoranthene | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| 7,12-Dimethylbenz(a)anthracene | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Benzo(k)fluoranthene | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Benzo(a)pyrene | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| 3-Methylcholanthrene | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Dibenz(a,j)acridine | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Indeno(1,2,3-cd)pyrene | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Dibenz(a,h)anthracene | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| Benzo(g,h,i)perylene | <0.005 | 0.005 | mg/L | 11/28/19 09:00 | 11/28/19 11:47 | EPA 8270D | | CS | |
| *Surrogate: 2-Fluorophenol* | | *25 %* | | *21-100* | *11/28/19 11:47* | *EPA 8270D* | | CS | |
| *Surrogate: Phenol-d6* | | *18 %* | | *10-94* | *11/28/19 11:47* | *EPA 8270D* | | CS | |
| *Surrogate: 2,4,6-Tribromophenol* | | *71 %* | | *10-123* | *11/28/19 11:47* | *EPA 8270D* | | CS | |
| *Surrogate: Nitrobenzene-d5* | | *58 %* | | *35-114* | *11/28/19 11:47* | *EPA 8270D* | | CS | |
| *Surrogate: 2-Fluorobiphenyl* | | *59 %* | | *43-116* | *11/28/19 11:47* | *EPA 8270D* | | CS | |
| *Surrogate: p-Terphenyl-d14* | | *72 %* | | *33-141* | *11/28/19 11:47* | *EPA 8270D* | | CS | |

## PNTX1127TB001

Work Order # : **9K28007-02** Collection Date & Time : **11/27/2019 12:00:00AM**

| Analyte | Result | Reporting Limit | Units | Prepared | Analyzed | Method | Cert | Analyst | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by GC/MS - EPA 8260** | | | | | | | | | |
| Dichlorodifluoromethane | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| 1,3-Butadiene | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | E1 | BDS | |
| Chloromethane | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| Vinyl chloride | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| Bromomethane | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| Chloroethane | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| Trichlorofluoromethane | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| 1,1-Dichloroethene | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| Methylene chloride | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| trans-1,2-Dichloroethene | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| 1,1-Dichloroethane | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| cis-1,2-Dichloroethene | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| 2,2-Dichloropropane | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| Bromochloromethane | <0.010 | 0.010 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| Chloroform | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| 1,1,1-Trichloroethane | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| 1,1-Dichloropropene | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| 1,2-Dichloroethane | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| Benzene | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| Carbon tetrachloride | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

4825 Ward Drive
Beaumont, TX 77705
(p) 409-842-0658
(f) 409-842-9793

| | | |
|---|---|---|
| Center Technical Environmental Health | Project: CTEH | |
| 5120 Northshore Drive | Project Number: 112312 | **Reported:** |
| N. Little Rock ARKANSAS, 72118 | Project Manager: Center Technical Environmental Health | 11/28/19 17:36 |

## PNTX1127TB001

Work Order # : **9K28007-02** Collection Date & Time : **11/27/2019 12:00:00AM**

| Analyte | Result | Reporting Limit | Units | Prepared | Analyzed | Method | Cert | Analyst | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by GC/MS - EPA 8260** | | | | | | | | | |
| 1,2-Dichloropropane | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| Trichloroethene | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| Dibromomethane | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| Bromodichloromethane | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| cis-1,3-Dichloropropene | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| trans-1,3-Dichloropropene | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| Toluene | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| 1,1,2-Trichloroethane | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| 1,3-Dichloropropane | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| Dibromochloromethane | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| 1,2-Dibromoethane (EDB) | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| Tetrachloroethene | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| Chlorobenzene | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| 1,1,1,2-Tetrachloroethane | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| Ethyl benzene | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| m,p-Xylene | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| Bromoform | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| Styrene | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| o-Xylene | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| 1,1,2,2-Tetrachloroethane | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| 1,2,3-Trichloropropane | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| Isopropylbenzene | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| Bromobenzene | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| 4-Chlorotoluene | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| n-Propylbenzene | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| 2-Chlorotoluene | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| 1,3,5-Trimethylbenzene | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| tert-Butylbenzene | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| 1,2,4-Trimethylbenzene | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| 1,3-Dichlorobenzene | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| sec-Butylbenzene | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| 1,4-Dichlorobenzene | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| p-Isopropyltoluene | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| 1,2-Dichlorobenzene | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| n-Butylbenzene | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| 1,2-Dibromo-3-chloropropane (DBCP) | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| 1,2,4-Trichlorobenzene | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| Naphthalene | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| 1,2,3-Trichlorobenzene | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| Hexachlorobutadiene | <0.005 | 0.005 | mg/L | 11/28/19 12:19 | 11/28/19 12:19 | EPA 8260C | | BDS | |
| *Surrogate: Dibromofluoromethane* | | *100 %* | | *82-118* | *11/28/19 12:19* | *EPA 8260C* | | BDS | |
| *Surrogate: Toluene-d8* | | *101 %* | | *88-110* | *11/28/19 12:19* | *EPA 8260C* | | BDS | |
| *Surrogate: 4-Bromofluorobenzene* | | *98 %* | | *86-115* | *11/28/19 12:19* | *EPA 8260C* | | BDS | |

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

4825 Ward Drive
Beaumont, TX 77705
(p) 409-842-0658
(f) 409-842-9793

| | | |
|---|---|---|
| Center Technical Environmental Health | Project: CTEH | |
| 5120 Northshore Drive | Project Number: 112312 | **Reported:** |
| N. Little Rock ARKANSAS, 72118 | Project Manager: Center Technical Environmental Health | 11/28/19 17:36 |

## Wet Chemistry Analysis Parameters - Quality Control

## Earth Analytical Sciences, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Analyst | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B9K0685 - Wet Chem Prep** | | | | | | | | | | | |
| **Blank (B9K0685-BLK1)** | | | | Prepared & Analyzed: 11/28/19 | | | | | | | |
| Total Organic Carbon | <1.00 | 1.00 | mg/L | | | | | | | ZAC | |
| **LCS (B9K0685-BS1)** | | | | Prepared & Analyzed: 11/28/19 | | | | | | | |
| Total Organic Carbon | 24.4 | 1.00 | mg/L | 25.0 | | 98 | 80-120 | | | ZAC | |
| **Matrix Spike (B9K0685-MS1)** | | **Source: 9K27027-01** | | Prepared & Analyzed: 11/28/19 | | | | | | | |
| Total Organic Carbon | 25.0 | 1.00 | mg/L | 20.0 | 6.64 | 92 | 80-120 | | | ZAC | |
| **Matrix Spike Dup (B9K0685-MSD1)** | | **Source: 9K27027-01** | | Prepared & Analyzed: 11/28/19 | | | | | | | |
| Total Organic Carbon | 25.2 | 1.00 | mg/L | 20.0 | 6.64 | 93 | 80-120 | 0.8 | 20 | ZAC | |

## Glycols by EPA Method 8015 - Quality Control

## Earth Analytical Sciences, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Analyst | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B9K0684 - 8015D** | | | | | | | | | | | |
| **Blank (B9K0684-BLK1)** | | | | Prepared & Analyzed: 11/28/19 | | | | | | | |
| Ethylene Glycol | <2.0 | 2.0 | mg/L | | | | | | | CS | |
| *Surrogate: Tetraethylene Glycol* | *16.2* | | mg/L | *20.0* | | *81* | *70-130* | | | | |
| **LCS (B9K0684-BS1)** | | | | Prepared & Analyzed: 11/28/19 | | | | | | | |
| Ethylene Glycol | 22.9 | 2.0 | mg/L | 20.0 | | 115 | 70-130 | | | CS | |
| *Surrogate: Tetraethylene Glycol* | *19.5* | | mg/L | *20.0* | | *98* | *70-130* | | | | |
| **LCS Dup (B9K0684-BSD1)** | | | | Prepared & Analyzed: 11/28/19 | | | | | | | |
| Ethylene Glycol | 22.8 | 2.0 | mg/L | 20.0 | | 114 | 70-130 | 0.5 | 20 | CS | |
| *Surrogate: Tetraethylene Glycol* | *21.1* | | mg/L | *20.0* | | *106* | *70-130* | | | | |

## Total Petroleum Hydrocarbons by TX1005 - Quality Control

## Earth Analytical Sciences, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Analyst | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B9K0683 - Tx1005** | | | | | | | | | | | |
| **Blank (B9K0683-BLK1)** | | | | Prepared & Analyzed: 11/28/19 | | | | | | | |
| C6-C12 Hydrocarbons | <4.80 | 4.80 | mg/L | | | | | | | CS | |
| >C12-C28 Hydrocarbons | <4.80 | 4.80 | mg/L | | | | | | | CS | |
| >C28-C35 Hydrocarbons | <4.80 | 4.80 | mg/L | | | | | | | CS | |
| Tot C6-C35 Hydrocarbons | <4.80 | 4.80 | mg/L | | | | | | | CS | |
| *Surrogate: 1-Chlorooctadecane* | *3.64* | | mg/L | *4.80* | | *76* | *70-130* | | | | |
| *Surrogate: 1-Chlorooctane* | *3.93* | | mg/L | *4.80* | | *82* | *70-130* | | | | |
| **LCS (B9K0683-BS1)** | | | | Prepared & Analyzed: 11/28/19 | | | | | | | |
| C6-C12 Hydrocarbons | 20.8 | 4.93 | mg/L | 24.6 | | 85 | 75-125 | | | CS | |

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

4825 Ward Drive
Beaumont, TX 77705
(p) 409-842-0658
(f) 409-842-9793

| | | |
|---|---|---|
| Center Technical Environmental Health | Project: CTEH | |
| 5120 Northshore Drive | Project Number: 112312 | **Reported:** |
| N. Little Rock ARKANSAS, 72118 | Project Manager: Center Technical Environmental Health | 11/28/19 17:36 |

## Total Petroleum Hydrocarbons by TX1005 - Quality Control

## Earth Analytical Sciences, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Analyst | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B9K0683 - Tx1005** | | | | | | | | | | | |
| **LCS (B9K0683-BS1)** | | | | Prepared & Analyzed: 11/28/19 | | | | | | | |
| >C12-C28 Hydrocarbons | 21.6 | 4.93 | mg/L | 24.6 | | 88 | 75-125 | | | CS | |
| >C28-C35 Hydrocarbons | <4.93 | 4.93 | mg/L | | | | 75-125 | | | CS | |
| Tot C6-C35 Hydrocarbons | 42.4 | 4.93 | mg/L | 49.3 | | 86 | 75-125 | | | CS | |
| *Surrogate: 1-Chlorooctadecane* | *3.67* | | mg/L | *4.93* | | *75* | *70-130* | | | | |
| *Surrogate: 1-Chlorooctane* | *4.38* | | mg/L | *4.93* | | *89* | *70-130* | | | | |
| **LCS Dup (B9K0683-BSD1)** | | | | Prepared & Analyzed: 11/28/19 | | | | | | | |
| C6-C12 Hydrocarbons | 21.8 | 4.82 | mg/L | 24.1 | | 91 | 75-125 | 5 | 20 | CS | |
| >C12-C28 Hydrocarbons | 21.9 | 4.82 | mg/L | 24.1 | | 91 | 75-125 | 2 | 20 | CS | |
| >C28-C35 Hydrocarbons | <4.82 | 4.82 | mg/L | | | | 75-125 | | 20 | CS | |
| Tot C6-C35 Hydrocarbons | 43.8 | 4.82 | mg/L | 48.2 | | 91 | 75-125 | 3 | 20 | CS | |
| *Surrogate: 1-Chlorooctadecane* | *3.70* | | mg/L | *4.82* | | *77* | *70-130* | | | | |
| *Surrogate: 1-Chlorooctane* | *4.95* | | mg/L | *4.82* | | *103* | *70-130* | | | | |

