LMS/PIN/N02130

Pinellas County, Florida, Site Environmental Restoration Project

Sitewide Environmental Monitoring Semiannual Progress Report for the Young - Rainey STAR Center

June Through November 2016

January 2017

U.S. DEPARTMENT OF ENERGY | Legacy Management

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Abbreviations

amsl	above mean sea level (feet)
cDCE	*cis*-1,2-dichloroethene
COPC	contaminant of potential concern
CTL	cleanup target level
1,1-DCE	1,1-dichloroethene
DOE	U.S. Department of Energy
EPA	U.S. Environmental Protection Agency
FDEP	Florida Department of Environmental Protection
RPD	relative percent difference
STAR Center	Young - Rainey Science, Technology, and Research Center
SWMU	solid-waste management unit
TCE	trichloroethene
TCOPC	total contaminants of potential concern
tDCE	*trans*-1,2-dichloroethene
VC	vinyl chloride

1.0 Introduction

The Young - Rainey STAR Center (Science, Technology, and Research Center) at the Pinellas County, Florida, Site is a former U.S. Department of Energy (DOE) facility constructed in the mid-1950s. The 96-acre STAR Center is located in Largo, Florida, and lies in the northeast quarter of Section 13, Township 30 South, Range 15 East (Figure 1). While it was owned by DOE, the purpose of the site was to develop and manufacture components for the nation's nuclear weapons program. In 1987, the U.S. Environmental Protection Agency (EPA) performed a Resource Conservation and Recovery Act Facility Assessment (EPA 1988) at the site to gather information on potential releases of hazardous materials.

In February of 1990, EPA issued a Hazardous and Solid Waste Amendments permit to DOE, requiring DOE to investigate and perform remediation activities in those areas designated as solid-waste management units (SWMUs) contaminated by hazardous materials resulting from DOE operations. A total of 17 SWMUs were identified and investigated at the STAR Center. By 1997, 13 of the 17 SWMUs had been remediated or approved for no further action.

More recently, the Florida Department of Environmental Protection (FDEP) executed Conditional Site Rehabilitation Completion Orders for the Northeast Site and the Wastewater Neutralization Area on July 27, 2016, stating that no further action is required for those SWMUs. The Building 100 Area (a combination of the Old Drum Storage Site and the Building 100-Industrial Drain Leaks SWMUs) comprises the only two active SWMUs at the STAR Center (Figure 2). This document serves as the semiannual progress report for the SWMUs by providing the results of recent monitoring activities and a summary of ongoing and projected work.

The STAR Center is owned by the Pinellas County Industrial Development Authority, but DOE is responsible for remediation activities at the site. Additional background information for the site is contained in the *Long-Term Surveillance and Maintenance Plan for the Pinellas Site* (DOE 2016a). That document and other site-related documents can be accessed at this website: http://www.lm.doe.gov/Pinellas/Sites.aspx.

1.1 Building 100 Area Background

This section briefly describes relatively recent work at the Building 100 Area. Additional background information for the Building 100 Area is contained in the *Long-Term Surveillance and Maintenance Plan for the Pinellas Site* (DOE 2016a).

The *Building 100 Area Site Assessment Report* (DOE 2012) summarized the results of contaminant plume delineation work conducted at the Building 100 Area and the adjacent properties from 2007 to 2012. The *Interim Corrective Measure Work Plan for Source and Plume Treatment at the Building 100 Area* (DOE 2014) was submitted to FDEP on October 2, 2014. That document described the approach for implementing bioinjection at the Building 100 Area. The objective of the bioinjection work was to inject emulsified vegetable oil (EVO) and the microorganism *Dehalococcoides mccartyi* (formerly known as *Dehalococcoides ethenogenes*) to enhance contaminant biodegradation in (1) the dissolved-phase contaminant plumes downgradient from the building on the STAR Center property, (2) the dissolved-phase

contaminant plumes located on the offsite properties, and (3) the contaminant source areas and the high-concentration dissolved-phase contaminant plumes beneath the building.

Bioinjection was conducted (1) in the dissolved-phase plumes on the STAR Center property in October and November 2014, (2) on three offsite properties in February 2015, and (3) using the horizontal wells beneath the building in November 2015 (Figure 3). Monitoring to evaluate the performance of these actions was initiated starting with the March 2015 sampling event.

1.2 Site Update

The following tasks were accomplished during the June through November 2016 period.

- The sitewide semiannual sampling event was conducted September 6–14, 2016. This event consisted of collection of water samples from 96 monitoring wells at the Building 100 Area. Water-level measurements were obtained from all accessible monitoring wells and ponds on September 7.
- A total of 25 monitoring wells were abandoned in late June. This included all 20 remaining wells at the Wastewater Neutralization Area and Northeast Site and 5 wells that were no longer needed at the Building 100 Area. Well PIN15-0513, screened in the Floridan aquifer at the Northeast Site, remained in place and its ownership was transferred from DOE to the property owner.
- The *Bioinjection Performance Review for the Building 100 Area and 4.5 Acre Site at the Pinellas County, Florida, Site* (DOE 2016b) was submitted to FDEP in early June. That document revised the bioinjection layout and bioinjection intervals for the Essentra property that were originally described in the *Interim Corrective Measure Work Plan for Source and Plume Treatment at the Building 100 Area* (DOE 2014).
- The *Addendum to the Interim Corrective Measure Work Plan for Source and Plume Treatment at the Building 100 Area* (DOE 2016c) was submitted to FDEP in late August. That document proposed additional bioinjection beneath the building, in the onsite plumes, and in the offsite plumes.
- A letter updating the bioinjection layout that was described in the *Addendum to the Interim Corrective Measure Work Plan for Source and Plume Treatment at the Building 100 Area* (DOE 2016b) was submitted to FDEP in mid-October. FDEP approved the bioinjection action on October 27.

1.3 Waste Minimization

The following materials were recycled at the Pinellas site from June through November 2016:

- 33 pounds of paper
- 17 pounds of cardboard
- 10 pounds of plastic
- 11 pounds of magazines
- 2 pounds of aluminum
- 3 pounds of glass

- 5000-pound metal air stripper
- 88 bladder pumps removed from the Pinellas site and reused within DOE

2.0 Water-Level Elevations

Depth-to-water measurements were taken at all accessible monitoring wells, piezometers, and ponds (including two offsite ponds) at the STAR Center on September 7, 2016. The water levels were measured with an electronic water-level indicator or directly from a staff gauge. Groundwater elevations are listed in Table 1.

Groundwater and surface water elevations were used to construct sitewide groundwater contour maps of the shallow and deep surficial aquifers (Plates 1 and 2, respectively). Individual contour maps were also constructed for the shallow and deep surficial aquifers at the Building 100 Area (Figures 4 and 5).

For the past several years, shallow groundwater beneath Building 100 has been observed to flow to the southeast under a very slight gradient, and this flow pattern was observed again in September 2016 (Figure 4). A similar flow pattern was observed in the deep surficial aquifer (Figure 5). The hydraulic gradient in the Building 100 Area in September 2016 was about 0.002 foot/foot onsite and about 0.004 foot/foot offsite to the south. At the south end of the south plume the hydraulic gradient was about 0.008, likely due to significant rainfall during the previous week. On the basis of calculations using Darcy's law, along with approximations of 1 foot/day for hydraulic conductivity and 0.3 for effective porosity, groundwater velocity in this area is estimated to be about 2.4 feet/year onsite and about 5–10 feet/year offsite to the south.

Surface water elevations were recorded in September 2016 from the South, Southwest, and West Ponds and Pond 5 (Table 2). Water levels could not be measured at one of the Pond 5 staff gauges, P502, and at the pond east of Belcher Road. All the ponds are hydraulically connected to the shallow surficial aquifer system (Plate 1).

3.0 Groundwater Sampling

3.1 Work Performed

During the semiannual sampling event at the STAR Center in September 2016, groundwater samples were collected from 96 monitoring wells at the Building 100 Area. Wells PIN12-S67B, PIN12-S67C, and PIN12-S67D were not sampled in September to avoid interference with activities inside the building. Analytical results are discussed in Section 4.0.

The Building 100 Area contaminants of potential concern (COPCs) are trichloroethene (TCE), *cis*-1,2-dichloroethene (cDCE), *trans*-1,2-dichloroethene (tDCE), 1,1-dichloroethene (1,1-DCE), vinyl chloride (VC), and 1,4-dioxane. Figures 6–14 are plume maps for the Building 100 Area for September 2016. Figures 6 and 7 show the total COPCs (TCOPCs) concentrations. TCOPCs is the sum of the individual COPC concentrations for each well. Figures 8–14 show the plumes

for the individual COPCs; plume maps for tDCE and 1,1-DCE are not shown because these COPCs rarely exceed the cleanup target level.

All samples were collected in accordance with the *Sampling and Analysis Plan for U.S. Department of Energy Office of Legacy Management Sites* (LMS/PRO/S04351), using FDEP procedures. All monitoring wells were micropurged using high-density polyethylene tubing or dedicated Teflon tubing in the well and a peristaltic pump at the surface, and sampling was performed when the field measurements stabilized, in accordance with FDEP procedures.

All samples were submitted to TestAmerica Laboratories in Denver, Colorado, for analysis. TestAmerica Denver is accredited by the Florida Department of Health in accordance with the National Environmental Laboratory Accreditation Conference (certification number E87667). Volatile organic compounds were analyzed in these samples using EPA SW-846 method 8260B, and 1,4-dioxane was analyzed in the same samples using EPA method 8260B SIM. Laboratory reports for September 2016 are provided in Appendix A.

Table 3 lists field measurements of temperature, specific conductance, turbidity, pH, oxidation–reduction potential, and dissolved oxygen recorded at the time the samples were collected. Measurements were made using a calibrated multiparameter meter with a flow cell, and turbidity was measured using a nephelometer.

3.2 Quality Assurance/Quality Control

The results from the analytical laboratory, TestAmerica Denver, were checked for quality assurance/quality control through duplicate samples, trip blanks, and equipment blanks. The duplicate sample results were compared, and the relative percent differences (RPDs) between the results were calculated (Table 4).

1,4-Dioxane in well PIN12-0582-2 had an RPD value that exceeded the EPA-recommended laboratory duplicate criterion of less than 20 RPD for results that are greater than 5 times the method detection limit. There is no explanation for this poor RPD value. This result was "J" qualified as an estimated value due to the poor RPD value.

As specified in the *Sampling and Analysis Plan for U.S. Department of Energy Office of Legacy Management Sites*, duplicate samples should be collected at a frequency of 1 duplicate for every 20 or fewer samples. For the STAR Center, 96 samples and 5 duplicates were collected for both volatiles and 1,4-dioxane analysis. The duplicate requirements for this sampling event were met. Four trip blanks and four equipment blanks also were collected during this event.

A data validation software module for identifying and tracking anomalous groundwater data was used to generate a report of analytical results that fall outside of historical minimum or maximum values. No anomalous results were identified.

4.0 Performance Monitoring

As described in Section 1.1, the injection of EVO and the *Dehalococcoides mccartyi* microorganism was conducted in the onsite plumes in October and November 2014, in the offsite plumes in February 2015, and beneath the building in November 2015 (Figure 3). Due to the amendment injections, performance monitoring of enhanced bioremediation at the Building 100 Area has replaced plume stability monitoring, starting with the March 2015 sampling event. COPC concentrations since March 2014 are provided in Table 5.

Figures 15–18 are time-concentration plots for wells in or near the centerline of the south plume. Significant concentration decreases after EVO injection are evident in all four wells.
Figures 19–21 are time-concentration plots for wells in or near the centerline of the east plume. Well 0580-2 is about 40 feet from the nearest EVO injection point, and no decrease in COPC concentrations is observed in this well, probably because the effects created by the injection have not yet reached this well. Well 0582-2 is about 25 feet from the nearest injection point, and cDCE and VC concentrations decreased in this well following injection. Well 0576-2 is close to the injection points, but no concentration decrease is evident. Performance monitoring will continue with the next sampling event.

5.0 Upcoming Tasks

The following tasks are planned for the next semiannual period (December 2016 through May 2017):

- EVO and the microorganism *Dehalococcoides mccartyi* will be injected beneath Building 100 and in the onsite and offsite plumes in the January through March period.
- The March semiannual sampling event may be significantly reduced because most monitoring wells could be negatively impacted by the EVO injection.

6.0 References

DOE (U.S. Department of Energy), 2012. *Building 100 Area Site Assessment Report*, LMS/PIN/N01747, Office of Legacy Management, Grand Junction, Colorado, August.

DOE (U.S. Department of Energy), 2014. *Interim Corrective Measure Work Plan for Source and Plume Treatment at the Building 100 Area*, LMS/PIN/N01868, Office of Legacy Management, October.

DOE (U.S. Department of Energy), 2016a. *Long-Term Surveillance and Maintenance Plan for the Pinellas Site*, LMS/PIN/N01058, Office of Legacy Management, September.

DOE (U.S. Department of Energy), 2016b. *Bioinjection Performance Review for the Building 100 Area and 4.5 Acre Site at the Pinellas County, Florida, Site*, LMS/PIN/N02091, Office of Legacy Management, June.

DOE (U.S. Department of Energy), 2016c. *Addendum to the Interim Corrective Measure Work Plan for Source and Plume Treatment at the Building 100 Area*, LMS/PIN/N02121, Office of Legacy Management, September.

EPA (U.S. Environmental Protection Agency), 1988. *RCRA Facility Assessment Department of Energy—Fl6 890 090 008*, June.

Sampling and Analysis Plan for U.S. Department of Energy Office of Legacy Management Sites, LMS/PRO/S04351, continually updated, prepared by Navarro Research and Engineering, Inc., for the U.S. Department of Energy Office of Legacy Management.

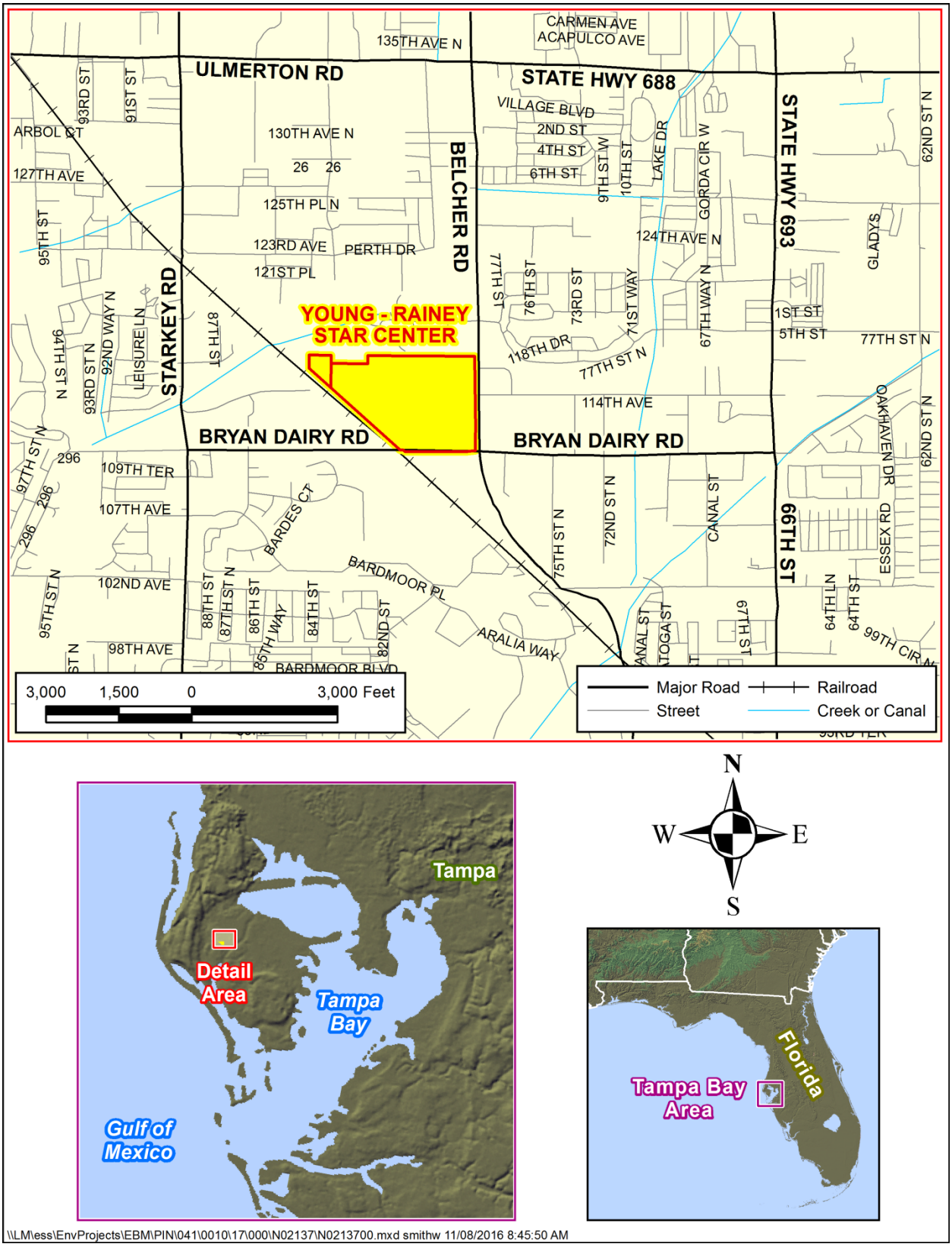

Figure 1. Young - Rainey STAR Center Location

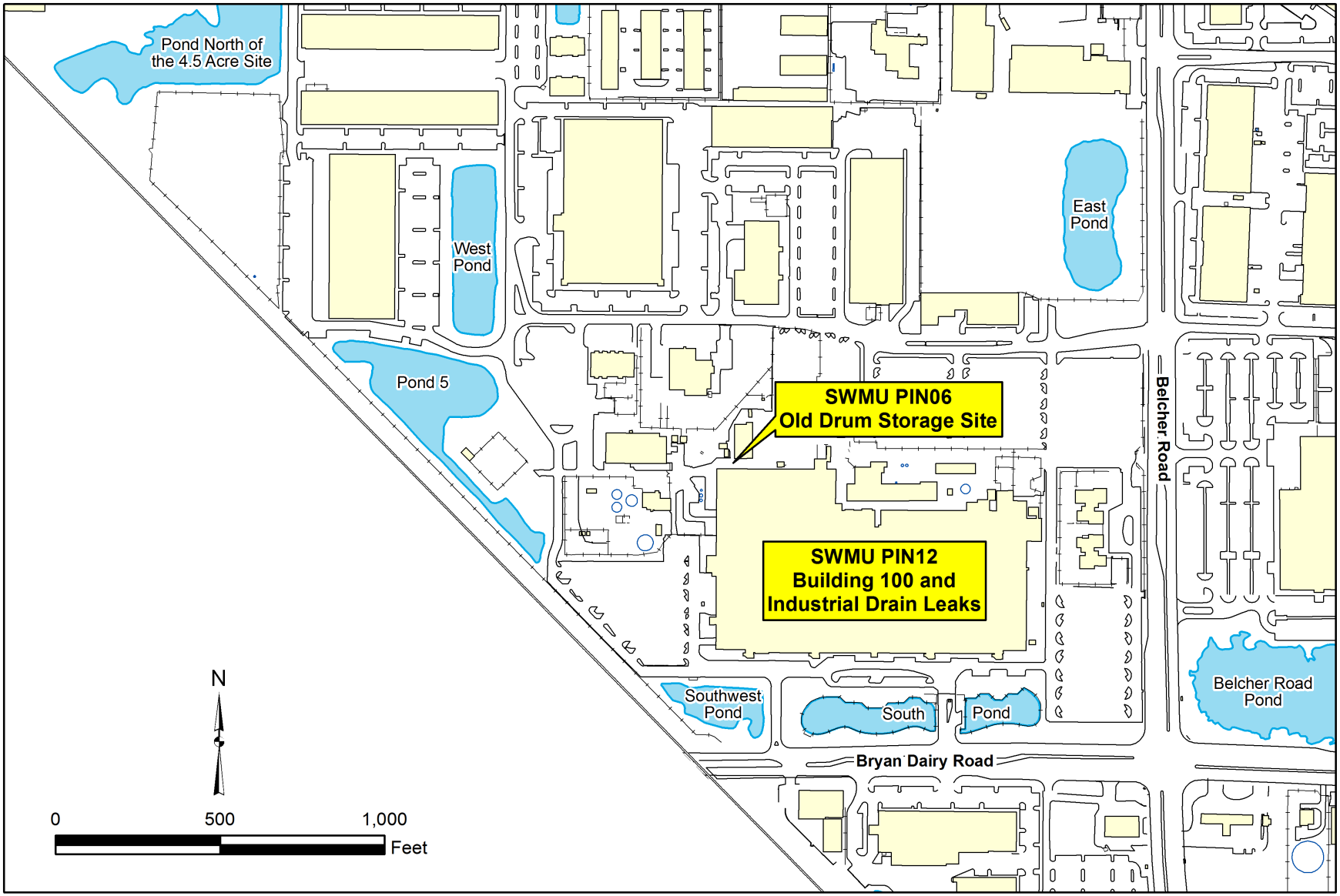

Figure 2. Location of STAR Center Solid-Waste Management Units

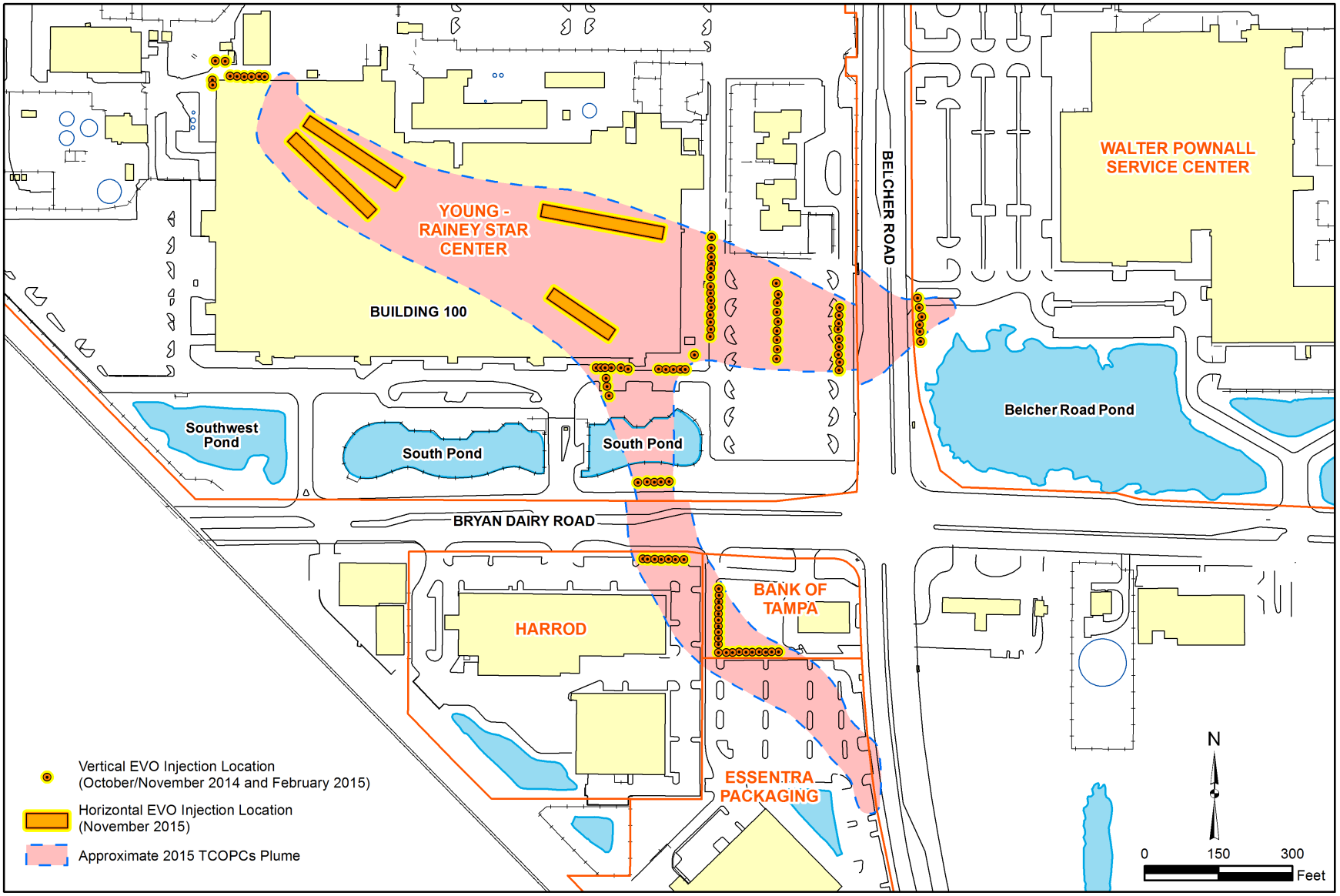

Figure 3. EVO Injection Locations

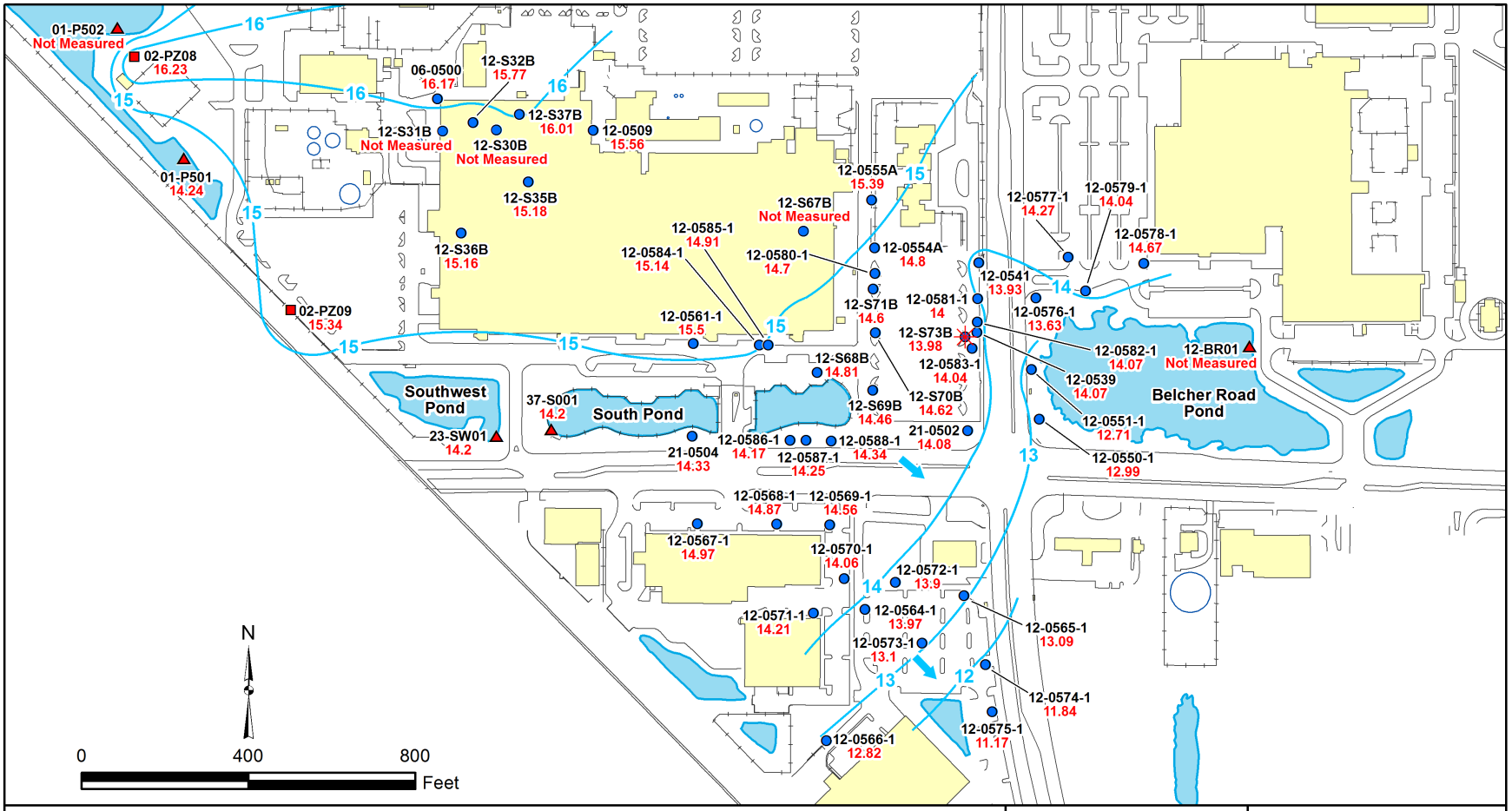

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Figure 4. Building 100 Area Shallow Surficial Aquifer Flow, September 2016

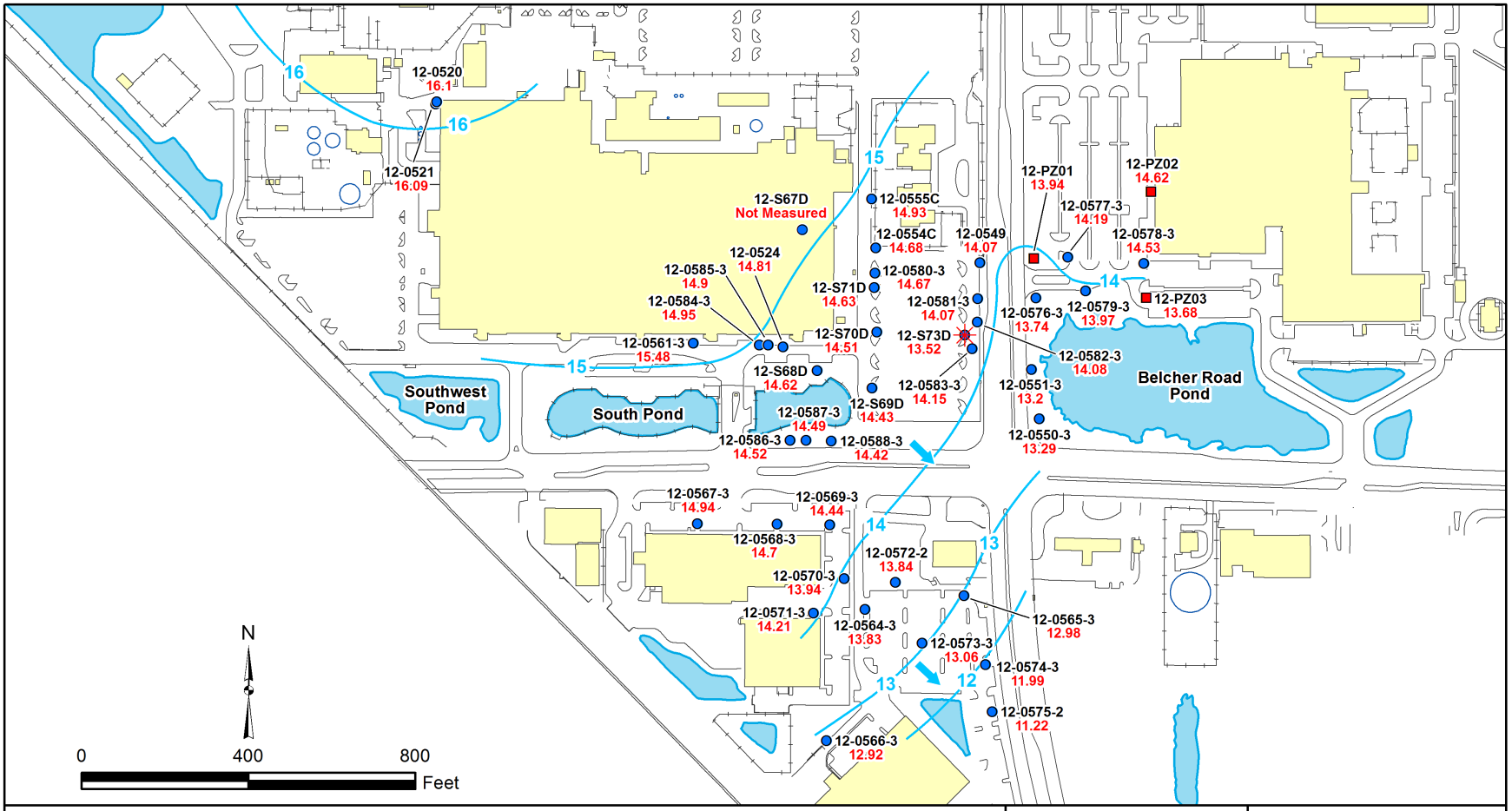

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Figure 5. Building 100 Area Deep Surficial Aquifer Flow, September 2016

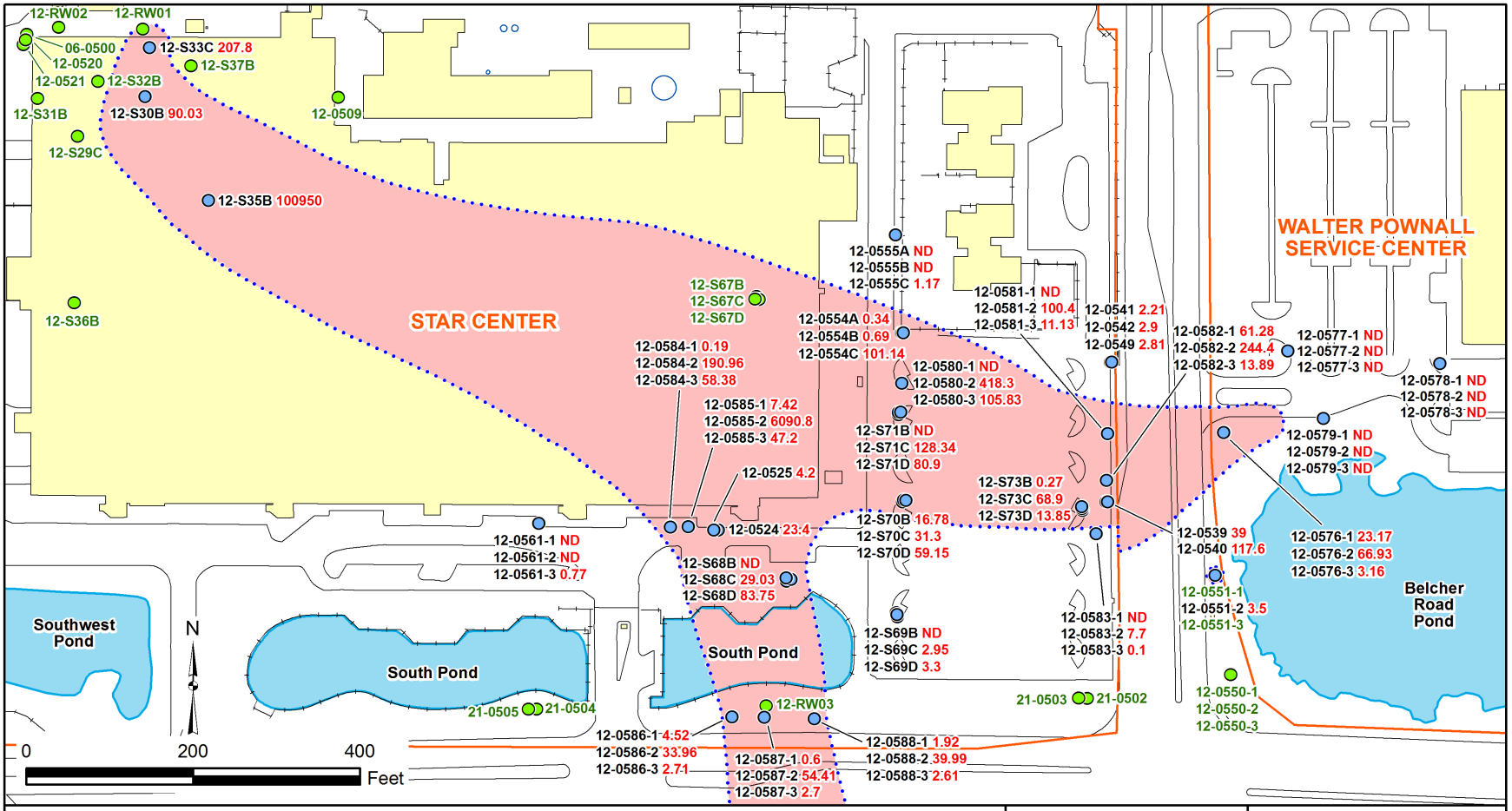


Figure 6. Building 100 Area TCOPCs Concentrations, September 2016

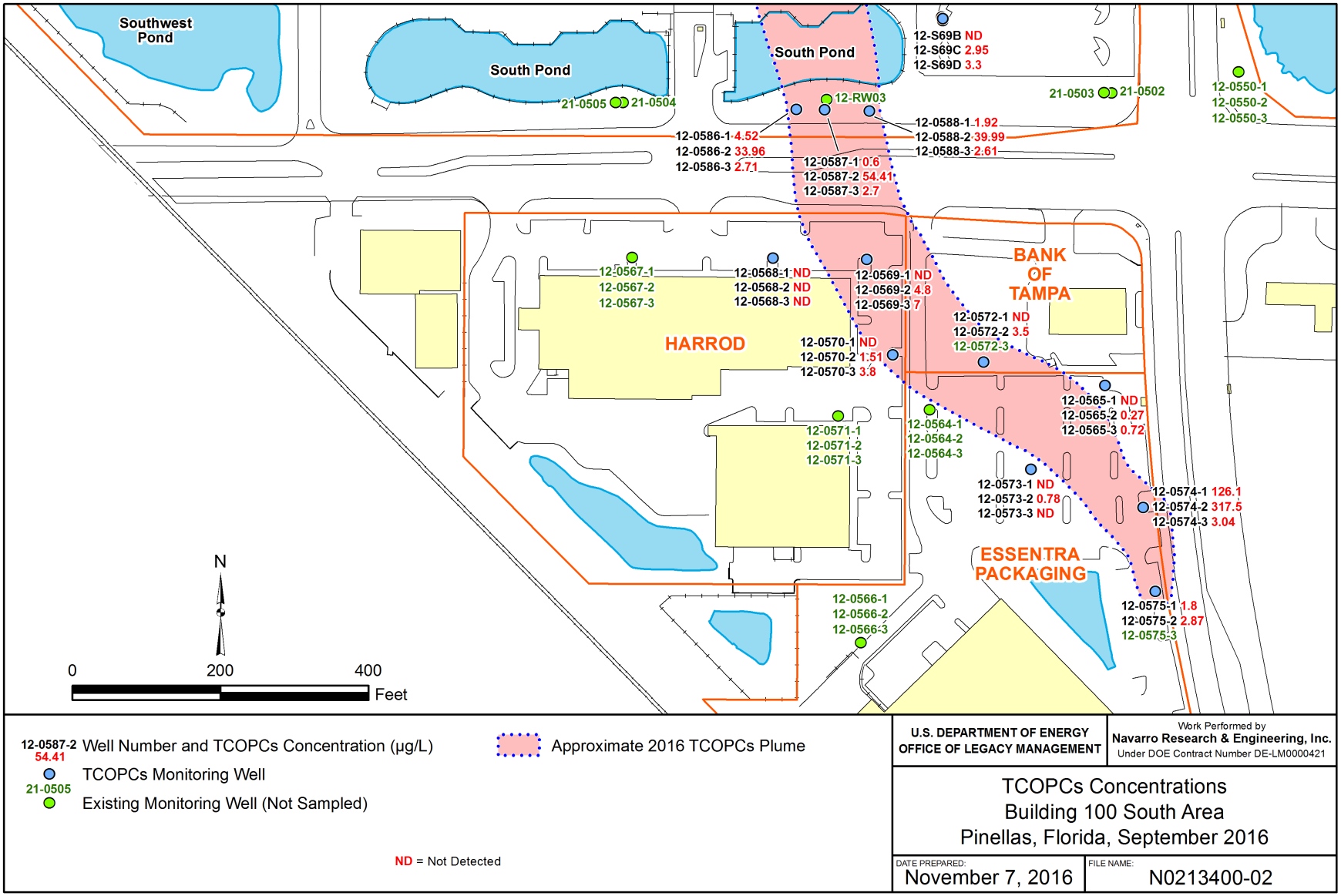


Figure 7. Building 100 Area South TCOPCs Concentrations, September 2016

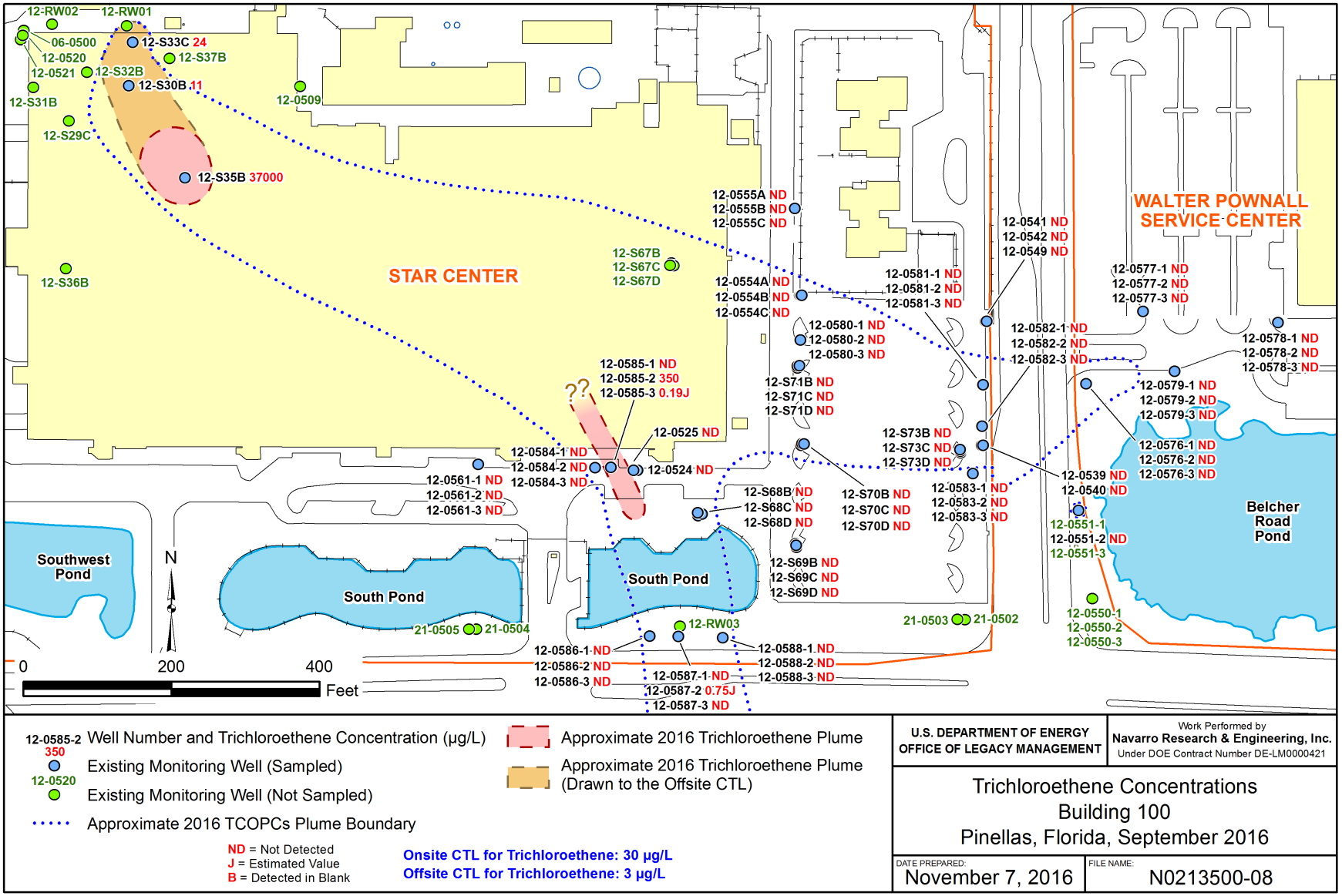


Figure 8. Building 100 Area TCE Concentrations, September 2016

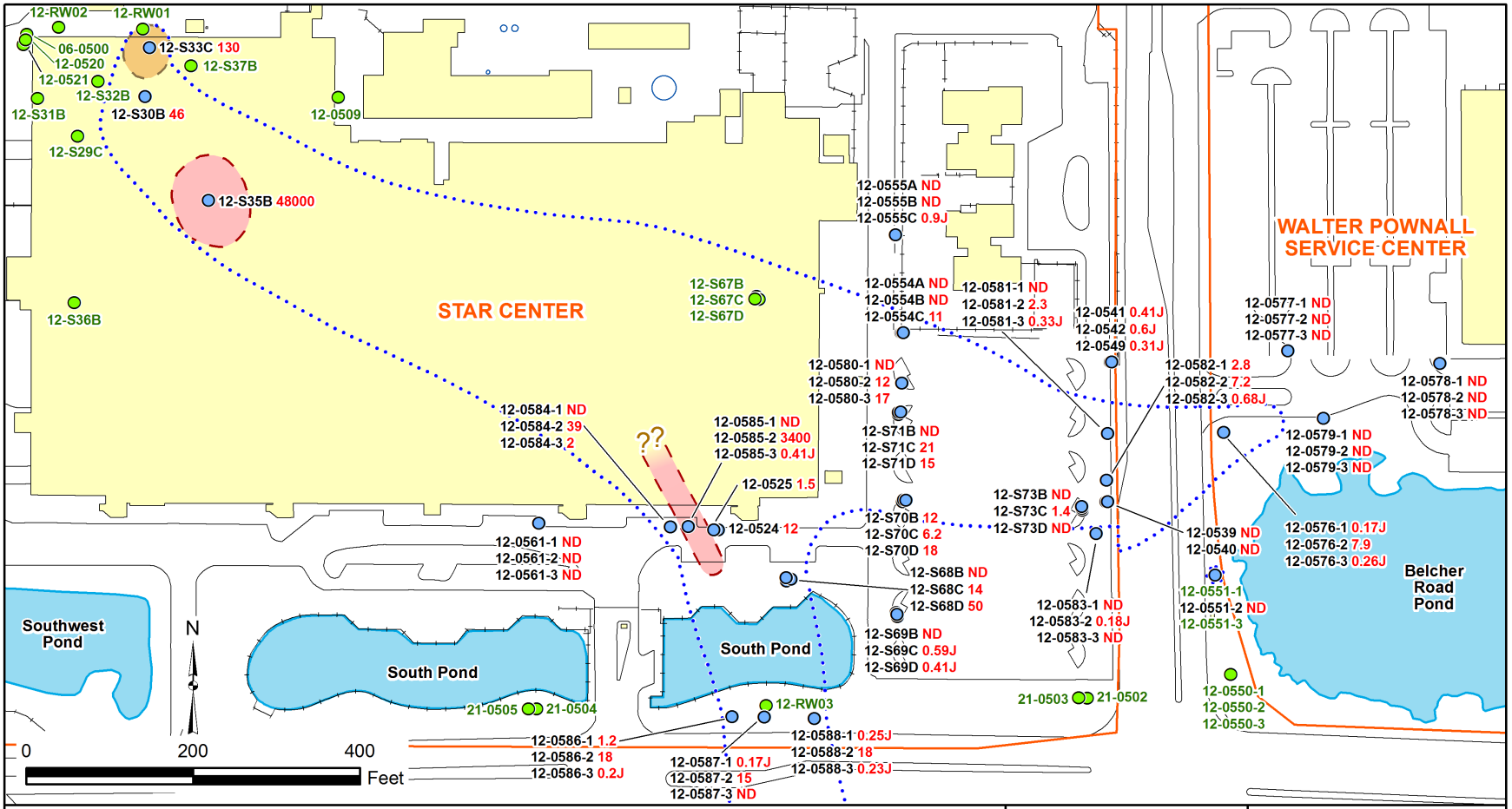


Figure 9. Building 100 Area cDCE Concentrations, September 2016

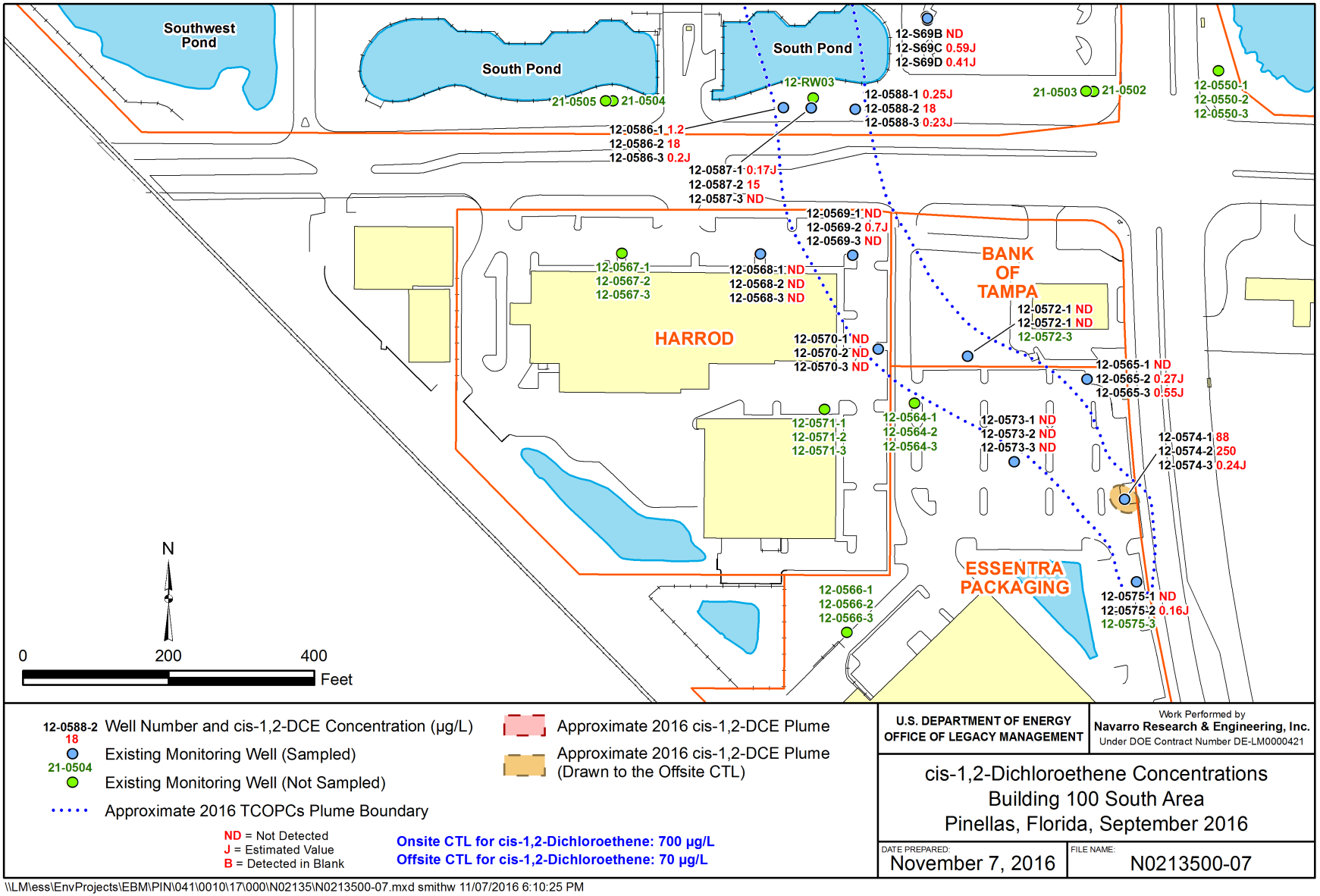


Figure 10. Building 100 Area South cDCE Concentrations, September 2016

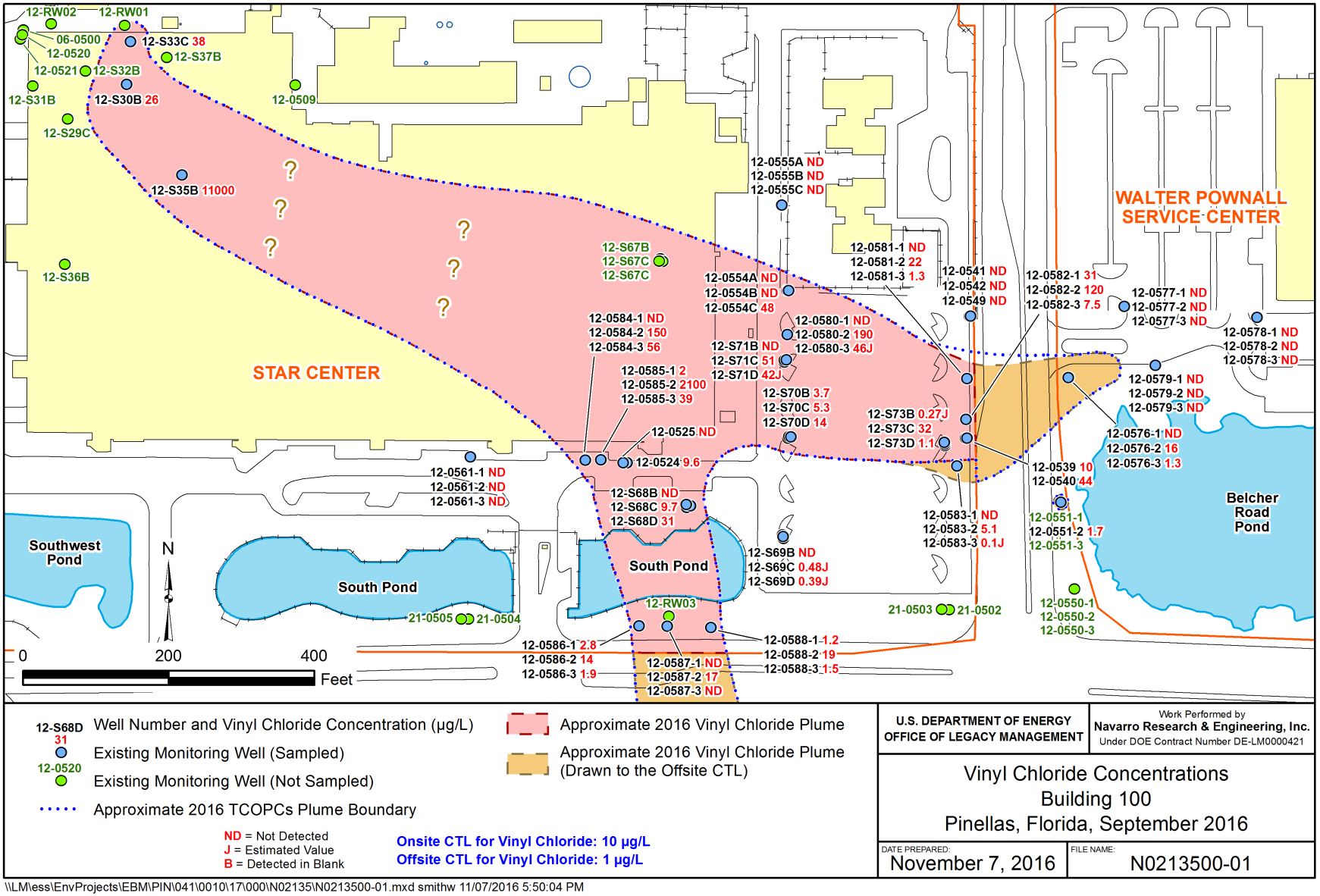


Figure 11. Building 100 Area VC Concentrations, September 2016

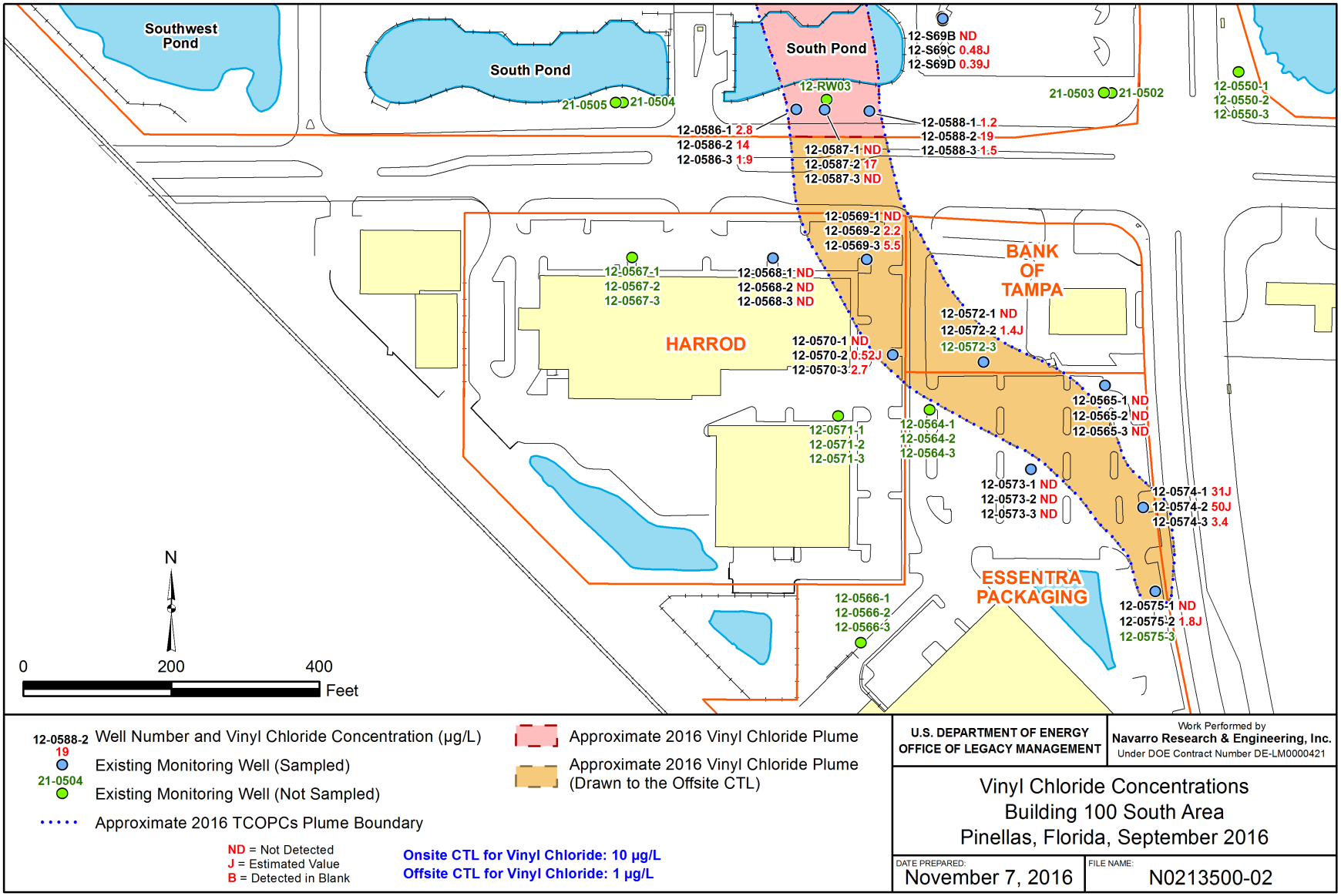


Figure 12. Building 100 Area South VC Concentrations, September 2016

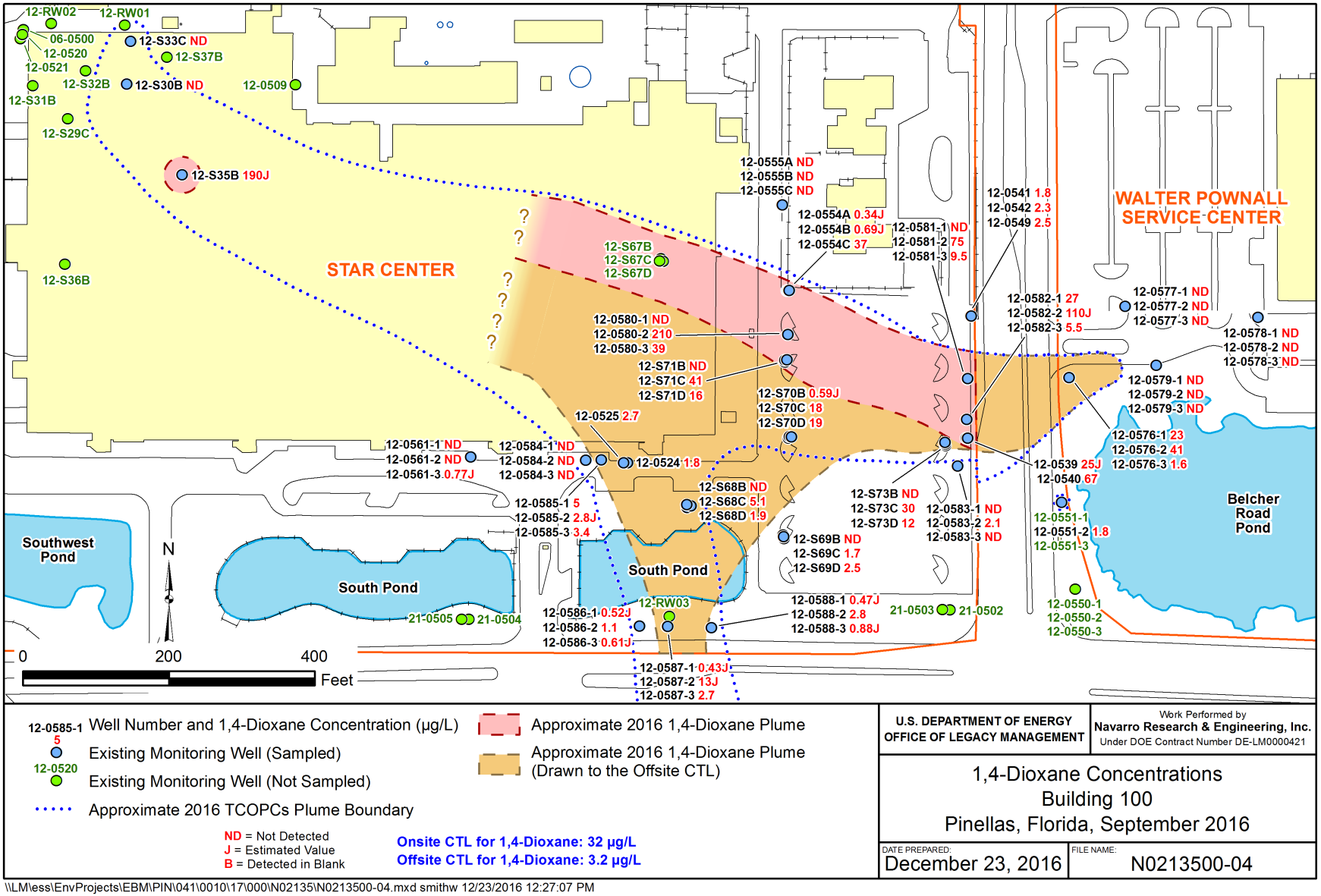


Figure 13. Building 100 Area 1,4-Dioxane Concentrations, September 2016

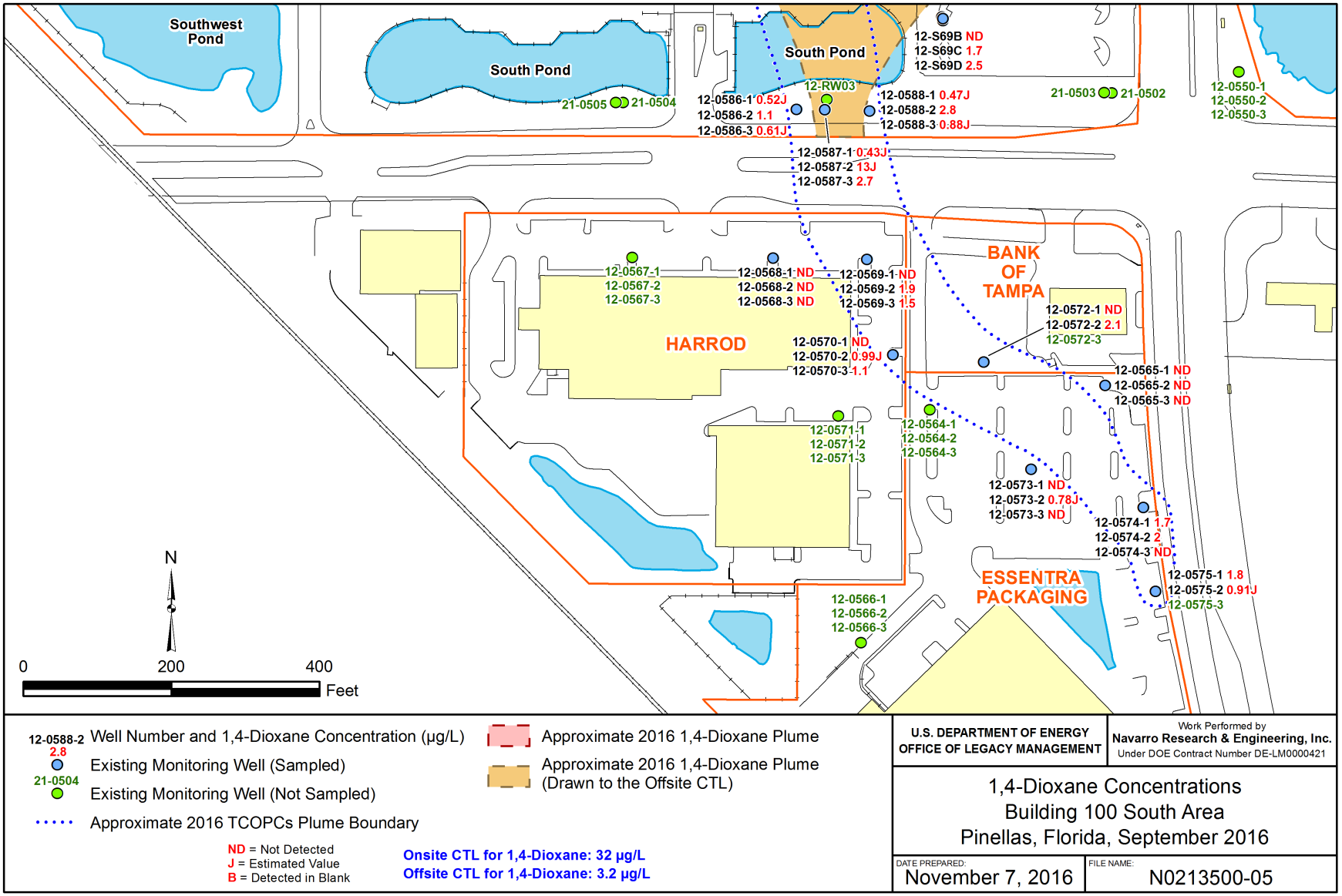


Figure 14. Building 100 Area South 1,4-Dioxane Concentrations, September 2016

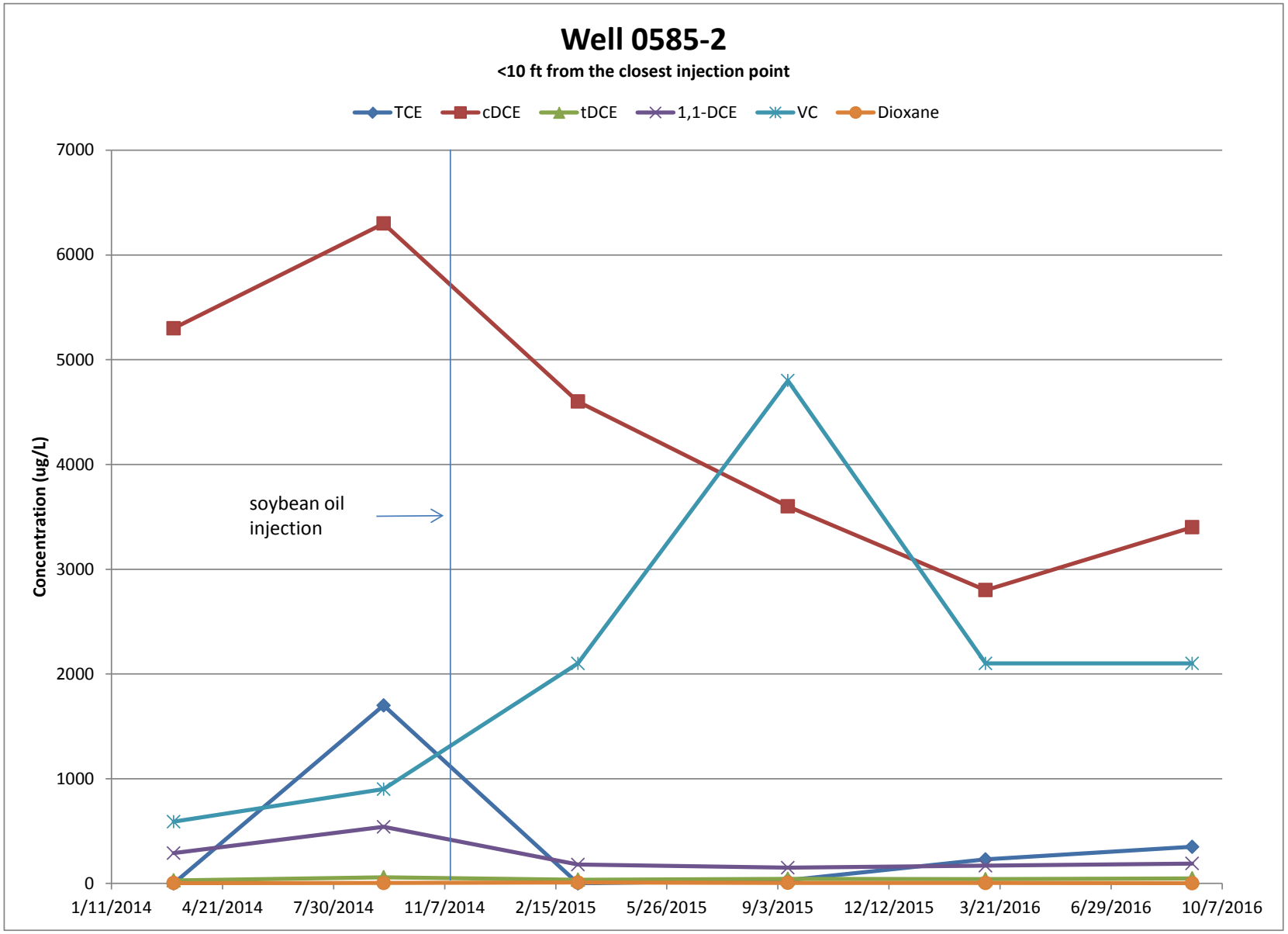


Figure 15. COPC Trends in Well PIN12-0585-2

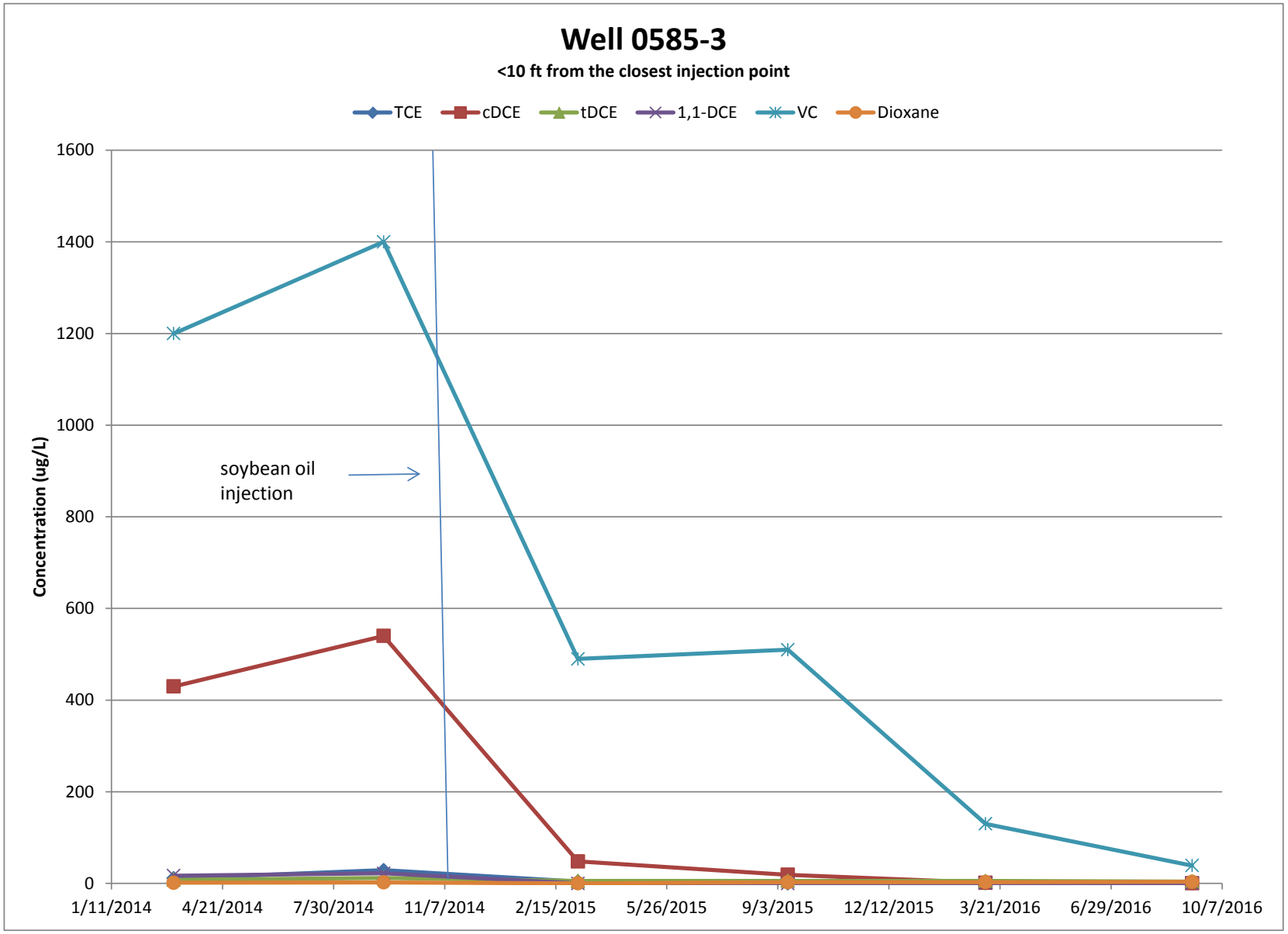


Figure 16. COPC Trends in Well PIN12-0585-3

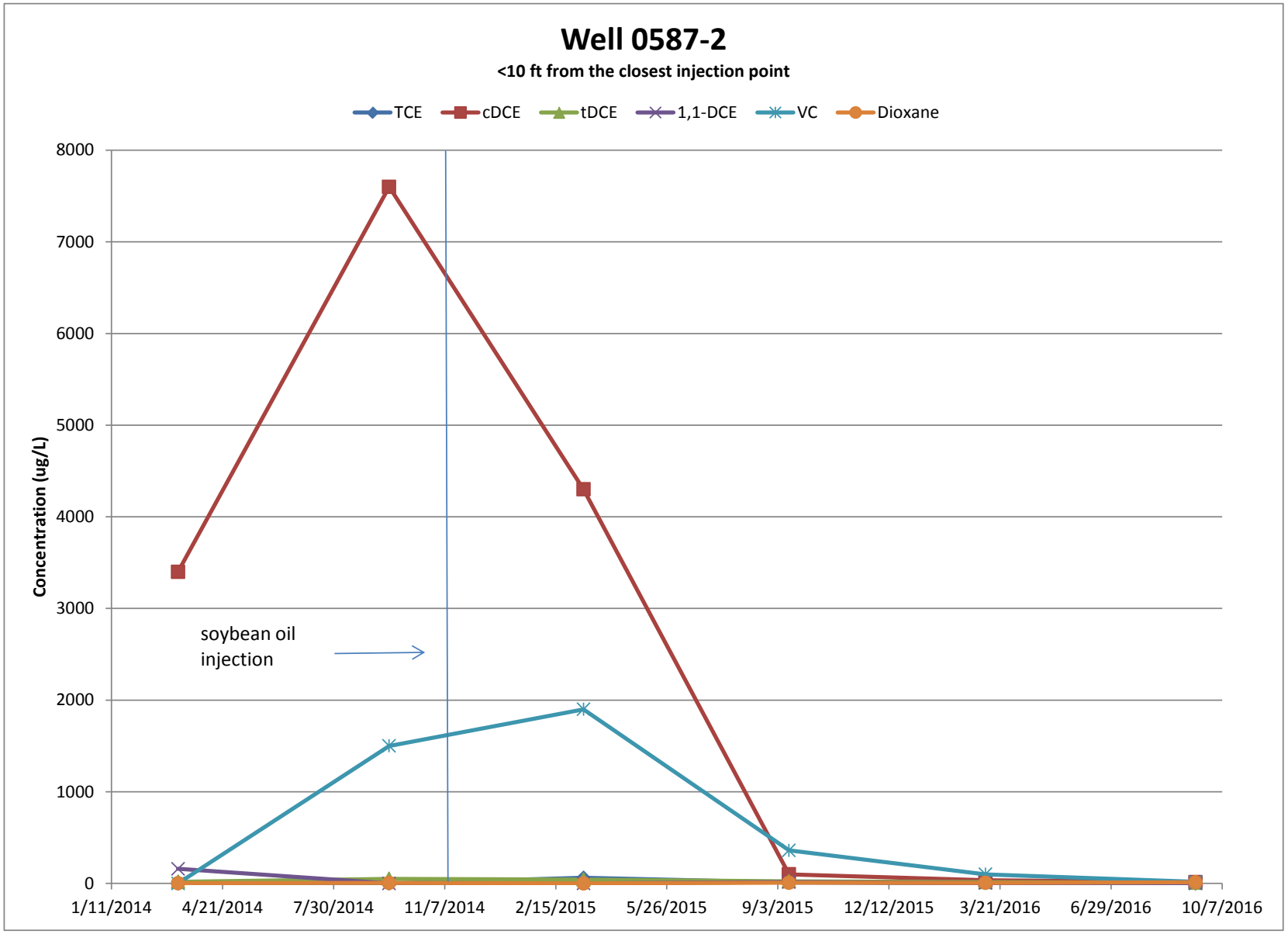


Figure 17. COPC Trends in Well PIN12-0587-2

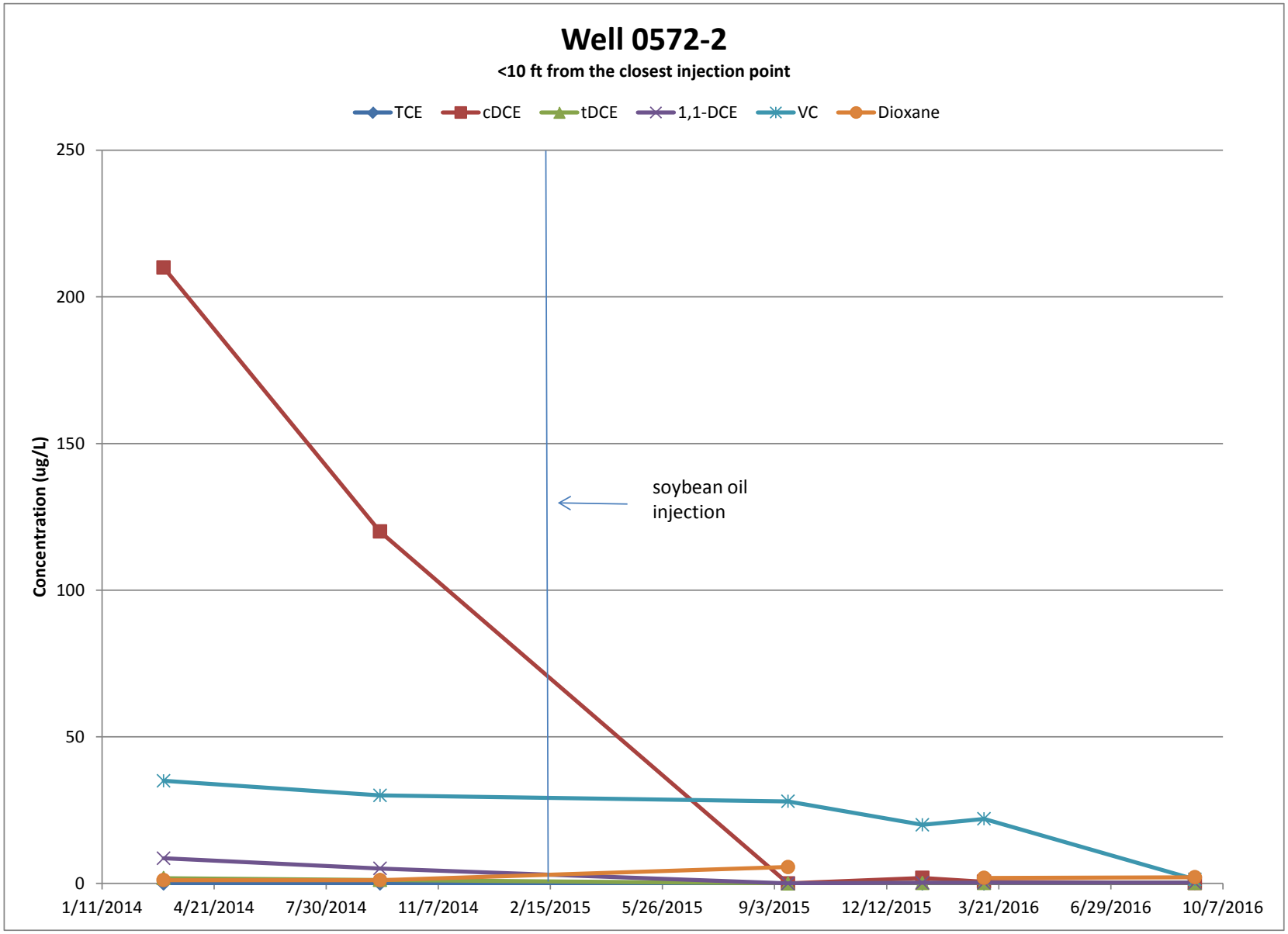


Figure 18. COPC Trends in Well PIN12-0572-2

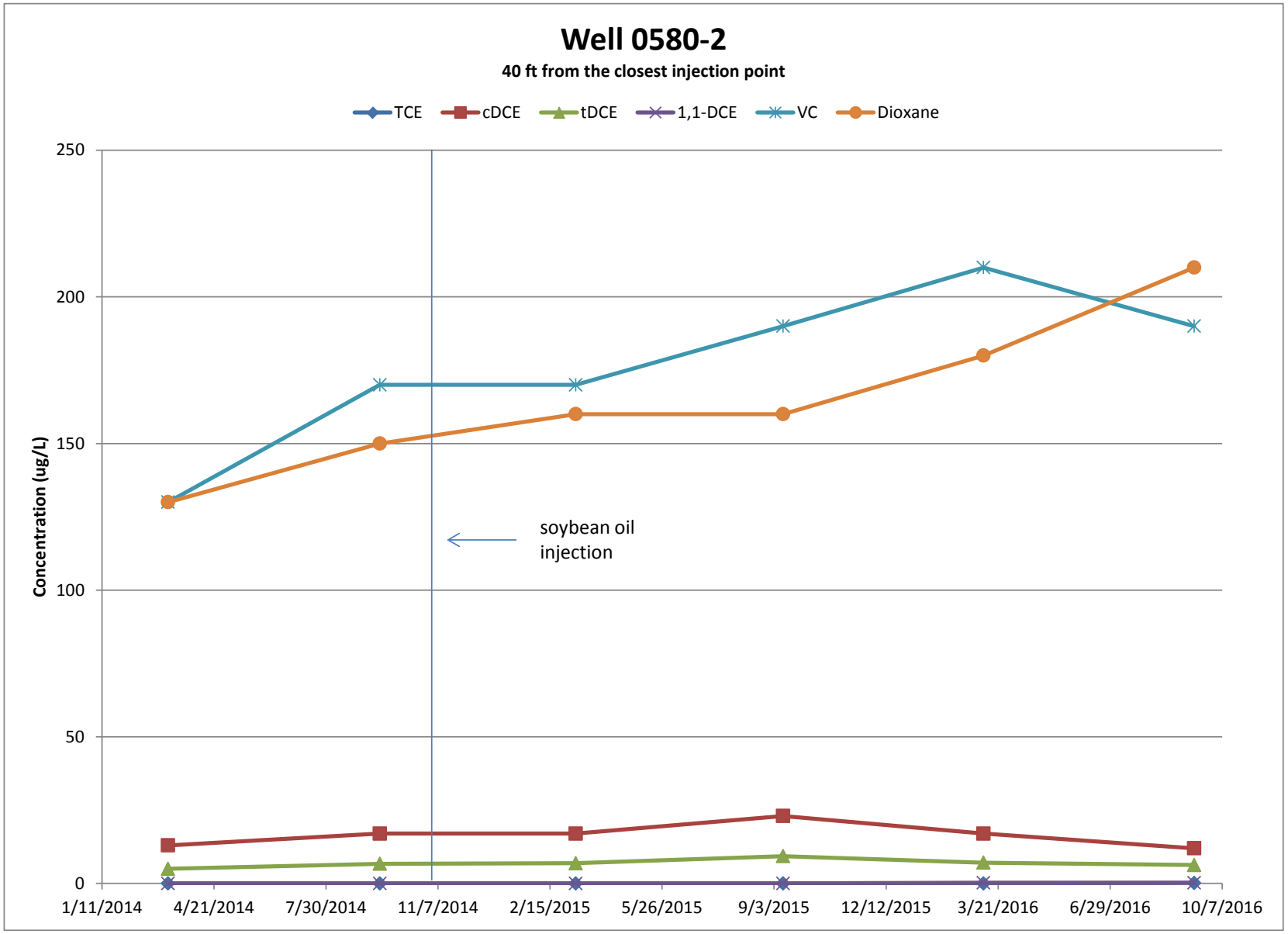


Figure 19. COPC Trends in Well PIN12-0580-2

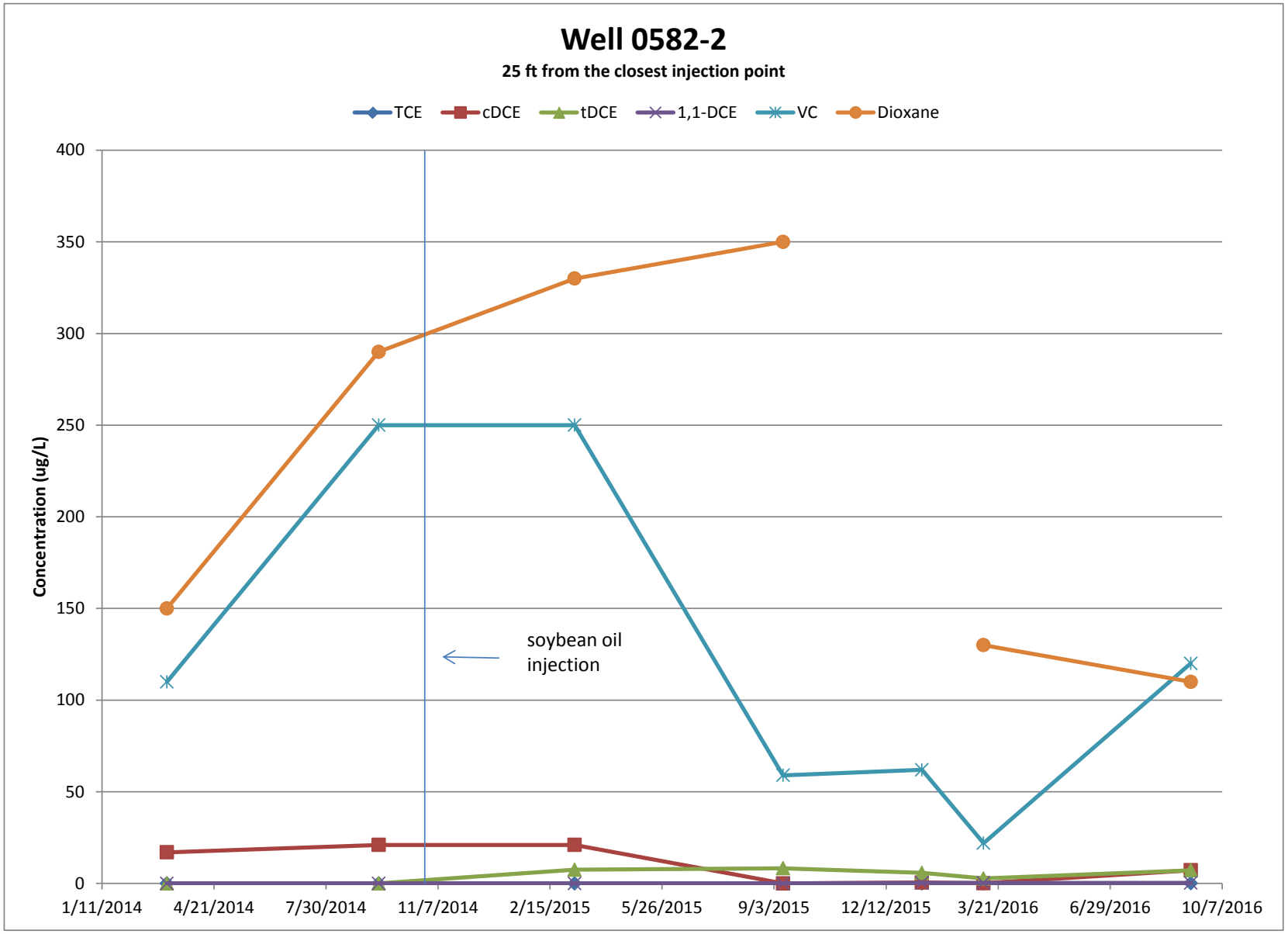


Figure 20. COPC Trends in Well PIN12-0582-2

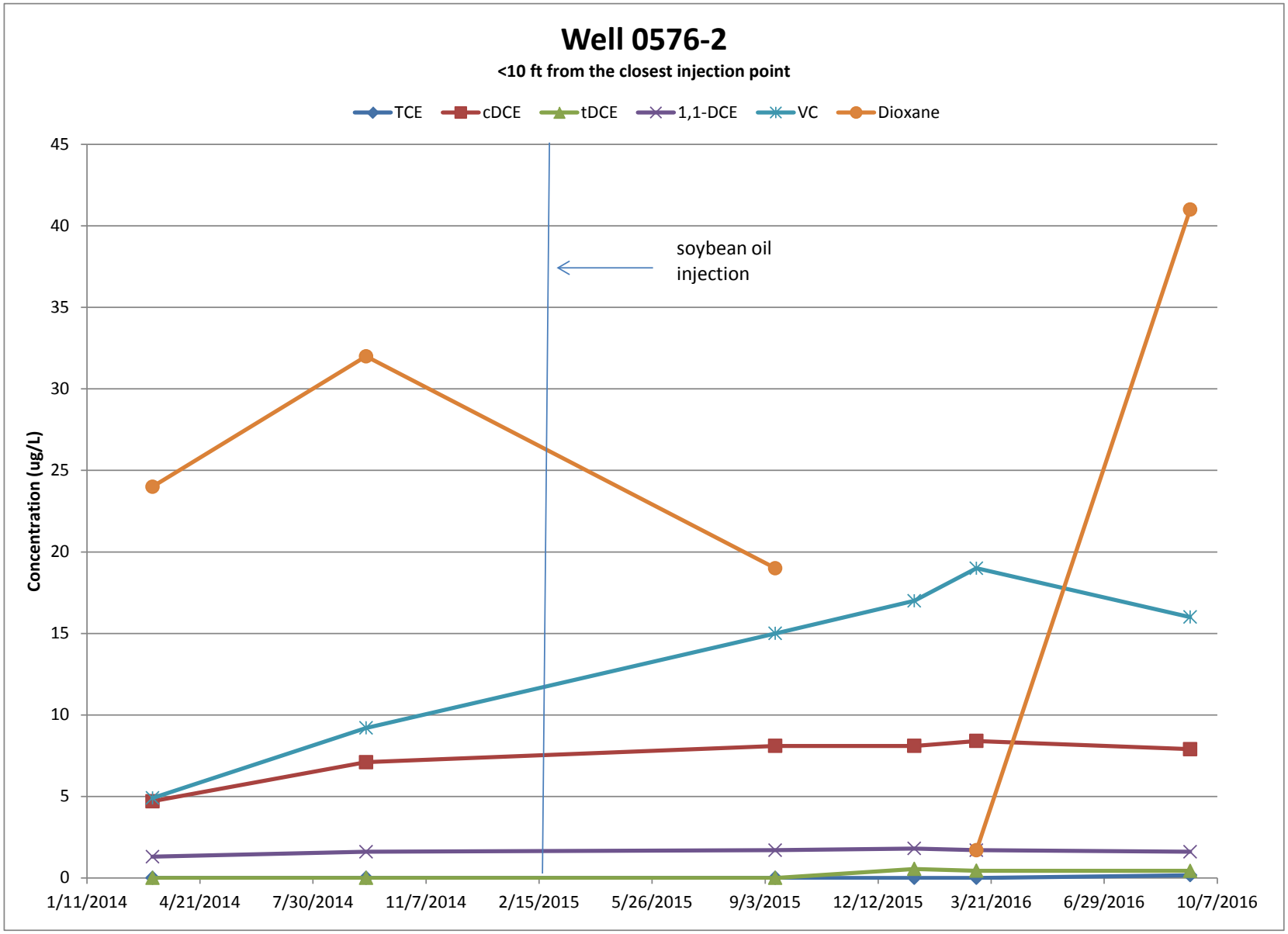


Figure 21. COPC Trends in Well PIN12-0576-2

Table 1. Groundwater-Level Data at the STAR Center, September 2016

Location	Measurement		Water Depth (ft bls)	Groundwater Elevation (ft amsl)
	Date	Time		
PIN02	**Sitewide Piezometers**			
PZ03	9/7/2016	09:31	2.29	17.41
PZ04	9/7/2016	09:49	0.78	17.42
PZ05	9/7/2016	09:08	2.41	15.69
PZ08	9/7/2016	13:37	2.17	16.23
PZ09	9/7/2016	13:49	2.66	15.34
PZ10	9/7/2016	09:15	3.91	14.97
PZ11	9/7/2016	09:27	2.83	16.05
PIN06	**Building 100 Area**			
0500	9/7/2016	12:46	1.83	16.17
PIN12				
0509	9/7/2016	11:20	2.48	15.56
0520	9/7/2016	12:44	1.91	16.10
0521	9/7/2016	12:33	1.96	16.09
0524	9/7/2016	15:00	2.60	14.81
0525	9/7/2016	15:07	3.20	14.22
0539	9/7/2016	14:04	2.53	14.07
0540	9/7/2016	14:11	2.04	14.06
0541	9/7/2016	13:45	3.73	13.93
0542	9/7/2016	13:48	3.62	14.08
0549	9/7/2016	13:49	3.59	14.07
0550-1	9/7/2016	11:01	1.71	12.99
0550-2	9/7/2016	11:03	1.47	13.23
0550-3	9/7/2016	11:03	1.41	13.29
0551-1	9/7/2016	13:27	2.69	12.71
0551-2	9/7/2016	13:28	2.79	12.61
0551-3	9/7/2016	13:28	2.20	13.20
0554A	9/7/2016	13:46	3.44	14.80
0554B	9/7/2016	13:47	3.53	14.71
0554C	9/7/2016	13:50	3.56	14.68
0555A	9/7/2016	13:08	2.50	15.39
0555B	9/7/2016	13:27	2.94	14.95
0555C	9/7/2016	13:29	2.96	14.93
0561-1	9/7/2016	14:46	2.72	15.50
0561-2	9/7/2016	14:59	2.86	15.36
0561-3	9/7/2016	14:59	2.74	15.48
0564-1	9/7/2016	12:17	1.53	13.97
0564-2	9/7/2016	12:30	1.64	13.86
0564-3	9/7/2016	12:31	1.67	13.83
0565-1	9/7/2016	11:03	2.61	13.09

Table 1 (continued). Groundwater-Level Data at the STAR Center, September 2016

Location	Measurement		Water Depth (ft bls)	Groundwater Elevation (ft amsl)
	Date	Time		
0565-2	9/7/2016	11:11	2.71	12.99
0565-3	9/7/2016	11:12	2.72	12.98
0566-1	9/7/2016	10:02	2.78	12.82
0566-2	9/7/2016	10:28	2.66	12.94
0566-3	9/7/2016	10:30	2.68	12.92
0567-1	9/7/2016	08:05	3.29	14.97
0567-2	9/7/2016	08:24	3.16	15.10
0567-3	9/7/2016	08:25	3.32	14.94
0568-1	9/7/2016	12:51	3.39	14.87
0568-2	9/7/2016	12:52	3.58	14.68
0568-3	9/7/2016	12:53	3.56	14.70
0569-1	9/7/2016	08:43	3.55	14.56
0569-2	9/7/2016	13:06	3.71	14.40
0569-3	9/7/2016	08:56	3.67	14.44
0570-1	9/7/2016	11:14	3.74	14.06
0570-2	9/7/2016	12:14	3.89	13.91
0570-3	9/7/2016	12:15	3.86	13.94
0571-1	9/7/2016	09:46	3.99	14.21
0571-2	9/7/2016	09:57	4.07	14.13
0571-3	9/7/2016	10:01	3.99	14.21
0572-1	9/7/2016	08:02	1.70	13.90
0572-2	9/7/2016	08:04	1.76	13.84
0573-1	9/7/2016	12:33	1.90	13.10
0573-2	9/7/2016	12:39	1.92	13.08
0573-3	9/7/2016	12:41	1.94	13.06
0574-1	9/7/2016	10:53	4.46	11.84
0574-2	9/7/2016	11:00	4.29	12.01
0574-3	9/7/2016	11:01	4.31	11.99
0575-1	9/7/2016	10:30	4.13	11.17
0575-2	9/7/2016	10:51	4.08	11.22
0576-1	9/7/2016	13:18	3.87	13.63
0576-2	9/7/2016	13:21	3.75	13.75
0576-3	9/7/2016	13:21	3.76	13.74
0577-1	9/7/2016	09:41	3.63	14.27
0577-2	9/7/2016	10:00	3.72	14.18
0577-3	9/7/2016	10:00	3.71	14.19
0578-1	9/7/2016	10:43	3.13	14.67
0578-2	9/7/2016	10:48	3.22	14.58
0578-3	9/7/2016	10:49	3.27	14.53
0579-1	9/7/2016	12:47	3.36	14.04
0579-2	9/7/2016	13:17	3.42	13.98

Table 1 (continued). Groundwater-Level Data at the STAR Center, September 2016

Location	Measurement		Water Depth (ft bls)	Groundwater Elevation (ft amsl)
	Date	Time		
0579-3	9/7/2016	13:17	3.43	13.97
0580-1	9/7/2016	13:51	3.80	14.70
0580-2	9/7/2016	14:01	3.83	14.67
0580-3	9/7/2016	14:10	3.83	14.67
0581-1	9/7/2016	13:50	3.36	14.00
0581-2	9/7/2016	13:56	3.31	14.05
0581-3	9/7/2016	13:57	3.29	14.07
0582-1	9/7/2016	13:58	2.66	14.07
0582-2	9/7/2016	14:04	2.66	14.07
0582-3	9/7/2016	14:04	2.65	14.08
0583-1	9/7/2016	14:12	2.47	14.04
0583-2	9/7/2016	14:26	2.41	14.10
0583-3	9/7/2016	14:26	2.36	14.15
0584-1	9/7/2016	14:42	2.46	15.14
0584-2	9/7/2016	14:56	2.62	14.98
0584-3	9/7/2016	14:56	2.65	14.95
0585-1	9/7/2016	14:57	2.58	14.91
0585-2	9/7/2016	15:06	2.63	14.86
0585-3	9/7/2016	15:07	2.59	14.90
0586-1	9/7/2016	14:31	3.23	14.17
0586-2	9/7/2016	14:34	2.90	14.50
0586-3	9/7/2016	14:34	2.88	14.52
0587-1	9/7/2016	14:27	3.25	14.25
0587-2	9/7/2016	14:30	3.01	14.49
0587-3	9/7/2016	14:31	3.01	14.49
0588-1	9/7/2016	14:20	3.06	14.34
0588-2	9/7/2016	14:26	2.96	14.44
0588-3	9/7/2016	14:26	2.98	14.42
PZ01	9/7/2016	10:01	3.56	13.94
PZ02	9/7/2016	10:49	4.28	14.62
PZ03	9/7/2016	10:38	3.22	13.68
S29C	9/7/2016	16:21	–	–
S30B	9/7/2016	16:20	–	–
S31B	9/7/2016	16:22	–	–
S32B	9/7/2016	08:03	2.74	15.77