## Volatile Organic Compounds by GC/MS - EPA 8260 - Quality Control

## Earth Analytical Sciences, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Analyst | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B9K0686 - EPA 5030C/624** | | | | | | | | | | | |
| **Blank (B9K0686-BLK1)** | | | | Prepared & Analyzed: 11/28/19 | | | | | | | |
| Dichlorodifluoromethane | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| 1,3-Butadiene | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| Chloromethane | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| Vinyl chloride | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| Bromomethane | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| Chloroethane | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| Trichlorofluoromethane | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| 1,1-Dichloroethene | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| Methylene chloride | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| trans-1,2-Dichloroethene | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| 1,1-Dichloroethane | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| cis-1,2-Dichloroethene | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| 2,2-Dichloropropane | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| Bromochloromethane | <0.010 | 0.010 | mg/L | | | | | | | BDS | |
| Chloroform | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| 1,1,1-Trichloroethane | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| 1,1-Dichloropropene | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| 1,2-Dichloroethane | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| Benzene | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| Carbon tetrachloride | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| 1,2-Dichloropropane | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| Trichloroethene | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| Dibromomethane | <0.005 | 0.005 | mg/L | | | | | | | BDS | |

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

4825 Ward Drive
Beaumont, TX 77705
(p) 409-842-0658
(f) 409-842-9793

| | | |
|---|---|---|
| Center Technical Environmental Health | Project: CTEH | |
| 5120 Northshore Drive | Project Number: 112312 | **Reported:** |
| N. Little Rock ARKANSAS, 72118 | Project Manager: Center Technical Environmental Health | 11/28/19 17:36 |

## Volatile Organic Compounds by GC/MS - EPA 8260 - Quality Control

## Earth Analytical Sciences, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Analyst | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B9K0686 - EPA 5030C/624** | | | | | | | | | | | |
| **Blank (B9K0686-BLK1)** | | | | Prepared & Analyzed: 11/28/19 | | | | | | | |
| Bromodichloromethane | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| cis-1,3-Dichloropropene | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| trans-1,3-Dichloropropene | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| Toluene | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| 1,1,2-Trichloroethane | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| 1,3-Dichloropropane | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| Dibromochloromethane | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| 1,2-Dibromoethane (EDB) | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| Tetrachloroethene | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| Chlorobenzene | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| 1,1,1,2-Tetrachloroethane | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| Ethyl benzene | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| m,p-Xylene | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| Bromoform | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| Styrene | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| o-Xylene | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| 1,1,2,2-Tetrachloroethane | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| 1,2,3-Trichloropropane | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| Isopropylbenzene | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| Bromobenzene | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| 4-Chlorotoluene | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| n-Propylbenzene | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| 2-Chlorotoluene | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| 1,3,5-Trimethylbenzene | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| tert-Butylbenzene | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| 1,2,4-Trimethylbenzene | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| 1,3-Dichlorobenzene | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| sec-Butylbenzene | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| 1,4-Dichlorobenzene | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| p-Isopropyltoluene | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| 1,2-Dichlorobenzene | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| n-Butylbenzene | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| 1,2-Dibromo-3-chloropropane (DBCP) | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| 1,2,4-Trichlorobenzene | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| Naphthalene | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| 1,2,3-Trichlorobenzene | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| Hexachlorobutadiene | <0.005 | 0.005 | mg/L | | | | | | | BDS | |
| *Surrogate: Dibromofluoromethane* | *0.0499* | | mg/L | *0.0500* | | *100* | *82-118* | | | | |
| *Surrogate: Toluene-d8* | *0.0504* | | mg/L | *0.0500* | | *101* | *88-110* | | | | |
| *Surrogate: 4-Bromofluorobenzene* | *0.0489* | | mg/L | *0.0500* | | *98* | *86-115* | | | | |

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

4825 Ward Drive
Beaumont, TX 77705
(p) 409-842-0658
(f) 409-842-9793

| | | |
|---|---|---|
| Center Technical Environmental Health | Project: CTEH | |
| 5120 Northshore Drive | Project Number: 112312 | **Reported:** |
| N. Little Rock ARKANSAS, 72118 | Project Manager: Center Technical Environmental Health | 11/28/19 17:36 |

## Volatile Organic Compounds by GC/MS - EPA 8260 - Quality Control

## Earth Analytical Sciences, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Analyst | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B9K0686 - EPA 5030C/624** | | | | | | | | | | | |
| **LCS (B9K0686-BS1)** | | | | Prepared & Analyzed: 11/28/19 | | | | | | | |
| Dichlorodifluoromethane | 0.014 | 0.005 | mg/L | 0.0500 | | 29 | 70-130 | | | BDS | OQ1 |
| 1,3-Butadiene | 0.040 | 0.005 | mg/L | 0.0500 | | 80 | 70-130 | | | BDS | |
| Chloromethane | 0.044 | 0.005 | mg/L | 0.0500 | | 89 | 70-130 | | | BDS | |
| Vinyl chloride | 0.035 | 0.005 | mg/L | 0.0500 | | 69 | 70-130 | | | BDS | OQ1 |
| Bromomethane | 0.048 | 0.005 | mg/L | 0.0500 | | 96 | 70-130 | | | BDS | |
| Chloroethane | 0.048 | 0.005 | mg/L | 0.0500 | | 97 | 70-130 | | | BDS | |
| Trichlorofluoromethane | 0.023 | 0.005 | mg/L | 0.0500 | | 46 | 70-130 | | | BDS | OQ1 |
| 1,1-Dichloroethene | 0.034 | 0.005 | mg/L | 0.0500 | | 68 | 70-130 | | | BDS | OQ1 |
| Methylene chloride | 0.043 | 0.005 | mg/L | 0.0500 | | 87 | 70-130 | | | BDS | |
| trans-1,2-Dichloroethene | 0.039 | 0.005 | mg/L | 0.0500 | | 77 | 70-130 | | | BDS | |
| 1,1-Dichloroethane | 0.047 | 0.005 | mg/L | 0.0500 | | 94 | 70-130 | | | BDS | |
| cis-1,2-Dichloroethene | 0.045 | 0.005 | mg/L | 0.0500 | | 90 | 70-130 | | | BDS | |
| 2,2-Dichloropropane | 0.022 | 0.005 | mg/L | 0.0500 | | 43 | 70-130 | | | BDS | OQ1 |
| Bromochloromethane | 0.050 | 0.010 | mg/L | 0.0500 | | 100 | 70-130 | | | BDS | |
| Chloroform | 0.044 | 0.005 | mg/L | 0.0500 | | 88 | 70-130 | | | BDS | |
| 1,1,1-Trichloroethane | 0.038 | 0.005 | mg/L | 0.0500 | | 76 | 70-130 | | | BDS | |
| 1,1-Dichloropropene | 0.031 | 0.005 | mg/L | 0.0500 | | 61 | 70-130 | | | BDS | OQ1 |
| 1,2-Dichloroethane | 0.045 | 0.005 | mg/L | 0.0500 | | 89 | 70-130 | | | BDS | |
| Benzene | 0.040 | 0.005 | mg/L | 0.0500 | | 81 | 70-130 | | | BDS | |
| Carbon tetrachloride | 0.032 | 0.005 | mg/L | 0.0500 | | 64 | 70-130 | | | BDS | OQ1 |
| 1,2-Dichloropropane | 0.044 | 0.005 | mg/L | 0.0500 | | 88 | 70-130 | | | BDS | |
| Trichloroethene | 0.036 | 0.005 | mg/L | 0.0500 | | 73 | 70-130 | | | BDS | |
| Dibromomethane | 0.049 | 0.005 | mg/L | 0.0500 | | 98 | 70-130 | | | BDS | |
| Bromodichloromethane | 0.046 | 0.005 | mg/L | 0.0500 | | 92 | 70-130 | | | BDS | |
| cis-1,3-Dichloropropene | 0.041 | 0.005 | mg/L | 0.0500 | | 82 | 70-130 | | | BDS | |
| trans-1,3-Dichloropropene | 0.045 | 0.005 | mg/L | 0.0500 | | 90 | 70-130 | | | BDS | |
| Toluene | 0.037 | 0.005 | mg/L | 0.0500 | | 73 | 70-130 | | | BDS | |
| 1,1,2-Trichloroethane | 0.050 | 0.005 | mg/L | 0.0500 | | 100 | 70-130 | | | BDS | |
| 1,3-Dichloropropane | 0.047 | 0.005 | mg/L | 0.0500 | | 95 | 70-130 | | | BDS | |
| Dibromochloromethane | 0.053 | 0.005 | mg/L | 0.0500 | | 107 | 70-130 | | | BDS | |
| 1,2-Dibromoethane (EDB) | 0.051 | 0.005 | mg/L | 0.0500 | | 102 | 70-130 | | | BDS | |
| Tetrachloroethene | 0.033 | 0.005 | mg/L | 0.0500 | | 67 | 70-130 | | | BDS | OQ1 |
| Chlorobenzene | 0.037 | 0.005 | mg/L | 0.0500 | | 74 | 70-130 | | | BDS | |
| 1,1,1,2-Tetrachloroethane | 0.043 | 0.005 | mg/L | 0.0500 | | 86 | 70-130 | | | BDS | |
| Ethyl benzene | 0.030 | 0.005 | mg/L | 0.0500 | | 60 | 70-130 | | | BDS | OQ1 |
| m,p-Xylene | 0.064 | 0.005 | mg/L | 0.100 | | 64 | 70-130 | | | BDS | OQ1 |
| Bromoform | 0.054 | 0.005 | mg/L | 0.0500 | | 108 | 70-130 | | | BDS | |
| Styrene | 0.037 | 0.005 | mg/L | 0.0500 | | 74 | 70-130 | | | BDS | |
| o-Xylene | 0.036 | 0.005 | mg/L | 0.0500 | | 71 | 70-130 | | | BDS | |
| 1,1,2,2-Tetrachloroethane | 0.047 | 0.005 | mg/L | 0.0500 | | 94 | 70-130 | | | BDS | |
| 1,2,3-Trichloropropane | 0.048 | 0.005 | mg/L | 0.0500 | | 97 | 70-130 | | | BDS | |
| Isopropylbenzene | 0.028 | 0.005 | mg/L | 0.0500 | | 57 | 70-130 | | | BDS | OQ1 |
| Bromobenzene | 0.036 | 0.005 | mg/L | 0.0500 | | 72 | 70-130 | | | BDS | |
| 4-Chlorotoluene | 0.028 | 0.005 | mg/L | 0.0500 | | 56 | 70-130 | | | BDS | OQ1 |
| n-Propylbenzene | 0.025 | 0.005 | mg/L | 0.0500 | | 50 | 70-130 | | | BDS | OQ1 |

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

4825 Ward Drive
Beaumont, TX 77705
(p) 409-842-0658
(f) 409-842-9793

| | | |
|---|---|---|
| Center Technical Environmental Health | Project: CTEH | |
| 5120 Northshore Drive | Project Number: 112312 | **Reported:** |
| N. Little Rock ARKANSAS, 72118 | Project Manager: Center Technical Environmental Health | 11/28/19 17:36 |

## Volatile Organic Compounds by GC/MS - EPA 8260 - Quality Control

## Earth Analytical Sciences, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Analyst | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B9K0686 - EPA 5030C/624** | | | | | | | | | | | |
| **LCS (B9K0686-BS1)** | | | | Prepared & Analyzed: 11/28/19 | | | | | | | |
| 2-Chlorotoluene | 0.030 | 0.005 | mg/L | 0.0500 | | 59 | 70-130 | | | BDS | OQ1 |
| 1,3,5-Trimethylbenzene | 0.027 | 0.005 | mg/L | 0.0500 | | 53 | 70-130 | | | BDS | OQ1 |
| tert-Butylbenzene | 0.026 | 0.005 | mg/L | 0.0500 | | 52 | 70-130 | | | BDS | OQ1 |
| 1,2,4-Trimethylbenzene | 0.027 | 0.005 | mg/L | 0.0500 | | 53 | 70-130 | | | BDS | OQ1 |
| 1,3-Dichlorobenzene | 0.031 | 0.005 | mg/L | 0.0500 | | 62 | 70-130 | | | BDS | OQ1 |
| sec-Butylbenzene | 0.023 | 0.005 | mg/L | 0.0500 | | 47 | 70-130 | | | BDS | OQ1 |
| 1,4-Dichlorobenzene | 0.032 | 0.005 | mg/L | 0.0500 | | 63 | 70-130 | | | BDS | OQ1 |
| p-Isopropyltoluene | 0.025 | 0.005 | mg/L | 0.0500 | | 49 | 70-130 | | | BDS | OQ1 |
| 1,2-Dichlorobenzene | 0.034 | 0.005 | mg/L | 0.0500 | | 68 | 70-130 | | | BDS | OQ1 |
| n-Butylbenzene | 0.022 | 0.005 | mg/L | 0.0500 | | 43 | 70-130 | | | BDS | OQ1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 0.044 | 0.005 | mg/L | 0.0500 | | 87 | 70-130 | | | BDS | |
| 1,2,4-Trichlorobenzene | 0.029 | 0.005 | mg/L | 0.0500 | | 58 | 70-130 | | | BDS | OQ1 |
| Naphthalene | 0.039 | 0.005 | mg/L | 0.0500 | | 77 | 70-130 | | | BDS | |
| 1,2,3-Trichlorobenzene | 0.032 | 0.005 | mg/L | 0.0500 | | 64 | 70-130 | | | BDS | OQ1 |
| Hexachlorobutadiene | 0.022 | 0.005 | mg/L | 0.0500 | | 43 | 70-130 | | | BDS | OQ1 |
| *Surrogate: Dibromofluoromethane* | *0.0500* | | mg/L | *0.0500* | | *100* | *82-118* | | | | |
| *Surrogate: Toluene-d8* | *0.0507* | | mg/L | *0.0500* | | *101* | *88-110* | | | | |
| *Surrogate: 4-Bromofluorobenzene* | *0.0499* | | mg/L | *0.0500* | | *100* | *86-115* | | | | |
| **Matrix Spike (B9K0686-MS1)** | | | | **Source: 9K28007-01** Prepared & Analyzed: 11/28/19 | | | | | | | |
| Dichlorodifluoromethane | 0.015 | 0.005 | mg/L | 0.0500 | ND | 30 | 70-130 | | | BDS | |
| 1,3-Butadiene | 0.040 | 0.005 | mg/L | 0.0500 | ND | 80 | 70-130 | | | BDS | |
| Chloromethane | 0.046 | 0.005 | mg/L | 0.0500 | ND | 93 | 70-130 | | | BDS | |
| Vinyl chloride | 0.033 | 0.005 | mg/L | 0.0500 | ND | 66 | 70-130 | | | BDS | |
| Bromomethane | 0.048 | 0.005 | mg/L | 0.0500 | ND | 96 | 70-130 | | | BDS | |
| Chloroethane | 0.050 | 0.005 | mg/L | 0.0500 | ND | 101 | 70-130 | | | BDS | |
| Trichlorofluoromethane | 0.023 | 0.005 | mg/L | 0.0500 | ND | 45 | 70-130 | | | BDS | OQ2 |
| 1,1-Dichloroethene | 0.028 | 0.005 | mg/L | 0.0500 | ND | 57 | 70-130 | | | BDS | OQ2 |
| Methylene chloride | 0.042 | 0.005 | mg/L | 0.0500 | ND | 83 | 70-130 | | | BDS | |
| trans-1,2-Dichloroethene | 0.031 | 0.005 | mg/L | 0.0500 | ND | 63 | 70-130 | | | BDS | OQ2 |
| 1,1-Dichloroethane | 0.042 | 0.005 | mg/L | 0.0500 | ND | 84 | 70-130 | | | BDS | |
| cis-1,2-Dichloroethene | 0.040 | 0.005 | mg/L | 0.0500 | ND | 80 | 70-130 | | | BDS | |
| 2,2-Dichloropropane | 0.018 | 0.005 | mg/L | 0.0500 | ND | 35 | 70-130 | | | BDS | OQ2 |
| Bromochloromethane | 0.050 | 0.010 | mg/L | 0.0500 | ND | 100 | 70-130 | | | BDS | OQ2 |
| Chloroform | 0.039 | 0.005 | mg/L | 0.0500 | ND | 79 | 70-130 | | | BDS | |
| 1,1,1-Trichloroethane | 0.030 | 0.005 | mg/L | 0.0500 | ND | 60 | 70-130 | | | BDS | OQ2 |
| 1,1-Dichloropropene | 0.021 | 0.005 | mg/L | 0.0500 | ND | 43 | 70-130 | | | BDS | OQ2 |
| 1,2-Dichloroethane | 0.041 | 0.005 | mg/L | 0.0500 | ND | 82 | 70-130 | | | BDS | |
| Benzene | 0.033 | 0.005 | mg/L | 0.0500 | ND | 66 | 70-130 | | | BDS | OQ2 |
| Carbon tetrachloride | 0.023 | 0.005 | mg/L | 0.0500 | ND | 47 | 70-130 | | | BDS | OQ2 |
| 1,2-Dichloropropane | 0.040 | 0.005 | mg/L | 0.0500 | ND | 79 | 70-130 | | | BDS | |
| Trichloroethene | 0.027 | 0.005 | mg/L | 0.0500 | ND | 53 | 70-130 | | | BDS | OQ2 |
| Dibromomethane | 0.046 | 0.005 | mg/L | 0.0500 | ND | 92 | 70-130 | | | BDS | |
| Bromodichloromethane | 0.040 | 0.005 | mg/L | 0.0500 | ND | 80 | 70-130 | | | BDS | |
| cis-1,3-Dichloropropene | 0.035 | 0.005 | mg/L | 0.0500 | ND | 70 | 70-130 | | | BDS | |

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

4825 Ward Drive
Beaumont, TX 77705
(p) 409-842-0658
(f) 409-842-9793

| | | |
|---|---|---|
| Center Technical Environmental Health | Project: CTEH | |
| 5120 Northshore Drive | Project Number: 112312 | **Reported:** |
| N. Little Rock ARKANSAS, 72118 | Project Manager: Center Technical Environmental Health | 11/28/19 17:36 |

## Volatile Organic Compounds by GC/MS - EPA 8260 - Quality Control

## Earth Analytical Sciences, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Analyst | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B9K0686 - EPA 5030C/624** | | | | | | | | | | | |
| **Matrix Spike (B9K0686-MS1)** | | **Source: 9K28007-01** Prepared & Analyzed: 11/28/19 | | | | | | | | | |
| trans-1,3-Dichloropropene | 0.038 | 0.005 | mg/L | 0.0500 | ND | 75 | 70-130 | | | BDS | |
| Toluene | 0.027 | 0.005 | mg/L | 0.0500 | ND | 53 | 70-130 | | | BDS | OQ2 |
| 1,1,2-Trichloroethane | 0.046 | 0.005 | mg/L | 0.0500 | ND | 93 | 70-130 | | | BDS | |
| 1,3-Dichloropropane | 0.043 | 0.005 | mg/L | 0.0500 | ND | 85 | 70-130 | | | BDS | |
| Dibromochloromethane | 0.046 | 0.005 | mg/L | 0.0500 | ND | 93 | 70-130 | | | BDS | |
| 1,2-Dibromoethane (EDB) | 0.046 | 0.005 | mg/L | 0.0500 | ND | 92 | 70-130 | | | BDS | |
| Tetrachloroethene | 0.022 | 0.005 | mg/L | 0.0500 | ND | 45 | 70-130 | | | BDS | OQ2 |
| Chlorobenzene | 0.026 | 0.005 | mg/L | 0.0500 | ND | 53 | 70-130 | | | BDS | OQ2 |
| 1,1,1,2-Tetrachloroethane | 0.034 | 0.005 | mg/L | 0.0500 | ND | 68 | 70-130 | | | BDS | OQ2 |
| Ethyl benzene | 0.019 | 0.005 | mg/L | 0.0500 | ND | 39 | 70-130 | | | BDS | OQ2 |
| m,p-Xylene | 0.040 | 0.005 | mg/L | 0.100 | ND | 40 | 70-130 | | | BDS | OQ2 |
| Bromoform | 0.047 | 0.005 | mg/L | 0.0500 | ND | 94 | 70-130 | | | BDS | |
| Styrene | 0.025 | 0.005 | mg/L | 0.0500 | ND | 50 | 70-130 | | | BDS | OQ2 |
| o-Xylene | 0.024 | 0.005 | mg/L | 0.0500 | ND | 48 | 70-130 | | | BDS | OQ2 |
| 1,1,2,2-Tetrachloroethane | 0.043 | 0.005 | mg/L | 0.0500 | ND | 86 | 70-130 | | | BDS | |
| 1,2,3-Trichloropropane | 0.044 | 0.005 | mg/L | 0.0500 | ND | 89 | 70-130 | | | BDS | |
| Isopropylbenzene | 0.017 | 0.005 | mg/L | 0.0500 | ND | 35 | 70-130 | | | BDS | OQ2 |
| Bromobenzene | 0.025 | 0.005 | mg/L | 0.0500 | ND | 49 | 70-130 | | | BDS | OQ2 |
| 4-Chlorotoluene | 0.017 | 0.005 | mg/L | 0.0500 | ND | 34 | 70-130 | | | BDS | OQ2 |
| n-Propylbenzene | 0.015 | 0.005 | mg/L | 0.0500 | ND | 30 | 70-130 | | | BDS | OQ2 |
| 2-Chlorotoluene | 0.018 | 0.005 | mg/L | 0.0500 | ND | 35 | 70-130 | | | BDS | OQ2 |
| 1,3,5-Trimethylbenzene | 0.016 | 0.005 | mg/L | 0.0500 | ND | 32 | 70-130 | | | BDS | OQ2 |
| tert-Butylbenzene | 0.016 | 0.005 | mg/L | 0.0500 | ND | 32 | 70-130 | | | BDS | OQ2 |
| 1,2,4-Trimethylbenzene | 0.016 | 0.005 | mg/L | 0.0500 | ND | 32 | 70-130 | | | BDS | OQ2 |
| 1,3-Dichlorobenzene | 0.019 | 0.005 | mg/L | 0.0500 | ND | 38 | 70-130 | | | BDS | OQ2 |
| sec-Butylbenzene | 0.014 | 0.005 | mg/L | 0.0500 | ND | 28 | 70-130 | | | BDS | OQ2 |
| 1,4-Dichlorobenzene | 0.019 | 0.005 | mg/L | 0.0500 | ND | 38 | 70-130 | | | BDS | OQ2 |
| p-Isopropyltoluene | 0.015 | 0.005 | mg/L | 0.0500 | ND | 30 | 70-130 | | | BDS | OQ2 |
| 1,2-Dichlorobenzene | 0.022 | 0.005 | mg/L | 0.0500 | ND | 43 | 70-130 | | | BDS | OQ2 |
| n-Butylbenzene | 0.013 | 0.005 | mg/L | 0.0500 | ND | 26 | 70-130 | | | BDS | OQ2 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 0.038 | 0.005 | mg/L | 0.0500 | ND | 76 | 70-130 | | | BDS | |
| 1,2,4-Trichlorobenzene | 0.019 | 0.005 | mg/L | 0.0500 | ND | 38 | 70-130 | | | BDS | OQ2 |
| Naphthalene | 0.027 | 0.005 | mg/L | 0.0500 | ND | 54 | 70-130 | | | BDS | OQ2 |
| 1,2,3-Trichlorobenzene | 0.019 | 0.005 | mg/L | 0.0500 | ND | 38 | 70-130 | | | BDS | OQ2 |
| Hexachlorobutadiene | 0.014 | 0.005 | mg/L | 0.0500 | ND | 29 | 70-130 | | | BDS | OQ2 |
| *Surrogate: Dibromofluoromethane* | *0.0496* | | mg/L | *0.0500* | | *99* | *82-118* | | | | |
| *Surrogate: Toluene-d8* | *0.0516* | | mg/L | *0.0500* | | *103* | *88-110* | | | | |
| *Surrogate: 4-Bromofluorobenzene* | *0.0488* | | mg/L | *0.0500* | | *98* | *86-115* | | | | |