S33C	9/7/2016	07:54	2.61	15.90
S35B	9/7/2016	08:04	3.33	15.18
S36B	9/7/2016	07:43	3.35	15.16
S37B	9/7/2016	07:48	2.50	16.01
S67B	9/7/2016	16:17	–	–
S67C	9/7/2016	16:17	–	–

Table 1 (continued). Groundwater-Level Data at the STAR Center, September 2016

Location	Measurement		Water Depth (ft bls)	Groundwater Elevation (ft amsl)
	Date	Time		
S67D	9/7/2016	16:18	–	–
S68B	9/7/2016	15:00	3.09	14.81
S68C	9/7/2016	15:14	3.17	14.73
S68D	9/7/2016	15:17	3.28	14.62
S69B	9/7/2016	14:40	1.54	14.46
S69C	9/7/2016	14:57	1.54	14.46
S69D	9/7/2016	14:59	1.57	14.43
S70B	9/7/2016	14:39	2.08	14.62
S70C	9/7/2016	14:37	2.03	14.67
S70D	9/7/2016	14:28	2.19	14.51
S71B	9/7/2016	14:25	3.80	14.60
S71C	9/7/2016	14:23	3.75	14.65
S71D	9/7/2016	14:12	3.77	14.63
S73B	9/7/2016	14:34	3.02	13.98
S73C	9/7/2016	14:32	2.90	14.10
S73D	9/7/2016	14:27	3.48	13.52
PIN21				
0502	9/7/2016	14:14	1.12	14.08
0503	9/7/2016	14:00	1.37	13.83
0504	9/7/2016	14:35	3.27	14.33
0505	9/7/2016	14:38	2.90	14.50

Abbreviations:
ft amsl = feet above mean sea level
ft bls = feet below land surface
– = not measured

Table 2. Surface Water Elevations, September 2016

Location	Measurement		Surface Water Elevation (ft amsl)
	Date	Time	
PIN01	**Pond 5**		
P501	9/7/2016	09:18	14.24
P502	–	–	–
PIN02	**West Pond**		
W005	9/7/2016	09:18	14.25
PIN12	**Belcher Road Pond**		
BR01	–	–	–
PIN23	**Southwest Pond**		
SW01	9/7/2016	09:26	14.20
PIN37	**South Pond**		
S001	9/7/2016	09:34	14.20
S002	9/7/2016	09:36	14.26

Abbreviations:
ft amsl = feet above mean sea level
– = not measured

Table 3. Field Measurements of Samples Collected at the STAR Center, September 2016

Location	Screen Depth (ft bls)	Temperature (°C)	Specific Conductance (µmho/cm)[a]	Turbidity (NTU)	pH	Oxidation Reduction Potential (mV)	Dissolved Oxygen (mg/L)
0524	27–37	29.4	1300	43	6.59	–62	1.1
0525	12–22	29.7	689	7	6.77	–81	1.1
0539	9.5–19.5	–	–	7	–	–	–
0540	20–30	–	–	15	–	–	–
0541	10–20	31.4	808	9	6.47	–60	0.7
0542	20–30	30.9	816	2	6.55	–70	0.6
0549	30–40	31.2	1276	12	6.62	–62	0.7
0551-2	20–29	28.9	1150	3	6.52	–71	1.2
0554A	3–13	30.4	826	5	6.27	–169	1.4
0554B	13–23	28.7	693	6	6.61	–101	1.0
0554C	23–33	28.6	793	15	6.79	–151	0.9
0555A	2.5–12.5	29.7	644	9	6.40	–125	0.9
0555B	13–23	29.4	437	4	6.79	–61	1.4
0555C	23–33	28.8	513	10	6.70	–67	0.7
0561-1	9–18	31.4	476	9	6.87	–87	0.4
0561-2	20–29	30.3	529	5	6.75	–64	0.4
0561-3	31–40	30.6	1058	7	6.53	–34	0.8
0565-1	9–18	30.6	1093	4	6.59	–58	0.8
0565-2	20–29	29.7	1108	2	6.51	–68	0.4
0565-3	31–40	30.4	1390	1	6.52	–34	0.7
0568-1	9–18	29.4	1702	1	6.62	–82	0.7
0568-2	20–29	28.6	1509	3	6.47	–75	0.6
0568-3	31–40	28.5	1685	10	6.55	–86	0.6
0569-1	9–18	30.8	1407	2	6.55	–49	0.4
0569-2	20–29	30.6	1362	17	6.54	–58	0.5
0569-3	31–40	29.4	1364	13	6.54	–44	1.0
0570-1	9–18	28.8	1955	1	6.45	–60	1.0
0570-2	20–29	28.6	1719	1	6.54	–52	0.9
0570-3	31–40	28.8	1314	2	6.58	–56	0.8
0572-1	9–18	30.4	1681	5	6.43	–68	0.4
0572-2	20–29	28.4	1410	8	6.18	–43	0.4
0573-1	9–18	30.7	1851	3	6.60	–55	1.5
0573-2	20–29	30.6	1314	2	6.58	–55	1.3
0573-3	31–40	31.1	1461	1	6.63	–54	0.7
0574-1	9–18	29.9	1203	7	6.59	–52	1.2
0574-2	20–29	29.2	1229	3	6.56	–52	0.6
0574-3	31–40	30.0	1533	1	6.58	–31	0.5

Table 3 (continued). Field Measurements of Samples Collected at the STAR Center, September 2016

Location	Screen Depth (ft bls)	Temperature (°C)	Specific Conductance (µmho/cm)[a]	Turbidity (NTU)	pH	Oxidation Reduction Potential (mV)	Dissolved Oxygen (mg/L)
0575-1	9–18	29.7	1340	2	6.59	–68	1.1
0575-2	20–29	29.3	1449	7	6.58	–60	0.8
0576-1	4–13	27.7	1805	7	6.23	–279	0.9
0576-2	15–24	27.8	986	6	6.53	–213	1.2
0576-3	26–35	28.2	1726	3	6.50	–197	1.0
0577-1	4–13	31.2	2435	2	6.27	–71	0.5
0577-2	15–24	30.8	1467	4	6.34	–50	0.5
0577-3	26–35	30.3	1388	2	6.49	–67	0.6
0578-1	4–13	32.4	285	9	6.58	74	1.2
0578-2	15–24	32.4	865	1	6.46	–76	1.1
0578-3	26–35	31.6	1082	2	6.48	–52	1.1
0579-1	4–13	28.8	1147	3	6.74	–130	0.8
0579-2	15–24	28.8	1037	2	6.55	–86	1.2
0579-3	26–35	28.9	1527	4	6.73	–77	1.2
0580-1	9–18	32.1	558	2	6.51	–50	1.3
0580-2	20–29	30.3	1145	4	6.39	–55	0.5
0580-3	31–40	30.0	1457	8	6.48	–55	0.4
0581-1	9–18	33.7	1084	2	6.62	–73	1.3
0581-2	20–29	33.2	1068	2	6.65	–97	1.0
0581-3	31–40	33.5	1448	1	6.74	–43	1.4
0582-1	9–18	33.4	884	2	6.77	–97	0.5
0582-2	20–29	33.3	1376	1	6.51	–75	0.4
0582-3	31–40	33.3	1475	2	6.49	–61	0.4
0583-1	9–18	31.3	544	20	6.59	–72	1.0
0583-2	20–29	31.0	1405	1	6.53	–51	1.0
0583-3	31–40	31.4	1412	3	6.55	–33	1.2
0584-1	9–18	33.9	575	8	6.77	–107	0.9
0584-2	20–29	32.4	1041	2	6.67	–80	1.2
0584-3	31–40	32.3	1471	4	6.46	–50	0.8
0585-1	9–18	32.0	695	2	6.75	–81	1.2
0585-2	20–29	31.0	1066	2	6.47	–69	1.0
0585-3	31–40	–	–	17	–	–	–
0586-1	8–17	29.6	649	11	6.64	–73	0.4
0586-2	19–28	29.6	809	2	6.57	–62	0.4
0586-3	30–39	29.2	1460	8	6.61	–59	0.4
0587-1	9–18	29.0	1114	11	6.51	–68	0.5
0587-2	20–29	28.5	1167	17	5.78	–22	0.9
0587-3	31–40	29.0	1645	9	6.37	–107	0.6

Table 3 (continued). Field Measurements of Samples Collected at the STAR Center, September 2016

Location	Screen Depth (ft bls)	Temperature (°C)	Specific Conductance (µmho/cm)[a]	Turbidity (NTU)	pH	Oxidation Reduction Potential (mV)	Dissolved Oxygen (mg/L)
0588-1	9–18	29.5	998	1	6.74	–99	1.0
0588-2	20–29	29.3	983	1	6.65	–87	0.7
0588-3	31–40	29.0	1318	1	6.70	–85	0.9
S30B	5–15	22.5	808	9	6.43	–95	0.4
S33C	11–21	23.9	599	4	6.61	–74	0.4
S35B	5–15	23.2	1714	8	6.20	–21	1.7
S68B	10–20	27.8	742	9	6.68	–85	1.3
S68C	18–28	27.3	1062	19	6.59	–55	0.7
S68D	30–40	27.8	1387	294	6.60	–71	0.5
S69B	10–20	31.1	633	77	6.78	–67	0.8
S69C	20–30	30.9	773	4	6.68	–69	0.6
S69D	30–40	29.9	1481	23	6.66	–46	0.9
S70B	10–20	33.6	816	14	6.71	–64	0.4
S70C	20–30	32.0	1311	16	6.51	–66	0.6
S70D	30–40	31.8	1424	20	6.52	–56	0.6
S71B	10–20	31.9	652	7	6.66	–90	0.5
S71C	20–30	32.2	1330	11	6.53	–66	0.6
S71D	30–40	29.7	1485	17	6.49	–62	0.4
S73B	10–20	–	–	16	–	–	–
S73C	20–30	30.3	1801	13	6.62	–123	1.3
S73D	30–40	30.3	1718	11	6.41	–72	1.3

Note:
[a] Temperature corrected to 25 °C.

Abbreviations:
– = not measured
ft bls = feet below land surface
µmho/cm = micromhos per centimeter
mg/L = milligrams per liter
mV = millivolts
NTU = nephelometric turbidity units

Table 4. Relative Percent Difference for Duplicate Samples, September 2016 (results in µg/L)

Sample ID	Duplicate ID	Analyte	Result	Duplicate Result	MDL	RPD
PIN12-0569-3	PIN12-2450	1,4-Dioxane	1.5	1.3	0.22	14
		Vinyl chloride	5.5	4.5	0.10	20
PIN12-0572-2	PIN12-2451	1,4-Dioxane	2.1	1.9	0.22	10
		Vinyl chloride	1.4	1.4	0.10	0
PIN12-0576-2	PIN12-2452	1,1-Dichloroethane	15	15	0.22	0
		1,1-Dichloroethene	1.6	1.7	0.23	6
		1,4-Dioxane	41	41	0.88	0
		cis-1,2-Dichloroethene	7.9	8.3	0.15	5
		Vinyl chloride	16	17	0.10	6
PIN12-0582-2	PIN12-2453	1,1-Dichloroethane	12	11	0.22	9
		1,4-Dioxane	110	150	4.4	31
		cis-1,2-Dichloroethene	7.2	6.4	0.15	12
		trans-1,2-Dichloroethene	7.2	6.4	0.15	12
		Vinyl chloride	120	130	1.0	8
PIN12-0585-2	PIN12-2454	1,1-Dichloroethene	190	160	2.3	17
		1,4-Dioxane	2.8	3.4	0.22	19
		cis-1,2-Dichloroethene	3400	3500	15	3
		trans-1,2-Dichloroethene	48	46	1.5	4
		Trichloroethene	350	350	1.6	0
		Vinyl chloride	2100	2000	10	5

Abbreviations:
MDL = method detection limit
µg/L = micrograms per liter

Table 5. COPCs Concentrations at the Building 100 Area Since March 2014 (µg/L)[a]

Location	Screen Depth (ft bls)	Date Sampled	TCE	cDCE	tDCE	1,1-DCE	VC	1,4-Dioxane	TCOPCs[b]
Cleanup Target Level[c]			**30**	**700**	**1000**	**70**	**10**	**32**	
PIN12									
0524	27–37	3/8/2014	<0.32	650	5.9	13	450	0.92J	1119.82
		9/13/2014	<0.32	500J	4.4J	9.8J	370J	1.6	885.8
		3/7/2015	<0.32	370	2.8	7	340	<0.44	719.8
		9/12/2015	<0.16	260	1.7	4.2	260	1.4	527.3
		3/5/2016	<0.16	170	1.5	3.1	300	1.6	476.2
		9/10/2016	<0.16	12	<0.15	<0.23	9.6	1.8	23.4
0525	12–22	3/8/2014	<0.16	1.1	<0.15	<0.23	<0.1	2J	3.1
		9/13/2014	<0.16	1.1J	<0.15	<0.23	<0.1	3	4.1
		3/7/2015	<0.16	1.3	<0.15	<0.23	0.13J	4	5.43
		9/12/2015	<0.16	1.1	<0.15	<0.23	0.12J	3.4	4.62
		3/5/2016	<0.16	1.8	<0.15	<0.23	<0.1	3.4J	5.2
		9/10/2016	<0.16	1.5	<0.15	<0.23	<0.1	2.7	4.2
0539	9.5–19.5	3/11/2014	<0.16	0.26J	0.29J	<0.23	2.3	<1.2B	2.85
		9/16/2014	<0.16	<0.15	0.16J	<0.23	<0.1	<0.22	0.16
		3/9/2015	<0.16	0.29J	0.52J	<0.23	15	10	25.81
		9/15/2015	<0.16	0.16J	0.35J	<0.23	3.2	2.5	6.21
		3/9/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/8/2016	<0.16	<0.15	4	<0.23	10	25EJ	39
0540	20–30	3/11/2014	<0.16	30J	13J	0.44J	270J	200BJ	513.44
		9/16/2014	<0.16	18	11	0.41J	260	190	479.41
		3/9/2015	<0.16	25	13	0.37J	250	190	478.37
		9/15/2015	<0.16	<0.15	7.7	<0.23	28	150	185.7
		3/9/2016	<0.16	11	11	<0.23	110	120	252
		9/8/2016	<0.32	<0.3	6.6	<0.46	44	67	117.6
0541	10–20	3/7/2014	<0.16	0.21J	<0.15	<0.23	<0.1	1.4J	1.61
		9/15/2014	<0.16	<0.15	<0.15	<0.23	<0.1	0.67J	0.67
		3/9/2015	<0.16	0.31J	<0.15	<0.23	<0.1	2.2	2.51
		9/15/2015	<0.16	0.37J	<0.15	<0.23	<0.1	1.5	1.87
		3/9/2016	<0.16	<0.15	<0.15	<0.23	<0.1	0.3J	0.3
		9/14/2016	<0.16	0.41J	<0.15	<0.23	<0.1	1.8	2.21
0542	20–30	3/7/2014	<0.16	0.31J	<0.15	<0.23	<0.1	1.7J	2.01
		9/15/2014	<0.16	0.32J	<0.15	<0.23	<0.1	1.7	2.02
		3/9/2015	<0.16	0.44J	<0.15	<0.23	<0.1	2.6	3.04
		9/16/2015	<0.16	0.82J	<0.15	<0.23	<0.1	2.9	3.72
		3/9/2016	<0.16	<0.15	<0.15	<0.23	<0.1	0.6J	0.6
		9/14/2016	<0.16	0.6J	<0.15	<0.23	<0.1	2.3	2.9

Table 5 (continued). COPCs Concentrations at the Building 100 Area Since March 2014 (µg/L)[a]

Location	Screen Depth (ft bls)	Date Sampled	TCE	cDCE	tDCE	1,1-DCE	VC	1,4-Dioxane	TCOPCs[b]
Cleanup Target Level[c]			**30**	**700**	**1000**	**70**	**10**	**32**	
0549	30–40	3/7/2014	<0.16	0.26J	<0.15	<0.23	<0.1	3.5J	3.76
		9/15/2014	<0.16	0.27J	<0.15	<0.23	<0.1	4.7	4.97
		3/9/2015	<0.16	0.28J	<0.15	<0.23	<0.1	3.2	3.48
		9/16/2015	<0.16	0.31J	<0.15	<0.23	<0.1	3.2	3.51
		3/9/2016	<0.16	0.5J	<0.15	<0.23	<0.1	5	5.5
		9/14/2016	<0.16	0.31J	<0.15	<0.23	<0.1	2.5	2.81
0551-1[d]	9–18	3/11/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/15/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		3/11/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
0551-2	20–29	3/11/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/18/2014	<0.16	<0.15	<0.15	<0.23	<0.1	1.9	1.9
		3/11/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/15/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		3/8/2016	<0.16	<0.15	<0.15	<0.23	0.2J	0.23J	0.43
		9/13/2016	<0.16	<0.15	<0.15	<0.23	1.7	1.8	3.5
0554A	3–13	3/6/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/12/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		3/6/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		3/8/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/8/2016	<0.16	<0.15	<0.15	<0.23	<0.1	0.34J	0.34
0554B	13–23	3/6/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/12/2014	<0.16	0.35J	<0.15	<0.23	<0.1	1.8	2.15
		3/6/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		3/8/2016	<0.16	1.8	0.25J	<0.23	4	4.7	10.75
		9/8/2016	<0.16	<0.15	<0.15	<0.23	<0.1	0.69J	0.69
0554C	23–33	3/7/2014	<0.16	19	6.6	0.81J	84	87	197.41
		9/15/2014	<0.16	15	4.8	0.67J	51	49	120.47
		3/6/2015	<0.16	16	4.7	0.59J	54	67	142.29
		3/8/2016	<0.16	17	5.4	0.75J	47	55	125.15
		9/8/2016	<0.16	11	4.7	0.44J	48	37	101.14
0555A	2.5–12.5	3/6/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/12/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		3/6/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/16/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		3/7/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/8/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND

Table 5 (continued). COPCs Concentrations at the Building 100 Area Since March 2014 (µg/L)[a]

Location	Screen Depth (ft bls)	Date Sampled	TCE	cDCE	tDCE	1,1-DCE	VC	1,4-Dioxane	TCOPCs[b]
Cleanup Target Level[c]			**30**	**700**	**1000**	**70**	**10**	**32**	
0555B	13–23	3/6/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/12/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		3/6/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/16/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		3/7/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/8/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
0555C	23–33	3/6/2014	<0.16	1	0.44J	<0.23	<0.1	0.35J	1.79
		9/12/2014	<0.16	1	0.37J	<0.23	<0.1	<0.22	1.37
		3/6/2015	<0.16	0.96J	0.32J	<0.23	<0.1	<0.22	1.28
		9/16/2015	<0.16	1	0.34J	<0.23	<0.1	0.27J	1.61
		3/7/2016	<0.16	<1.3	0.47J	<0.23	<0.1	0.33J	0.8
		9/8/2016	<0.16	0.9J	0.27J	<0.23	<0.1	<0.22	1.17
0561-1	9–18	3/8/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/13/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		3/7/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/12/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		3/5/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/10/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
0561-2	20–29	3/8/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/13/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		3/7/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/12/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		3/5/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/10/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
0561-3	31–40	3/8/2014	<0.16	<0.15	<0.15	<0.23	<0.1	0.83J	0.83
		9/13/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		3/7/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/12/2015	<0.16	<0.15	<0.15	<0.23	<0.1	0.6J	0.6
		3/5/2016	<0.16	<0.15	<0.15	<0.23	<0.1	0.35J	0.35
		9/10/2016	<0.16	<0.15	<0.15	<0.23	<0.1	0.77J	0.77
0565-1	9–18	3/5/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/11/2014	<0.16	0.18J	<0.15	<0.23	<0.1	<0.22	0.18
		3/5/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/14/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		3/3/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/12/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND

Table 5 (continued). COPCs Concentrations at the Building 100 Area Since March 2014 (µg/L)[a]

Location	Screen Depth (ft bls)	Date Sampled	TCE	cDCE	tDCE	1,1-DCE	VC	1,4-Dioxane	TCOPCs[b]
Cleanup Target Level[c]			**30**	**700**	**1000**	**70**	**10**	**32**	
0565-2	20–29	3/5/2014	<0.16	0.37J	<0.15	<0.23	0.21J	<0.22	0.58
		9/11/2014	<0.16	0.57J	<0.15	<0.23	0.38J	0.51J	1.46
		3/5/2015	<0.16	0.32J	<0.15	<0.23	0.16J	<0.22	0.48
		9/14/2015	<0.16	0.38J	<0.15	<0.23	<0.1	1.7	2.08
		3/3/2016	<0.16	0.49J	<0.15	<0.23	0.49J	0.31J	1.29
		9/12/2016	<0.16	0.27J	<0.15	<0.23	<0.1	<0.22	0.27
0565-3	31–40	3/5/2014	<0.16	0.46J	<0.15	<0.23	0.17J	<0.22	0.63
		9/11/2014	<0.16	0.62J	0.2J	<0.23	<0.1	0.25J	1.07
		3/5/2015	<0.16	0.5J	0.18J	<0.23	0.19J	<0.22	0.87
		9/14/2015	<0.16	0.49J	0.16J	<0.23	<0.1	0.42J	1.07
		3/5/2016	<0.16	<0.55J	0.19J	<0.23	<0.1	0.24J	0.43
		9/12/2016	<0.16	0.55J	0.17J	<0.23	<0.1	<0.22	0.72
0568-1	9–18	3/7/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/16/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		3/9/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/15/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		3/7/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/10/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
0568-2	20–29	3/7/2014	<0.16	<0.15	<0.15	<0.23	<0.1	1.4J	1.4
		9/16/2014	<0.16	<0.15	<0.15	<0.23	<0.1	1.5	1.5
		3/9/2015	<0.16	<0.15	<0.15	<0.23	<0.1	1.5	1.5
		9/15/2015	<0.16	<0.15	<0.15	<0.23	<0.1	1.2	1.2
		3/7/2016	<0.16	<0.15	<0.15	<0.23	<0.1	0.79J	0.79
		9/10/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
0568-3	31–40	3/7/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/16/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		3/9/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/15/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		3/7/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/10/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
0569-1	9–18	3/10/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/16/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		3/9/2015	<0.16	<0.15	<0.15	<0.23	0.14J	<0.22	0.14
		9/15/2015	<0.16	<0.15	<0.15	<0.23	<0.1	0.52J	0.52
		3/5/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/9/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND

Table 5 (continued). COPCs Concentrations at the Building 100 Area Since March 2014 (µg/L)[a]

Location	Screen Depth (ft bls)	Date Sampled	TCE	cDCE	tDCE	1,1-DCE	VC	1,4-Dioxane	TCOPCs[b]
Cleanup Target Level[c]			**30**	**700**	**1000**	**70**	**10**	**32**	
0569-2	20–29	3/10/2014	<0.16	0.83J	<0.15	<0.23	5	1.7	7.53
		9/16/2014	<0.16	1.1	<0.15	<0.23	5.2	1.8	8.1
		3/9/2015	<0.16	0.79J	<0.15	<0.23	4.1	1.9	6.79
		9/15/2015	<0.16	1	<0.15	<0.23	4.2	1.5J	6.7
		1/14/2016	<0.16	1.9	<0.15	<0.23	4.9		6.8
		3/5/2016	<0.16	<1.5	<0.15	<0.23	7.4	1.5	8.9
		9/9/2016	<0.16	0.7J	<0.15	<0.23	2.2	1.9	4.8
0569-3	31–40	3/10/2014	<0.16	41	0.6J	1.6	37	2	82.2
		9/16/2014	<0.16	28	0.37J	1	37	1.8	68.17
		3/9/2015	<0.16	18	0.25J	0.65J	27	1.8	47.7
		9/15/2015	<0.16	21	0.38J	0.93J	33	1.8J	57.11
		3/5/2016	<0.16	<0.15	<0.15	<0.23	22	0.83J	22.83
		9/9/2016	<0.16	<0.15	<0.15	<0.23	5.5	1.5	7
0570-1	9–18	3/7/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/17/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		3/9/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/15/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		3/7/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/10/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
0570-2	20–29	3/7/2014	<0.16	<0.15	<0.15	<0.23	0.4J	0.88J	1.28
		9/17/2014	<0.16	<0.15	<0.15	<0.23	<0.1	2.4	2.4
		3/9/2015	<0.16	<0.15	<0.15	<0.23	0.66J	1.4	2.06
		9/15/2015	<0.16	<0.15	<0.15	<0.23	0.71J	1.2J	1.91
		3/7/2016	<0.16	<0.15	<0.15	<0.23	1.7	1.2	2.9
		9/10/2016	<0.16	<0.15	<0.15	<0.23	0.52J	0.99J	1.51
0570-3	31–40	3/7/2014	<0.16	<0.15	<0.15	<0.23	3.6	1.7J	5.3
		9/17/2014	<0.16	<0.15	<0.15	<0.23	2.2	3	5.2
		3/9/2015	<0.16	<0.15	<0.15	<0.23	3.6	2.2	5.8
		9/15/2015	<0.16	0.19J	<0.15	<0.23	3.5	1.6J	5.29
		3/7/2016	<0.16	<0.17J	<0.15	<0.23	4.9	1.1	6
		9/10/2016	<0.16	<0.15	<0.15	<0.23	2.7	1.1	3.8
0572-1	9–18	3/7/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/16/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		3/10/2015	<0.16	<0.15	<0.15	<0.23	<0.1	0.45J	0.45
		9/15/2015	<0.16	0.18J	<0.15	<0.23	<0.1	<0.22	0.18
		3/8/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/12/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND

Table 5 (continued). COPCs Concentrations at the Building 100 Area Since March 2014 (µg/L)[a]

Location	Screen Depth (ft bls)	Date Sampled	TCE	cDCE	tDCE	1,1-DCE	VC	1,4-Dioxane	TCOPCs[b]
Cleanup Target Level[c]			**30**	**700**	**1000**	**70**	**10**	**32**	
0572-2	20–29	3/7/2014	<0.16	210	1.8	8.6	35	1.1J	256.5
		9/16/2014	<0.16	120	1.2	5.1	30	1.1	157.4
		9/15/2015	<0.16	0.62J	<0.15	<0.23	28	5.6J	34.22
		1/14/2016	<0.16	1.9	<0.15	<0.23	20	-	21.9
		3/8/2016	<0.16	0.6J	<0.15	<0.23	22	1.9	24.5
		9/12/2016	<0.16	<0.15	<0.15	<0.23	1.4J	2.1	3.5
0573-1	9–18	3/5/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/11/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		3/5/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/15/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		3/3/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/9/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
0573-2	20–29	3/5/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/11/2014	<0.16	<0.15	<0.15	<0.23	<0.1	0.25J	0.25
		3/5/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/15/2015	<0.16	<0.15	<0.15	<0.23	<0.1	0.5J	0.5
		3/3/2016	<0.16	<0.15	<0.15	<0.23	<0.1	0.28J	0.28
		9/9/2016	<0.16	<0.15	<0.15	<0.23	<0.1	0.78J	0.78
0573-3	31–40	3/5/2014	<0.16	<0.15	<0.15	<0.23	<0.1	0.35J	0.35
		9/11/2014	<0.16	<0.15	<0.15	<0.23	<0.1	0.22J	0.22
		3/5/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/15/2015	<0.16	<0.15	<0.15	<0.23	<0.1	0.55J	0.55
		3/3/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/9/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
0574-1	9–18	3/5/2014	<0.16	7.2	<0.15	<0.23	12	1.4	20.6
		9/11/2014	<0.16	11	0.15J	<0.23	14	1.2	26.35
		3/5/2015	<0.16	11	0.15J	<0.23	11	1.8	23.95
		9/14/2015	<0.16	21	0.26J	0.31J	22	1.1	44.67
		1/13/2016	<0.16	38	0.46J	1.6	22	-	62.06
		3/3/2016	<0.16	48	0.57J	2.2	23	1.2	74.97
		9/12/2016	<0.16	88	0.8J	4.6	31J	1.7	126.1
0574-2	20–29	3/5/2014	<0.16	14	0.22J	<0.23	20	1.2	35.42
		9/11/2014	<0.16	22	0.31J	0.47J	23	1.4	47.18
		3/5/2015	<0.16	30	0.42J	1	18	1.8	51.22
		9/14/2015	<0.16	77	1.2	4.9	46	1.5	130.6
		1/13/2016	<0.16	190	2.4	11	54	-	257.4
		3/3/2016	<0.16	200	2.1	10	49	1.9	263
		9/12/2016	<0.16	250	2.5	13	50J	2	317.5

Table 5 (continued). COPCs Concentrations at the Building 100 Area Since March 2014 (µg/L)[a]

Location	Screen Depth (ft bls)	Date Sampled	TCE	cDCE	tDCE	1,1-DCE	VC	1,4-Dioxane	TCOPCs[b]
Cleanup Target Level[c]			**30**	**700**	**1000**	**70**	**10**	**32**	
0574-3	31–40	3/5/2014	<0.16	0.41J	<0.15	<0.23	1	<0.22	1.41
		9/11/2014	<0.16	0.2J	<0.15	<0.23	0.7J	<0.22	0.9
		3/5/2015	<0.16	0.23J	<0.15	<0.23	0.71J	<0.22	0.94
		9/14/2015	<0.16	0.27J	<0.15	<0.23	2.1	0.49J	2.86
		1/13/2016	<0.16	0.47J	<0.15	<0.23	2.2	-	2.67
		3/3/2016	<0.16	0.38J	<0.15	<0.23	3.4	<0.22	3.78
		9/12/2016	<0.16	0.24J	<0.15	<0.23	2.8J	<0.22	3.04
0575-1	9–18	3/5/2014	<0.16	<0.15	<0.15	<0.23	<0.1	1.8	1.8
		9/11/2014	<0.16	<0.15	<0.15	<0.23	<0.1	1.4	1.4
		3/10/2015	<0.16	<0.15	<0.15	<0.23	<0.1	2.4	2.4
		9/14/2015	<0.16	<0.15	<0.15	<0.23	<0.1	1.3	1.3
		1/14/2016	<0.16	<0.15	<0.15	<0.23	0.42J	-	0.42
		3/3/2016	<0.16	<0.15	<0.15	<0.23	0.26J	1.4	1.66
		9/12/2016	<0.16	<0.15	<0.15	<0.23	<0.1	1.8	1.8
0575-2	20–29	3/5/2014	<0.16	<0.15	<0.15	<0.23	1.2	0.67J	1.87
		9/11/2014	<0.16	<0.15	<0.15	<0.23	1.2	0.75J	1.95
		3/10/2015	<0.16	<0.15	<0.15	<0.23	1.3	<0.22	1.3
		9/14/2015	<0.16	0.16J	<0.15	<0.23	1.6	<0.22	1.76
		1/14/2016	<0.16	0.16J	<0.15	<0.23	1.7	-	1.86
		3/3/2016	<0.16	<0.15	<0.15	<0.23	1.5	1.4	2.9
		9/12/2016	<0.16	0.16J	<0.15	<0.23	1.8J	0.91J	2.87
0576-1	4–13	3/10/2014	<0.16	4.4	<0.15	1.1	4.9	22J	32.4
		9/15/2014	<0.16	6.4	0.25J	2	9.5	33	51.15
		3/11/2015	<0.16	4.9	0.16J	1.1	8	36	50.16
		9/12/2015	<0.16	4.1	0.16J	0.54J	6.7	64B	75.5
		3/8/2016	<0.16	1.5	<0.15	<0.23	5.4	48	54.9
		9/13/2016	<0.16	0.17J	<0.15	<0.23	<0.1	23	23.17
0576-2	15–24	3/10/2014	<0.16	4.7	<0.15	1.3	4.9	24J	34.9
		9/15/2014	<0.16	7.1	0.28J	1.6	9.2	32	50.18
		9/12/2015	<0.16	8.1	0.4J	1.7	15	19B	44.2
		1/13/2016	<0.16	8.1	0.55J	1.8	17	-	27.45
		3/8/2016	<0.16	8.4	0.44J	1.7	19J	32J	61.54
		9/13/2016	<0.16	7.9	0.43J	1.6	16	41	66.93
0576-3	26–35	3/11/2014	<0.16	0.35J	<0.15	<0.23	0.68J	<0.22	1.03
		9/15/2014	<0.16	0.54J	<0.15	<0.23	0.93J	<0.22	1.47
		3/11/2015	<0.16	0.34J	<0.15	<0.23	0.62J	<0.22	0.96
		9/12/2015	<0.16	0.22J	<0.15	<0.23	0.5J	<0.22	0.72
		3/8/2016	<0.16H	<0.72JH	<0.15H	<0.23H	1.3H	4	5.3
		9/13/2016	<0.16	0.26J	<0.15	<0.23	1.3	1.6	3.16

Table 5 (continued). COPCs Concentrations at the Building 100 Area Since March 2014 (µg/L)[a]

Location	Screen Depth (ft bls)	Date Sampled	TCE	cDCE	tDCE	1,1-DCE	VC	1,4-Dioxane	TCOPCs[b]
Cleanup Target Level[c]			**30**	**700**	**1000**	**70**	**10**	**32**	
0577-1	4–13	3/11/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.8JB	ND
		9/15/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		3/11/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/12/2015	<0.16	<0.15	<0.15	<0.23	<0.1	-	ND
		3/7/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/9/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
0577-2	15–24	3/11/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.66JB	ND
		9/15/2014	0.49J	<0.15	<0.15	<0.23	<0.1	<0.22	0.49
		3/11/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/12/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.39JB	ND
		3/8/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/9/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
0577-3	26–35	3/11/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.61JB	ND
		9/15/2014	0.42J	<0.15	<0.15	<0.23	<0.1	<0.22	0.42
		3/11/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/12/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.44JB	ND
		3/8/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/9/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
0578-1	4–13	3/11/2014	<0.16	<0.15	<0.15	<0.23	<0.1	0.3JHJ	0.3
		9/16/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		3/10/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/16/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		3/8/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/9/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
0578-2	15–24	3/11/2014	<0.16	<0.15	<0.15	<0.23	<0.1	1.6B	1.6
		9/16/2014	<0.16	<0.15	<0.15	<0.23	<0.1	0.35J	0.35
		3/10/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/16/2015	<0.16	<0.15	<0.15	<0.23	<0.1	0.6J	0.6
		3/8/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/9/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
0578-3	26–35	3/11/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.43JB	ND
		9/16/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		3/10/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/16/2015	<0.16	<0.15	<0.15	<0.23	<0.1	0.46J	0.46
		3/8/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/9/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND

Table 5 (continued). COPCs Concentrations at the Building 100 Area Since March 2014 (µg/L)[a]

Location	Screen Depth (ft bls)	Date Sampled	TCE	cDCE	tDCE	1,1-DCE	VC	1,4-Dioxane	TCOPCs[b]
Cleanup Target Level[c]			**30**	**700**	**1000**	**70**	**10**	**32**	
0579-1	4–13	3/10/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/15/2014	0.29J	<0.15	<0.15	<0.23	<0.1	<0.22	0.29
		3/10/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/12/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		3/7/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/9/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
0579-2	15–24	3/10/2014	<0.16	<0.15	<0.15	<0.23	<0.1	0.26J	0.26
		9/15/2014	0.27J	<0.15	<0.15	<0.23	<0.1	<0.22	0.27
		3/10/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/12/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.54JB	ND
		3/7/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/9/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
0579-3	26–35	3/10/2014	<0.64	<0.6	<0.6	<0.92	<0.4	<0.22	ND
		9/15/2014	0.25J	<0.15	<0.15	<0.23	<0.1	<0.22	0.25
		3/10/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/12/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.37JB	ND
		3/7/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/9/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
0580-1	9–18	3/11/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/16/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		3/10/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/11/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		3/8/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/12/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
0580-2	20–29	3/11/2014	<0.16	13	5	<0.23	130	130B	278
		9/16/2014	<0.16	17	6.7	<0.23	170	150	343.7
		3/10/2015	<0.16	17	6.9	<0.23	170	160	353.9
		9/11/2015	<0.16	23	9.3	0.31J	190	160	382.61
		1/19/2016	<0.32	18	7.8	<0.46	200	-	225.8
		3/8/2016	<0.16	17	7.1	0.23J	210	180	414.33
		9/12/2016	<0.16	12	6.3	<0.23	190	210	418.3
0580-3	31–40	3/11/2014	<0.16	18	3.4	0.28J	40	31B	92.68
		9/16/2014	<0.16	16	3.4	0.23J	45	34	98.63
		3/10/2015	<0.16	18	3.8	0.23J	38	35	95.03
		9/11/2015	<0.16	18	4	0.31J	45	39	106.31
		3/8/2016	<0.16	17	3.7	0.3J	46	27	94
		9/12/2016	<0.16	17	3.6	0.23J	46J	39	105.83

Table 5 (continued). COPCs Concentrations at the Building 100 Area Since March 2014 (µg/L)[a]

Location	Screen Depth (ft bls)	Date Sampled	TCE	cDCE	tDCE	1,1-DCE	VC	1,4-Dioxane	TCOPCs[b]
Cleanup Target Level[c]			**30**	**700**	**1000**	**70**	**10**	**32**	
0581-1	9–18	3/10/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/15/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		3/9/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/11/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		3/9/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/9/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
0581-2	20–29	3/10/2014	<0.16	7.6J	0.58J	0.99J	14J	27J	50.17
		9/15/2014	<0.16	1.7	<0.15	<0.23	3.4	9.5	14.6
		3/9/2015	<0.16	2.6	0.26J	0.27J	7.2	10	20.33
		9/11/2015	<0.16	6.3	0.84J	0.69J	22	34J	63.83
		3/9/2016	<0.16	0.84J	0.17J	<0.23	3.7	5.9	10.61
		9/9/2016	<0.16	2.3	1.1	<0.23	22	75	100.4
0581-3	31–40	3/10/2014	<0.16	0.47J	<0.15	<0.23	0.48J	1.5	2.45
		9/15/2014	<0.16	0.63J	<0.15	<0.23	<0.1	4.2	4.83
		3/9/2015	<0.16	0.55J	<0.15	<0.23	0.56J	2.3	3.41
		9/11/2015	<0.16	0.46J	<0.15	<0.23	1	1.9	3.36
		3/9/2016	<0.16	1.4	<0.15	<0.23	2.8	8.9	13.1
		9/9/2016	<0.16	0.33J	<0.15	<0.23	1.3	9.5	11.13
0582-1	9–18	3/10/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/15/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		3/9/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/11/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		3/9/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/8/2016	<0.16	2.8	0.48J	<0.23	31	27	61.28
0582-2	20–29	3/10/2014	<0.16	17	4.9J	0.63J	110	150J	282.53
		9/15/2014	<0.16	21	5.3J	0.35J	250	290J	566.65
		3/9/2015	<0.16	21	7.5	0.39J	250	330	608.89
		9/11/2015	<0.16	0.59J	8.3	<0.23	59	350	417.89
		1/14/2016	<0.16	0.51J	5.8	<0.23	62	-	68.31
		3/9/2016	<0.16	<0.15	2.7	<0.23	22	130	154.7
		9/9/2016	<0.16	7.2	7.2	<0.23	120	110J	244.4
0582-3	31–40	3/10/2014	<0.16	0.56J	<0.15	<0.23	2.2	0.98J	3.74
		9/15/2014	<0.16	0.89J	<0.15	<0.23	3.3	3.3	7.49
		3/9/2015	<0.16	1.7	0.41J	<0.23	11	3.5	16.61
		9/11/2015	<0.16	0.91J	0.2J	<0.23	3.3	2.9	7.31
		3/9/2016	<0.16	1.3	0.19J	<0.23	4.5	6.5	12.49
		9/9/2016	<0.16	0.68J	0.21J	<0.23	7.5	5.5	13.89

Table 5 (continued). COPCs Concentrations at the Building 100 Area Since March 2014 (µg/L)[a]

Location	Screen Depth (ft bls)	Date Sampled	TCE	cDCE	tDCE	1,1-DCE	VC	1,4-Dioxane	TCOPCs[b]
Cleanup Target Level[c]			**30**	**700**	**1000**	**70**	**10**	**32**	
0583-1	9–18	3/11/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.71JB	ND
		9/16/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		3/10/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/11/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		3/9/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/8/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
0583-2	20–29	3/11/2014	<0.16	0.22J	2.4	<0.23	21	8.6B	32.22
		9/16/2014	<0.16	0.29J	0.72J	<0.23	6	3	10.01
		3/10/2015	<0.16	0.26J	0.37J	<0.23	5.7	3.7	10.03
		9/11/2015	<0.16	<0.15	0.34J	<0.23	3.7	2.2	6.24
		3/9/2016	<0.16	<0.15	0.25J	<0.23	6.7	2.8	9.75
		9/8/2016	<0.16	0.18J	0.32J	<0.23	5.1	2.1B	7.7
0583-3	31–40	3/11/2014	<0.16	<0.15	0.17J	<0.23	0.76J	<0.88JB	0.93
		9/16/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		3/10/2015	<0.16	<0.15	<0.15	<0.23	0.16J	<0.22	0.16
		9/11/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		3/9/2016	<0.16	<0.15	<0.15	<0.23	0.86J	0.4J	1.26
		9/8/2016	<0.16	<0.15	<0.15	<0.23	0.1J	<0.22	0.1
0584-1	9–18	3/8/2014	<0.16	<0.15	<0.15	<0.23	0.25J	2.1	2.35
		9/13/2014	<0.16	<0.15	<0.15	<0.23	<0.1	1.8	1.8
		3/7/2015	<0.16	<0.15	<0.15	<0.23	<0.1	2.4	2.4
		9/12/2015	<0.16	<0.15	<0.15	<0.23	0.14J	0.8J	0.94
		3/5/2016	<0.16	<0.15	<0.15	<0.23	<0.1	1.5	1.5
		9/10/2016	<0.16	<0.15	<0.15	<0.23	0.19J	<0.87JB	0.19
0584-2	20–29	3/8/2014	<0.16	0.34J	<0.15	<0.23	4	0.98J	5.32
		9/13/2014	<0.16	0.76J	<0.15	<0.23	5.2	0.89J	6.85
		3/7/2015	<0.16	1.8	<0.15	<0.23	11	0.89J	13.69
		9/12/2015	<0.16	2.5	<0.15	<0.23	34	<0.22	36.5
		3/5/2016	<0.16	12	0.49J	<0.23	97	0.89J	110.38
		9/10/2016	<0.16	39	1.2	0.76J	150	<1.2B	190.96
0584-3	31–40	3/8/2014	<0.16	0.35J	<0.15	<0.23	4.8	<0.22	5.15
		9/13/2014	<0.16	0.53J	<0.15	<0.23	7.8	<0.22	8.33
		3/7/2015	<0.16	0.96J	<0.15	<0.23	10	<0.22	10.96
		9/12/2015	<0.16	1	<0.15	<0.23	23	0.33J	24.33
		3/5/2016	<0.16	<0.94J	<0.15	<0.23	57	<0.22	57
		9/10/2016	<0.16	2	0.38J	<0.23	56	<1.1B	58.38

Table 5 (continued). COPCs Concentrations at the Building 100 Area Since March 2014 (µg/L)[a]

Location	Screen Depth (ft bls)	Date Sampled	TCE	cDCE	tDCE	1,1-DCE	VC	1,4-Dioxane	TCOPCs[b]
Cleanup Target Level[c]			**30**	**700**	**1000**	**70**	**10**	**32**	
0585-1	9–18	3/8/2014	0.17J	1.2	<0.15	<0.23	0.55J	2.3	4.22
		9/13/2014	<0.16	1.2	<0.15	<0.23	<0.1	3.8	5
		3/7/2015	1.4	24	0.45J	1.7	14	5.1	46.65
		9/12/2015	0.23J	3.9	0.24J	0.34J	1.9	4.2B	10.81
		3/5/2016	<0.16	<1.6	1.8	<0.23	57	5.7	64.5
		9/10/2016	<0.16	<0.15	0.42J	<0.23	2	5B	7.42
0585-2	20–29	3/8/2014	1,400J	5300	29	290	590	3.1J	7612.1
		9/13/2014	1,700	6300	59	540	900	4.6	9503.6
		3/7/2015	<3.2	4600	36	180	2100	9.1	6925.1
		9/12/2015	30	3600	44	150	4800	5.9BJ	8629.9
		1/19/2016	29J	2900	75	130	3400	-	6534
		3/5/2016	230	2800	41	170	2100	4.3J	5345.3
		9/10/2016	350	3400	48	190	2100	2.8BJ	6090.8
0585-3	31–40	3/8/2014	11	430	8.2	17	1200	1.5	1667.7
		9/13/2014	29	540	12	22	1400	2.3	2005.3
		3/7/2015	4.1	48	5.5	1.6J	490	<0.22	549.2
		9/12/2015	<0.64	19	5.7	<0.92	510J	2.4BJ	537.1
		3/5/2016	0.61J	<1.5	5.4	<0.23	130	2.8	138.81
		9/10/2016	0.19J	0.41J	4.2	<0.23	39	3.4B	47.2
0586-1	8–17	3/7/2014	<0.16	0.34J	<0.15	<0.23	<0.1	0.62J	0.96
		9/18/2014	<0.16	0.28J	<0.15	<0.23	<0.1	10	10.28
		3/12/2015	<0.16	0.55J	<0.15	<0.23	0.68J	1.2	2.43
		9/15/2015	<0.16	0.67J	<0.15	<0.23	2	0.57J	3.24
		3/4/2016	<0.16	0.37J	<0.15	<0.23	2.4	<0.22	2.77
		9/13/2016	<0.16	1.2	<0.15	<0.23	2.8	0.52J	4.52
0586-2	19–28	3/10/2014	<0.16	13	<0.15	0.44J	5.8	1	20.24
		9/18/2014	<0.16	10	<0.15	0.52J	5	3.6	19.12
		3/12/2015	<0.16	11	<0.15	0.42J	6.4	1.8	19.62
		9/15/2015	<0.16	11	<0.15	0.33J	8.3	1.5J	21.13
		1/19/2016	<0.16	15	<0.15	0.52J	8.6	-	24.12
		3/4/2016	<0.16	12	<0.15	0.48J	9	0.86J	22.34
		9/13/2016	<0.16	18	0.21J	0.65J	14	1.1	33.96
0586-3	30–39	3/10/2014	<0.16	<0.15	<0.15	<0.23	2.8	0.46J	3.26
		9/18/2014	<0.16	<0.15	<0.15	<0.23	5.2	0.47J	5.67
		3/12/2015	<0.16	<0.15	<0.15	<0.23	5.7	1.7	7.4
		9/15/2015	<0.16	<0.15	<0.15	<0.23	5.5	1.2J	6.7
		3/4/2016	<0.16	<0.15	<0.15	<0.23	3.7	0.67J	4.37
		9/13/2016	<0.16	0.2J	<0.15	<0.23	1.9	0.61J	2.71

Table 5 (continued). COPCs Concentrations at the Building 100 Area Since March 2014 (µg/L)[a]

Location	Screen Depth (ft bls)	Date Sampled	TCE	cDCE	tDCE	1,1-DCE	VC	1,4-Dioxane	TCOPCs[b]
Cleanup Target Level[c]			**30**	**700**	**1000**	**70**	**10**	**32**	
0587-1	9–18	3/12/2014	1.4J	670	5.6	30	310	0.74J	1017.74
		9/18/2014	<0.16	60	0.94J	2.2	86	0.7J	149.84
		3/12/2015	<0.16	2	0.27J	<0.23	4.4	<0.22	6.67
		9/13/2015	<0.16	0.2J	<0.15	<0.23	<0.1	<0.22	0.2
		3/4/2016	<0.16	<0.15	0.15J	<0.23	0.17J	<0.22	0.32
		9/13/2016	<0.16	0.17J	<0.15	<0.23	<0.1	0.43J	0.6
0587-2	20–29	3/12/2014	66J	3400	19	160	480J	2.2J	4127.2
		9/18/2014	360J	7600	50	400J	1500	5.2	9915.2
		3/12/2015	62	4300	43	210J	1900	<0.88	6515
		9/13/2015	10	100J	23	15	360	7.5B	515.5
		1/19/2016	4.5	60	14	6.2	110	-	194.7
		3/4/2016	3.4	36	15	4.1	100	6	164.5
		9/13/2016	0.75J	15	7.8	0.86J	17	13J	54.41
0587-3	31–40	3/12/2014	1.1	23	0.65J	2.5	93	1.3J	121.55
		9/18/2014	0.81J	260	3.9	13	550	3.2	830.91
		3/12/2015	0.27J	13	0.37J	0.29J	73	<0.88	86.93
		9/13/2015	<0.16	7.9	0.43J	<0.23	40	3B	51.33
		3/4/2016	<0.16	0.33J	0.29J	<0.23	1.3	2.5	4.42
		9/13/2016	<0.16	<0.15	<0.15	<0.23	<0.1	2.7	2.7
0588-1	9–18	3/12/2014	<0.16	0.42J	<0.15	<0.23	<0.1	<0.22	0.42
		9/18/2014	<0.16	0.23J	<0.15	<0.23	0.26J	<0.22	0.49
		3/12/2015	<0.16	0.16J	<0.15	<0.23	0.89J	9.8	10.85
		9/13/2015	<0.16	0.2J	<0.15	<0.23	1.5	1.5B	3.2
		3/7/2016	<0.16	<0.15	<0.15	<0.23	0.97J	<0.22	0.97
		9/13/2016	<0.16	0.25J	<0.15	<0.23	1.2	0.47J	1.92
0588-2	20–29	3/12/2014	<0.16	3.2	<0.15	<0.23	4.8	6.9J	14.9
		9/18/2014	<0.16	1.3	<0.15	<0.23	2.6	8.7	12.6
		3/12/2015	<0.16	2.8	<0.15	<0.23	3.5	12	18.3
		9/13/2015	<0.16	4.8	<0.15	<0.23	5.2	6.5B	16.5
		3/7/2016	<0.16	18	0.27J	<0.23	20	3.5	41.77
		9/13/2016	<0.16	18	0.19J	<0.23	19	2.8	39.99
0588-3	31–40	3/12/2014	<0.16	0.33J	<0.15	<0.23	2.7	0.92J	3.95
		9/18/2014	<0.16	0.24J	<0.15	<0.23	0.62J	1.2	2.06
		3/12/2015	<0.16	0.2J	<0.15	<0.23	0.82J	3	4.02
		9/13/2015	<0.16	0.26J	<0.15	<0.23	1.4	0.75JB	2.41
		3/7/2016	<0.16	<0.15	<0.15	<0.23	1	<0.22	1
		9/13/2016	<0.16	0.23J	<0.15	<0.23	1.5	0.88J	2.61