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

4825 Ward Drive
Beaumont, TX 77705
(p) 409-842-0658
(f) 409-842-9793

| | | |
|---|---|---|
| Center Technical Environmental Health | Project: CTEH | |
| 5120 Northshore Drive | Project Number: 112312 | **Reported:** |
| N. Little Rock ARKANSAS, 72118 | Project Manager: Center Technical Environmental Health | 11/28/19 17:36 |

## Volatile Organic Compounds by GC/MS - EPA 8260 - Quality Control

## Earth Analytical Sciences, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Analyst | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B9K0686 - EPA 5030C/624** | | | | | | | | | | | |
| **Matrix Spike Dup (B9K0686-MSD1)** | | **Source: 9K28007-01** Prepared & Analyzed: 11/28/19 | | | | | | | | | |
| Dichlorodifluoromethane | 0.017 | 0.005 | mg/L | 0.0500 | ND | 35 | 70-130 | 15 | 20 | BDS | OQ2 |
| 1,3-Butadiene | 0.040 | 0.005 | mg/L | 0.0500 | ND | 80 | 70-130 | 0 | 20 | BDS | |
| Chloromethane | 0.051 | 0.005 | mg/L | 0.0500 | ND | 103 | 70-130 | 10 | 20 | BDS | |
| Vinyl chloride | 0.041 | 0.005 | mg/L | 0.0500 | ND | 82 | 70-130 | 21 | 20 | BDS | OQ3 |
| Bromomethane | 0.053 | 0.005 | mg/L | 0.0500 | ND | 106 | 70-130 | 10 | 20 | BDS | |
| Chloroethane | 0.058 | 0.005 | mg/L | 0.0500 | ND | 115 | 70-130 | 14 | 20 | BDS | |
| Trichlorofluoromethane | 0.030 | 0.005 | mg/L | 0.0500 | ND | 59 | 70-130 | 26 | 20 | BDS | OQ2, OQ3 |
| 1,1-Dichloroethene | 0.039 | 0.005 | mg/L | 0.0500 | ND | 77 | 70-130 | 31 | 20 | BDS | OQ3 |
| Methylene chloride | 0.046 | 0.005 | mg/L | 0.0500 | ND | 91 | 70-130 | 10 | 20 | BDS | |
| trans-1,2-Dichloroethene | 0.041 | 0.005 | mg/L | 0.0500 | ND | 82 | 70-130 | 28 | 20 | BDS | OQ3 |
| 1,1-Dichloroethane | 0.049 | 0.005 | mg/L | 0.0500 | ND | 99 | 70-130 | 16 | 20 | BDS | |
| cis-1,2-Dichloroethene | 0.048 | 0.005 | mg/L | 0.0500 | ND | 95 | 70-130 | 18 | 20 | BDS | |
| 2,2-Dichloropropane | 0.023 | 0.005 | mg/L | 0.0500 | ND | 47 | 70-130 | 29 | 20 | BDS | OQ2, OQ3 |
| Bromochloromethane | 0.050 | 0.010 | mg/L | 0.0500 | ND | 101 | 70-130 | 0.5 | 20 | BDS | OQ2 |
| Chloroform | 0.047 | 0.005 | mg/L | 0.0500 | ND | 95 | 70-130 | 19 | 20 | BDS | |
| 1,1,1-Trichloroethane | 0.042 | 0.005 | mg/L | 0.0500 | ND | 85 | 70-130 | 35 | 20 | BDS | |
| 1,1-Dichloropropene | 0.034 | 0.005 | mg/L | 0.0500 | ND | 69 | 70-130 | 47 | 20 | BDS | OQ1, OQ3 |
| 1,2-Dichloroethane | 0.046 | 0.005 | mg/L | 0.0500 | ND | 91 | 70-130 | 11 | 20 | BDS | |
| Benzene | 0.044 | 0.005 | mg/L | 0.0500 | ND | 88 | 70-130 | 27 | 20 | BDS | OQ3 |
| Carbon tetrachloride | 0.037 | 0.005 | mg/L | 0.0500 | ND | 73 | 70-130 | 44 | 20 | BDS | OQ3 |
| 1,2-Dichloropropane | 0.047 | 0.005 | mg/L | 0.0500 | ND | 93 | 70-130 | 16 | 20 | BDS | |
| Trichloroethene | 0.040 | 0.005 | mg/L | 0.0500 | ND | 81 | 70-130 | 41 | 20 | BDS | OQ3 |
| Dibromomethane | 0.050 | 0.005 | mg/L | 0.0500 | ND | 100 | 70-130 | 8 | 20 | BDS | |
| Bromodichloromethane | 0.049 | 0.005 | mg/L | 0.0500 | ND | 97 | 70-130 | 19 | 20 | BDS | |
| cis-1,3-Dichloropropene | 0.042 | 0.005 | mg/L | 0.0500 | ND | 84 | 70-130 | 18 | 20 | BDS | |
| trans-1,3-Dichloropropene | 0.045 | 0.005 | mg/L | 0.0500 | ND | 91 | 70-130 | 18 | 20 | BDS | |
| Toluene | 0.040 | 0.005 | mg/L | 0.0500 | ND | 81 | 70-130 | 41 | 20 | BDS | |
| 1,1,2-Trichloroethane | 0.051 | 0.005 | mg/L | 0.0500 | ND | 102 | 70-130 | 9 | 20 | BDS | |
| 1,3-Dichloropropane | 0.048 | 0.005 | mg/L | 0.0500 | ND | 96 | 70-130 | 12 | 20 | BDS | |
| Dibromochloromethane | 0.054 | 0.005 | mg/L | 0.0500 | ND | 109 | 70-130 | 16 | 20 | BDS | |
| 1,2-Dibromoethane (EDB) | 0.051 | 0.005 | mg/L | 0.0500 | ND | 103 | 70-130 | 11 | 20 | BDS | |
| Tetrachloroethene | 0.036 | 0.005 | mg/L | 0.0500 | ND | 71 | 70-130 | 46 | 20 | BDS | OQ3 |
| Chlorobenzene | 0.041 | 0.005 | mg/L | 0.0500 | ND | 82 | 70-130 | 44 | 20 | BDS | OQ3 |
| 1,1,1,2-Tetrachloroethane | 0.046 | 0.005 | mg/L | 0.0500 | ND | 92 | 70-130 | 30 | 20 | BDS | OQ3 |
| Ethyl benzene | 0.033 | 0.005 | mg/L | 0.0500 | ND | 67 | 70-130 | 53 | 20 | BDS | OQ2, OQ3 |
| m,p-Xylene | 0.070 | 0.005 | mg/L | 0.100 | ND | 70 | 70-130 | 55 | 20 | BDS | OQ3 |
| Bromoform | 0.055 | 0.005 | mg/L | 0.0500 | ND | 109 | 70-130 | 15 | 20 | BDS | |
| Styrene | 0.041 | 0.005 | mg/L | 0.0500 | ND | 82 | 70-130 | 49 | 20 | BDS | OQ3 |
| o-Xylene | 0.039 | 0.005 | mg/L | 0.0500 | ND | 78 | 70-130 | 48 | 20 | BDS | OQ3 |
| 1,1,2,2-Tetrachloroethane | 0.048 | 0.005 | mg/L | 0.0500 | ND | 96 | 70-130 | 11 | 20 | BDS | |
| 1,2,3-Trichloropropane | 0.048 | 0.005 | mg/L | 0.0500 | ND | 96 | 70-130 | 8 | 20 | BDS | |

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



ED_004207_00000830-00016

4825 Ward Drive
Beaumont, TX 77705
(p) 409-842-0658
(f) 409-842-9793

| | | |
|---|---|---|
| Center Technical Environmental Health | Project: CTEH | |
| 5120 Northshore Drive | Project Number: 112312 | **Reported:** |
| N. Little Rock ARKANSAS, 72118 | Project Manager: Center Technical Environmental Health | 11/28/19 17:36 |