Table 5 (continued). COPCs Concentrations at the Building 100 Area Since March 2014 (µg/L)[a]

Location	Screen Depth (ft bls)	Date Sampled	TCE	cDCE	tDCE	1,1-DCE	VC	1,4-Dioxane	TCOPCs[b]
Cleanup Target Level[c]			**30**	**700**	**1000**	**70**	**10**	**32**	
S30B	5–15	3/6/2014	15	34	3.9	0.35J	4.7	1	58.95
		9/12/2014	12	23	2.8	0.28J	5.7	<0.22	43.78
		3/6/2015	18	53	6.3	0.62J	12	<0.22	89.92
		3/4/2016	15	38	5.2	0.62J	24	<0.22	82.82
		9/14/2016	11	46	6.4	0.63J	26	<0.88	90.03
S33C	11–21	3/6/2014	210	1,000	61	33	180	<0.22	1484
		9/12/2014	86J	280J	17J	11J	68J	<0.22	462
		3/6/2015	550	2,400	130	73	280	<2.2	3433
		3/4/2016	62	350	28	14	110	<0.22	564
		9/13/2016	24	130	11	4.8	38	<0.22	207.8
S35B	5–15	3/6/2014	6400	44,000	5900	860	11,000	<4.4	68,160
		9/12/2014	10,000	48,000	6000	830	9900	<2.2	74,730
		3/6/2015	11,000	54,000	6700	930	10,000	<22	82,630
		1/13/2016	19,000	45,000	4600	780	9300	-	78,680
		3/4/2016	21,000J	46,000	3900	660	9900	<44	81,460
		9/13/2016	37,000	48,000	4100	660	11,000	190J	100,950
S67B[d]	10–19.83	3/6/2014	<0.16	13	3	<0.23	230	84	330
		9/12/2014	0.2J	12J	3.3J	0.24J	180J	72J	267.74
		3/6/2015	<0.16	12	3	<0.23	220	87	322
		3/4/2016	<0.16	12	3.3	0.23J	230	80	325.53
S67C[d]	20–29.83	3/6/2014	<0.16	57	10	0.61J	120	49	236.61
		9/12/2014	0.64J	62J	12J	0.69J	210J	120J	405.33
		3/6/2015	<0.16	73	14	0.75J	65	25	177.75
		3/4/2016	<0.16	20	4.7	0.3J	190	79	294
S67D[d]	30–39.83	3/6/2014	<0.16	6.1	2.1	<0.23	10	1.5	19.7
		9/12/2014	0.27J	7.5	2.6	<0.23	7.7	2.1	20.17
		3/6/2015	<0.16	5.9	2	<0.23	8.4	2	18.3
		3/4/2016	<0.16	6.9	2.6	<0.23	14	1.9	25.4
S68B	10–20	3/12/2014	<0.16	<0.15	<0.15	<0.23	<0.1	0.48J	0.48
		9/17/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		3/11/2015	<0.16	<0.15	<0.15	<0.23	<0.1	2.1	2.1
		9/15/2015	<0.16	<0.15	<0.15	<0.23	<0.1	0.36J	0.36
		3/7/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/14/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
S68C	18–28	3/12/2014	<0.16	14	0.23J	<0.23	11	2.7J	27.93
		9/17/2014	<0.16	18	0.37J	<0.23	6.6	5.8	30.77
		3/11/2015	<0.16	11	0.32J	<0.23	7.5	6.9	25.72
		9/15/2015	<0.16	11	0.22J	<0.23	6.8	7.2J	25.22
		3/7/2016	<0.16	11	0.23J	<0.23	9.8	6	27.03
		9/14/2016	<0.16	14	0.23J	<0.23	9.7	5.1	29.03

Table 5 (continued). COPCs Concentrations at the Building 100 Area Since March 2014 (µg/L)[a]

Location	Screen Depth (ft bls)	Date Sampled	TCE	cDCE	tDCE	1,1-DCE	VC	1,4-Dioxane	TCOPCs[b]
Cleanup Target Level[c]			**30**	**700**	**1000**	**70**	**10**	**32**	
S68D	30–40	3/12/2014	<0.16	57	0.78J	<0.23	44	2.1	103.88
		9/17/2014	<0.16	54	0.81J	<0.23	27	1.9	83.71
		3/11/2015	<0.16	52	0.94J	<0.23	32	3.3	88.24
		9/15/2015	<0.16	47	0.54J	<0.23	16	2.1	65.64
		3/7/2016	<0.16	42	0.51J	<0.23	20	1.9	64.41
		9/14/2016	<0.16	50	0.85J	<0.23	31	1.9	83.75
S69B	10–20	3/12/2014	<0.16	<0.15	<0.15	<0.23	<0.1	0.9J	0.9
		9/18/2014	<0.16	<0.15	<0.15	<0.23	<0.1	1.5	1.5
		3/11/2015	<0.16	0.19J	<0.15	<0.23	<0.1	1.4	1.59
		9/16/2015	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		3/9/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/8/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
S69C	20–30	3/19/2014	<0.16	<0.15	<0.15	<0.23	<0.1	0.53J	0.53
		9/18/2014	<0.16	0.56J	0.16J	<0.23	0.34J	1	2.06
		3/11/2015	<0.16	0.8J	0.25J	<0.23	<0.1	3.3	4.35
		9/16/2015	<0.16	0.6J	0.18J	<0.23	0.18J	6.9	7.86
		3/9/2016	<0.16	0.63J	0.17J	<0.23	0.2J	1.2	2.2
		9/14/2016	<0.16	0.59J	0.18J	<0.23	0.48J	1.7	2.95
S69D	30–40	3/12/2014	<0.16	0.34J	<0.15	<0.23	0.4J	0.22J	0.96
		9/18/2014	<0.16	0.45J	<0.15	<0.23	0.44J	0.65J	1.54
		3/11/2015	<0.16	0.5J	<0.15	<0.23	0.35J	1.3	2.15
		9/16/2015	<0.16	0.4J	<0.15	<0.23	0.32J	0.9J	1.62
		3/9/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/12/2016	<0.16	0.41J	<0.15	<0.23	0.39J	2.5	3.3
S70B	10–20	3/12/2014	<0.16	12	0.37J	<0.23	5.3	0.5J	18.17
		9/13/2014	<0.16	14J	0.55J	<0.23	5.6J	<0.22	20.15
		3/7/2015	<0.16	12	0.54J	<0.23	4.8	<0.22	17.34
		9/16/2015	<0.16	14	0.5J	<0.23	4.4	0.99J	19.89
		3/8/2016	<0.16	12	0.46J	<0.23	4.2	<0.22	16.66
		9/14/2016	<0.16	12	0.49J	<0.23	3.7	0.59J	16.78
S70C	20–30	3/12/2014	<0.16	12	3.6	0.26J	13	19B	47.86
		9/13/2014	<0.16	12J	3.6J	<0.23	10J	15	40.6
		3/7/2015	<0.16	10	2.8	<0.23	6.9	12	31.7
		9/16/2015	<0.16	10	2.7	<0.23	6.2	17	35.9
		3/9/2016	<0.16	7.3	2	<0.23	5.4	17	31.7
		9/14/2016	<0.16	6.2	1.8	<0.23	5.3	18	31.3

Table 5 (continued). COPCs Concentrations at the Building 100 Area Since March 2014 (µg/L)[a]

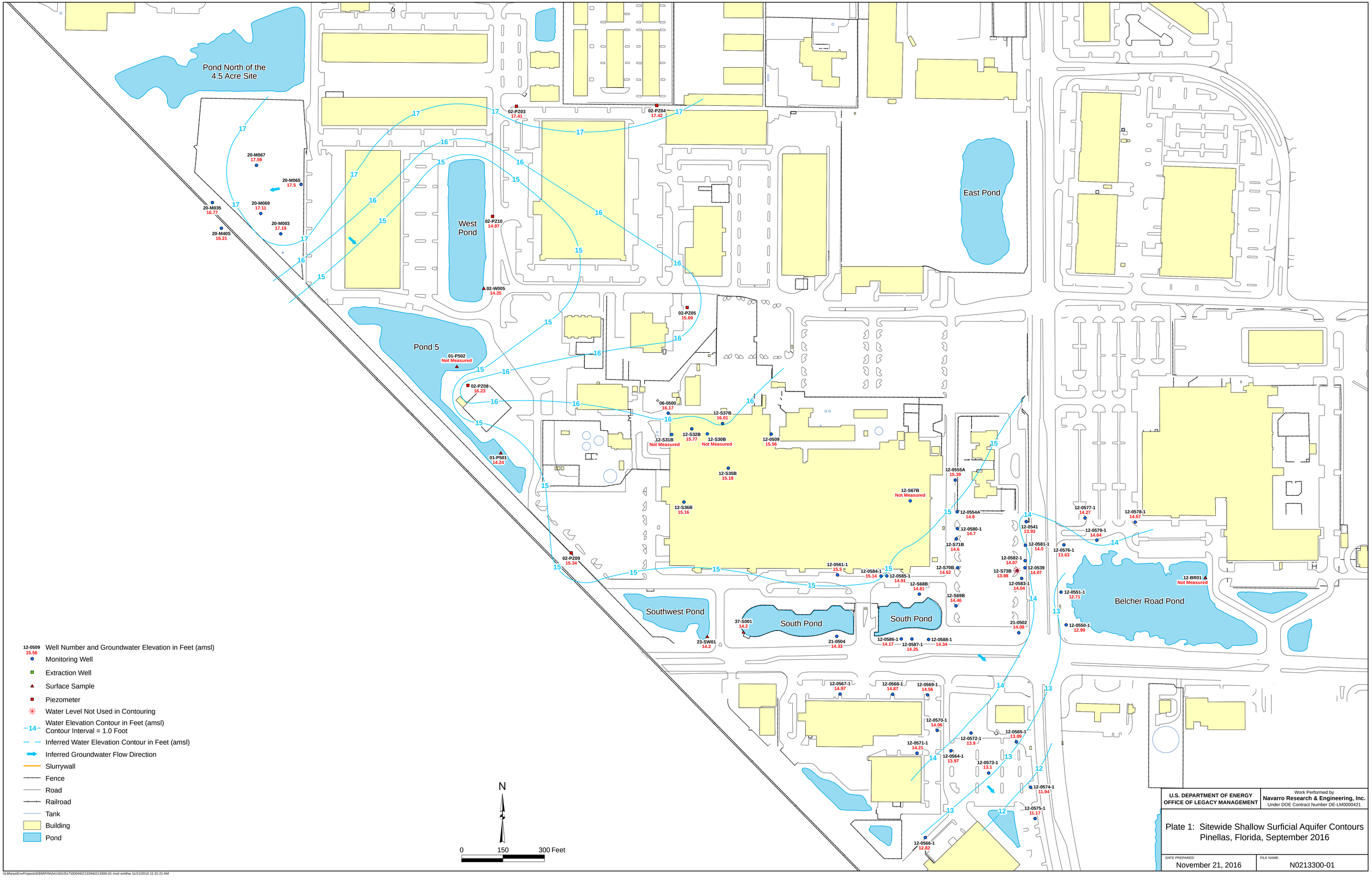
Location	Screen Depth (ft bls)	Date Sampled	TCE	cDCE	tDCE	1,1-DCE	VC	1,4-Dioxane	TCOPCs[b]
Cleanup Target Level[c]			**30**	**700**	**1000**	**70**	**10**	**32**	
S70D	30–40	3/12/2014	<0.16	18	6.5	0.46J	15	13B	52.96
		9/13/2014	<0.16	20J	7.4J	0.49J	14J	15	56.89
		3/7/2015	<0.16	19	6.6	0.6J	12	16	54.2
		9/16/2015	<0.16	19	6.8	0.44J	12	18	56.24
		3/9/2016	<0.16	17	6	0.46J	13	17	53.46
		9/14/2016	<0.16	18	7.5	0.65J	14	19	59.15
S71B	10–20	3/11/2014	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/17/2014	<0.16	<0.15	<0.15	<0.23	<0.1	1.2	1.2
		3/11/2015	<0.16	<0.15	<0.15	<0.23	<0.1	1.2	1.2
		9/16/2015	<0.16	<0.15	<0.15	<0.23	<0.1	0.82J	0.82
		3/8/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
		9/14/2016	<0.16	<0.15	<0.15	<0.23	<0.1	<0.22	ND
S71C	20–30	3/12/2014	<0.16	19	11	0.27J	57	22J	109.27
		9/17/2014	<0.16	5.8	3.5	<0.23	12	13	34.3
		3/11/2015	<0.16	13	8	<0.23	35	21	77
		9/16/2015	<0.16	19	11	<0.23	48	31	109
		3/8/2016	<0.16	15	11	0.26J	60	26	112.26
		9/14/2016	<0.16	21	15	0.34J	51	41	128.34
S71D	30–40	3/12/2014	<0.16	24	10	0.3J	48	17J	99.3
		9/17/2014	<0.16	22	9.4	0.29J	29	18	78.69
		3/11/2015	<0.16	27	12	0.5J	42	30	111.5
		9/16/2015	<0.16	27	12	0.35J	39	23EJ	101.35
		3/8/2016	<0.16	21	10	0.32J	42	17	90.32
		9/12/2016	<0.16	15	7.9	<0.23	42J	16	80.9
S73B	10–20	3/10/2014	<0.16	<0.15	<0.15	<0.23	0.88J	<0.22	0.88
		9/16/2014	<0.16	<0.15	<0.15	<0.23	0.36J	<0.22	0.36
		3/10/2015	<0.16	0.24J	0.16J	<0.23	0.81J	<0.22	1.21
		9/15/2015	<0.16	<0.15	<0.15	<0.23	0.71J	6.7	7.41
		3/9/2016	<0.16	<0.15	<0.15	<0.23	0.37J	<0.22	0.37
		9/8/2016	<0.16	<0.15	<0.15	<0.23	0.27J	<0.22	0.27
S73C	20–30	3/10/2014	<0.16	5.1	6.5	<0.23	110	60	181.6
		9/16/2014	<0.16	11	14	<0.23	110	100	235
		3/10/2015	<0.16	11	14	0.27J	130	130	285.27
		9/15/2015	<0.16	7.2	17	<0.23	110	88	222.2
		3/9/2016	<0.16	5.1	12	<0.23	79	75	171.1
		9/8/2016	<0.16	1.4	5.5	<0.23	32	30B	68.9

Table 5 (continued). COPCs Concentrations at the Building 100 Area Since March 2014 (µg/L)[a]

Location	Screen Depth (ft bls)	Date Sampled	TCE	cDCE	tDCE	1,1-DCE	VC	1,4-Dioxane	TCOPCs[b]
Cleanup Target Level[c]			**30**	**700**	**1000**	**70**	**10**	**32**	
S73D	30–40	3/10/2014	<0.16	0.16J	0.4J	<0.23	2.8	4.8	8.16
		9/16/2014	<0.16	<0.15	0.72J	<0.23	5.9	8	14.62
		3/10/2015	<0.16	<0.15	0.43J	<0.23	2.9	8.6J	11.93
		9/11/2015	<0.16	<0.15	0.62J	<0.23	4.4	9.7	14.72
		3/9/2016	<0.16	<0.15	0.85J	<0.23	3.4	11	15.25
		9/8/2016	<0.16	<0.15	0.75J	<0.23	1.1	12B	13.85

Notes:
[a] Micrograms per liter.
[b] Some TCOPCs values are rounded.
[c] The offsite cleanup target level is a factor of 10 lower than the listed onsite (poor water quality) cleanup target level.
[d] Not sampled in September 2016.
Values preceded by "<" are method detection limits.

Abbreviations:
– = not measured
B = analyte present in associated method blank
E = analyte exceeded calibration range of the instrument
ft bls = feet below land surface
H = missed holding time
J = estimated value
ND = not detected



12-0509 15.56 Well Number and Groundwater Elevation in Feet (amsl)

- Monitoring Well
- Extraction Well
- Surface Sample
- Piezometer
- Water Level Not Used in Contouring
- Water Elevation Contour in Feet (amsl) Contour Interval = 1.0 Foot
- Inferred Water Elevation Contour in Feet (amsl)
- Inferred Groundwater Flow Direction
- Slurrywall
- Fence
- Road
- Railroad
- Tank
- Building
- Pond

U.S. DEPARTMENT OF ENERGY OFFICE OF LEGACY MANAGEMENT	Work Performed by Navarro Research & Engineering, Inc. Under DOE Contract Number DE-LM0000421

Plate 1: Sitewide Shallow Surficial Aquifer Contours Pinellas, Florida, September 2016

DATE PREPARED:	FILE NAME:
November 21, 2016	N0213300-01

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Pond North of the 4.5 Acre Site

West Pond

East Pond

Pond 5

Southwest Pond

South Pond

South Pond

Belcher Road Pond

20-M38D 14.92
20-M015 17.29
20-0502 17.13
20-M056 17.04
20-M001 17.34
20-M053 16.81
20-M057 16.87
20-M066 17.41
20-M41D 16.39
20-M18D 16.86
20-M058 16.95
20-M068 17.05
20-M40D 16.62
20-M059 16.9
20-M005 16.88
20-M036 16.62
02-PZ11 16.05
12-0520 16.1
12-0521 16.09
12-S67D Not Measured
12-0555C 14.93
12-0554C 14.68
12-0549 14.07
12-0580-3 14.67
12-S71D 14.63
12-0581-3 14.07
12-0582-3 14.08
12-0561-3 15.48
12-0585-3 14.9
12-0524 14.81
12-0584-3 14.95
12-S70D 14.51
12-S73D 13.52
12-0583-3 14.15
12-S68D 14.62
12-S69D 14.43
12-0586-3 14.52
12-0587-3 14.49
12-0588-3 14.42
12-PZ02 14.62
12-0577-3 14.19
12-PZ01 13.94
12-0578-3 14.53
12-0576-3 13.74
12-0579-3 13.97
12-PZ03 13.68
12-0551-3 13.2
12-0550-3 13.29
12-0567-3 14.94
12-0568-3 14.7
12-0569-3 14.44
12-0572-2 13.84
12-0570-3 13.94
12-0565-3 12.98
12-0571-3 14.21
12-0564-3 13.83
12-0573-3 13.06
12-0574-3 11.99
12-0575-2 11.22
12-0566-3 12.92

15 16 17 16 17 16 16 16 16 15 15 14 14 13 13 12 12 13

20-M001 17.34 Well Number and Groundwater Elevation in Feet (amsl)
Monitoring Well
Extraction Well
Surface Sample
Piezometer
Water Level Not Used in Contouring
14 Water Elevation Contour in Feet (amsl) Contour Interval = 1.0 Foot
Inferred Water Elevation Contour in Feet (amsl)
Inferred Groundwater Flow Direction
Slurrywall
Fence
Road
Railroad
Tank
Building
Pond

N

0 150 300 Feet

U.S. DEPARTMENT OF ENERGY
OFFICE OF LEGACY MANAGEMENT

Work Performed by
Navarro Research & Engineering, Inc.
Under DOE Contract Number DE-LM0000421

Plate 2: Sitewide Deep Surficial Aquifer Contours Pinellas, Florida, September 2016

DATE PREPARED: November 21, 2016

FILE NAME: N0213300-02

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Appendix A

Laboratory Reports

September 2016 Semiannual Monitoring

ANALYTICAL REPORT

Job Number: 280-88072-1

SDG Number: 16087996

Job Description: PINELLAS MONITORING

For:
Navarro Research and Engineering, Inc
2597 Legacy Way
Grand Junction, CO 81503

Attention: Mr. Steve Donivan

Approved for release.
DiLea R Bindel
Project Manager I
9/23/2016 6:52 PM

DiLea R Bindel, Project Manager I
4955 Yarrow Street, Arvada, CO, 80002
(303)736-0173
dilea.bindel@testamericainc.com
09/23/2016

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is 4025.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

Pages have been deleted from this laboratory report file to reduce file size. The deleted pages contain raw data and instrument calibrations. If the full laboratory report is needed, contact Scott.Surovchak@lm.doe.gov

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Table of Contents

CASE NARRATIVE

Client: Navarro Research and Engineering, Inc

Project: PINELLAS MONITORING - 16087996

Report Number: 280-88072-1

With exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. All laboratory quality control samples analyzed in conjunction with the samples in this project were within established control limits, with any exceptions noted. Calculations are performed before rounding to avoid round-off errors in calculated results.

This report includes reporting limits (RLs) less than TestAmerica Denver's practical quantitation limits. These reporting limits are being used specifically at the client's request to meet the needs of this project. Please note that data are not normally reported to these levels without qualification, since they are inherently less reliable and potentially less defensible than required by the current NELAC standards.

Results between the method detection limit (MDL) and reporting limit (RL) are flagged with a "J" qualifier to indicate an estimated value. These results are statistically less reliable than results greater than or equal to the RL and should be considered a qualitative value.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 9/13/2016 9:35 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 0.6º C and 2.1º C.

Two of four voa vials for samples PIN12-0539 (OJS 846) and PIN12-0554B (OJS 854) were received broken. Sufficient volume was available for the requested analysis.

One of four vials for each of the following samples was received broken: PIN12-0554A (OJS 853), PIN-0578-1 (OJS 917), PIN12-0579-3 (OJS 922), and PIN12-0583-3 (OJS 933). Sufficient volume is available for the requested analysis. Client was notified on 9/14/16

One of four vials for sample PIN12-0573-2 (OJS 900) was received with head space. Sufficient sample volume was received to perform the requested analyses. However, analytical results may be potentially biased low if re-analysis is requested or required due to headspace.

One of three vials for sample PIN12-0583-3 (OJS 933) was received with headspace greater than 6mm in diameter. Sufficient sample volume was received to perform the requested analyses. However, analytical results may be potentially biased low if re-analysis is requested or required due to headspace. Client was notified on 9/14/2016.

GC/MS VOLATILES - SW846 8260B

In some cases, due to high concentrations of target analytes, samples had to be analyzed using reduced aliquot sizes. The reporting limits have been elevated accordingly. To provide the lowest possible detection limits, multiple runs are reported.

Due to matrix interference, the surrogate recovery for sample PIN12-2454 (OJS 946) was outside control limits for dibromofluoromethane (121%, limits 77-120%).

1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene were detected in method blank MB 280-342652/8 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Methylene Chloride, a common laboratory contaminant, was detected in method blank MB 280-342810/8 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

The surrogate recovery for method blank associated with batch 280-343232 was outside the upper control limit for dibromofluoromethane (123%, limits 77-120%). This sample did not contain any target analytes associated with this surrogate; therefore, re-extraction and/or re-analysis were not performed.

Methylene chloride, a common laboratory contaminant, is present in the method blank associated with batch 280-342848. Because this common laboratory contaminant is present in the method blank at a level that is less than five times the reporting limit, corrective action is not required.

Methylene chloride, a common laboratory contaminant, is present in the method blank associated with batch 280-343048. Because this common laboratory contaminant is present in the method blank at a level that is less than five times the reporting limit, corrective action is

not required.

2,2-Dichloropropane was recovered outside the QC control limits at 64% in the LCS associated with batch 280-3430485. Although 2,2-Dichloropropane was recovered outside current historical control limits, the recovery was within the allowed Marginal Exceedance control limits (56-141%). This marginal exceedance has been determined to be sporadic, not systematic. All other quality control acceptance criteria have been met.

Acetone was recovered outside the QC control limits at 170% in the LCSD associated with batch 280-342652. Although Acetone was recovered outside current historical control limits, the recovery was within the allowed Marginal Exceedance control limits (32-174%). This marginal exceedance has been determined to be sporadic, not systematic. All other quality control acceptance criteria have been met.

Methylene chloride, recovered outside the control limits, biased high, in the laboratory control sample (LCS) associated with analytical batch 280-342810. This analyte is a common laboratory contaminant causing the high failure; therefore, the data have been reported.

1,2-Dichloroethane recovered outside the control limits, biased high, in the laboratory control sample (LCS) associated with batch 280-342652. As no detectable concentrations are present in the associated samples, corrective action is deemed unnecessary. Usability of the sample data is not compromised.

It was noted that Methylene Chloride contamination was present in the laboratory and caused the LCS to fail the acceptance limits in the LCS sample associated with batch 280-342848. Methylene Chloride was recovered at 176% (54-141%).

Several analytes failed the recovery criteria high for the MSD associated with batch 280-343037 and Dibromofluoromethane (Surr) failed the recovery criteria high for the MSD. In addition, several analytes exceeded the RPD limit.

1,1,1-Trichloroethane, 1,1-Dichloroethene and Carbon tetrachloride exceeded the RPD limit for the MSD associated with batch 280-343048.

The Internal standard (ISTD) response for TBA-d9 in the following sample was outside acceptance criteria: PIN12-0525 (280-88072-2). This ISTD does not correspond to any of the requested target compounds; therefore, the data have been reported.

Internal standard (ISTD) response for TBA-d9 for the following samples was below the acceptance criteria: PIN12-0584-2 (280-88072-45) and PIN12-0584-3 (280-88072-46). This ISTD does not correspond to any of the requested target compounds; therefore, the data have been reported.

The initial calibration curve analyzed in batch 280-342022 was outside acceptance criteria for 2-Butanone (MEK). The lowest point is above the standard RL on this ICAL. The lowest point is 8.0 while normally it is 6.0. As the holding time expired and the associated sample results were non-detect for this analyte, data is reported as is.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS VOLATILES - SW846 8260B SIM - 1,4-Dioxane

The reported value provided for the following analyte falls above the laboratory's highest calibration standard for 1,4-Dioxane at 25ug/L (calibration 1-20ug/l). The sample did not appear to over-saturate the detector however, sample results reported above the highest calibration standard have less certainty (i.e., are estimated). There is insufficient sample remaining for reanalysis (only 2 VOA vials received for 2 VOA analyses).

1,4-Dioxane was detected in method blank MB 280-342632/5 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DATA REPORTING QUALIFIERS

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	U	Indicates the analyte was analyzed for but not detected.
	*	LCS or LCSD is outside acceptance limits.
	F1	MS and/or MSD Recovery is outside acceptance limits.
	F2	MS/MSD RPD exceeds control limits
	E	Result exceeded calibration range.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits

SAMPLE SUMMARY

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-88072-1	PIN12-0524	Water	09/10/2016 0905	09/13/2016 0935
280-88072-1MS	PIN12-0524	Water	09/10/2016 0905	09/13/2016 0935
280-88072-1MSD	PIN12-0524	Water	09/10/2016 0905	09/13/2016 0935
280-88072-2	PIN12-0525	Water	09/10/2016 0820	09/13/2016 0935
280-88072-3	PIN12-0539	Water	09/08/2016 1630	09/13/2016 0935
280-88072-4	PIN12-0540	Water	09/08/2016 1540	09/13/2016 0935
280-88072-5	PIN12-0554A	Water	09/08/2016 1350	09/13/2016 0935
280-88072-6	PIN12-0554B	Water	09/08/2016 1415	09/13/2016 0935
280-88072-7	PIN12-0554C	Water	09/08/2016 1450	09/13/2016 0935
280-88072-8	PIN12-0555A	Water	09/08/2016 1410	09/13/2016 0935
280-88072-9	PIN12-0555B	Water	09/08/2016 1450	09/13/2016 0935
280-88072-10	PIN12-0555C	Water	09/08/2016 1535	09/13/2016 0935
280-88072-11	PIN12-0561-1	Water	09/10/2016 1130	09/13/2016 0935
280-88072-12	PIN12-0561-2	Water	09/10/2016 1150	09/13/2016 0935
280-88072-13	PIN12-0561-3	Water	09/10/2016 1220	09/13/2016 0935
280-88072-14	PIN12-0568-1	Water	09/10/2016 0945	09/13/2016 0935
280-88072-15	PIN12-0568-2	Water	09/10/2016 1015	09/13/2016 0935
280-88072-16	PIN12-0568-3	Water	09/10/2016 1040	09/13/2016 0935
280-88072-17	PIN12-0569-1	Water	09/09/2016 1430	09/13/2016 0935
280-88072-18	PIN12-0569-2	Water	09/09/2016 1515	09/13/2016 0935
280-88072-19	PIN12-0569-3	Water	09/09/2016 1545	09/13/2016 0935
280-88072-20	PIN12-0570-1	Water	09/10/2016 0810	09/13/2016 0935
280-88072-21	PIN12-0570-2	Water	09/10/2016 0830	09/13/2016 0935
280-88072-22	PIN12-0570-3	Water	09/10/2016 0910	09/13/2016 0935
280-88072-23	PIN12-0573-1	Water	09/09/2016 0840	09/13/2016 0935
280-88072-24	PIN12-0573-2	Water	09/09/2016 0920	09/13/2016 0935
280-88072-25	PIN12-0573-3	Water	09/09/2016 1050	09/13/2016 0935
280-88072-26	PIN12-0577-1	Water	09/09/2016 1245	09/13/2016 0935
280-88072-27	PIN12-0577-2	Water	09/09/2016 1305	09/13/2016 0935
280-88072-28	PIN12-0577-3	Water	09/09/2016 1330	09/13/2016 0935
280-88072-29	PIN12-0578-1	Water	09/09/2016 1515	09/13/2016 0935
280-88072-30	PIN12-0578-2	Water	09/09/2016 1535	09/13/2016 0935
280-88072-31	PIN12-0578-3	Water	09/09/2016 1605	09/13/2016 0935
280-88072-32	PIN12-0579-1	Water	09/09/2016 1345	09/13/2016 0935
280-88072-33	PIN12-0579-2	Water	09/09/2016 1400	09/13/2016 0935
280-88072-34	PIN12-0579-3	Water	09/09/2016 1435	09/13/2016 0935
280-88072-35	PIN12-0581-1	Water	09/09/2016 1640	09/13/2016 0935
280-88072-36	PIN12-0581-2	Water	09/09/2016 1705	09/13/2016 0935
280-88072-37	PIN12-0581-3	Water	09/09/2016 1740	09/13/2016 0935
280-88072-38	PIN12-0582-1	Water	09/09/2016 1645	09/13/2016 0935
280-88072-39	PIN12-0582-2	Water	09/08/2016 1635	09/13/2016 0935
280-88072-40	PIN12-0582-3	Water	09/09/2016 1705	09/13/2016 0935
280-88072-41	PIN12-0583-1	Water	09/09/2016 0910	09/13/2016 0935
280-88072-42	PIN12-0583-2	Water	09/08/2016 0950	09/13/2016 0935
280-88072-43	PIN12-0583-3	Water	09/08/2016 1035	09/13/2016 0935
280-88072-44	PIN12-0584-1	Water	09/10/2016 1245	09/13/2016 0935
280-88072-45	PIN12-0584-2	Water	09/10/2016 1315	09/13/2016 0935
280-88072-46	PIN12-0584-3	Water	09/10/2016 1310	09/13/2016 0935
280-88072-47	PIN12-0585-1	Water	09/10/2016 0950	09/13/2016 0935
280-88072-48	PIN12-0585-2	Water	09/10/2016 1010	09/13/2016 0935
280-88072-49	PIN12-0585-3	Water	09/10/2016 1210	09/13/2016 0935
280-88072-50	PIN12-2198	Water	09/08/2016 0800	09/13/2016 0935

SAMPLE SUMMARY

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-88072-50MS	PIN12-2198	Water	09/08/2016 0800	09/13/2016 0935
280-88072-50MSD	PIN12-2198	Water	09/08/2016 0800	09/13/2016 0935
280-88072-51	PIN12-2450	Water	09/09/2016 1440	09/13/2016 0935
280-88072-52	PIN12-2453	Water	09/09/2016 1600	09/13/2016 0935
280-88072-53	PIN12-2454	Water	09/10/2016 1200	09/13/2016 0935
280-88072-54	PIN12-2690	Water	09/08/2016 0800	09/13/2016 0935
280-88072-55	PIN12-S69B	Water	09/08/2016 1135	09/13/2016 0935
280-88072-56	PIN12-S73B	Water	09/08/2016 0910	09/13/2016 0935
280-88072-57	PIN12-S73C	Water	09/08/2016 0950	09/13/2016 0935
280-88072-58	PIN12-S73D	Water	09/08/2016 1115	09/13/2016 0935

EXECUTIVE SUMMARY - Detections

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-88072-1	**PIN12-0524**					
cis-1,2-Dichloroethene		12		1.0	ug/L	8260B
Vinyl chloride		9.6		1.0	ug/L	8260B
1,4-Dioxane		1.8		1.0	ug/L	8260B SIM
280-88072-2	**PIN12-0525**					
cis-1,2-Dichloroethene		1.5		1.0	ug/L	8260B
1,4-Dioxane		2.7		1.0	ug/L	8260B SIM
280-88072-3	**PIN12-0539**					
Acetone		5.5	J	10	ug/L	8260B
1,1-Dichloroethane		2.7		1.0	ug/L	8260B
trans-1,2-Dichloroethene		4.0		1.0	ug/L	8260B
Toluene		0.18	J	1.0	ug/L	8260B
Vinyl chloride		10		1.0	ug/L	8260B
1,4-Dioxane		25	E	1.0	ug/L	8260B SIM
280-88072-4	**PIN12-0540**					
1,1-Dichloroethane		3.6		2.0	ug/L	8260B
trans-1,2-Dichloroethene		6.6		2.0	ug/L	8260B
Toluene		0.93	J	2.0	ug/L	8260B
Vinyl chloride		44		2.0	ug/L	8260B
1,4-Dioxane		67		10	ug/L	8260B SIM
280-88072-5	**PIN12-0554A**					
1,4-Dioxane		0.34	J	1.0	ug/L	8260B SIM
280-88072-6	**PIN12-0554B**					
Acetone		3.7	J	10	ug/L	8260B
1,4-Dioxane		0.69	J	1.0	ug/L	8260B SIM
280-88072-7	**PIN12-0554C**					
Acetone		3.8	J	10	ug/L	8260B
1,1-Dichloroethane		40		1.0	ug/L	8260B
cis-1,2-Dichloroethene		11		1.0	ug/L	8260B
trans-1,2-Dichloroethene		4.7		1.0	ug/L	8260B
1,1-Dichloroethene		0.44	J	1.0	ug/L	8260B
Vinyl chloride		48		1.0	ug/L	8260B
1,4-Dioxane		37		4.0	ug/L	8260B SIM

EXECUTIVE SUMMARY - Detections

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-88072-10	**PIN12-0555C**					
cis-1,2-Dichloroethene		0.90	J	1.0	ug/L	8260B
trans-1,2-Dichloroethene		0.27	J	1.0	ug/L	8260B
280-88072-13	**PIN12-0561-3**					
1,4-Dioxane		0.77	J	1.0	ug/L	8260B SIM
280-88072-16	**PIN12-0568-3**					
Acetone		2.8	J	10	ug/L	8260B
280-88072-17	**PIN12-0569-1**					
Acetone		2.1	J	10	ug/L	8260B
280-88072-18	**PIN12-0569-2**					
cis-1,2-Dichloroethene		0.70	J	1.0	ug/L	8260B
Vinyl chloride		2.2		1.0	ug/L	8260B
1,4-Dioxane		1.9		1.0	ug/L	8260B SIM
280-88072-19	**PIN12-0569-3**					
Toluene		0.44	J	1.0	ug/L	8260B
Vinyl chloride		5.5		1.0	ug/L	8260B
1,4-Dioxane		1.5		1.0	ug/L	8260B SIM
280-88072-21	**PIN12-0570-2**					
Methylene Chloride		0.65	J * B	1.0	ug/L	8260B
Vinyl chloride		0.52	J	1.0	ug/L	8260B
1,4-Dioxane		0.99	J	1.0	ug/L	8260B SIM
280-88072-22	**PIN12-0570-3**					
Methylene Chloride		0.59	J * B	1.0	ug/L	8260B
Vinyl chloride		2.7		1.0	ug/L	8260B
1,4-Dioxane		1.1		1.0	ug/L	8260B SIM
280-88072-23	**PIN12-0573-1**					
Methylene Chloride		0.39	J	1.0	ug/L	8260B

EXECUTIVE SUMMARY - Detections

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-88072-24	**PIN12-0573-2**					
Methylene Chloride		0.34	J	1.0	ug/L	8260B
1,4-Dioxane		0.78	J	1.0	ug/L	8260B SIM
280-88072-25	**PIN12-0573-3**					
Methylene Chloride		1.2	* B	1.0	ug/L	8260B
280-88072-26	**PIN12-0577-1**					
Acetone		4.4	J *	10	ug/L	8260B
280-88072-27	**PIN12-0577-2**					
Methylene Chloride		1.1	* B	1.0	ug/L	8260B
280-88072-29	**PIN12-0578-1**					
Methylene Chloride		1.3	* B	1.0	ug/L	8260B
280-88072-30	**PIN12-0578-2**					
Methylene Chloride		0.99	J * B	1.0	ug/L	8260B
280-88072-31	**PIN12-0578-3**					
Chloromethane		0.65	J	1.0	ug/L	8260B
Methylene Chloride		1.1	* B	1.0	ug/L	8260B
280-88072-34	**PIN12-0579-3**					
Acetone		4.4	J	10	ug/L	8260B
280-88072-35	**PIN12-0581-1**					
Acetone		8.6	J	10	ug/L	8260B
280-88072-36	**PIN12-0581-2**					
Acetone		5.9	J	10	ug/L	8260B
1,1-Dichloroethane		34		1.0	ug/L	8260B
cis-1,2-Dichloroethene		2.3		1.0	ug/L	8260B
trans-1,2-Dichloroethene		1.1		1.0	ug/L	8260B
Vinyl chloride		22		1.0	ug/L	8260B
1,4-Dioxane		75		10	ug/L	8260B SIM

EXECUTIVE SUMMARY - Detections

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-88072-37	**PIN12-0581-3**					
1,1-Dichloroethane		0.92	J	1.0	ug/L	8260B
cis-1,2-Dichloroethene		0.33	J	1.0	ug/L	8260B
Vinyl chloride		1.3		1.0	ug/L	8260B
1,4-Dioxane		9.5		1.0	ug/L	8260B SIM
280-88072-38	**PIN12-0582-1**					
1,1-Dichloroethane		1.9		1.0	ug/L	8260B
cis-1,2-Dichloroethene		2.8		1.0	ug/L	8260B
trans-1,2-Dichloroethene		0.48	J	1.0	ug/L	8260B
Vinyl chloride		31		1.0	ug/L	8260B
1,4-Dioxane		27		4.0	ug/L	8260B SIM
280-88072-39	**PIN12-0582-2**					
1,1-Dichloroethane		12		1.0	ug/L	8260B
cis-1,2-Dichloroethene		7.2		1.0	ug/L	8260B
trans-1,2-Dichloroethene		7.2		1.0	ug/L	8260B
Vinyl chloride		120		10	ug/L	8260B
1,4-Dioxane		110		20	ug/L	8260B SIM
280-88072-40	**PIN12-0582-3**					
1,1-Dichloroethane		0.73	J	1.0	ug/L	8260B
cis-1,2-Dichloroethene		0.68	J	1.0	ug/L	8260B
trans-1,2-Dichloroethene		0.21	J	1.0	ug/L	8260B
Vinyl chloride		7.5		1.0	ug/L	8260B
1,4-Dioxane		5.5		1.0	ug/L	8260B SIM
280-88072-42	**PIN12-0583-2**					
Acetone		3.3	J	10	ug/L	8260B
1,1-Dichloroethane		0.28	J	1.0	ug/L	8260B
cis-1,2-Dichloroethene		0.18	J	1.0	ug/L	8260B
trans-1,2-Dichloroethene		0.32	J	1.0	ug/L	8260B
Vinyl chloride		5.1		1.0	ug/L	8260B
1,4-Dioxane		2.1	B	1.0	ug/L	8260B SIM
280-88072-43	**PIN12-0583-3**					
Methylene Chloride		2.1	* B	1.0	ug/L	8260B
Toluene		0.70	J	1.0	ug/L	8260B
Vinyl chloride		0.10	J	1.0	ug/L	8260B

EXECUTIVE SUMMARY - Detections

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-88072-44	**PIN12-0584-1**					
Methylene Chloride		0.57	J * B	1.0	ug/L	8260B
Vinyl chloride		0.19	J	1.0	ug/L	8260B
1,4-Dioxane		0.87	J B	1.0	ug/L	8260B SIM
280-88072-45	**PIN12-0584-2**					
1,1-Dichloroethane		0.30	J	1.0	ug/L	8260B
cis-1,2-Dichloroethene		39		1.0	ug/L	8260B
trans-1,2-Dichloroethene		1.2		1.0	ug/L	8260B
1,1-Dichloroethene		0.76	J	1.0	ug/L	8260B
Methylene Chloride		0.71	J * B	1.0	ug/L	8260B
Vinyl chloride		150		4.0	ug/L	8260B
1,4-Dioxane		1.2	B	1.0	ug/L	8260B SIM
280-88072-46	**PIN12-0584-3**					
cis-1,2-Dichloroethene		2.0		1.0	ug/L	8260B
trans-1,2-Dichloroethene		0.38	J	1.0	ug/L	8260B
Methylene Chloride		0.61	J * B	1.0	ug/L	8260B
Vinyl chloride		56		4.0	ug/L	8260B
1,4-Dioxane		1.1	B	1.0	ug/L	8260B SIM
280-88072-47	**PIN12-0585-1**					
trans-1,2-Dichloroethene		0.42	J	1.0	ug/L	8260B
4-Isopropyltoluene		2.0		1.0	ug/L	8260B
Vinyl chloride		2.0		1.0	ug/L	8260B
1,4-Dioxane		5.0	B	1.0	ug/L	8260B SIM
280-88072-48	**PIN12-0585-2**					
cis-1,2-Dichloroethene		3400		100	ug/L	8260B
trans-1,2-Dichloroethene		48		10	ug/L	8260B
1,1-Dichloroethene		190		10	ug/L	8260B
Toluene		2.8	J	10	ug/L	8260B
Trichloroethene		350		10	ug/L	8260B
Vinyl chloride		2100		100	ug/L	8260B
1,4-Dioxane		2.8	B	1.0	ug/L	8260B SIM

EXECUTIVE SUMMARY - Detections

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-88072-49	**PIN12-0585-3**					
Acetone		3.3	J	10	ug/L	8260B
Benzene		0.26	J	1.0	ug/L	8260B
2-Butanone (MEK)		11		5.0	ug/L	8260B
1,1-Dichloroethane		0.31	J	1.0	ug/L	8260B
cis-1,2-Dichloroethene		0.41	J	1.0	ug/L	8260B
trans-1,2-Dichloroethene		4.2		1.0	ug/L	8260B
Toluene		0.48	J	1.0	ug/L	8260B
Trichloroethene		0.19	J	1.0	ug/L	8260B
Vinyl chloride		39		1.0	ug/L	8260B
1,4-Dioxane		3.4	B	1.0	ug/L	8260B SIM
280-88072-50	**PIN12-2198**					
Methylene Chloride		0.45	J F1	1.0	ug/L	8260B
280-88072-51	**PIN12-2450**					
Acetone		2.4	J	10	ug/L	8260B
Toluene		0.46	J	1.0	ug/L	8260B
Vinyl chloride		4.5		1.0	ug/L	8260B
1,4-Dioxane		1.3	B	1.0	ug/L	8260B SIM
280-88072-52	**PIN12-2453**					
Acetone		2.1	J	10	ug/L	8260B
1,1-Dichloroethane		11		1.0	ug/L	8260B
cis-1,2-Dichloroethene		6.4		1.0	ug/L	8260B
trans-1,2-Dichloroethene		6.4		1.0	ug/L	8260B
Methylene Chloride		0.76	J B	1.0	ug/L	8260B
Vinyl chloride		130		10	ug/L	8260B
1,4-Dioxane		150	B	20	ug/L	8260B SIM
280-88072-53	**PIN12-2454**					
cis-1,2-Dichloroethene		3500		100	ug/L	8260B
trans-1,2-Dichloroethene		46		10	ug/L	8260B
1,1-Dichloroethene		160		10	ug/L	8260B
Toluene		2.7	J	10	ug/L	8260B
Trichloroethene		350		10	ug/L	8260B
Vinyl chloride		2000		100	ug/L	8260B
1,4-Dioxane		3.4	B	1.0	ug/L	8260B SIM

EXECUTIVE SUMMARY - Detections

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-88072-54	**PIN12-2690**					
Acetone		2.5	J	10	ug/L	8260B
Methylene Chloride		0.33	J * B	1.0	ug/L	8260B
280-88072-56	**PIN12-S73B**					
Acetone		4.0	J	10	ug/L	8260B
Toluene		0.37	J	1.0	ug/L	8260B
Vinyl chloride		0.27	J	1.0	ug/L	8260B
280-88072-57	**PIN12-S73C**					
Acetone		7.2	J	10	ug/L	8260B
1,1-Dichloroethane		1.4		1.0	ug/L	8260B
cis-1,2-Dichloroethene		1.4		1.0	ug/L	8260B
trans-1,2-Dichloroethene		5.5		1.0	ug/L	8260B
Vinyl chloride		32		1.0	ug/L	8260B
1,4-Dioxane		30	B	4.0	ug/L	8260B SIM
280-88072-58	**PIN12-S73D**					
Acetone		6.5	J	10	ug/L	8260B
1,1-Dichloroethane		0.41	J	1.0	ug/L	8260B
trans-1,2-Dichloroethene		0.75	J	1.0	ug/L	8260B
Vinyl chloride		1.1		1.0	ug/L	8260B
1,4-Dioxane		12	B	1.0	ug/L	8260B SIM

METHOD SUMMARY

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL DEN	SW846 8260B	
Purge and Trap	TAL DEN		SW846 5030B
Volatile Organic Compounds (GC/MS-SIM)	TAL DEN	SW846 8260B SIM	
Purge and Trap	TAL DEN		SW846 5030B

Lab References:

TAL DEN = TestAmerica Denver

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Method	Analyst	Analyst ID
SW846 8260B	Berger, Brent B	BBB
SW846 8260B	Ilczyszyn, Dennis P	DPI
SW846 8260B	Moan, Matthew R	MRM
SW846 8260B	Seifert, Judy L	JLS
SW846 8260B SIM	Moan, Matthew R	MRM

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0524**

Lab Sample ID: 280-88072-1
Client Matrix: Water

Date Sampled: 09/10/2016 0905
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2358.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/16/2016 1226			Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 1226				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	12		0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: PIN12-0524

Lab Sample ID: 280-88072-1
Client Matrix: Water

Date Sampled: 09/10/2016 0905
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2358.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/16/2016 1226			Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 1226				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	9.6		0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110		70 - 127
Toluene-d8 (Surr)	95		80 - 125
4-Bromofluorobenzene (Surr)	91		78 - 120
Dibromofluoromethane (Surr)	108		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0525**

Lab Sample ID: 280-88072-2
Client Matrix: Water

Date Sampled: 09/10/2016 0820
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2352.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/16/2016 1028			Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 1028				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	1.5		0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: PIN12-0525

Lab Sample ID: 280-88072-2
Client Matrix: Water

Date Sampled: 09/10/2016 0820
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2352.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/16/2016 1028			Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 1028				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		70 - 127
Toluene-d8 (Surr)	106		80 - 125
4-Bromofluorobenzene (Surr)	103		78 - 120
Dibromofluoromethane (Surr)	106		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0539**

Lab Sample ID: 280-88072-3
Client Matrix: Water

Date Sampled: 09/08/2016 1630
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2353.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/16/2016 1048			Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 1048				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	5.5	J	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	2.7		0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	4.0		0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: PIN12-0539

Lab Sample ID: 280-88072-3
Client Matrix: Water

Date Sampled: 09/08/2016 1630
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2353.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/16/2016 1048			Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 1048				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.18	J	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	10		0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	114		70 - 127
Toluene-d8 (Surr)	99		80 - 125
4-Bromofluorobenzene (Surr)	99		78 - 120
Dibromofluoromethane (Surr)	114		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0540**

Lab Sample ID: 280-88072-4
Client Matrix: Water

Date Sampled: 09/08/2016 1540
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2374.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	09/16/2016 1739			Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 1739				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	3.8	U	3.8	20
Benzene	0.32	U	0.32	2.0
Bromobenzene	0.34	U	0.34	2.0
Bromochloromethane	0.20	U	0.20	2.0
Bromodichloromethane	0.34	U	0.34	2.0
Bromoform	0.38	U	0.38	2.0
Bromomethane	0.42	U	0.42	2.0
2-Butanone (MEK)	4.0	U	4.0	10
n-Butylbenzene	0.64	U	0.64	2.0
sec-Butylbenzene	0.34	U	0.34	2.0
tert-Butylbenzene	0.32	U	0.32	2.0
Carbon disulfide	0.90	U	0.90	2.0
Carbon tetrachloride	0.38	U	0.38	2.0
Chlorobenzene	0.34	U	0.34	2.0
Dibromochloromethane	0.34	U	0.34	2.0
Chloroethane	0.82	U	0.82	2.0
Chloroform	0.32	U	0.32	2.0
Chloromethane	0.60	U	0.60	2.0
2-Chlorotoluene	0.34	U	0.34	2.0
4-Chlorotoluene	0.42	U	0.42	2.0
1,2-Dibromo-3-Chloropropane	0.94	U	0.94	2.0
Dibromomethane	0.34	U	0.34	2.0
1,2-Dichlorobenzene	0.30	U	0.30	2.0
1,3-Dichlorobenzene	0.26	U	0.26	2.0
1,4-Dichlorobenzene	0.32	U	0.32	2.0
Dichlorodifluoromethane	0.62	U	0.62	2.0
1,1-Dichloroethane	3.6		0.44	2.0
1,2-Dichloroethane	0.26	U	0.26	2.0
cis-1,2-Dichloroethene	0.30	U	0.30	2.0
trans-1,2-Dichloroethene	6.6		0.30	2.0
1,1-Dichloroethene	0.46	U	0.46	2.0
1,2-Dichloropropane	0.36	U	0.36	2.0
1,3-Dichloropropane	0.44	U	0.44	2.0
2,2-Dichloropropane	0.36	U	0.36	2.0
cis-1,3-Dichloropropene	0.32	U	0.32	2.0
trans-1,3-Dichloropropene	0.38	U	0.38	2.0
1,1-Dichloropropene	0.38	U	0.38	2.0
Ethylbenzene	0.32	U	0.32	2.0
Hexachlorobutadiene	0.72	U	0.72	2.0
2-Hexanone	3.4	U	3.4	10
Isopropylbenzene	0.38	U	0.38	2.0
4-Isopropyltoluene	0.40	U	0.40	2.0
Methylene Chloride	0.64	U	0.64	2.0
4-Methyl-2-pentanone	2.0	U	2.0	10
Naphthalene	0.44	U	0.44	2.0
n-Propylbenzene	0.32	U	0.32	2.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: PIN12-0540

Lab Sample ID: 280-88072-4
Client Matrix: Water

Date Sampled: 09/08/2016 1540
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2374.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	09/16/2016 1739			Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 1739				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.34	U	0.34	2.0
1,1,1,2-Tetrachloroethane	0.42	U	0.42	2.0
1,1,2,2-Tetrachloroethane	0.42	U	0.42	2.0
Tetrachloroethene	0.40	U	0.40	2.0
Toluene	0.93	J	0.34	2.0
1,2,3-Trichlorobenzene	0.42	U	0.42	2.0
1,2,4-Trichlorobenzene	0.42	U	0.42	2.0
1,1,1-Trichloroethane	0.32	U	0.32	2.0
1,1,2-Trichloroethane	0.54	U	0.54	2.0
Trichloroethene	0.32	U	0.32	2.0
Trichlorofluoromethane	0.58	U	0.58	2.0
1,2,3-Trichloropropane	0.66	U	0.66	2.0
1,2,4-Trimethylbenzene	0.30	U	0.30	2.0
1,3,5-Trimethylbenzene	0.32	U	0.32	2.0
Vinyl chloride	44		0.20	2.0
Xylenes, Total	0.38	U	0.38	2.0
1,2-Dibromoethane	0.36	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	114		70 - 127
Toluene-d8 (Surr)	96		80 - 125
4-Bromofluorobenzene (Surr)	93		78 - 120
Dibromofluoromethane (Surr)	111		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0554A**

Lab Sample ID: 280-88072-5
Client Matrix: Water

Date Sampled: 09/08/2016 1350
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2355.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/16/2016 1127			Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 1127				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0554A**

Lab Sample ID: 280-88072-5
Client Matrix: Water

Date Sampled: 09/08/2016 1350
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2355.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/16/2016 1127			Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 1127				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		70 - 127
Toluene-d8 (Surr)	100		80 - 125
4-Bromofluorobenzene (Surr)	94		78 - 120
Dibromofluoromethane (Surr)	110		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0554B**

Lab Sample ID: 280-88072-6
Client Matrix: Water

Date Sampled: 09/08/2016 1415
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2356.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/16/2016 1146			Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 1146				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	3.7	J	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0554B**

Lab Sample ID: 280-88072-6
Client Matrix: Water

Date Sampled: 09/08/2016 1415
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2356.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/16/2016 1146			Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 1146				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	114		70 - 127
Toluene-d8 (Surr)	103		80 - 125
4-Bromofluorobenzene (Surr)	97		78 - 120
Dibromofluoromethane (Surr)	113		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0554C**

Lab Sample ID: 280-88072-7
Client Matrix: Water

Date Sampled: 09/08/2016 1450
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2357.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/16/2016 1206			Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 1206				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	3.8	J	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	40		0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	11		0.15	1.0
trans-1,2-Dichloroethene	4.7		0.15	1.0
1,1-Dichloroethene	0.44	J	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0554C**

Lab Sample ID: 280-88072-7
Client Matrix: Water

Date Sampled: 09/08/2016 1450
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2357.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/16/2016 1206			Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 1206				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	48		0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	112		70 - 127
Toluene-d8 (Surr)	101		80 - 125
4-Bromofluorobenzene (Surr)	97		78 - 120
Dibromofluoromethane (Surr)	112		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0555A**

Lab Sample ID: 280-88072-8
Client Matrix: Water

Date Sampled: 09/08/2016 1410
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2362.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/16/2016 1344			Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 1344				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0555A**

Lab Sample ID: 280-88072-8
Client Matrix: Water

Date Sampled: 09/08/2016 1410
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2362.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/16/2016 1344			Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 1344				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		70 - 127
Toluene-d8 (Surr)	97		80 - 125
4-Bromofluorobenzene (Surr)	95		78 - 120
Dibromofluoromethane (Surr)	109		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0555B**

Lab Sample ID: 280-88072-9
Client Matrix: Water

Date Sampled: 09/08/2016 1450
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2363.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/16/2016 1404			Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 1404				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0555B**

Lab Sample ID: 280-88072-9
Client Matrix: Water

Date Sampled: 09/08/2016 1450
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2363.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/16/2016 1404			Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 1404				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	118		70 - 127
Toluene-d8 (Surr)	103		80 - 125
4-Bromofluorobenzene (Surr)	98		78 - 120
Dibromofluoromethane (Surr)	116		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0555C**

Lab Sample ID: 280-88072-10
Client Matrix: Water

Date Sampled: 09/08/2016 1535
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2364.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/16/2016 1423			Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 1423				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.90	J	0.15	1.0
trans-1,2-Dichloroethene	0.27	J	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0555C**

Lab Sample ID: 280-88072-10
Client Matrix: Water

Date Sampled: 09/08/2016 1535
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2364.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/16/2016 1423			Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 1423				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	111		70 - 127
Toluene-d8 (Surr)	98		80 - 125
4-Bromofluorobenzene (Surr)	96		78 - 120
Dibromofluoromethane (Surr)	111		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0561-1**

Lab Sample ID: 280-88072-11
Client Matrix: Water

Date Sampled: 09/10/2016 1130
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2359.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/16/2016 1245			Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 1245				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: PIN12-0561-1

Lab Sample ID: 280-88072-11
Client Matrix: Water

Date Sampled: 09/10/2016 1130
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2359.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/16/2016 1245			Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 1245				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		70 - 127
Toluene-d8 (Surr)	90		80 - 125
4-Bromofluorobenzene (Surr)	89		78 - 120
Dibromofluoromethane (Surr)	100		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0561-2**

Lab Sample ID: 280-88072-12
Client Matrix: Water

Date Sampled: 09/10/2016 1150
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2365.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/16/2016 1443			Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 1443				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0561-2**

Lab Sample ID: 280-88072-12
Client Matrix: Water

Date Sampled: 09/10/2016 1150
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2365.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/16/2016 1443			Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 1443				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	113		70 - 127
Toluene-d8 (Surr)	96		80 - 125
4-Bromofluorobenzene (Surr)	94		78 - 120
Dibromofluoromethane (Surr)	112		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0561-3**

Lab Sample ID: 280-88072-13
Client Matrix: Water

Date Sampled: 09/10/2016 1220
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2366.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/16/2016 1502			Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 1502				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: PIN12-0561-3

Lab Sample ID: 280-88072-13
Client Matrix: Water

Date Sampled: 09/10/2016 1220
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2366.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/16/2016 1502			Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 1502				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	114		70 - 127
Toluene-d8 (Surr)	100		80 - 125
4-Bromofluorobenzene (Surr)	96		78 - 120
Dibromofluoromethane (Surr)	112		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0568-1**

Lab Sample ID: 280-88072-14
Client Matrix: Water

Date Sampled: 09/10/2016 0945
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2367.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/16/2016 1522			Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 1522				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0568-1**

Lab Sample ID: 280-88072-14
Client Matrix: Water

Date Sampled: 09/10/2016 0945
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2367.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/16/2016 1522			Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 1522				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	115		70 - 127
Toluene-d8 (Surr)	98		80 - 125
4-Bromofluorobenzene (Surr)	97		78 - 120
Dibromofluoromethane (Surr)	112		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0568-2**

Lab Sample ID: 280-88072-15
Client Matrix: Water

Date Sampled: 09/10/2016 1015
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2368.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/16/2016 1542			Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 1542				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0568-2**

Lab Sample ID: 280-88072-15
Client Matrix: Water

Date Sampled: 09/10/2016 1015
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2368.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/16/2016 1542			Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 1542				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	112		70 - 127
Toluene-d8 (Surr)	95		80 - 125
4-Bromofluorobenzene (Surr)	92		78 - 120
Dibromofluoromethane (Surr)	108		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0568-3**

Lab Sample ID: 280-88072-16
Client Matrix: Water

Date Sampled: 09/10/2016 1040
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2369.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/16/2016 1601			Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 1601				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	2.8	J	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0568-3**

Lab Sample ID: 280-88072-16
Client Matrix: Water

Date Sampled: 09/10/2016 1040
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2369.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/16/2016 1601			Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 1601				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	118		70 - 127
Toluene-d8 (Surr)	96		80 - 125
4-Bromofluorobenzene (Surr)	94		78 - 120
Dibromofluoromethane (Surr)	114		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0569-1**

Lab Sample ID: 280-88072-17
Client Matrix: Water

Date Sampled: 09/09/2016 1430
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2370.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/16/2016 1621			Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 1621				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	2.1	J	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0569-1**

Lab Sample ID: 280-88072-17
Client Matrix: Water

Date Sampled: 09/09/2016 1430
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2370.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/16/2016 1621			Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 1621				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	115		70 - 127
Toluene-d8 (Surr)	98		80 - 125
4-Bromofluorobenzene (Surr)	97		78 - 120
Dibromofluoromethane (Surr)	112		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0569-2**

Lab Sample ID: 280-88072-18
Client Matrix: Water

Date Sampled: 09/09/2016 1515
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2371.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/16/2016 1640			Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 1640				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.70	J	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: PIN12-0569-2

Lab Sample ID: 280-88072-18
Client Matrix: Water

Date Sampled: 09/09/2016 1515
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2371.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/16/2016 1640			Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 1640				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	2.2		0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	115		70 - 127
Toluene-d8 (Surr)	99		80 - 125
4-Bromofluorobenzene (Surr)	95		78 - 120
Dibromofluoromethane (Surr)	112		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0569-3**

Lab Sample ID: 280-88072-19
Client Matrix: Water

Date Sampled: 09/09/2016 1545
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2372.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/16/2016 1700			Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 1700				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: PIN12-0569-3

Lab Sample ID: 280-88072-19
Client Matrix: Water

Date Sampled: 09/09/2016 1545
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2372.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/16/2016 1700			Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 1700				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.44	J	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	5.5		0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	119		70 - 127
Toluene-d8 (Surr)	91		80 - 125
4-Bromofluorobenzene (Surr)	88		78 - 120
Dibromofluoromethane (Surr)	114		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0570-1**

Lab Sample ID: 280-88072-20
Client Matrix: Water

Date Sampled: 09/10/2016 0810
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2373.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/16/2016 1720			Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 1720				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0570-1**

Lab Sample ID: 280-88072-20
Client Matrix: Water

Date Sampled: 09/10/2016 0810
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2373.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/16/2016 1720			Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 1720				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		70 - 127
Toluene-d8 (Surr)	85		80 - 125
4-Bromofluorobenzene (Surr)	85		78 - 120
Dibromofluoromethane (Surr)	103		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0570-2**

Lab Sample ID: 280-88072-21
Client Matrix: Water

Date Sampled: 09/10/2016 0830
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342810	Instrument ID:	VMS_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H9308.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 0549			Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 0549				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.65	J * B	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: PIN12-0570-2

Lab Sample ID: 280-88072-21
Client Matrix: Water

Date Sampled: 09/10/2016 0830
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342810	Instrument ID:	VMS_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H9308.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 0549			Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 0549				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.52	J	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	116		70 - 127
Toluene-d8 (Surr)	100		80 - 125
4-Bromofluorobenzene (Surr)	88		78 - 120
Dibromofluoromethane (Surr)	112		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0570-3**

Lab Sample ID: 280-88072-22
Client Matrix: Water

Date Sampled: 09/10/2016 0910
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342810	Instrument ID:	VMS_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H9309.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 0613			Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 0613				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.59	J * B	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0570-3**

Lab Sample ID: 280-88072-22
Client Matrix: Water

Date Sampled: 09/10/2016 0910
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342810	Instrument ID:	VMS_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H9309.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 0613			Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 0613				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	2.7		0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	116		70 - 127
Toluene-d8 (Surr)	102		80 - 125
4-Bromofluorobenzene (Surr)	93		78 - 120
Dibromofluoromethane (Surr)	112		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0573-1**

Lab Sample ID: 280-88072-23
Client Matrix: Water

Date Sampled: 09/09/2016 0840
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342652	Instrument ID:	VMS_G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G8865.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1023			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1023				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U *	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U *	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.39	J	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: PIN12-0573-1

Lab Sample ID: 280-88072-23
Client Matrix: Water

Date Sampled: 09/09/2016 0840
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342652	Instrument ID:	VMS_G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G8865.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1023			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1023				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		70 - 127
Toluene-d8 (Surr)	103		80 - 125
4-Bromofluorobenzene (Surr)	101		78 - 120
Dibromofluoromethane (Surr)	98		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0573-2**

Lab Sample ID: 280-88072-24
Client Matrix: Water

Date Sampled: 09/09/2016 0920
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342652	Instrument ID:	VMS_G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G8866.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1045			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1045				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U *	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U *	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.34	J	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0573-2**

Lab Sample ID: 280-88072-24
Client Matrix: Water

Date Sampled: 09/09/2016 0920
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342652	Instrument ID:	VMS_G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G8866.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1045			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1045				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	114		70 - 127
Toluene-d8 (Surr)	100		80 - 125
4-Bromofluorobenzene (Surr)	101		78 - 120
Dibromofluoromethane (Surr)	107		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0573-3**

Lab Sample ID: 280-88072-25
Client Matrix: Water

Date Sampled: 09/09/2016 1050
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342848	Instrument ID:	VMS_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P2013.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 1144			Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 1144				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	1.2	* B	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: PIN12-0573-3

Lab Sample ID: 280-88072-25
Client Matrix: Water

Date Sampled: 09/09/2016 1050
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342848	Instrument ID:	VMS_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P2013.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 1144			Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 1144				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		70 - 127
Toluene-d8 (Surr)	114		80 - 125
4-Bromofluorobenzene (Surr)	102		78 - 120
Dibromofluoromethane (Surr)	108		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0577-1**

Lab Sample ID: 280-88072-26
Client Matrix: Water

Date Sampled: 09/09/2016 1245
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342652	Instrument ID:	VMS_G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G8871.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1235			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1235				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	4.4	J *	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U *	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: PIN12-0577-1

Lab Sample ID: 280-88072-26
Client Matrix: Water

Date Sampled: 09/09/2016 1245
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342652	Instrument ID:	VMS_G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G8871.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1235			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1235				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	120		70 - 127
Toluene-d8 (Surr)	103		80 - 125
4-Bromofluorobenzene (Surr)	100		78 - 120
Dibromofluoromethane (Surr)	108		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0577-2**

Lab Sample ID: 280-88072-27
Client Matrix: Water

Date Sampled: 09/09/2016 1305
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342848	Instrument ID:	VMS_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P2014.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 1204			Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 1204				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	1.1	* B	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: PIN12-0577-2

Lab Sample ID: 280-88072-27
Client Matrix: Water

Date Sampled: 09/09/2016 1305
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342848	Instrument ID:	VMS_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P2014.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 1204			Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 1204				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94		70 - 127
Toluene-d8 (Surr)	99		80 - 125
4-Bromofluorobenzene (Surr)	92		78 - 120
Dibromofluoromethane (Surr)	97		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0577-3**

Lab Sample ID: 280-88072-28
Client Matrix: Water

Date Sampled: 09/09/2016 1330
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342652	Instrument ID:	VMS_G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G8873.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1320			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1320				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U *	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U *	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: PIN12-0577-3

Lab Sample ID: 280-88072-28
Client Matrix: Water

Date Sampled: 09/09/2016 1330
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342652	Instrument ID:	VMS_G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G8873.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1320			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1320				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	121		70 - 127
Toluene-d8 (Surr)	107		80 - 125
4-Bromofluorobenzene (Surr)	104		78 - 120
Dibromofluoromethane (Surr)	111		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0578-1**

Lab Sample ID: 280-88072-29
Client Matrix: Water

Date Sampled: 09/09/2016 1515
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342848	Instrument ID:	VMS_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P2015.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 1223			Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 1223				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	1.3	* B	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: PIN12-0578-1

Lab Sample ID: 280-88072-29
Client Matrix: Water

Date Sampled: 09/09/2016 1515
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342848	Instrument ID:	VMS_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P2015.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 1223			Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 1223				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		70 - 127
Toluene-d8 (Surr)	95		80 - 125
4-Bromofluorobenzene (Surr)	91		78 - 120
Dibromofluoromethane (Surr)	98		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0578-2**

Lab Sample ID: 280-88072-30
Client Matrix: Water

Date Sampled: 09/09/2016 1535
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342848	Instrument ID:	VMS_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P2016.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 1243			Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 1243				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.99	J * B	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0578-2**

Lab Sample ID: 280-88072-30
Client Matrix: Water

Date Sampled: 09/09/2016 1535
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342848	Instrument ID:	VMS_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P2016.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 1243			Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 1243				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		70 - 127
Toluene-d8 (Surr)	99		80 - 125
4-Bromofluorobenzene (Surr)	93		78 - 120
Dibromofluoromethane (Surr)	102		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0578-3**

Lab Sample ID: 280-88072-31
Client Matrix: Water

Date Sampled: 09/09/2016 1605
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342848	Instrument ID:	VMS_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P2017.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 1302			Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 1302				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.65	J	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	1.1	* B	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: PIN12-0578-3

Lab Sample ID: 280-88072-31
Client Matrix: Water

Date Sampled: 09/09/2016 1605
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342848	Instrument ID:	VMS_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P2017.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 1302			Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 1302				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110		70 - 127
Toluene-d8 (Surr)	114		80 - 125
4-Bromofluorobenzene (Surr)	110		78 - 120
Dibromofluoromethane (Surr)	115		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0579-1**

Lab Sample ID: 280-88072-32
Client Matrix: Water

Date Sampled: 09/09/2016 1345
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342633	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2457.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1340			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1340				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: PIN12-0579-1

Lab Sample ID: 280-88072-32
Client Matrix: Water

Date Sampled: 09/09/2016 1345
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342633	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2457.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1340			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1340				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		70 - 127
Toluene-d8 (Surr)	95		80 - 125
4-Bromofluorobenzene (Surr)	99		78 - 120
Dibromofluoromethane (Surr)	106		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0579-2**

Lab Sample ID: 280-88072-33
Client Matrix: Water

Date Sampled: 09/09/2016 1400
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342633	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2458.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1400			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: PIN12-0579-2

Lab Sample ID: 280-88072-33
Client Matrix: Water

Date Sampled: 09/09/2016 1400
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342633	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2458.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1400			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1400				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	111		70 - 127
Toluene-d8 (Surr)	94		80 - 125
4-Bromofluorobenzene (Surr)	97		78 - 120
Dibromofluoromethane (Surr)	112		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0579-3**

Lab Sample ID: 280-88072-34
Client Matrix: Water

Date Sampled: 09/09/2016 1435
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342633	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2459.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1419			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1419				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	4.4	J	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0579-3**

Lab Sample ID: 280-88072-34
Client Matrix: Water

Date Sampled: 09/09/2016 1435
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342633	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2459.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1419			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1419				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	116		70 - 127
Toluene-d8 (Surr)	93		80 - 125
4-Bromofluorobenzene (Surr)	97		78 - 120
Dibromofluoromethane (Surr)	113		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0581-1**

Lab Sample ID: 280-88072-35
Client Matrix: Water

Date Sampled: 09/09/2016 1640
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342633	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2460.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1439			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1439				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	8.6	J	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: PIN12-0581-1

Lab Sample ID: 280-88072-35
Client Matrix: Water

Date Sampled: 09/09/2016 1640
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342633	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2460.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1439			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1439				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	117		70 - 127
Toluene-d8 (Surr)	92		80 - 125
4-Bromofluorobenzene (Surr)	96		78 - 120
Dibromofluoromethane (Surr)	114		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0581-2**

Lab Sample ID: 280-88072-36
Client Matrix: Water

Date Sampled: 09/09/2016 1705
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342633	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2461.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1459			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1459				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	5.9	J	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	34		0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	2.3		0.15	1.0
trans-1,2-Dichloroethene	1.1		0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0581-2**

Lab Sample ID: 280-88072-36
Client Matrix: Water

Date Sampled: 09/09/2016 1705
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342633	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2461.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1459			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1459				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	22		0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	117		70 - 127
Toluene-d8 (Surr)	91		80 - 125
4-Bromofluorobenzene (Surr)	97		78 - 120
Dibromofluoromethane (Surr)	114		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0581-3**

Lab Sample ID: 280-88072-37
Client Matrix: Water

Date Sampled: 09/09/2016 1740
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342633	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2467.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1658			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1658				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.92	J	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.33	J	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0581-3**

Lab Sample ID: 280-88072-37
Client Matrix: Water

Date Sampled: 09/09/2016 1740
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342633	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2467.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1658			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1658				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	1.3		0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	123		70 - 127
Toluene-d8 (Surr)	90		80 - 125
4-Bromofluorobenzene (Surr)	97		78 - 120
Dibromofluoromethane (Surr)	115		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0582-1**

Lab Sample ID: 280-88072-38
Client Matrix: Water

Date Sampled: 09/09/2016 1645
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342633	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2463.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1538			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1538				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	1.9		0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	2.8		0.15	1.0
trans-1,2-Dichloroethene	0.48	J	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0582-1**

Lab Sample ID: 280-88072-38
Client Matrix: Water

Date Sampled: 09/09/2016 1645
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342633	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2463.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1538			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1538				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	31		0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	120		70 - 127
Toluene-d8 (Surr)	91		80 - 125
4-Bromofluorobenzene (Surr)	97		78 - 120
Dibromofluoromethane (Surr)	116		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0582-2**

Lab Sample ID: 280-88072-39
Client Matrix: Water

Date Sampled: 09/08/2016 1635
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342652	Instrument ID:	VMS_G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G8875.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1404			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1404				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U *	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	12		0.22	1.0
1,2-Dichloroethane	0.13	U *	0.13	1.0
cis-1,2-Dichloroethene	7.2		0.15	1.0
trans-1,2-Dichloroethene	7.2		0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0582-2**

Lab Sample ID: 280-88072-39
Client Matrix: Water

Date Sampled: 09/08/2016 1635
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342652	Instrument ID:	VMS_G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G8875.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1404			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1404				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	123		70 - 127
Toluene-d8 (Surr)	100		80 - 125
4-Bromofluorobenzene (Surr)	104		78 - 120
Dibromofluoromethane (Surr)	113		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: PIN12-0582-2

Lab Sample ID: 280-88072-39
Client Matrix: Water

Date Sampled: 09/08/2016 1635
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342848	Instrument ID:	VMS_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P2018.D
Dilution:	1.0			Initial Weight/Volume:	2 mL
Analysis Date:	09/20/2016 1322	Run Type:	DL	Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 1322				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	120		1.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		70 - 127
Toluene-d8 (Surr)	97		80 - 125
4-Bromofluorobenzene (Surr)	93		78 - 120
Dibromofluoromethane (Surr)	102		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0582-3**

Lab Sample ID: 280-88072-40
Client Matrix: Water

Date Sampled: 09/09/2016 1705
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342633	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2464.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1558			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1558				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.73	J	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.68	J	0.15	1.0
trans-1,2-Dichloroethene	0.21	J	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0582-3**

Lab Sample ID: 280-88072-40
Client Matrix: Water

Date Sampled: 09/09/2016 1705
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342633	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2464.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1558			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1558				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	7.5		0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	112		70 - 127
Toluene-d8 (Surr)	91		80 - 125
4-Bromofluorobenzene (Surr)	94		78 - 120
Dibromofluoromethane (Surr)	110		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0583-1**