## Volatile Organic Compounds by GC/MS - EPA 8260 - Quality Control

## Earth Analytical Sciences, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Analyst | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B9K0686 - EPA 5030C/624** | | | | | | | | | | | |
| **Matrix Spike Dup (B9K0686-MSD1)** | | **Source: 9K28007-01** Prepared & Analyzed: 11/28/19 | | | | | | | | | |
| Isopropylbenzene | 0.030 | 0.005 | mg/L | 0.0500 | ND | 60 | 70-130 | 53 | 20 | BDS | OQ2, OQ3 |
| Bromobenzene | 0.039 | 0.005 | mg/L | 0.0500 | ND | 78 | 70-130 | 45 | 20 | BDS | OQ2, OQ3 |
| 4-Chlorotoluene | 0.030 | 0.005 | mg/L | 0.0500 | ND | 61 | 70-130 | 55 | 20 | BDS | OQ2, OQ3 |
| n-Propylbenzene | 0.025 | 0.005 | mg/L | 0.0500 | ND | 50 | 70-130 | 50 | 20 | BDS | OQ2, OQ3 |
| 2-Chlorotoluene | 0.032 | 0.005 | mg/L | 0.0500 | ND | 64 | 70-130 | 59 | 20 | BDS | OQ2, OQ3 |
| 1,3,5-Trimethylbenzene | 0.028 | 0.005 | mg/L | 0.0500 | ND | 55 | 70-130 | 54 | 20 | BDS | OQ2, OQ3 |
| tert-Butylbenzene | 0.026 | 0.005 | mg/L | 0.0500 | ND | 52 | 70-130 | 49 | 20 | BDS | OQ2, OQ3 |
| 1,2,4-Trimethylbenzene | 0.028 | 0.005 | mg/L | 0.0500 | ND | 56 | 70-130 | 55 | 20 | BDS | OQ2, OQ3 |
| 1,3-Dichlorobenzene | 0.034 | 0.005 | mg/L | 0.0500 | ND | 67 | 70-130 | 55 | 20 | BDS | OQ2, OQ3 |
| sec-Butylbenzene | 0.022 | 0.005 | mg/L | 0.0500 | ND | 44 | 70-130 | 44 | 20 | BDS | OQ2, OQ3 |
| 1,4-Dichlorobenzene | 0.034 | 0.005 | mg/L | 0.0500 | ND | 69 | 70-130 | 56 | 20 | BDS | OQ2, OQ3 |
| p-Isopropyltoluene | 0.023 | 0.005 | mg/L | 0.0500 | ND | 47 | 70-130 | 45 | 20 | BDS | OQ2, OQ3 |
| 1,2-Dichlorobenzene | 0.036 | 0.005 | mg/L | 0.0500 | ND | 73 | 70-130 | 51 | 20 | BDS | OQ2, OQ3 |
| n-Butylbenzene | 0.020 | 0.005 | mg/L | 0.0500 | ND | 40 | 70-130 | 43 | 20 | BDS | OQ2, OQ3 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 0.042 | 0.005 | mg/L | 0.0500 | ND | 83 | 70-130 | 9 | 20 | BDS | |
| 1,2,4-Trichlorobenzene | 0.031 | 0.005 | mg/L | 0.0500 | ND | 61 | 70-130 | 47 | 20 | BDS | OQ2, OQ3 |
| Naphthalene | 0.041 | 0.005 | mg/L | 0.0500 | ND | 81 | 70-130 | 41 | 20 | BDS | OQ2, OQ3 |
| 1,2,3-Trichlorobenzene | 0.034 | 0.005 | mg/L | 0.0500 | ND | 68 | 70-130 | 56 | 20 | BDS | OQ2, OQ3 |
| Hexachlorobutadiene | 0.019 | 0.005 | mg/L | 0.0500 | ND | 39 | 70-130 | 30 | 20 | BDS | OQ2, OQ3 |
| *Surrogate: Dibromofluoromethane* | *0.0499* | | mg/L | *0.0500* | | *100* | *82-118* | | | | |
| *Surrogate: Toluene-d8* | *0.0502* | | mg/L | *0.0500* | | *100* | *88-110* | | | | |
| *Surrogate: 4-Bromofluorobenzene* | *0.0482* | | mg/L | *0.0500* | | *96* | *86-115* | | | | |

## Semivolatile Organic Compounds by GC/MS - EPA 8270 - Quality Control

## Earth Analytical Sciences, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Analyst | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B9K0682 - 3510C/625** | | | | | | | | | | | |
| **Blank (B9K0682-BLK1)** | | | | Prepared & Analyzed: 11/28/19 | | | | | | | |
| N-Nitrosodimethylamine | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| 2-Picoline | <0.005 | 0.005 | mg/L | | | | | | | CS | |

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



ED_004207_00000830-00017

4825 Ward Drive
Beaumont, TX 77705
(p) 409-842-0658
(f) 409-842-9793

| | | |
|---|---|---|
| Center Technical Environmental Health | Project: CTEH | |
| 5120 Northshore Drive | Project Number: 112312 | **Reported:** |
| N. Little Rock ARKANSAS, 72118 | Project Manager: Center Technical Environmental Health | 11/28/19 17:36 |

## Semivolatile Organic Compounds by GC/MS - EPA 8270 - Quality Control

## Earth Analytical Sciences, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Analyst | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B9K0682 - 3510C/625** | | | | | | | | | | | |
| **Blank (B9K0682-BLK1)** | | | | Prepared & Analyzed: 11/28/19 | | | | | | | |
| Methyl methanesulfonate | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| Ethyl methanesulfonate | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| Aniline | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| Phenol | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| 2-Chlorophenol | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| bis(2-Chloroethyl)ether | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| 1,3-Dichlorobenzene | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| 1,4-Dichlorobenzene | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| Benzyl alcohol | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| 1,2-Dichlorobenzene | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| 2-Methylphenol | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| bis(2-Chloroisopropyl)ether | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| Acetophenone | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| 4-Methylphenol | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| N-Nitroso-di-n-propylamine | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| Hexachloroethane | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| Nitrobenzene | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| N-Nitrosopiperidine | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| Isophorone | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| 2-Nitrophenol | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| 2,4-Dimethylphenol | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| bis(2-Chloroethoxy)methane | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| 2,4-Dichlorophenol | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| Benzoic acid | <0.020 | 0.020 | mg/L | | | | | | | CS | |
| 1,2,4-Trichlorobenzene | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| Naphthalene | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| Hexachlorobutadiene | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| 4-Chloroaniline | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| 2,6-Dichlorophenol | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| Hexachloropropene | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| N-Nitroso-di-n-butylamine | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| a,a-Dimethylphenethylamine | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| 4-Chloro-3-methylphenol | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| 2-Methylnaphthalene | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| 1,2,4,5-Tetrachlorobenzene | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| Hexachlorocyclopentadiene | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| 2,4,6-Trichlorophenol | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| 2,4,5-Trichlorophenol | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| 1-Chloronaphthalene | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| 2-Chloronaphthalene | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| 2-Nitroaniline | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| Dimethylphthalate | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| Acenaphthylene | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| 2,6-Dinitrotoluene | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| 3-Nitroaniline | <0.005 | 0.005 | mg/L | | | | | | | CS | |

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

4825 Ward Drive
Beaumont, TX 77705
(p) 409-842-0658
(f) 409-842-9793

| | | |
|---|---|---|
| Center Technical Environmental Health | Project: CTEH | |
| 5120 Northshore Drive | Project Number: 112312 | **Reported:** |
| N. Little Rock ARKANSAS, 72118 | Project Manager: Center Technical Environmental Health | 11/28/19 17:36 |

## Semivolatile Organic Compounds by GC/MS - EPA 8270 - Quality Control

## Earth Analytical Sciences, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Analyst | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B9K0682 - 3510C/625** | | | | | | | | | | | |
| **Blank (B9K0682-BLK1)** | | | | Prepared & Analyzed: 11/28/19 | | | | | | | |
| Acenaphthene | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| 2,4-Dinitrophenol | <0.010 | 0.010 | mg/L | | | | | | | CS | |
| Dibenzofuran | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| 4-Nitrophenol | <0.010 | 0.010 | mg/L | | | | | | | CS | |
| Pentachlorobenzene | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| 2,4-Dinitrotoluene | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| 1-Naphthylamine | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| 2-Naphthylamine | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| 2,3,4,6-Tetrachlorophenol | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| Diethylphthalate | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| Fluorene | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| 4-Chlorophenyl-phenyl ether | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| 4-Nitroaniline | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| 4,6-Dinitro-2-methylphenol | <0.010 | 0.010 | mg/L | | | | | | | CS | |
| N-Nitrosodiphenylamine | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| Diphenylamine | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| Diphenylhydrazine(as Azobenzene) | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| 4-Bromophenyl-phenyl ether | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| Phenacetin | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| Hexachlorobenzene | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| 4-Aminobiphenyl | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| Pentachlorophenol | <0.010 | 0.010 | mg/L | | | | | | | CS | |
| Pronamide | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| Pentachloronitrobenzene | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| Phenanthrene | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| Anthracene | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| Di-n-butylphthalate | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| Fluoranthene | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| Benzidine | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| Pyrene | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| p-Dimethylaminoazobenzene | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| Chlorobenzilate | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| 3,3'-Dimethylbenzidine | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| Benzylbutylphthalate | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| Benzo(a)anthracene | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| 3,3'-Dichlorobenzidine | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| Chrysene | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| bis(2-Ethylhexyl)phthalate | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| Di-n-octylphthalate | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| Benzo(b)fluoranthene | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| 7,12-Dimethylbenz(a)anthracene | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| Benzo(k)fluoranthene | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| Benzo(a)pyrene | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| 3-Methylcholanthrene | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| Dibenz(a,j)acridine | <0.005 | 0.005 | mg/L | | | | | | | CS | |

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

4825 Ward Drive
Beaumont, TX 77705
(p) 409-842-0658
(f) 409-842-9793

| | | |
|---|---|---|
| Center Technical Environmental Health | Project: CTEH | |
| 5120 Northshore Drive | Project Number: 112312 | **Reported:** |
| N. Little Rock ARKANSAS, 72118 | Project Manager: Center Technical Environmental Health | 11/28/19 17:36 |