Lab Sample ID: 280-88072-41
Client Matrix: Water

Date Sampled: 09/09/2016 0910
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342633	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2465.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1618			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1618				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0583-1**

Lab Sample ID: 280-88072-41
Client Matrix: Water

Date Sampled: 09/09/2016 0910
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342633	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2465.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1618			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1618				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		70 - 127
Toluene-d8 (Surr)	82		80 - 125
4-Bromofluorobenzene (Surr)	88		78 - 120
Dibromofluoromethane (Surr)	101		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0583-2**

Lab Sample ID: 280-88072-42
Client Matrix: Water

Date Sampled: 09/08/2016 0950
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342633	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2466.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1638			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1638				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	3.3	J	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.28	J	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.18	J	0.15	1.0
trans-1,2-Dichloroethene	0.32	J	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0583-2**

Lab Sample ID: 280-88072-42
Client Matrix: Water

Date Sampled: 09/08/2016 0950
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342633	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2466.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1638			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1638				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	5.1		0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	124		70 - 127
Toluene-d8 (Surr)	95		80 - 125
4-Bromofluorobenzene (Surr)	100		78 - 120
Dibromofluoromethane (Surr)	119		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0583-3**

Lab Sample ID: 280-88072-43
Client Matrix: Water

Date Sampled: 09/08/2016 1035
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342848	Instrument ID:	VMS_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P2019.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 1341			Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 1341				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	2.1	* B	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0583-3**

Lab Sample ID: 280-88072-43
Client Matrix: Water

Date Sampled: 09/08/2016 1035
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342848	Instrument ID:	VMS_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P2019.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 1341			Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 1341				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.70	J	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	J	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		70 - 127
Toluene-d8 (Surr)	96		80 - 125
4-Bromofluorobenzene (Surr)	89		78 - 120
Dibromofluoromethane (Surr)	101		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0584-1**

Lab Sample ID: 280-88072-44
Client Matrix: Water

Date Sampled: 09/10/2016 1245
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342810	Instrument ID:	VMS_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H9310.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 0637			Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 0637				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.57	J * B	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0584-1**

Lab Sample ID: 280-88072-44
Client Matrix: Water

Date Sampled: 09/10/2016 1245
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342810	Instrument ID:	VMS_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H9310.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 0637			Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 0637				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.19	J	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	114		70 - 127
Toluene-d8 (Surr)	104		80 - 125
4-Bromofluorobenzene (Surr)	94		78 - 120
Dibromofluoromethane (Surr)	108		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0584-2**

Lab Sample ID: 280-88072-45
Client Matrix: Water

Date Sampled: 09/10/2016 1315
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342810	Instrument ID:	VMS_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H9311.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 0700			Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 0700				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.30	J	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	39		0.15	1.0
trans-1,2-Dichloroethene	1.2		0.15	1.0
1,1-Dichloroethene	0.76	J	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.71	J * B	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: PIN12-0584-2

Lab Sample ID: 280-88072-45
Client Matrix: Water

Date Sampled: 09/10/2016 1315
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342810	Instrument ID:	VMS_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H9311.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 0700			Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 0700				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	124		70 - 127
Toluene-d8 (Surr)	98		80 - 125
4-Bromofluorobenzene (Surr)	92		78 - 120
Dibromofluoromethane (Surr)	113		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: PIN12-0584-2

Lab Sample ID: 280-88072-45
Client Matrix: Water

Date Sampled: 09/10/2016 1315
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342810	Instrument ID:	VMS_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H9312.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/20/2016 0724	Run Type:	DL	Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 0724				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	150		0.40	4.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	111		70 - 127
Toluene-d8 (Surr)	101		80 - 125
4-Bromofluorobenzene (Surr)	91		78 - 120
Dibromofluoromethane (Surr)	111		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0584-3**

Lab Sample ID: 280-88072-46
Client Matrix: Water

Date Sampled: 09/10/2016 1310
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342810	Instrument ID:	VMS_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H9313.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 0747			Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 0747				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	2.0		0.15	1.0
trans-1,2-Dichloroethene	0.38	J	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.61	J * B	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0584-3**

Lab Sample ID: 280-88072-46
Client Matrix: Water

Date Sampled: 09/10/2016 1310
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342810	Instrument ID:	VMS_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H9313.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 0747			Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 0747				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	123		70 - 127
Toluene-d8 (Surr)	103		80 - 125
4-Bromofluorobenzene (Surr)	94		78 - 120
Dibromofluoromethane (Surr)	113		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0584-3**

Lab Sample ID: 280-88072-46
Client Matrix: Water

Date Sampled: 09/10/2016 1310
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343016	Instrument ID:	VMS_Z
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Z0934.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/21/2016 0703	Run Type:	DL	Final Weight/Volume:	20 mL
Prep Date:	09/21/2016 0703				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	56		0.40	4.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89		70 - 127
Toluene-d8 (Surr)	94		80 - 125
4-Bromofluorobenzene (Surr)	91		78 - 120
Dibromofluoromethane (Surr)	102		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0585-1**

Lab Sample ID: 280-88072-47
Client Matrix: Water

Date Sampled: 09/10/2016 0950
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342867	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_25047.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 1212			Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 1212				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.42	J	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	2.0		0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0585-1**

Lab Sample ID: 280-88072-47
Client Matrix: Water

Date Sampled: 09/10/2016 0950
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342867	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_25047.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 1212			Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 1212				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	2.0		0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		70 - 127
Toluene-d8 (Surr)	103		80 - 125
4-Bromofluorobenzene (Surr)	98		78 - 120
Dibromofluoromethane (Surr)	104		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0585-2**

Lab Sample ID: 280-88072-48
Client Matrix: Water

Date Sampled: 09/10/2016 1010
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342867	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_25064.D
Dilution:	1.0			Initial Weight/Volume:	0.2 mL
Analysis Date:	09/20/2016 1754	Run Type:	DL	Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 1754				

Analyte	Result (ug/L)	Qualifier	MDL	RL
cis-1,2-Dichloroethene	3400		15	100
Vinyl chloride	2100		10	100

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		70 - 127
Toluene-d8 (Surr)	93		80 - 125
4-Bromofluorobenzene (Surr)	90		78 - 120
Dibromofluoromethane (Surr)	110		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0585-2**

Lab Sample ID: 280-88072-48
Client Matrix: Water

Date Sampled: 09/10/2016 1010
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343232	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2638.D
Dilution:	1.0			Initial Weight/Volume:	2 mL
Analysis Date:	09/22/2016 1132			Final Weight/Volume:	20 mL
Prep Date:	09/22/2016 1132				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	19	U	19	100
Benzene	1.6	U	1.6	10
Bromobenzene	1.7	U	1.7	10
Bromochloromethane	1.0	U	1.0	10
Bromodichloromethane	1.7	U	1.7	10
Bromoform	1.9	U	1.9	10
Bromomethane	2.1	U	2.1	10
2-Butanone (MEK)	20	U	20	50
n-Butylbenzene	3.2	U	3.2	10
sec-Butylbenzene	1.7	U	1.7	10
tert-Butylbenzene	1.6	U	1.6	10
Carbon disulfide	4.5	U	4.5	10
Carbon tetrachloride	1.9	U	1.9	10
Chlorobenzene	1.7	U	1.7	10
Dibromochloromethane	1.7	U	1.7	10
Chloroethane	4.1	U	4.1	10
Chloroform	1.6	U	1.6	10
Chloromethane	3.0	U	3.0	10
2-Chlorotoluene	1.7	U	1.7	10
4-Chlorotoluene	2.1	U	2.1	10
1,2-Dibromo-3-Chloropropane	4.7	U	4.7	10
Dibromomethane	1.7	U	1.7	10
1,2-Dichlorobenzene	1.5	U	1.5	10
1,3-Dichlorobenzene	1.3	U	1.3	10
1,4-Dichlorobenzene	1.6	U	1.6	10
Dichlorodifluoromethane	3.1	U	3.1	10
1,1-Dichloroethane	2.2	U	2.2	10
1,2-Dichloroethane	1.3	U	1.3	10
trans-1,2-Dichloroethene	48		1.5	10
1,1-Dichloroethene	190		2.3	10
1,2-Dichloropropane	1.8	U	1.8	10
1,3-Dichloropropane	2.2	U	2.2	10
2,2-Dichloropropane	1.8	U	1.8	10
cis-1,3-Dichloropropene	1.6	U	1.6	10
trans-1,3-Dichloropropene	1.9	U	1.9	10
1,1-Dichloropropene	1.9	U	1.9	10
Ethylbenzene	1.6	U	1.6	10
Hexachlorobutadiene	3.6	U	3.6	10
2-Hexanone	17	U	17	50
Isopropylbenzene	1.9	U	1.9	10
4-Isopropyltoluene	2.0	U	2.0	10
Methylene Chloride	3.2	U	3.2	10
4-Methyl-2-pentanone	9.8	U	9.8	50
Naphthalene	2.2	U	2.2	10
n-Propylbenzene	1.6	U	1.6	10
Styrene	1.7	U	1.7	10

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: PIN12-0585-2

Lab Sample ID: 280-88072-48
Client Matrix: Water

Date Sampled: 09/10/2016 1010
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343232	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2638.D
Dilution:	1.0			Initial Weight/Volume:	2 mL
Analysis Date:	09/22/2016 1132			Final Weight/Volume:	20 mL
Prep Date:	09/22/2016 1132				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	2.1	U	2.1	10
1,1,2,2-Tetrachloroethane	2.1	U	2.1	10
Tetrachloroethene	2.0	U	2.0	10
Toluene	2.8	J	1.7	10
1,2,3-Trichlorobenzene	2.1	U	2.1	10
1,2,4-Trichlorobenzene	2.1	U	2.1	10
1,1,1-Trichloroethane	1.6	U	1.6	10
1,1,2-Trichloroethane	2.7	U	2.7	10
Trichloroethene	350		1.6	10
Trichlorofluoromethane	2.9	U	2.9	10
1,2,3-Trichloropropane	3.3	U	3.3	10
1,2,4-Trimethylbenzene	1.5	U	1.5	10
1,3,5-Trimethylbenzene	1.6	U	1.6	10
Xylenes, Total	1.9	U	1.9	10
1,2-Dibromoethane	1.8	U	1.8	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110		70 - 127
Toluene-d8 (Surr)	101		80 - 125
4-Bromofluorobenzene (Surr)	98		78 - 120
Dibromofluoromethane (Surr)	113		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0585-3**

Lab Sample ID: 280-88072-49
Client Matrix: Water

Date Sampled: 09/10/2016 1210
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342867	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_25049.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 1251			Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 1251				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	3.3	J	1.9	10
Benzene	0.26	J	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	11		2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.31	J	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.41	J	0.15	1.0
trans-1,2-Dichloroethene	4.2		0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: PIN12-0585-3

Lab Sample ID: 280-88072-49
Client Matrix: Water

Date Sampled: 09/10/2016 1210
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342867	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_25049.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 1251			Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 1251				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.48	J	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.19	J	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	39		0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		70 - 127
Toluene-d8 (Surr)	103		80 - 125
4-Bromofluorobenzene (Surr)	100		78 - 120
Dibromofluoromethane (Surr)	112		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-2198**

Lab Sample ID: 280-88072-50
Client Matrix: Water

Date Sampled: 09/08/2016 0800
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342652	Instrument ID:	VMS_G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G8867.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1107			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1107				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U *	1.9	10
Benzene	0.16	U F1	0.16	1.0
Bromobenzene	0.17	U F1	0.17	1.0
Bromochloromethane	0.10	U F1	0.10	1.0
Bromodichloromethane	0.17	U F1	0.17	1.0
Bromoform	0.19	U F1	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U F1	0.32	1.0
sec-Butylbenzene	0.17	U F1	0.17	1.0
tert-Butylbenzene	0.16	U F1	0.16	1.0
Carbon disulfide	0.45	U F1	0.45	1.0
Carbon tetrachloride	0.19	U F1	0.19	1.0
Chlorobenzene	0.17	U F1	0.17	1.0
Dibromochloromethane	0.17	U F1	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U F1	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U F1	0.17	1.0
4-Chlorotoluene	0.21	U F1	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U F1	0.47	1.0
Dibromomethane	0.17	U F1	0.17	1.0
1,2-Dichlorobenzene	0.15	U F1	0.15	1.0
1,3-Dichlorobenzene	0.13	U F1	0.13	1.0
1,4-Dichlorobenzene	0.16	U F1	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U F1	0.22	1.0
1,2-Dichloroethane	0.13	U F1 *	0.13	1.0
cis-1,2-Dichloroethene	0.15	U F1	0.15	1.0
trans-1,2-Dichloroethene	0.15	U F1	0.15	1.0
1,1-Dichloroethene	0.23	U F1	0.23	1.0
1,2-Dichloropropane	0.18	U F1	0.18	1.0
1,3-Dichloropropane	0.22	U F1	0.22	1.0
2,2-Dichloropropane	0.18	U F1	0.18	1.0
cis-1,3-Dichloropropene	0.16	U F1	0.16	1.0
trans-1,3-Dichloropropene	0.19	U F1	0.19	1.0
1,1-Dichloropropene	0.19	U F1	0.19	1.0
Ethylbenzene	0.16	U F1	0.16	1.0
Hexachlorobutadiene	0.36	U F1	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U F1	0.19	1.0
4-Isopropyltoluene	0.20	U F1	0.20	1.0
Methylene Chloride	0.45	J F1	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U F1	0.22	1.0
n-Propylbenzene	0.16	U F1	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: PIN12-2198

Lab Sample ID: 280-88072-50
Client Matrix: Water

Date Sampled: 09/08/2016 0800
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342652	Instrument ID:	VMS_G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G8867.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1107			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1107				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U F1	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U F1	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U F1	0.21	1.0
Tetrachloroethene	0.20	U F1	0.20	1.0
Toluene	0.17	U F1	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U F1	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U F1	0.21	1.0
1,1,1-Trichloroethane	0.16	U F1	0.16	1.0
1,1,2-Trichloroethane	0.27	U F1	0.27	1.0
Trichloroethene	0.16	U F1	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U F1	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U F1	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U F1	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U F1	0.19	1.0
1,2-Dibromoethane	0.18	U F1	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	115		70 - 127
Toluene-d8 (Surr)	99		80 - 125
4-Bromofluorobenzene (Surr)	101		78 - 120
Dibromofluoromethane (Surr)	106		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-2450**

Lab Sample ID: 280-88072-51
Client Matrix: Water

Date Sampled: 09/09/2016 1440
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342848	Instrument ID:	VMS_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P2028.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 1637			Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 1637				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	2.4	J	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U *	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: PIN12-2450

Lab Sample ID: 280-88072-51
Client Matrix: Water

Date Sampled: 09/09/2016 1440
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342848	Instrument ID:	VMS_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P2028.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 1637			Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 1637				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.46	J	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	4.5		0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		70 - 127
Toluene-d8 (Surr)	98		80 - 125
4-Bromofluorobenzene (Surr)	89		78 - 120
Dibromofluoromethane (Surr)	101		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-2453**

Lab Sample ID: 280-88072-52
Client Matrix: Water

Date Sampled: 09/09/2016 1600
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342848	Instrument ID:	VMS_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P2020.D
Dilution:	1.0			Initial Weight/Volume:	2 mL
Analysis Date:	09/20/2016 1401	Run Type:	DL	Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 1401				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	130		1.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110		70 - 127
Toluene-d8 (Surr)	108		80 - 125
4-Bromofluorobenzene (Surr)	100		78 - 120
Dibromofluoromethane (Surr)	111		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-2453**

Lab Sample ID: 280-88072-52
Client Matrix: Water

Date Sampled: 09/09/2016 1600
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343048	Instrument ID:	VMS_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P2040.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/21/2016 0953			Final Weight/Volume:	20 mL
Prep Date:	09/21/2016 0953				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	2.1	J	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	11		0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	6.4		0.15	1.0
trans-1,2-Dichloroethene	6.4		0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U *	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.76	J B	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-2453**

Lab Sample ID: 280-88072-52
Client Matrix: Water

Date Sampled: 09/09/2016 1600
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343048	Instrument ID:	VMS_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P2040.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/21/2016 0953			Final Weight/Volume:	20 mL
Prep Date:	09/21/2016 0953				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92		70 - 127
Toluene-d8 (Surr)	94		80 - 125
4-Bromofluorobenzene (Surr)	86		78 - 120
Dibromofluoromethane (Surr)	96		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: PIN12-2454

Lab Sample ID: 280-88072-53
Client Matrix: Water

Date Sampled: 09/10/2016 1200
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343037	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2612.D
Dilution:	1.0			Initial Weight/Volume:	0.2 mL
Analysis Date:	09/21/2016 1027	Run Type:	DL	Final Weight/Volume:	20 mL
Prep Date:	09/21/2016 1027				

Analyte	Result (ug/L)	Qualifier	MDL	RL
cis-1,2-Dichloroethene	3500		15	100
Vinyl chloride	2000		10	100

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		70 - 127
Toluene-d8 (Surr)	102		80 - 125
4-Bromofluorobenzene (Surr)	98		78 - 120
Dibromofluoromethane (Surr)	108		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-2454**

Lab Sample ID: 280-88072-53
Client Matrix: Water

Date Sampled: 09/10/2016 1200
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343232	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2639.D
Dilution:	1.0			Initial Weight/Volume:	2 mL
Analysis Date:	09/22/2016 1151			Final Weight/Volume:	20 mL
Prep Date:	09/22/2016 1151				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	19	U	19	100
Benzene	1.6	U	1.6	10
Bromobenzene	1.7	U	1.7	10
Bromochloromethane	1.0	U	1.0	10
Bromodichloromethane	1.7	U	1.7	10
Bromoform	1.9	U	1.9	10
Bromomethane	2.1	U	2.1	10
2-Butanone (MEK)	20	U	20	50
n-Butylbenzene	3.2	U	3.2	10
sec-Butylbenzene	1.7	U	1.7	10
tert-Butylbenzene	1.6	U	1.6	10
Carbon disulfide	4.5	U	4.5	10
Carbon tetrachloride	1.9	U	1.9	10
Chlorobenzene	1.7	U	1.7	10
Dibromochloromethane	1.7	U	1.7	10
Chloroethane	4.1	U	4.1	10
Chloroform	1.6	U	1.6	10
Chloromethane	3.0	U	3.0	10
2-Chlorotoluene	1.7	U	1.7	10
4-Chlorotoluene	2.1	U	2.1	10
1,2-Dibromo-3-Chloropropane	4.7	U	4.7	10
Dibromomethane	1.7	U	1.7	10
1,2-Dichlorobenzene	1.5	U	1.5	10
1,3-Dichlorobenzene	1.3	U	1.3	10
1,4-Dichlorobenzene	1.6	U	1.6	10
Dichlorodifluoromethane	3.1	U	3.1	10
1,1-Dichloroethane	2.2	U	2.2	10
1,2-Dichloroethane	1.3	U	1.3	10
trans-1,2-Dichloroethene	46		1.5	10
1,1-Dichloroethene	160		2.3	10
1,2-Dichloropropane	1.8	U	1.8	10
1,3-Dichloropropane	2.2	U	2.2	10
2,2-Dichloropropane	1.8	U	1.8	10
cis-1,3-Dichloropropene	1.6	U	1.6	10
trans-1,3-Dichloropropene	1.9	U	1.9	10
1,1-Dichloropropene	1.9	U	1.9	10
Ethylbenzene	1.6	U	1.6	10
Hexachlorobutadiene	3.6	U	3.6	10
2-Hexanone	17	U	17	50
Isopropylbenzene	1.9	U	1.9	10
4-Isopropyltoluene	2.0	U	2.0	10
Methylene Chloride	3.2	U	3.2	10
4-Methyl-2-pentanone	9.8	U	9.8	50
Naphthalene	2.2	U	2.2	10
n-Propylbenzene	1.6	U	1.6	10
Styrene	1.7	U	1.7	10

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-2454**

Lab Sample ID: 280-88072-53
Client Matrix: Water

Date Sampled: 09/10/2016 1200
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343232	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_2639.D
Dilution:	1.0			Initial Weight/Volume:	2 mL
Analysis Date:	09/22/2016 1151			Final Weight/Volume:	20 mL
Prep Date:	09/22/2016 1151				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	2.1	U	2.1	10
1,1,2,2-Tetrachloroethane	2.1	U	2.1	10
Tetrachloroethene	2.0	U	2.0	10
Toluene	2.7	J	1.7	10
1,2,3-Trichlorobenzene	2.1	U	2.1	10
1,2,4-Trichlorobenzene	2.1	U	2.1	10
1,1,1-Trichloroethane	1.6	U	1.6	10
1,1,2-Trichloroethane	2.7	U	2.7	10
Trichloroethene	350		1.6	10
Trichlorofluoromethane	2.9	U	2.9	10
1,2,3-Trichloropropane	3.3	U	3.3	10
1,2,4-Trimethylbenzene	1.5	U	1.5	10
1,3,5-Trimethylbenzene	1.6	U	1.6	10
Xylenes, Total	1.9	U	1.9	10
1,2-Dibromoethane	1.8	U	1.8	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	116		70 - 127
Toluene-d8 (Surr)	106		80 - 125
4-Bromofluorobenzene (Surr)	104		78 - 120
Dibromofluoromethane (Surr)	121	X	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-2690**

Lab Sample ID: 280-88072-54
Client Matrix: Water

Date Sampled: 09/08/2016 0800
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342848	Instrument ID:	VMS_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P2029.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 1657			Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 1657				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	2.5	J	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.33	J * B	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-2690**

Lab Sample ID: 280-88072-54
Client Matrix: Water

Date Sampled: 09/08/2016 0800
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342848	Instrument ID:	VMS_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P2029.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 1657			Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 1657				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		70 - 127
Toluene-d8 (Surr)	97		80 - 125
4-Bromofluorobenzene (Surr)	90		78 - 120
Dibromofluoromethane (Surr)	101		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S69B**

Lab Sample ID: 280-88072-55
Client Matrix: Water

Date Sampled: 09/08/2016 1135
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342652	Instrument ID:	VMS_G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G8882.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1639			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1639				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U *	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U *	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S69B**

Lab Sample ID: 280-88072-55
Client Matrix: Water

Date Sampled: 09/08/2016 1135
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342652	Instrument ID:	VMS_G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G8882.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1639			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1639				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	125		70 - 127
Toluene-d8 (Surr)	101		80 - 125
4-Bromofluorobenzene (Surr)	102		78 - 120
Dibromofluoromethane (Surr)	113		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S73B**

Lab Sample ID: 280-88072-56
Client Matrix: Water

Date Sampled: 09/08/2016 0910
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342848	Instrument ID:	VMS_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P2030.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 1717			Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 1717				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	4.0	J	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U *	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S73B**

Lab Sample ID: 280-88072-56
Client Matrix: Water

Date Sampled: 09/08/2016 0910
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342848	Instrument ID:	VMS_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P2030.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 1717			Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 1717				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.37	J	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.27	J	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	116		70 - 127
Toluene-d8 (Surr)	109		80 - 125
4-Bromofluorobenzene (Surr)	101		78 - 120
Dibromofluoromethane (Surr)	114		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S73C**

Lab Sample ID: 280-88072-57
Client Matrix: Water

Date Sampled: 09/08/2016 0950
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342848	Instrument ID:	VMS_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P2031.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 1736			Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 1736				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	7.2	J	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	1.4		0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	1.4		0.15	1.0
trans-1,2-Dichloroethene	5.5		0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U *	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S73C**

Lab Sample ID: 280-88072-57
Client Matrix: Water

Date Sampled: 09/08/2016 0950
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342848	Instrument ID:	VMS_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P2031.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 1736			Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 1736				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	32		0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		70 - 127
Toluene-d8 (Surr)	98		80 - 125
4-Bromofluorobenzene (Surr)	94		78 - 120
Dibromofluoromethane (Surr)	101		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S73D**

Lab Sample ID: 280-88072-58
Client Matrix: Water

Date Sampled: 09/08/2016 1115
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342848	Instrument ID:	VMS_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P2032.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 1756			Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 1756				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	6.5	J	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.41	J	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.75	J	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U *	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S73D**

Lab Sample ID: 280-88072-58
Client Matrix: Water

Date Sampled: 09/08/2016 1115
Date Received: 09/13/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-342848	Instrument ID:	VMS_P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P2032.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 1756			Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 1756				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	1.1		0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		70 - 127
Toluene-d8 (Surr)	93		80 - 125
4-Bromofluorobenzene (Surr)	86		78 - 120
Dibromofluoromethane (Surr)	97		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: PIN12-0524

Lab Sample ID: 280-88072-1
Client Matrix: Water

Date Sampled: 09/10/2016 0905
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342016	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4783.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/14/2016 0913			Final Weight/Volume:	20 mL
Prep Date:	09/14/2016 0913				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	1.8		0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: PIN12-0525

Lab Sample ID: 280-88072-2
Client Matrix: Water

Date Sampled: 09/10/2016 0820
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342016	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4784.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/14/2016 0932			Final Weight/Volume:	20 mL
Prep Date:	09/14/2016 0932				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	2.7		0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0539**

Lab Sample ID: 280-88072-3
Client Matrix: Water

Date Sampled: 09/08/2016 1630
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342016	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4785.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/14/2016 0959			Final Weight/Volume:	20 mL
Prep Date:	09/14/2016 0959				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	25	E	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	112		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0540**

Lab Sample ID: 280-88072-4
Client Matrix: Water

Date Sampled: 09/08/2016 1540
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342016	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4805.D
Dilution:	1.0			Initial Weight/Volume:	2 mL
Analysis Date:	09/14/2016 1616			Final Weight/Volume:	20 mL
Prep Date:	09/14/2016 1616				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	67		2.2	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0554A**

Lab Sample ID: 280-88072-5
Client Matrix: Water

Date Sampled: 09/08/2016 1350
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342016	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4789.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/14/2016 1111			Final Weight/Volume:	20 mL
Prep Date:	09/14/2016 1111				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.34	J	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0554B**

Lab Sample ID: 280-88072-6
Client Matrix: Water

Date Sampled: 09/08/2016 1415
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342016	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4790.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/14/2016 1129			Final Weight/Volume:	20 mL
Prep Date:	09/14/2016 1129				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.69	J	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0554C**

Lab Sample ID: 280-88072-7
Client Matrix: Water

Date Sampled: 09/08/2016 1450
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342016	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4806.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/14/2016 1634			Final Weight/Volume:	20 mL
Prep Date:	09/14/2016 1634				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	37		0.88	4.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0555A**

Lab Sample ID: 280-88072-8
Client Matrix: Water

Date Sampled: 09/08/2016 1410
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342016	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4792.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/14/2016 1205			Final Weight/Volume:	20 mL
Prep Date:	09/14/2016 1205				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.22	U	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0555B**

Lab Sample ID: 280-88072-9
Client Matrix: Water

Date Sampled: 09/08/2016 1450
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342016	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4793.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/14/2016 1223			Final Weight/Volume:	20 mL
Prep Date:	09/14/2016 1223				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.22	U	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0555C**

Lab Sample ID: 280-88072-10
Client Matrix: Water

Date Sampled: 09/08/2016 1535
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342016	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4794.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/14/2016 1257			Final Weight/Volume:	20 mL
Prep Date:	09/14/2016 1257				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.22	U	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0561-1**

Lab Sample ID: 280-88072-11
Client Matrix: Water

Date Sampled: 09/10/2016 1130
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342016	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4795.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/14/2016 1315			Final Weight/Volume:	20 mL
Prep Date:	09/14/2016 1315				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.22	U	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0561-2**

Lab Sample ID: 280-88072-12
Client Matrix: Water

Date Sampled: 09/10/2016 1150
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342016	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4796.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/14/2016 1333			Final Weight/Volume:	20 mL
Prep Date:	09/14/2016 1333				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.22	U	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: PIN12-0561-3

Lab Sample ID: 280-88072-13
Client Matrix: Water

Date Sampled: 09/10/2016 1220
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342016	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4797.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/14/2016 1352			Final Weight/Volume:	20 mL
Prep Date:	09/14/2016 1352				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.77	J	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0568-1**

Lab Sample ID: 280-88072-14
Client Matrix: Water

Date Sampled: 09/10/2016 0945
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342016	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4798.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/14/2016 1410			Final Weight/Volume:	20 mL
Prep Date:	09/14/2016 1410				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.22	U	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	87		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: PIN12-0568-2

Lab Sample ID: 280-88072-15
Client Matrix: Water

Date Sampled: 09/10/2016 1015
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342016	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4799.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/14/2016 1428			Final Weight/Volume:	20 mL
Prep Date:	09/14/2016 1428				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.22	U	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0568-3**

Lab Sample ID: 280-88072-16
Client Matrix: Water

Date Sampled: 09/10/2016 1040
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342016	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4800.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/14/2016 1446			Final Weight/Volume:	20 mL
Prep Date:	09/14/2016 1446				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.22	U	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0569-1**

Lab Sample ID: 280-88072-17
Client Matrix: Water

Date Sampled: 09/09/2016 1430
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342016	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4801.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/14/2016 1504			Final Weight/Volume:	20 mL
Prep Date:	09/14/2016 1504				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.22	U	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: PIN12-0569-2

Lab Sample ID: 280-88072-18
Client Matrix: Water

Date Sampled: 09/09/2016 1515
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342016	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4802.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/14/2016 1522			Final Weight/Volume:	20 mL
Prep Date:	09/14/2016 1522				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	1.9		0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: PIN12-0569-3

Lab Sample ID: 280-88072-19
Client Matrix: Water

Date Sampled: 09/09/2016 1545
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342016	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4803.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/14/2016 1540			Final Weight/Volume:	20 mL
Prep Date:	09/14/2016 1540				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	1.5		0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0570-1**

Lab Sample ID: 280-88072-20
Client Matrix: Water

Date Sampled: 09/10/2016 0810
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342016	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4804.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/14/2016 1558			Final Weight/Volume:	20 mL
Prep Date:	09/14/2016 1558				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.22	U	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: PIN12-0570-2

Lab Sample ID: 280-88072-21
Client Matrix: Water

Date Sampled: 09/10/2016 0830
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342611	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4814.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/18/2016 0926			Final Weight/Volume:	20 mL
Prep Date:	09/18/2016 0926				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.99	J	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0570-3**

Lab Sample ID: 280-88072-22
Client Matrix: Water

Date Sampled: 09/10/2016 0910
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342611	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4815.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/18/2016 0944			Final Weight/Volume:	20 mL
Prep Date:	09/18/2016 0944				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	1.1		0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0573-1**

Lab Sample ID: 280-88072-23
Client Matrix: Water

Date Sampled: 09/09/2016 0840
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342611	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4816.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/18/2016 1002			Final Weight/Volume:	20 mL
Prep Date:	09/18/2016 1002				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.22	U	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	113		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: PIN12-0573-2

Lab Sample ID: 280-88072-24
Client Matrix: Water

Date Sampled: 09/09/2016 0920
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342611	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4819.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/18/2016 1056			Final Weight/Volume:	20 mL
Prep Date:	09/18/2016 1056				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.78	J	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: PIN12-0573-3

Lab Sample ID: 280-88072-25
Client Matrix: Water

Date Sampled: 09/09/2016 1050
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342611	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4820.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/18/2016 1114			Final Weight/Volume:	20 mL
Prep Date:	09/18/2016 1114				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.22	U	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: PIN12-0577-1

Lab Sample ID: 280-88072-26
Client Matrix: Water

Date Sampled: 09/09/2016 1245
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342611	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4821.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/18/2016 1133			Final Weight/Volume:	20 mL
Prep Date:	09/18/2016 1133				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.22	U	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: PIN12-0577-2

Lab Sample ID: 280-88072-27
Client Matrix: Water

Date Sampled: 09/09/2016 1305
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342611	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4822.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/18/2016 1151			Final Weight/Volume:	20 mL
Prep Date:	09/18/2016 1151				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.22	U	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: PIN12-0577-3

Lab Sample ID: 280-88072-28
Client Matrix: Water

Date Sampled: 09/09/2016 1330
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342611	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4823.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/18/2016 1209			Final Weight/Volume:	20 mL
Prep Date:	09/18/2016 1209				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.22	U	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0578-1**

Lab Sample ID: 280-88072-29
Client Matrix: Water

Date Sampled: 09/09/2016 1515
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342611	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4824.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/18/2016 1227			Final Weight/Volume:	20 mL
Prep Date:	09/18/2016 1227				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.22	U	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: PIN12-0578-2

Lab Sample ID: 280-88072-30
Client Matrix: Water

Date Sampled: 09/09/2016 1535
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342611	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4825.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/18/2016 1245			Final Weight/Volume:	20 mL
Prep Date:	09/18/2016 1245				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.22	U	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0578-3**

Lab Sample ID: 280-88072-31
Client Matrix: Water

Date Sampled: 09/09/2016 1605
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342611	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4826.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/18/2016 1304			Final Weight/Volume:	20 mL
Prep Date:	09/18/2016 1304				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.22	U	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0579-1**

Lab Sample ID: 280-88072-32
Client Matrix: Water

Date Sampled: 09/09/2016 1345
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342611	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4827.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/18/2016 1322			Final Weight/Volume:	20 mL
Prep Date:	09/18/2016 1322				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.22	U	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0579-2**

Lab Sample ID: 280-88072-33
Client Matrix: Water

Date Sampled: 09/09/2016 1400
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342611	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4828.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/18/2016 1340			Final Weight/Volume:	20 mL
Prep Date:	09/18/2016 1340				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.22	U	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0579-3**

Lab Sample ID: 280-88072-34
Client Matrix: Water

Date Sampled: 09/09/2016 1435
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342611	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4829.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/18/2016 1358			Final Weight/Volume:	20 mL
Prep Date:	09/18/2016 1358				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.22	U	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0581-1**

Lab Sample ID: 280-88072-35
Client Matrix: Water

Date Sampled: 09/09/2016 1640
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342611	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4830.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/18/2016 1416			Final Weight/Volume:	20 mL
Prep Date:	09/18/2016 1416				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.22	U	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0581-2**

Lab Sample ID: 280-88072-36
Client Matrix: Water

Date Sampled: 09/09/2016 1705
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342611	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4836.D
Dilution:	1.0			Initial Weight/Volume:	2 mL
Analysis Date:	09/18/2016 1611			Final Weight/Volume:	20 mL
Prep Date:	09/18/2016 1611				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	75		2.2	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	79		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: PIN12-0581-3

Lab Sample ID: 280-88072-37
Client Matrix: Water

Date Sampled: 09/09/2016 1740
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342611	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4832.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/18/2016 1452			Final Weight/Volume:	20 mL
Prep Date:	09/18/2016 1452				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	9.5		0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0582-1**

Lab Sample ID: 280-88072-38
Client Matrix: Water

Date Sampled: 09/09/2016 1645
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342611	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4837.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/18/2016 1629			Final Weight/Volume:	20 mL
Prep Date:	09/18/2016 1629				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	27		0.88	4.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0582-2**

Lab Sample ID: 280-88072-39
Client Matrix: Water

Date Sampled: 09/08/2016 1635
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342611	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4838.D
Dilution:	1.0			Initial Weight/Volume:	1 mL
Analysis Date:	09/18/2016 1648			Final Weight/Volume:	20 mL
Prep Date:	09/18/2016 1648				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	110		4.4	20

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0582-3**

Lab Sample ID: 280-88072-40
Client Matrix: Water

Date Sampled: 09/09/2016 1705
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342611	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4835.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/18/2016 1546			Final Weight/Volume:	20 mL
Prep Date:	09/18/2016 1546				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	5.5		0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	84		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0583-1**

Lab Sample ID: 280-88072-41
Client Matrix: Water

Date Sampled: 09/09/2016 0910
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342632	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4846.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 0750			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 0750				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.22	U	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0583-2**

Lab Sample ID: 280-88072-42
Client Matrix: Water

Date Sampled: 09/08/2016 0950
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342632	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4847.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 0808			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 0808				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	2.1	B	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	111		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0583-3**

Lab Sample ID: 280-88072-43
Client Matrix: Water

Date Sampled: 09/08/2016 1035
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342632	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4848.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 0826			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 0826				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.22	U	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0584-1**

Lab Sample ID: 280-88072-44
Client Matrix: Water

Date Sampled: 09/10/2016 1245
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342632	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4849.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 0844			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 0844				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.87	J B	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0584-2**

Lab Sample ID: 280-88072-45
Client Matrix: Water

Date Sampled: 09/10/2016 1315
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342632	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4852.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 0939			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 0939				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	1.2	B	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0584-3**

Lab Sample ID: 280-88072-46
Client Matrix: Water

Date Sampled: 09/10/2016 1310
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342632	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4853.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1001			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1001				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	1.1	B	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0585-1**

Lab Sample ID: 280-88072-47
Client Matrix: Water

Date Sampled: 09/10/2016 0950
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342632	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4854.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1019			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1019				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	5.0	B	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0585-2**

Lab Sample ID: 280-88072-48
Client Matrix: Water

Date Sampled: 09/10/2016 1010
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342632	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4855.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1037			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1037				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	2.8	B	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: PIN12-0585-3

Lab Sample ID: 280-88072-49
Client Matrix: Water

Date Sampled: 09/10/2016 1210
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342632	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4856.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1055			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1055				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	3.4	B	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	84		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: PIN12-2450

Lab Sample ID: 280-88072-51
Client Matrix: Water

Date Sampled: 09/09/2016 1440
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342632	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4858.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1132			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1132				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	1.3	B	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-2453**

Lab Sample ID: 280-88072-52
Client Matrix: Water

Date Sampled: 09/09/2016 1600
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342632	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4866.D
Dilution:	1.0			Initial Weight/Volume:	1 mL
Analysis Date:	09/19/2016 1357			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1357				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	150	B	4.4	20