## Semivolatile Organic Compounds by GC/MS - EPA 8270 - Quality Control

## Earth Analytical Sciences, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Analyst | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B9K0682 - 3510C/625** | | | | | | | | | | | |
| **Blank (B9K0682-BLK1)** | | | | Prepared & Analyzed: 11/28/19 | | | | | | | |
| Indeno(1,2,3-cd)pyrene | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| Dibenz(a,h)anthracene | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| Benzo(g,h,i)perylene | <0.005 | 0.005 | mg/L | | | | | | | CS | |
| *Surrogate: 2-Fluorophenol* | *0.0380* | | mg/L | *0.100* | | *38* | *21-100* | | | | |
| *Surrogate: Phenol-d6* | *0.0241* | | mg/L | *0.100* | | *24* | *10-94* | | | | |
| *Surrogate: 2,4,6-Tribromophenol* | *0.0729* | | mg/L | *0.100* | | *73* | *10-123* | | | | |
| *Surrogate: Nitrobenzene-d5* | *0.0664* | | mg/L | *0.100* | | *66* | *35-114* | | | | |
| *Surrogate: 2-Fluorobiphenyl* | *0.0616* | | mg/L | *0.100* | | *62* | *43-116* | | | | |
| *Surrogate: p-Terphenyl-d14* | *0.0823* | | mg/L | *0.100* | | *82* | *33-141* | | | | |
| **LCS (B9K0682-BS1)** | | | | Prepared & Analyzed: 11/28/19 | | | | | | | |
| N-Nitrosodimethylamine | 0.015 | 0.005 | mg/L | 0.0500 | | 30 | 21-85 | | | CS | |
| 2-Picoline | 0.015 | 0.005 | mg/L | 0.0500 | | 31 | 7-61 | | | CS | |
| Methyl methanesulfonate | 0.024 | 0.005 | mg/L | 0.0500 | | 47 | 40-120 | | | CS | |
| Ethyl methanesulfonate | 0.031 | 0.005 | mg/L | 0.0500 | | 62 | 40-120 | | | CS | |
| Aniline | 0.023 | 0.005 | mg/L | 0.0500 | | 45 | 13-55 | | | CS | |
| Phenol | 0.011 | 0.005 | mg/L | 0.0500 | | 22 | 14-95 | | | CS | |
| 2-Chlorophenol | 0.026 | 0.005 | mg/L | 0.0500 | | 53 | 50-120 | | | CS | |
| bis(2-Chloroethyl)ether | 0.032 | 0.005 | mg/L | 0.0500 | | 65 | 50-120 | | | CS | |
| 1,3-Dichlorobenzene | 0.023 | 0.005 | mg/L | 0.0500 | | 47 | 50-120 | | | CS | |
| 1,4-Dichlorobenzene | 0.024 | 0.005 | mg/L | 0.0500 | | 48 | 50-120 | | | CS | |
| Benzyl alcohol | 0.023 | 0.005 | mg/L | 0.0500 | | 46 | 20-68 | | | CS | |
| 1,2-Dichlorobenzene | 0.025 | 0.005 | mg/L | 0.0500 | | 50 | 50-120 | | | CS | |
| 2-Methylphenol | 0.023 | 0.005 | mg/L | 0.0500 | | 47 | 27-120 | | | CS | |
| bis(2-Chloroisopropyl)ether | 0.032 | 0.005 | mg/L | 0.0500 | | 64 | 30-107 | | | CS | |
| Acetophenone | 0.036 | 0.005 | mg/L | 0.0500 | | 73 | 50-120 | | | CS | |
| 4-Methylphenol | 0.042 | 0.005 | mg/L | 0.100 | | 42 | 50-120 | | | CS | |
| N-Nitroso-di-n-propylamine | 0.036 | 0.005 | mg/L | 0.0500 | | 72 | 50-120 | | | CS | |
| Hexachloroethane | 0.023 | 0.005 | mg/L | 0.0500 | | 46 | 35-120 | | | CS | |
| Nitrobenzene | 0.036 | 0.005 | mg/L | 0.0500 | | 72 | 50-120 | | | CS | |
| N-Nitrosopiperidine | 0.038 | 0.005 | mg/L | 0.0500 | | 75 | 35-120 | | | CS | |
| Isophorone | 0.040 | 0.005 | mg/L | 0.0500 | | 80 | 50-120 | | | CS | |
| 2-Nitrophenol | 0.036 | 0.005 | mg/L | 0.0500 | | 72 | 50-120 | | | CS | |
| 2,4-Dimethylphenol | 0.031 | 0.005 | mg/L | 0.0500 | | 62 | 30-120 | | | CS | |
| bis(2-Chloroethoxy)methane | 0.020 | 0.005 | mg/L | 0.0500 | | 41 | 50-120 | | | CS | |
| 2,4-Dichlorophenol | 0.034 | 0.005 | mg/L | 0.0500 | | 68 | 50-120 | | | CS | |
| Benzoic acid | 0.009 | 0.020 | mg/L | 0.0500 | | 18 | 1-75 | | | CS | |
| 1,2,4-Trichlorobenzene | 0.030 | 0.005 | mg/L | 0.0500 | | 60 | 50-120 | | | CS | |
| Naphthalene | 0.033 | 0.005 | mg/L | 0.0500 | | 66 | 50-120 | | | CS | |
| Hexachlorobutadiene | 0.028 | 0.005 | mg/L | 0.0500 | | 57 | 40-120 | | | CS | |
| 4-Chloroaniline | 0.036 | 0.005 | mg/L | 0.0500 | | 72 | 25-120 | | | CS | |
| 2,6-Dichlorophenol | 0.036 | 0.005 | mg/L | 0.0500 | | 72 | 50-120 | | | CS | |
| Hexachloropropene | 0.022 | 0.005 | mg/L | 0.0500 | | 45 | 25-120 | | | CS | |
| N-Nitroso-di-n-butylamine | 0.039 | 0.005 | mg/L | 0.0500 | | 79 | 35-120 | | | CS | |
| a,a-Dimethylphenethylamine | 0.005 | 0.005 | mg/L | 0.0500 | | 10 | 1-75 | | | CS | |

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

4825 Ward Drive
Beaumont, TX 77705
(p) 409-842-0658
(f) 409-842-9793

| | | |
|---|---|---|
| Center Technical Environmental Health | Project: CTEH | |
| 5120 Northshore Drive | Project Number: 112312 | **Reported:** |
| N. Little Rock ARKANSAS, 72118 | Project Manager: Center Technical Environmental Health | 11/28/19 17:36 |

## Semivolatile Organic Compounds by GC/MS - EPA 8270 - Quality Control

## Earth Analytical Sciences, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Analyst | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B9K0682 - 3510C/625** | | | | | | | | | | | |
| **LCS (B9K0682-BS1)** | | | | Prepared & Analyzed: 11/28/19 | | | | | | | |
| 4-Chloro-3-methylphenol | 0.032 | 0.005 | mg/L | 0.0500 | | 65 | 30-120 | | | CS | |
| 2-Methylnaphthalene | 0.036 | 0.005 | mg/L | 0.0500 | | 72 | 50-120 | | | CS | |
| 1,2,4,5-Tetrachlorobenzene | 0.033 | 0.005 | mg/L | 0.0500 | | 67 | 35-120 | | | CS | |
| Hexachlorocyclopentadiene | 0.013 | 0.005 | mg/L | 0.0500 | | 26 | 10-98 | | | CS | |
| 2,4,6-Trichlorophenol | 0.037 | 0.005 | mg/L | 0.0500 | | 74 | 40-120 | | | CS | |
| 2,4,5-Trichlorophenol | 0.037 | 0.005 | mg/L | 0.0500 | | 75 | 40-120 | | | CS | |
| 1-Chloronaphthalene | 0.038 | 0.005 | mg/L | 0.0500 | | 75 | 50-120 | | | CS | |
| 2-Chloronaphthalene | 0.036 | 0.005 | mg/L | 0.0500 | | 73 | 50-120 | | | CS | |
| 2-Nitroaniline | 0.040 | 0.005 | mg/L | 0.0500 | | 81 | 50-120 | | | CS | |
| Dimethylphthalate | 0.037 | 0.005 | mg/L | 0.0500 | | 73 | 25-120 | | | CS | |
| Acenaphthylene | 0.019 | 0.005 | mg/L | 0.0500 | | 39 | 20-145 | | | CS | |
| 2,6-Dinitrotoluene | 0.041 | 0.005 | mg/L | 0.0500 | | 83 | 50-120 | | | CS | |
| 3-Nitroaniline | 0.035 | 0.005 | mg/L | 0.0500 | | 71 | 25-120 | | | CS | |
| Acenaphthene | 0.037 | 0.005 | mg/L | 0.0500 | | 74 | 50-120 | | | CS | |
| 2,4-Dinitrophenol | 0.031 | 0.010 | mg/L | 0.0500 | | 63 | 10-90 | | | CS | |
| Dibenzofuran | 0.039 | 0.005 | mg/L | 0.0500 | | 77 | 20-120 | | | CS | |
| 4-Nitrophenol | 0.011 | 0.010 | mg/L | 0.0500 | | 22 | 1-75 | | | CS | |
| Pentachlorobenzene | 0.038 | 0.005 | mg/L | 0.0500 | | 76 | 50-120 | | | CS | |
| 2,4-Dinitrotoluene | 0.041 | 0.005 | mg/L | 0.0500 | | 82 | 50-120 | | | CS | |
| 1-Naphthylamine | 0.034 | 0.005 | mg/L | 0.0500 | | 68 | 15-67 | | | CS | |
| 2-Naphthylamine | 0.037 | 0.005 | mg/L | 0.0500 | | 73 | 5-74 | | | CS | |
| 2,3,4,6-Tetrachlorophenol | 0.037 | 0.005 | mg/L | 0.0500 | | 75 | 40-120 | | | CS | |
| Diethylphthalate | 0.041 | 0.005 | mg/L | 0.0500 | | 82 | 30-120 | | | CS | |
| Fluorene | 0.037 | 0.005 | mg/L | 0.0500 | | 75 | 50-120 | | | CS | |
| 4-Chlorophenyl-phenyl ether | 0.037 | 0.005 | mg/L | 0.0500 | | 74 | 50-120 | | | CS | |
| 4-Nitroaniline | 0.039 | 0.005 | mg/L | 0.0500 | | 78 | 33-98 | | | CS | |
| 4,6-Dinitro-2-methylphenol | 0.037 | 0.010 | mg/L | 0.0500 | | 74 | 40-120 | | | CS | |
| N-Nitrosodiphenylamine | 0.039 | 0.005 | mg/L | 0.0500 | | 79 | 25-120 | | | CS | |
| Diphenylamine | 0.039 | 0.005 | mg/L | 0.0500 | | 79 | 25-120 | | | CS | |
| Diphenylhydrazine(as Azobenzene) | 0.017 | 0.005 | mg/L | 0.0500 | | 33 | 2-79 | | | CS | |
| 4-Bromophenyl-phenyl ether | 0.038 | 0.005 | mg/L | 0.0500 | | 76 | 50-120 | | | CS | |
| Phenacetin | 0.038 | 0.005 | mg/L | 0.0500 | | 75 | 50-120 | | | CS | |
| Hexachlorobenzene | 0.038 | 0.005 | mg/L | 0.0500 | | 75 | 50-120 | | | CS | |
| 4-Aminobiphenyl | 0.031 | 0.005 | mg/L | 0.0500 | | 61 | 50-120 | | | CS | |
| Pentachlorophenol | 0.032 | 0.010 | mg/L | 0.0500 | | 65 | 9-103 | | | CS | |
| Pronamide | 0.040 | 0.005 | mg/L | 0.0500 | | 80 | 25-120 | | | CS | |
| Pentachloronitrobenzene | 0.039 | 0.005 | mg/L | 0.0500 | | 79 | 50-120 | | | CS | |
| Phenanthrene | 0.037 | 0.005 | mg/L | 0.0500 | | 73 | 50-120 | | | CS | |
| Anthracene | 0.038 | 0.005 | mg/L | 0.0500 | | 75 | 50-120 | | | CS | |
| Di-n-butylphthalate | 0.041 | 0.005 | mg/L | 0.0500 | | 82 | 25-120 | | | CS | |
| Fluoranthene | 0.038 | 0.005 | mg/L | 0.0500 | | 76 | 50-120 | | | CS | |
| Benzidine | 0.009 | 0.005 | mg/L | 0.0500 | | 18 | 50-75 | | | CS | |
| Pyrene | 0.036 | 0.005 | mg/L | 0.0500 | | 72 | 52-120 | | | CS | |
| p-Dimethylaminoazobenzene | 0.040 | 0.005 | mg/L | 0.0500 | | 79 | 50-120 | | | CS | |
| Chlorobenzilate | 0.044 | 0.005 | mg/L | 0.0500 | | 87 | 30-120 | | | CS | |

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



ED_004207_00000830-00021

4825 Ward Drive
Beaumont, TX 77705
(p) 409-842-0658
(f) 409-842-9793

| | | |
|---|---|---|
| Center Technical Environmental Health | Project: CTEH | |
| 5120 Northshore Drive | Project Number: 112312 | **Reported:** |
| N. Little Rock ARKANSAS, 72118 | Project Manager: Center Technical Environmental Health | 11/28/19 17:36 |

## Semivolatile Organic Compounds by GC/MS - EPA 8270 - Quality Control

## Earth Analytical Sciences, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Analyst | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B9K0682 - 3510C/625** | | | | | | | | | | | |
| **LCS (B9K0682-BS1)** | | | | Prepared & Analyzed: 11/28/19 | | | | | | | |
| 3,3'-Dimethylbenzidine | 0.028 | 0.005 | mg/L | 0.0500 | | 56 | 1-75 | | | CS | |
| Benzylbutylphthalate | 0.041 | 0.005 | mg/L | 0.0500 | | 83 | 50-120 | | | CS | |
| Benzo(a)anthracene | 0.041 | 0.005 | mg/L | 0.0500 | | 82 | 50-120 | | | CS | |
| 3,3'-Dichlorobenzidine | 0.038 | 0.005 | mg/L | 0.0500 | | 76 | 1-75 | | | CS | |
| Chrysene | 0.037 | 0.005 | mg/L | 0.0500 | | 74 | 50-120 | | | CS | |
| bis(2-Ethylhexyl)phthalate | 0.043 | 0.005 | mg/L | 0.0500 | | 85 | 50-120 | | | CS | |
| Di-n-octylphthalate | 0.042 | 0.005 | mg/L | 0.0500 | | 84 | 50-120 | | | CS | |
| Benzo(b)fluoranthene | 0.033 | 0.005 | mg/L | 0.0500 | | 65 | 25-120 | | | CS | |
| 7,12-Dimethylbenz(a)anthracene | 0.040 | 0.005 | mg/L | 0.0500 | | 81 | 20-120 | | | CS | |
| Benzo(k)fluoranthene | 0.033 | 0.005 | mg/L | 0.0500 | | 66 | 25-120 | | | CS | |
| Benzo(a)pyrene | 0.027 | 0.005 | mg/L | 0.0500 | | 55 | 25-120 | | | CS | |
| 3-Methylcholanthrene | 0.032 | 0.005 | mg/L | 0.0500 | | 65 | 20-120 | | | CS | |
| Dibenz(a,j)acridine | 0.007 | 0.005 | mg/L | 0.0500 | | 13 | 50-120 | | | CS | |
| Indeno(1,2,3-cd)pyrene | 0.030 | 0.005 | mg/L | 0.0500 | | 61 | 25-120 | | | CS | |
| Dibenz(a,h)anthracene | 0.033 | 0.005 | mg/L | 0.0500 | | 67 | 25-120 | | | CS | |
| Benzo(g,h,i)perylene | 0.040 | 0.005 | mg/L | 0.0500 | | 79 | 20-120 | | | CS | |
| *Surrogate: 2-Fluorophenol* | *0.0257* | | mg/L | *0.100* | | *26* | *21-100* | | | | |
| *Surrogate: Phenol-d6* | *0.0182* | | mg/L | *0.100* | | *18* | *10-94* | | | | |
| *Surrogate: 2,4,6-Tribromophenol* | *0.0724* | | mg/L | *0.100* | | *72* | *10-123* | | | | |
| *Surrogate: Nitrobenzene-d5* | *0.0674* | | mg/L | *0.100* | | *67* | *35-114* | | | | |
| *Surrogate: 2-Fluorobiphenyl* | *0.0660* | | mg/L | *0.100* | | *66* | *43-116* | | | | |
| *Surrogate: p-Terphenyl-d14* | *0.0776* | | mg/L | *0.100* | | *78* | *33-141* | | | | |
| **LCS Dup (B9K0682-BSD1)** | | | | Prepared & Analyzed: 11/28/19 | | | | | | | |
| N-Nitrosodimethylamine | 0.014 | 0.005 | mg/L | 0.0500 | | 27 | 21-85 | 8 | 25 | CS | |
| 2-Picoline | 0.014 | 0.005 | mg/L | 0.0500 | | 27 | 7-61 | 12 | 25 | CS | |
| Methyl methanesulfonate | 0.022 | 0.005 | mg/L | 0.0500 | | 44 | 40-120 | 7 | 25 | CS | |
| Ethyl methanesulfonate | 0.028 | 0.005 | mg/L | 0.0500 | | 56 | 40-120 | 10 | 25 | CS | |
| Aniline | 0.021 | 0.005 | mg/L | 0.0500 | | 41 | 13-55 | 9 | 25 | CS | |
| Phenol | 0.010 | 0.005 | mg/L | 0.0500 | | 20 | 14-95 | 11 | 25 | CS | |
| 2-Chlorophenol | 0.024 | 0.005 | mg/L | 0.0500 | | 48 | 50-120 | 9 | 25 | CS | |
| bis(2-Chloroethyl)ether | 0.029 | 0.005 | mg/L | 0.0500 | | 58 | 50-120 | 10 | 25 | CS | |
| 1,3-Dichlorobenzene | 0.021 | 0.005 | mg/L | 0.0500 | | 42 | 50-120 | 11 | 25 | CS | |
| 1,4-Dichlorobenzene | 0.022 | 0.005 | mg/L | 0.0500 | | 43 | 50-120 | 10 | 25 | CS | |
| Benzyl alcohol | 0.022 | 0.005 | mg/L | 0.0500 | | 43 | 20-68 | 7 | 25 | CS | |
| 1,2-Dichlorobenzene | 0.023 | 0.005 | mg/L | 0.0500 | | 46 | 50-120 | 10 | 25 | CS | |
| 2-Methylphenol | 0.022 | 0.005 | mg/L | 0.0500 | | 44 | 27-120 | 6 | 25 | CS | |
| bis(2-Chloroisopropyl)ether | 0.029 | 0.005 | mg/L | 0.0500 | | 59 | 30-107 | 9 | 25 | CS | |
| Acetophenone | 0.033 | 0.005 | mg/L | 0.0500 | | 67 | 50-120 | 9 | 25 | CS | |
| 4-Methylphenol | 0.039 | 0.005 | mg/L | 0.100 | | 39 | 50-120 | 9 | 25 | CS | |
| N-Nitroso-di-n-propylamine | 0.033 | 0.005 | mg/L | 0.0500 | | 66 | 50-120 | 9 | 25 | CS | |
| Hexachloroethane | 0.021 | 0.005 | mg/L | 0.0500 | | 41 | 35-120 | 10 | 25 | CS | |
| Nitrobenzene | 0.033 | 0.005 | mg/L | 0.0500 | | 66 | 50-120 | 8 | 25 | CS | |
| N-Nitrosopiperidine | 0.034 | 0.005 | mg/L | 0.0500 | | 68 | 35-120 | 10 | 25 | CS | |
| Isophorone | 0.036 | 0.005 | mg/L | 0.0500 | | 73 | 50-120 | 9 | 25 | CS | |

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

4825 Ward Drive
Beaumont, TX 77705
(p) 409-842-0658
(f) 409-842-9793

| | | |
|---|---|---|
| Center Technical Environmental Health | Project: CTEH | |
| 5120 Northshore Drive | Project Number: 112312 | **Reported:** |
| N. Little Rock ARKANSAS, 72118 | Project Manager: Center Technical Environmental Health | 11/28/19 17:36 |

## Semivolatile Organic Compounds by GC/MS - EPA 8270 - Quality Control

## Earth Analytical Sciences, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Analyst | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B9K0682 - 3510C/625** | | | | | | | | | | | |
| **LCS Dup (B9K0682-BSD1)** | | | | Prepared & Analyzed: 11/28/19 | | | | | | | |
| 2-Nitrophenol | 0.033 | 0.005 | mg/L | 0.0500 | | 66 | 50-120 | 9 | 25 | CS | |
| 2,4-Dimethylphenol | 0.029 | 0.005 | mg/L | 0.0500 | | 58 | 30-120 | 7 | 25 | CS | |
| bis(2-Chloroethoxy)methane | 0.018 | 0.005 | mg/L | 0.0500 | | 37 | 50-120 | 10 | 25 | CS | |
| 2,4-Dichlorophenol | 0.030 | 0.005 | mg/L | 0.0500 | | 61 | 50-120 | 11 | 25 | CS | |
| Benzoic acid | 0.009 | 0.020 | mg/L | 0.0500 | | 18 | 1-75 | 4 | 25 | CS | |
| 1,2,4-Trichlorobenzene | 0.027 | 0.005 | mg/L | 0.0500 | | 54 | 50-120 | 11 | 25 | CS | |
| Naphthalene | 0.030 | 0.005 | mg/L | 0.0500 | | 60 | 50-120 | 10 | 25 | CS | |
| Hexachlorobutadiene | 0.025 | 0.005 | mg/L | 0.0500 | | 51 | 40-120 | 11 | 25 | CS | |
| 4-Chloroaniline | 0.033 | 0.005 | mg/L | 0.0500 | | 66 | 25-120 | 9 | 25 | CS | |
| 2,6-Dichlorophenol | 0.033 | 0.005 | mg/L | 0.0500 | | 66 | 50-120 | 9 | 25 | CS | |
| Hexachloropropene | 0.021 | 0.005 | mg/L | 0.0500 | | 42 | 25-120 | 7 | 25 | CS | |
| N-Nitroso-di-n-butylamine | 0.036 | 0.005 | mg/L | 0.0500 | | 73 | 35-120 | 8 | 25 | CS | |
| a,a-Dimethylphenethylamine | 0.005 | 0.005 | mg/L | 0.0500 | | 10 | 1-75 | 3 | 25 | CS | |
| 4-Chloro-3-methylphenol | 0.030 | 0.005 | mg/L | 0.0500 | | 59 | 30-120 | 9 | 25 | CS | |
| 2-Methylnaphthalene | 0.033 | 0.005 | mg/L | 0.0500 | | 65 | 50-120 | 10 | 25 | CS | |
| 1,2,4,5-Tetrachlorobenzene | 0.030 | 0.005 | mg/L | 0.0500 | | 61 | 35-120 | 9 | 25 | CS | |
| Hexachlorocyclopentadiene | 0.012 | 0.005 | mg/L | 0.0500 | | 25 | 10-98 | 4 | 25 | CS | |
| 2,4,6-Trichlorophenol | 0.034 | 0.005 | mg/L | 0.0500 | | 69 | 40-120 | 8 | 25 | CS | |
| 2,4,5-Trichlorophenol | 0.035 | 0.005 | mg/L | 0.0500 | | 70 | 40-120 | 7 | 25 | CS | |
| 1-Chloronaphthalene | 0.034 | 0.005 | mg/L | 0.0500 | | 68 | 50-120 | 10 | 25 | CS | |
| 2-Chloronaphthalene | 0.033 | 0.005 | mg/L | 0.0500 | | 67 | 50-120 | 9 | 25 | CS | |
| 2-Nitroaniline | 0.037 | 0.005 | mg/L | 0.0500 | | 75 | 50-120 | 7 | 25 | CS | |
| Dimethylphthalate | 0.034 | 0.005 | mg/L | 0.0500 | | 68 | 25-120 | 7 | 25 | CS | |
| Acenaphthylene | 0.017 | 0.005 | mg/L | 0.0500 | | 34 | 20-145 | 12 | 25 | CS | |
| 2,6-Dinitrotoluene | 0.037 | 0.005 | mg/L | 0.0500 | | 74 | 50-120 | 11 | 25 | CS | |
| 3-Nitroaniline | 0.032 | 0.005 | mg/L | 0.0500 | | 64 | 25-120 | 10 | 25 | CS | |
| Acenaphthene | 0.033 | 0.005 | mg/L | 0.0500 | | 67 | 50-120 | 10 | 25 | CS | |
| 2,4-Dinitrophenol | 0.030 | 0.010 | mg/L | 0.0500 | | 60 | 10-90 | 4 | 25 | CS | |
| Dibenzofuran | 0.035 | 0.005 | mg/L | 0.0500 | | 70 | 20-120 | 10 | 25 | CS | |
| 4-Nitrophenol | 0.011 | 0.010 | mg/L | 0.0500 | | 21 | 1-75 | 4 | 25 | CS | |
| Pentachlorobenzene | 0.034 | 0.005 | mg/L | 0.0500 | | 68 | 50-120 | 10 | 25 | CS | |
| 2,4-Dinitrotoluene | 0.037 | 0.005 | mg/L | 0.0500 | | 75 | 50-120 | 9 | 25 | CS | |
| 1-Naphthylamine | 0.030 | 0.005 | mg/L | 0.0500 | | 61 | 15-67 | 12 | 25 | CS | |
| 2-Naphthylamine | 0.033 | 0.005 | mg/L | 0.0500 | | 66 | 5-74 | 11 | 25 | CS | |
| 2,3,4,6-Tetrachlorophenol | 0.034 | 0.005 | mg/L | 0.0500 | | 68 | 40-120 | 10 | 25 | CS | |
| Diethylphthalate | 0.037 | 0.005 | mg/L | 0.0500 | | 73 | 30-120 | 11 | 25 | CS | |
| Fluorene | 0.034 | 0.005 | mg/L | 0.0500 | | 69 | 50-120 | 9 | 25 | CS | |
| 4-Chlorophenyl-phenyl ether | 0.034 | 0.005 | mg/L | 0.0500 | | 68 | 50-120 | 9 | 25 | CS | |
| 4-Nitroaniline | 0.035 | 0.005 | mg/L | 0.0500 | | 71 | 33-98 | 11 | 25 | CS | |
| 4,6-Dinitro-2-methylphenol | 0.034 | 0.010 | mg/L | 0.0500 | | 68 | 40-120 | 9 | 25 | CS | |
| N-Nitrosodiphenylamine | 0.036 | 0.005 | mg/L | 0.0500 | | 71 | 25-120 | 10 | 25 | CS | |
| Diphenylamine | 0.036 | 0.005 | mg/L | 0.0500 | | 71 | 25-120 | 10 | 25 | CS | |
| Diphenylhydrazine(as Azobenzene) | 0.015 | 0.005 | mg/L | 0.0500 | | 30 | 2-79 | 10 | 25 | CS | |
| 4-Bromophenyl-phenyl ether | 0.035 | 0.005 | mg/L | 0.0500 | | 70 | 50-120 | 7 | 25 | CS | |
| Phenacetin | 0.036 | 0.005 | mg/L | 0.0500 | | 72 | 50-120 | 5 | 25 | CS | |

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

4825 Ward Drive
Beaumont, TX 77705
(p) 409-842-0658
(f) 409-842-9793

| | | |
|---|---|---|
| Center Technical Environmental Health | Project: CTEH | |
| 5120 Northshore Drive | Project Number: 112312 | **Reported:** |
| N. Little Rock ARKANSAS, 72118 | Project Manager: Center Technical Environmental Health | 11/28/19 17:36 |

## Semivolatile Organic Compounds by GC/MS - EPA 8270 - Quality Control

## Earth Analytical Sciences, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Analyst | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B9K0682 - 3510C/625** | | | | | | | | | | | |
| **LCS Dup (B9K0682-BSD1)** | | | | Prepared & Analyzed: 11/28/19 | | | | | | | |
| Hexachlorobenzene | 0.035 | 0.005 | mg/L | 0.0500 | | 70 | 50-120 | 7 | 25 | CS | |
| 4-Aminobiphenyl | 0.029 | 0.005 | mg/L | 0.0500 | | 58 | 50-120 | 7 | 25 | CS | |
| Pentachlorophenol | 0.030 | 0.010 | mg/L | 0.0500 | | 61 | 9-103 | 6 | 25 | CS | |
| Pronamide | 0.038 | 0.005 | mg/L | 0.0500 | | 75 | 25-120 | 6 | 25 | CS | |
| Pentachloronitrobenzene | 0.037 | 0.005 | mg/L | 0.0500 | | 74 | 50-120 | 6 | 25 | CS | |
| Phenanthrene | 0.034 | 0.005 | mg/L | 0.0500 | | 67 | 50-120 | 8 | 25 | CS | |
| Anthracene | 0.035 | 0.005 | mg/L | 0.0500 | | 70 | 50-120 | 7 | 25 | CS | |
| Di-n-butylphthalate | 0.039 | 0.005 | mg/L | 0.0500 | | 77 | 25-120 | 6 | 25 | CS | |
| Fluoranthene | 0.035 | 0.005 | mg/L | 0.0500 | | 70 | 50-120 | 8 | 25 | CS | |
| Benzidine | 0.009 | 0.005 | mg/L | 0.0500 | | 17 | 50-75 | 7 | 25 | CS | |
| Pyrene | 0.034 | 0.005 | mg/L | 0.0500 | | 67 | 52-120 | 6 | 25 | CS | |
| p-Dimethylaminoazobenzene | 0.036 | 0.005 | mg/L | 0.0500 | | 72 | 50-120 | 9 | 25 | CS | |
| Chlorobenzilate | 0.039 | 0.005 | mg/L | 0.0500 | | 78 | 30-120 | 11 | 25 | CS | |
| 3,3'-Dimethylbenzidine | 0.026 | 0.005 | mg/L | 0.0500 | | 52 | 1-75 | 8 | 25 | CS | |
| Benzylbutylphthalate | 0.038 | 0.005 | mg/L | 0.0500 | | 76 | 50-120 | 8 | 25 | CS | |
| Benzo(a)anthracene | 0.038 | 0.005 | mg/L | 0.0500 | | 75 | 50-120 | 8 | 25 | CS | |
| 3,3'-Dichlorobenzidine | 0.035 | 0.005 | mg/L | 0.0500 | | 70 | 1-75 | 8 | 25 | CS | |
| Chrysene | 0.034 | 0.005 | mg/L | 0.0500 | | 67 | 50-120 | 9 | 25 | CS | |
| bis(2-Ethylhexyl)phthalate | 0.039 | 0.005 | mg/L | 0.0500 | | 77 | 50-120 | 10 | 25 | CS | |
| Di-n-octylphthalate | 0.038 | 0.005 | mg/L | 0.0500 | | 77 | 50-120 | 8 | 25 | CS | |
| Benzo(b)fluoranthene | 0.029 | 0.005 | mg/L | 0.0500 | | 59 | 25-120 | 10 | 25 | CS | |
| 7,12-Dimethylbenz(a)anthracene | 0.037 | 0.005 | mg/L | 0.0500 | | 75 | 20-120 | 8 | 25 | CS | |
| Benzo(k)fluoranthene | 0.032 | 0.005 | mg/L | 0.0500 | | 63 | 25-120 | 5 | 25 | CS | |
| Benzo(a)pyrene | 0.026 | 0.005 | mg/L | 0.0500 | | 52 | 25-120 | 6 | 25 | CS | |
| 3-Methylcholanthrene | 0.030 | 0.005 | mg/L | 0.0500 | | 60 | 20-120 | 7 | 25 | CS | |
| Dibenz(a,j)acridine | 0.006 | 0.005 | mg/L | 0.0500 | | 12 | 50-120 | 13 | 25 | CS | |
| Indeno(1,2,3-cd)pyrene | 0.028 | 0.005 | mg/L | 0.0500 | | 56 | 25-120 | 8 | 25 | CS | |
| Dibenz(a,h)anthracene | 0.031 | 0.005 | mg/L | 0.0500 | | 62 | 25-120 | 8 | 25 | CS | |
| Benzo(g,h,i)perylene | 0.036 | 0.005 | mg/L | 0.0500 | | 73 | 20-120 | 9 | 25 | CS | |
| *Surrogate: 2-Fluorophenol* | *0.0231* | | mg/L | *0.100* | | *23* | *21-100* | | | | |
| *Surrogate: Phenol-d6* | *0.0168* | | mg/L | *0.100* | | *17* | *10-94* | | | | |
| *Surrogate: 2,4,6-Tribromophenol* | *0.0652* | | mg/L | *0.100* | | *65* | *10-123* | | | | |
| *Surrogate: Nitrobenzene-d5* | *0.0614* | | mg/L | *0.100* | | *61* | *35-114* | | | | |
| *Surrogate: 2-Fluorobiphenyl* | *0.0598* | | mg/L | *0.100* | | *60* | *43-116* | | | | |
| *Surrogate: p-Terphenyl-d14* | *0.0710* | | mg/L | *0.100* | | *71* | *33-141* | | | | |

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

4825 Ward Drive
Beaumont, TX 77705
(p) 409-842-0658
(f) 409-842-9793

| | | |
|---|---|---|
| Center Technical Environmental Health | Project: CTEH | |
| 5120 Northshore Drive | Project Number: 112312 | **Reported:** |
| N. Little Rock ARKANSAS, 72118 | Project Manager: Center Technical Environmental Health | 11/28/19 17:36 |

## Qualifiers, Definitions & Notes

**OQ3** **The Relative Percent Difference (RPD) for one or more analytes is outside of acceptance criteria established for this analysis method.**

**OQ2** **The Matrix Spike Recovery (MS/MSD) limits for one or more analytes in this sample were outside of the method default acceptance criteria due to required dilutions and/or matrix interferences.**

**OQ1** **The Laboratory Control Sample (LCS) had one or more analytes outside of the QC acceptance limits.**

| | | | |
|---|---|---|---|
| mg/L | milligrams per liter | < | Results are less than the reporting limit |
| mg/kg | milligrams per kilogram | ND | Non Detected at reporting limit |
| ug/g | microgram per gram | LCS | Laboratory Control Sample |
| ug/kg | microgram per kilogram | RPD | Relative Percent Difference |

All results are reported on a wet weight basis unless otherwise requested by the client.

If the Blank and/or LCS is qualified, a Case Narrative is included providing details for reporting decisions based on discussions of project management, technical operations and the end data user(Client).

MS/MSD and/or Surrogate results, that are qualified, are sample matrix driven anomalies and therefore, as defined by TNI Standards, not used to determine the validity of the analysis batch.

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Pace Analytical®
www.pacelabs.com

# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

2036141

**Section A** Required Client Information:

Company: CTEH
Address: 5120 Northshore Dr
N. Little Rock, AR 72118
Email To: labresults@cteh.com
Phone: 501 801 8500 Fax:
Requested Due Date/TAT: ASAP

**Section B** Required Project Information:

Report To: Linda Easton; Shawn Wnek
~~Copy To:~~ leaston@cteh.com
swnek@cteh.com
Purchase Order No.:
Project Name: TPC - Port Neches, TX
Project Number: 112312

**Section C** Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: TX

9K28007

**Section D** Required Client Information

Matrix Codes MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

| ITEM # | SAMPLE ID | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED Composite Start DATE | COLLECTED Composite Start TIME | COLLECTED Composite End/Grab DATE | COLLECTED Composite End/Grab TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Unpreserved | $H_2SO_4$ | $HNO_3$ | HCl | NaOH | $Na_2S_2O_3$ | Methanol | Other | Analysis Test (Y/N) 8260B (VOCs+TICs) | 8270C ("SIM") | 1005 (TPA-GRO) | 8015 (Ethylene Glycol) | Residual Chlorine (Y/N) | Pace Project No./ Lab I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -01 1 | PNTX1127Y001 | WT | G | 11-27-19 | 2300 | | | | 6 | 2 | | | 4 | | | | | X | X | X | X | | |
| -02 2 | PNTX1127TB001 | WT | G | 11-27-19 | — | | | | 1 | | | | 1 | | | | | X | X | X | X | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | |

| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| TOC analysis added per request. 11/28/19 SB | Cassie Smythe CTEH | 11-28-19 | 0815 | EAS | 11/28/19 | 0816 | 0.2°C | Y | N | Y |

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Cassie Smythe
SIGNATURE of SAMPLER: Cassie Smythe
DATE Signed (MM/DD/YY): 11-28-19

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007