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	79		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-2454**

Lab Sample ID: 280-88072-53
Client Matrix: Water

Date Sampled: 09/10/2016 1200
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342632	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4860.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1208			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1208				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	3.4	B	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-2690**

Lab Sample ID: 280-88072-54
Client Matrix: Water

Date Sampled: 09/08/2016 0800
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342632	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4861.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1226			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1226				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.22	U	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S69B**

Lab Sample ID: 280-88072-55
Client Matrix: Water

Date Sampled: 09/08/2016 1135
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342632	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4862.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1244			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1244				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.22	U	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S73B**

Lab Sample ID: 280-88072-56
Client Matrix: Water

Date Sampled: 09/08/2016 0910
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342632	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4863.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1302			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1302				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.22	U	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S73C**

Lab Sample ID: 280-88072-57
Client Matrix: Water

Date Sampled: 09/08/2016 0950
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342632	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4867.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/19/2016 1416			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1416				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	30	B	0.88	4.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S73D**

Lab Sample ID: 280-88072-58
Client Matrix: Water

Date Sampled: 09/08/2016 1115
Date Received: 09/13/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-342632	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4865.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1339			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1339				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	12	B	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
280-88072-1	PIN12-0524	108	110	95	91
280-88072-2	PIN12-0525	106	98	106	103
280-88072-3	PIN12-0539	114	114	99	99
280-88072-4	PIN12-0540	111	114	96	93
280-88072-5	PIN12-0554A	110	109	100	94
280-88072-6	PIN12-0554B	113	114	103	97
280-88072-7	PIN12-0554C	112	112	101	97
280-88072-8	PIN12-0555A	109	107	97	95
280-88072-9	PIN12-0555B	116	118	103	98
280-88072-10	PIN12-0555C	111	111	98	96
280-88072-11	PIN12-0561-1	100	103	90	89
280-88072-12	PIN12-0561-2	112	113	96	94
280-88072-13	PIN12-0561-3	112	114	100	96
280-88072-14	PIN12-0568-1	112	115	98	97
280-88072-15	PIN12-0568-2	108	112	95	92
280-88072-16	PIN12-0568-3	114	118	96	94
280-88072-17	PIN12-0569-1	112	115	98	97
280-88072-18	PIN12-0569-2	112	115	99	95
280-88072-19	PIN12-0569-3	114	119	91	88
280-88072-20	PIN12-0570-1	103	109	85	85
280-88072-21	PIN12-0570-2	112	116	100	88
280-88072-22	PIN12-0570-3	112	116	102	93
280-88072-23	PIN12-0573-1	98	100	103	101
280-88072-24	PIN12-0573-2	107	114	100	101
280-88072-25	PIN12-0573-3	108	102	114	102
280-88072-26	PIN12-0577-1	108	120	103	100
280-88072-27	PIN12-0577-2	97	94	99	92
280-88072-28	PIN12-0577-3	111	121	107	104
280-88072-29	PIN12-0578-1	98	97	95	91

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	77-120
DCA = 1,2-Dichloroethane-d4 (Surr)	70-127
TOL = Toluene-d8 (Surr)	80-125
BFB = 4-Bromofluorobenzene (Surr)	78-120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
280-88072-30	PIN12-0578-2	102	100	99	93
280-88072-31	PIN12-0578-3	115	110	114	110
280-88072-32	PIN12-0579-1	106	102	95	99
280-88072-33	PIN12-0579-2	112	111	94	97
280-88072-34	PIN12-0579-3	113	116	93	97
280-88072-35	PIN12-0581-1	114	117	92	96
280-88072-36	PIN12-0581-2	114	117	91	97
280-88072-37	PIN12-0581-3	115	123	90	97
280-88072-38	PIN12-0582-1	116	120	91	97
280-88072-39	PIN12-0582-2	113	123	100	104
280-88072-39 DL	PIN12-0582-2 DL	102	100	97	93
280-88072-40	PIN12-0582-3	110	112	91	94
280-88072-41	PIN12-0583-1	101	105	82	88
280-88072-42	PIN12-0583-2	119	124	95	100
280-88072-43	PIN12-0583-3	101	99	96	89
280-88072-44	PIN12-0584-1	108	114	104	94
280-88072-45	PIN12-0584-2	113	124	98	92
280-88072-45 DL	PIN12-0584-2 DL	111	111	101	91
280-88072-46	PIN12-0584-3	113	123	103	94
280-88072-46 DL	PIN12-0584-3 DL	102	89	94	91
280-88072-47	PIN12-0585-1	104	99	103	98
280-88072-48 DL	PIN12-0585-2 DL	110	105	93	90
280-88072-48	PIN12-0585-2	113	110	101	98
280-88072-49	PIN12-0585-3	112	108	103	100
280-88072-50	PIN12-2198	106	115	99	101
280-88072-51	PIN12-2450	101	100	98	89
280-88072-52 DL	PIN12-2453 DL	111	110	108	100
280-88072-52	PIN12-2453	96	92	94	86
280-88072-53 DL	PIN12-2454 DL	108	100	102	98
280-88072-53	PIN12-2454	121X	116	106	104

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	77-120
DCA = 1,2-Dichloroethane-d4 (Surr)	70-127
TOL = Toluene-d8 (Surr)	80-125
BFB = 4-Bromofluorobenzene (Surr)	78-120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
280-88072-54	PIN12-2690	101	103	97	90
280-88072-55	PIN12-S69B	113	125	101	102
280-88072-56	PIN12-S73B	114	116	109	101
280-88072-57	PIN12-S73C	101	105	98	94
280-88072-58	PIN12-S73D	97	99	93	86
MB 280-342466/6		109	108	104	101
MB 280-342633/6		105	101	97	98
MB 280-342652/8		106	117	97	105
MB 280-342810/8		109	115	100	89
MB 280-342848/10		97	95	96	91
MB 280-342867/8		97	93	95	92
MB 280-343016/6		112	98	106	99
MB 280-343037/6		113	108	111	106
MB 280-343048/10		99	99	101	92
MB 280-343232/6		123X	118	114	107
LCS 280-342466/4		101	102	97	93
LCS 280-342633/4		105	100	95	97
LCS 280-342652/6		105	116	99	87
LCS 280-342810/6		116	121	108	88
LCS 280-342848/6		111	108	111	101
LCS 280-342867/6		105	101	102	98
LCS 280-343016/4		96	89	104	96
LCS 280-343037/4		104	100	101	97
LCS 280-343048/6		101	95	97	88
LCS 280-343232/4		105	105	98	92
280-88072-11 MS	PIN12-0561-1 MS	111	116	97	94
280-88072-50 MS	PIN12-2198 MS	109	121	100	89
280-87980-B-1 MS		107	103	93	97
280-88243-H-2 MS		112	117	105	91
280-88171-D-4 MS		101	100	96	86

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	77-120
DCA = 1,2-Dichloroethane-d4 (Surr)	70-127
TOL = Toluene-d8 (Surr)	80-125
BFB = 4-Bromofluorobenzene (Surr)	78-120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
280-88076-G-1 MS		108	108	95	93
280-88180-A-4 MS		98	88	102	95
280-88160-D-1 MS		109	105	101	96
280-88193-I-1 MS		101	98	97	88
280-88160-F-4 MS		116	114	106	101
280-88072-11 MSD	PIN12-0561-1 MSD	102	105	92	88
280-88072-50 MSD	PIN12-2198 MSD	104	118	94	84
280-87980-B-1 MSD		107	104	93	96
280-88243-H-2 MSD		113	117	108	85
280-88171-D-4 MSD		100	100	96	86
280-88076-G-1 MSD		102	102	91	88
280-88180-A-4 MSD		97	86	103	92
280-88160-D-1 MSD		131X	123	120	113
280-88193-I-1 MSD		113	110	107	99
280-88160-F-4 MSD		115	114	105	100

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	77-120
DCA = 1,2-Dichloroethane-d4 (Surr)	70-127
TOL = Toluene-d8 (Surr)	80-125
BFB = 4-Bromofluorobenzene (Surr)	78-120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Surrogate Recovery Report

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec
280-88072-1	PIN12-0524	98
280-88072-2	PIN12-0525	103
280-88072-3	PIN12-0539	112
280-88072-4	PIN12-0540	99
280-88072-5	PIN12-0554A	102
280-88072-6	PIN12-0554B	102
280-88072-7	PIN12-0554C	100
280-88072-8	PIN12-0555A	90
280-88072-9	PIN12-0555B	99
280-88072-10	PIN12-0555C	92
280-88072-11	PIN12-0561-1	94
280-88072-12	PIN12-0561-2	98
280-88072-13	PIN12-0561-3	92
280-88072-14	PIN12-0568-1	87
280-88072-15	PIN12-0568-2	98
280-88072-16	PIN12-0568-3	97
280-88072-17	PIN12-0569-1	95
280-88072-18	PIN12-0569-2	88
280-88072-19	PIN12-0569-3	93
280-88072-20	PIN12-0570-1	101
280-88072-21	PIN12-0570-2	91
280-88072-22	PIN12-0570-3	107
280-88072-23	PIN12-0573-1	113
280-88072-24	PIN12-0573-2	98
280-88072-25	PIN12-0573-3	102
280-88072-26	PIN12-0577-1	93
280-88072-27	PIN12-0577-2	94
280-88072-28	PIN12-0577-3	92
280-88072-29	PIN12-0578-1	98

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Surrogate Recovery Report

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec
280-88072-30	PIN12-0578-2	99
280-88072-31	PIN12-0578-3	95
280-88072-32	PIN12-0579-1	96
280-88072-33	PIN12-0579-2	95
280-88072-34	PIN12-0579-3	91
280-88072-35	PIN12-0581-1	88
280-88072-36	PIN12-0581-2	79
280-88072-37	PIN12-0581-3	94
280-88072-38	PIN12-0582-1	91
280-88072-39	PIN12-0582-2	102
280-88072-40	PIN12-0582-3	84
280-88072-41	PIN12-0583-1	97
280-88072-42	PIN12-0583-2	111
280-88072-43	PIN12-0583-3	103
280-88072-44	PIN12-0584-1	99
280-88072-45	PIN12-0584-2	105
280-88072-46	PIN12-0584-3	93
280-88072-47	PIN12-0585-1	90
280-88072-48	PIN12-0585-2	94
280-88072-49	PIN12-0585-3	84
280-88072-51	PIN12-2450	98
280-88072-52	PIN12-2453	79
280-88072-53	PIN12-2454	94
280-88072-54	PIN12-2690	103
280-88072-55	PIN12-S69B	89
280-88072-56	PIN12-S73B	102
280-88072-57	PIN12-S73C	89
280-88072-58	PIN12-S73D	90
MB 280-342016/5		103
MB 280-342611/5		110

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Surrogate Recovery Report

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec
MB 280-342632/5		109
LCS 280-342016/3		100
LCS 280-342611/3		104
LCS 280-342632/3		106
LCSD 280-342016/4		97
280-88072-1 MS	PIN12-0524 MS	106
280-88072-21 MS	PIN12-0570-2 MS	91
280-88072-41 MS	PIN12-0583-1 MS	103
280-88072-1 MSD	PIN12-0524 MSD	98
280-88072-21 MSD	PIN12-0570-2 MSD	101
280-88072-41 MSD	PIN12-0583-1 MSD	108

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Method Blank - Batch: 280-342466

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-342466/6	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G2_2351.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/16/2016 0925	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 0925				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Method Blank - Batch: 280-342466

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-342466/6	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G2_2351.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/16/2016 0925	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 0925				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
n-Propylbenzene	0.16	U	0.16	1.0
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108	70 - 127
Toluene-d8 (Surr)	104	80 - 125
4-Bromofluorobenzene (Surr)	101	78 - 120
Dibromofluoromethane (Surr)	109	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Lab Control Sample - Batch: 280-342466

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 280-342466/4	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G2_2350.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/16/2016 0906	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 0906				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	5.00	5.37	107	65 - 135	
Bromodichloromethane	5.00	5.25	105	65 - 135	
Carbon tetrachloride	5.00	6.00	120	65 - 135	
Chlorobenzene	5.00	4.81	96	65 - 135	
Chloroform	5.00	5.52	110	65 - 135	
1,3-Dichlorobenzene	5.00	4.86	97	65 - 135	
1,1-Dichloroethane	5.00	5.28	106	65 - 135	
trans-1,2-Dichloroethene	5.00	5.64	113	65 - 135	
1,1-Dichloroethene	5.00	5.66	113	65 - 136	
1,2-Dichloropropane	5.00	5.06	101	64 - 135	
Ethylbenzene	5.00	4.95	99	65 - 135	
Methylene Chloride	5.00	3.45	69	54 - 141	
Tetrachloroethene	5.00	5.20	104	65 - 135	
Toluene	5.00	5.49	110	65 - 135	
1,1,1-Trichloroethane	5.00	5.81	116	65 - 135	
Trichloroethene	5.00	5.47	109	65 - 135	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102	70 - 127
Toluene-d8 (Surr)	97	80 - 125
4-Bromofluorobenzene (Surr)	93	78 - 120
Dibromofluoromethane (Surr)	101	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-342466

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-88072-11	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G2_2360.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/16/2016 1305			Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 1305				20 mL
Leach Date:	N/A				

MSD Lab Sample ID:	280-88072-11	Analysis Batch:	280-342466	Instrument ID:	VMS_G2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G2_2361.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/16/2016 1325			Final Weight/Volume:	20 mL
Prep Date:	09/16/2016 1325				20 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	112	102	65 - 135	9	20		
Bromodichloromethane	118	107	65 - 135	10	20		
Carbon tetrachloride	124	112	65 - 135	11	21		
Chlorobenzene	98	91	65 - 135	8	20		
Chloroform	119	107	65 - 135	10	20		
1,3-Dichlorobenzene	98	91	65 - 135	8	20		
1,1-Dichloroethane	112	102	65 - 135	10	21		
trans-1,2-Dichloroethene	116	107	65 - 135	8	24		
1,1-Dichloroethene	114	105	65 - 136	9	20		
1,2-Dichloropropane	110	99	64 - 135	10	20		
Ethylbenzene	99	93	65 - 135	7	20		
Methylene Chloride	81	71	54 - 141	14	26		
Tetrachloroethene	101	94	65 - 135	8	20		
Toluene	114	104	65 - 135	9	20		
1,1,1-Trichloroethane	124	111	65 - 135	11	20		
Trichloroethene	111	101	65 - 135	10	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	116	105	70 - 127
Toluene-d8 (Surr)	97	92	80 - 125
4-Bromofluorobenzene (Surr)	94	88	78 - 120
Dibromofluoromethane (Surr)	111	102	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-342466

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-88072-11	Units: ug/L		MSD Lab Sample ID:	280-88072-11
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/16/2016 1305			Analysis Date:	09/16/2016 1325
Prep Date:	09/16/2016 1305			Prep Date:	09/16/2016 1325
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Benzene	0.16	U	5.00	5.00	5.60	5.10
Bromodichloromethane	0.17	U	5.00	5.00	5.91	5.36
Carbon tetrachloride	0.19	U	5.00	5.00	6.21	5.58
Chlorobenzene	0.17	U	5.00	5.00	4.90	4.54
Chloroform	0.16	U	5.00	5.00	5.93	5.36
1,3-Dichlorobenzene	0.13	U	5.00	5.00	4.92	4.53
1,1-Dichloroethane	0.22	U	5.00	5.00	5.62	5.09
trans-1,2-Dichloroethene	0.15	U	5.00	5.00	5.78	5.36
1,1-Dichloroethene	0.23	U	5.00	5.00	5.71	5.23
1,2-Dichloropropane	0.18	U	5.00	5.00	5.48	4.97
Ethylbenzene	0.16	U	5.00	5.00	4.96	4.64
Methylene Chloride	0.32	U	5.00	5.00	4.05	3.54
Tetrachloroethene	0.20	U	5.00	5.00	5.07	4.69
Toluene	0.17	U	5.00	5.00	5.72	5.21
1,1,1-Trichloroethane	0.16	U	5.00	5.00	6.21	5.56
Trichloroethene	0.16	U	5.00	5.00	5.56	5.03

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Method Blank - Batch: 280-342633

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-342633/6	Analysis Batch:	280-342633	Instrument ID:	VMS_G2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G2_2441.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 0808	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 0808				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Method Blank - Batch: 280-342633

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-342633/6	Analysis Batch:	280-342633	Instrument ID:	VMS_G2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G2_2441.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 0808	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 0808				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
n-Propylbenzene	0.16	U	0.16	1.0
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101	70 - 127
Toluene-d8 (Surr)	97	80 - 125
4-Bromofluorobenzene (Surr)	98	78 - 120
Dibromofluoromethane (Surr)	105	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Lab Control Sample - Batch: 280-342633

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 280-342633/4	Analysis Batch:	280-342633	Instrument ID:	VMS_G2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G2_2440.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 0748	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 0748				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	5.00	5.63	113	65 - 135	
Bromodichloromethane	5.00	5.27	105	65 - 135	
Carbon tetrachloride	5.00	5.19	104	65 - 135	
Chlorobenzene	5.00	4.82	96	65 - 135	
Chloroform	5.00	5.32	106	65 - 135	
1,3-Dichlorobenzene	5.00	4.78	96	65 - 135	
1,1-Dichloroethane	5.00	5.42	108	65 - 135	
trans-1,2-Dichloroethene	5.00	5.63	113	65 - 135	
1,1-Dichloroethene	5.00	5.56	111	65 - 136	
1,2-Dichloropropane	5.00	5.70	114	64 - 135	
Ethylbenzene	5.00	4.87	97	65 - 135	
Methylene Chloride	5.00	3.93	79	54 - 141	
Tetrachloroethene	5.00	4.87	97	65 - 135	
Toluene	5.00	5.69	114	65 - 135	
1,1,1-Trichloroethane	5.00	5.33	107	65 - 135	
Trichloroethene	5.00	5.51	110	65 - 135	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	70 - 127
Toluene-d8 (Surr)	95	80 - 125
4-Bromofluorobenzene (Surr)	97	78 - 120
Dibromofluoromethane (Surr)	105	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-342633

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-87980-B-1 MS	Analysis Batch:	280-342633	Instrument ID:	VMS_G2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G2_2449.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1059			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1059				20 mL
Leach Date:	N/A				

MSD Lab Sample ID:	280-87980-B-1 MSD	Analysis Batch:	280-342633	Instrument ID:	VMS_G2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G2_2450.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1118			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1118				20 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	111	114	65 - 135	2	20		
Bromodichloromethane	106	110	65 - 135	4	20		
Carbon tetrachloride	105	105	65 - 135	1	21		
Chlorobenzene	93	96	65 - 135	3	20		
Chloroform	109	111	65 - 135	2	20		
1,3-Dichlorobenzene	92	95	65 - 135	3	20		
1,1-Dichloroethane	108	108	65 - 135	0	21		
trans-1,2-Dichloroethene	112	113	65 - 135	1	24		
1,1-Dichloroethene	112	112	65 - 136	0	20		
1,2-Dichloropropane	113	115	64 - 135	2	20		
Ethylbenzene	96	97	65 - 135	1	20		
Methylene Chloride	76	76	54 - 141	1	26		
Tetrachloroethene	93	96	65 - 135	3	20		
Toluene	113	116	65 - 135	2	20		
1,1,1-Trichloroethane	107	107	65 - 135	0	20		
Trichloroethene	108	110	65 - 135	2	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	104	70 - 127
Toluene-d8 (Surr)	93	93	80 - 125
4-Bromofluorobenzene (Surr)	97	96	78 - 120
Dibromofluoromethane (Surr)	107	107	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-342633

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-87980-B-1 MS	Units: ug/L	
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	09/19/2016 1059		
Prep Date:	09/19/2016 1059		
Leach Date:	N/A		

MSD Lab Sample ID:	280-87980-B-1 MSD
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	09/19/2016 1118
Prep Date:	09/19/2016 1118
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Benzene	0.16	U	5.00	5.00	5.57	5.68
Bromodichloromethane	0.17	U	5.00	5.00	5.32	5.52
Carbon tetrachloride	0.19	U	5.00	5.00	5.26	5.23
Chlorobenzene	0.17	U	5.00	5.00	4.67	4.82
Chloroform	0.16	U	5.00	5.00	5.45	5.54
1,3-Dichlorobenzene	0.13	U	5.00	5.00	4.60	4.76
1,1-Dichloroethane	0.22	U	5.00	5.00	5.38	5.40
trans-1,2-Dichloroethene	0.15	U	5.00	5.00	5.59	5.66
1,1-Dichloroethene	0.23	U	5.00	5.00	5.60	5.61
1,2-Dichloropropane	0.18	U	5.00	5.00	5.63	5.74
Ethylbenzene	0.16	U	5.00	5.00	4.78	4.84
Methylene Chloride	0.32	U	5.00	5.00	3.78	3.80
Tetrachloroethene	0.20	U	5.00	5.00	4.65	4.79
Toluene	0.17	U	5.00	5.00	5.67	5.78
1,1,1-Trichloroethane	0.16	U	5.00	5.00	5.37	5.35
Trichloroethene	0.57	J	5.00	5.00	5.99	6.09

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Method Blank - Batch: 280-342652

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-342652/8	Analysis Batch:	280-342652	Instrument ID:	VMS_G
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G8870.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1213	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1213				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Method Blank - Batch: 280-342652

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-342652/8	Analysis Batch:	280-342652	Instrument ID:	VMS_G
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G8870.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1213	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1213				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
n-Propylbenzene	0.16	U	0.16	1.0
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.264	J	0.21	1.0
1,2,4-Trichlorobenzene	0.577	J	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	117	70 - 127
Toluene-d8 (Surr)	97	80 - 125
4-Bromofluorobenzene (Surr)	105	78 - 120
Dibromofluoromethane (Surr)	106	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Lab Control Sample - Batch: 280-342652

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 280-342652/6	Analysis Batch:	280-342652	Instrument ID:	VMS_G
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G8863.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 0930	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 0930				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	5.00	5.41	108	65 - 135	
Bromodichloromethane	5.00	6.40	128	65 - 135	
Carbon tetrachloride	5.00	6.52	130	65 - 135	
Chlorobenzene	5.00	5.41	108	65 - 135	
Chloroform	5.00	6.13	123	65 - 135	
1,3-Dichlorobenzene	5.00	5.45	109	65 - 135	
1,1-Dichloroethane	5.00	5.47	109	65 - 135	
trans-1,2-Dichloroethene	5.00	5.96	119	65 - 135	
1,1-Dichloroethene	5.00	6.05	121	65 - 136	
1,2-Dichloropropane	5.00	5.41	108	64 - 135	
Ethylbenzene	5.00	4.95	99	65 - 135	
Methylene Chloride	5.00	6.45	129	54 - 141	
Tetrachloroethene	5.00	5.07	101	65 - 135	
Toluene	5.00	5.82	116	65 - 135	
1,1,1-Trichloroethane	5.00	6.43	129	65 - 135	
Trichloroethene	5.00	5.61	112	65 - 135	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	116	70 - 127
Toluene-d8 (Surr)	99	80 - 125
4-Bromofluorobenzene (Surr)	87	78 - 120
Dibromofluoromethane (Surr)	105	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-342652

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-88072-50	Analysis Batch:	280-342652	Instrument ID:	VMS_G
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G8868.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1129			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1129				20 mL
Leach Date:	N/A				

MSD Lab Sample ID:	280-88072-50	Analysis Batch:	280-342652	Instrument ID:	VMS_G
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G8869.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 1151			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 1151				20 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	105	103	65 - 135	1	20		
Bromodichloromethane	127	123	65 - 135	3	20		
Carbon tetrachloride	135	120	65 - 135	12	21		
Chlorobenzene	103	100	65 - 135	3	20		
Chloroform	126	122	65 - 135	4	20		
1,3-Dichlorobenzene	101	95	65 - 135	7	20		
1,1-Dichloroethane	111	112	65 - 135	1	21		
trans-1,2-Dichloroethene	118	112	65 - 135	5	24		
1,1-Dichloroethene	121	116	65 - 136	4	20		
1,2-Dichloropropane	106	103	64 - 135	3	20		
Ethylbenzene	94	92	65 - 135	2	20		
Methylene Chloride	130	123	54 - 141	5	26		
Tetrachloroethene	97	90	65 - 135	7	20		
Toluene	115	110	65 - 135	4	20		
1,1,1-Trichloroethane	135	120	65 - 135	11	20		
Trichloroethene	115	109	65 - 135	5	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	121	118	70 - 127
Toluene-d8 (Surr)	100	94	80 - 125
4-Bromofluorobenzene (Surr)	89	84	78 - 120
Dibromofluoromethane (Surr)	109	104	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-342652

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-88072-50	Units: ug/L	MSD Lab Sample ID: 280-88072-50
Client Matrix:	Water		Client Matrix: Water
Dilution:	1.0		Dilution: 1.0
Analysis Date:	09/19/2016 1129		Analysis Date: 09/19/2016 1151
Prep Date:	09/19/2016 1129		Prep Date: 09/19/2016 1151
Leach Date:	N/A		Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Benzene	0.16	U	5.00	5.00	5.25	5.17
Bromodichloromethane	0.17	U	5.00	5.00	6.35	6.17
Carbon tetrachloride	0.19	U	5.00	5.00	6.77	6.01
Chlorobenzene	0.17	U	5.00	5.00	5.13	4.99
Chloroform	0.16	U	5.00	5.00	6.31	6.08
1,3-Dichlorobenzene	0.13	U	5.00	5.00	5.05	4.73
1,1-Dichloroethane	0.22	U	5.00	5.00	5.55	5.59
trans-1,2-Dichloroethene	0.15	U	5.00	5.00	5.90	5.62
1,1-Dichloroethene	0.23	U	5.00	5.00	6.03	5.79
1,2-Dichloropropane	0.18	U	5.00	5.00	5.28	5.13
Ethylbenzene	0.16	U	5.00	5.00	4.68	4.59
Methylene Chloride	0.45	J	5.00	5.00	6.96	6.62
Tetrachloroethene	0.20	U	5.00	5.00	4.85	4.51
Toluene	0.17	U	5.00	5.00	5.73	5.51
1,1,1-Trichloroethane	0.16	U	5.00	5.00	6.73	6.01
Trichloroethene	0.16	U	5.00	5.00	5.75	5.45

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Method Blank - Batch: 280-342810

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-342810/8	Analysis Batch:	280-342810	Instrument ID:	VMS_H
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	H9290.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 2238	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 2238				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.926	J	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Method Blank - Batch: 280-342810

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-342810/8	Analysis Batch:	280-342810	Instrument ID:	VMS_H
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	H9290.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 2238	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 2238				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
n-Propylbenzene	0.16	U	0.16	1.0
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	115	70 - 127
Toluene-d8 (Surr)	100	80 - 125
4-Bromofluorobenzene (Surr)	89	78 - 120
Dibromofluoromethane (Surr)	109	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Lab Control Sample - Batch: 280-342810

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 280-342810/6	Analysis Batch:	280-342810	Instrument ID:	VMS_H
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	H9288.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 2151	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 2151				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	5.00	5.64	113	65 - 135	
Bromodichloromethane	5.00	5.68	114	65 - 135	
Carbon tetrachloride	5.00	5.49	110	65 - 135	
Chlorobenzene	5.00	5.21	104	65 - 135	
Chloroform	5.00	5.65	113	65 - 135	
1,3-Dichlorobenzene	5.00	4.87	97	65 - 135	
1,1-Dichloroethane	5.00	5.46	109	65 - 135	
trans-1,2-Dichloroethene	5.00	6.07	121	65 - 135	
1,1-Dichloroethene	5.00	6.12	122	65 - 136	
1,2-Dichloropropane	5.00	5.35	107	64 - 135	
Ethylbenzene	5.00	4.97	99	65 - 135	
Methylene Chloride	5.00	7.25	145	54 - 141	*
Tetrachloroethene	5.00	5.47	109	65 - 135	
Toluene	5.00	5.58	112	65 - 135	
1,1,1-Trichloroethane	5.00	5.67	113	65 - 135	
Trichloroethene	5.00	5.79	116	65 - 135	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	121	70 - 127
Toluene-d8 (Surr)	108	80 - 125
4-Bromofluorobenzene (Surr)	88	78 - 120
Dibromofluoromethane (Surr)	116	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-342810

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-88243-H-2 MS	Analysis Batch:	280-342810	Instrument ID:	VMS_H
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	H9293.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 2354			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 2354				20 mL
Leach Date:	N/A				

MSD Lab Sample ID:	280-88243-H-2 MSD	Analysis Batch:	280-342810	Instrument ID:	VMS_H
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	H9294.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 0018			Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 0018				20 mL
Leach Date:	N/A				

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	117	112	65 - 135	5	20		
Bromodichloromethane	113	106	65 - 135	6	20		
Carbon tetrachloride	110	106	65 - 135	3	21		
Chlorobenzene	102	100	65 - 135	2	20		
Chloroform	114	111	65 - 135	3	20		
1,3-Dichlorobenzene	99	95	65 - 135	4	20		
1,1-Dichloroethane	113	109	65 - 135	4	21		
trans-1,2-Dichloroethene	121	118	65 - 135	3	24		
1,1-Dichloroethene	123	122	65 - 136	1	20		
1,2-Dichloropropane	110	104	64 - 135	5	20		
Ethylbenzene	100	100	65 - 135	0	20		
Methylene Chloride	113	115	54 - 141	2	26		
Tetrachloroethene	106	105	65 - 135	0	20		
Toluene	113	109	65 - 135	4	20		
1,1,1-Trichloroethane	114	111	65 - 135	3	20		
Trichloroethene	119	112	65 - 135	6	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	117	117	70 - 127
Toluene-d8 (Surr)	105	108	80 - 125
4-Bromofluorobenzene (Surr)	91	85	78 - 120
Dibromofluoromethane (Surr)	112	113	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-342810

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-88243-H-2 MS	Units: ug/L	
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	09/19/2016 2354		
Prep Date:	09/19/2016 2354		
Leach Date:	N/A		

MSD Lab Sample ID:	280-88243-H-2 MSD
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	09/20/2016 0018
Prep Date:	09/20/2016 0018
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Benzene	0.16	U	5.00	5.00	5.85	5.59
Bromodichloromethane	0.17	U	5.00	5.00	5.65	5.32
Carbon tetrachloride	0.19	U	5.00	5.00	5.50	5.32
Chlorobenzene	0.17	U	5.00	5.00	5.12	5.01
Chloroform	0.16	U	5.00	5.00	5.71	5.57
1,3-Dichlorobenzene	0.13	U	5.00	5.00	4.97	4.76
1,1-Dichloroethane	0.22	U	5.00	5.00	5.64	5.43
trans-1,2-Dichloroethene	0.15	U	5.00	5.00	6.06	5.88
1,1-Dichloroethene	0.23	U	5.00	5.00	6.15	6.09
1,2-Dichloropropane	0.18	U	5.00	5.00	5.48	5.22
Ethylbenzene	0.16	U	5.00	5.00	5.01	4.99
Methylene Chloride	0.80	J	5.00	5.00	6.46	6.56
Tetrachloroethene	0.20	U	5.00	5.00	5.30	5.27
Toluene	0.17	U	5.00	5.00	5.67	5.44
1,1,1-Trichloroethane	0.16	U	5.00	5.00	5.72	5.56
Trichloroethene	0.16	U	5.00	5.00	5.93	5.59

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Method Blank - Batch: 280-342848

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-342848/10	Analysis Batch:	280-342848	Instrument ID:	VMS_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P2010.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 1030	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 1030				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	1.84		0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Method Blank - Batch: 280-342848

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-342848/10	Analysis Batch:	280-342848	Instrument ID:	VMS_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P2010.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 1030	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 1030				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
n-Propylbenzene	0.16	U	0.16	1.0
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95	70 - 127
Toluene-d8 (Surr)	96	80 - 125
4-Bromofluorobenzene (Surr)	91	78 - 120
Dibromofluoromethane (Surr)	97	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Lab Control Sample - Batch: 280-342848

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 280-342848/6	Analysis Batch:	280-342848	Instrument ID:	VMS_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P2009.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 1011	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 1011				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	5.00	5.61	112	65 - 135	
Bromodichloromethane	5.00	5.70	114	65 - 135	
Carbon tetrachloride	5.00	4.54	91	65 - 135	
Chlorobenzene	5.00	5.54	111	65 - 135	
Chloroform	5.00	5.71	114	65 - 135	
1,3-Dichlorobenzene	5.00	5.55	111	65 - 135	
1,1-Dichloroethane	5.00	5.40	108	65 - 135	
trans-1,2-Dichloroethene	5.00	5.87	117	65 - 135	
1,1-Dichloroethene	5.00	5.91	118	65 - 136	
1,2-Dichloropropane	5.00	5.75	115	64 - 135	
Ethylbenzene	5.00	5.33	107	65 - 135	
Methylene Chloride	5.00	8.79	176	54 - 141	*
Tetrachloroethene	5.00	5.31	106	65 - 135	
Toluene	5.00	5.60	112	65 - 135	
1,1,1-Trichloroethane	5.00	4.85	97	65 - 135	
Trichloroethene	5.00	5.49	110	65 - 135	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108	70 - 127
Toluene-d8 (Surr)	111	80 - 125
4-Bromofluorobenzene (Surr)	101	78 - 120
Dibromofluoromethane (Surr)	111	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-342848

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-88171-D-4 MS	Analysis Batch:	280-342848	Instrument ID:	VMS_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P2022.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 1440			Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 1440				20 mL
Leach Date:	N/A				

MSD Lab Sample ID:	280-88171-D-4 MSD	Analysis Batch:	280-342848	Instrument ID:	VMS_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P2023.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 1459			Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 1459				20 mL
Leach Date:	N/A				

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	99	102	65 - 135	3	20		
Bromodichloromethane	104	103	65 - 135	2	20		
Carbon tetrachloride	70	78	65 - 135	11	21		
Chlorobenzene	92	99	65 - 135	8	20		
Chloroform	103	105	65 - 135	2	20		
1,3-Dichlorobenzene	87	96	65 - 135	10	20		
1,1-Dichloroethane	97	98	65 - 135	2	21		
trans-1,2-Dichloroethene	101	105	65 - 135	4	24		
1,1-Dichloroethene	97	102	65 - 136	4	20		
1,2-Dichloropropane	103	103	64 - 135	0	20		
Ethylbenzene	84	94	65 - 135	11	20		
Methylene Chloride	114	114	54 - 141	1	26		
Tetrachloroethene	80	93	65 - 135	15	20		
Toluene	97	103	65 - 135	6	20		
1,1,1-Trichloroethane	78	84	65 - 135	7	20		
Trichloroethene	93	100	65 - 135	7	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	100	70 - 127
Toluene-d8 (Surr)	96	96	80 - 125
4-Bromofluorobenzene (Surr)	86	86	78 - 120
Dibromofluoromethane (Surr)	101	100	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-342848

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-88171-D-4 MS	Units: ug/L	
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	09/20/2016 1440		
Prep Date:	09/20/2016 1440		
Leach Date:	N/A		

MSD Lab Sample ID:	280-88171-D-4 MSD
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	09/20/2016 1459
Prep Date:	09/20/2016 1459
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Benzene	0.16	U	5.00	5.00	4.94	5.10
Bromodichloromethane	0.17	U	5.00	5.00	5.21	5.13
Carbon tetrachloride	0.19	U	5.00	5.00	3.48	3.88
Chlorobenzene	0.17	U	5.00	5.00	4.60	4.96
Chloroform	0.16	U	5.00	5.00	5.15	5.23
1,3-Dichlorobenzene	0.13	U	5.00	5.00	4.35	4.79
1,1-Dichloroethane	0.22	U	5.00	5.00	4.83	4.91
trans-1,2-Dichloroethene	0.15	U	5.00	5.00	5.07	5.26
1,1-Dichloroethene	0.23	U	5.00	5.00	4.87	5.09
1,2-Dichloropropane	0.18	U	5.00	5.00	5.13	5.14
Ethylbenzene	0.16	U	5.00	5.00	4.19	4.69
Methylene Chloride	0.32	U	5.00	5.00	5.72	5.68
Tetrachloroethene	0.20	U	5.00	5.00	4.02	4.67
Toluene	0.17	U	5.00	5.00	4.86	5.17
1,1,1-Trichloroethane	0.16	U	5.00	5.00	3.89	4.19
Trichloroethene	0.16	U	5.00	5.00	4.63	4.99

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Method Blank - Batch: 280-342867

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-342867/8	Analysis Batch:	280-342867	Instrument ID:	VMS_G2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G2_25041.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 1010	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 1010				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Method Blank - Batch: 280-342867

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-342867/8	Analysis Batch:	280-342867	Instrument ID:	VMS_G2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G2_25041.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 1010	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 1010				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
n-Propylbenzene	0.16	U	0.16	1.0
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93	70 - 127
Toluene-d8 (Surr)	95	80 - 125
4-Bromofluorobenzene (Surr)	92	78 - 120
Dibromofluoromethane (Surr)	97	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Lab Control Sample - Batch: 280-342867

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 280-342867/6	Analysis Batch:	280-342867	Instrument ID:	VMS_G2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G2_25040.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 0951	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 0951				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	5.00	6.09	122	65 - 135	
Bromodichloromethane	5.00	5.43	109	65 - 135	
Carbon tetrachloride	5.00	5.26	105	65 - 135	
Chlorobenzene	5.00	5.13	103	65 - 135	
Chloroform	5.00	5.54	111	65 - 135	
1,3-Dichlorobenzene	5.00	5.06	101	65 - 135	
1,1-Dichloroethane	5.00	5.76	115	65 - 135	
trans-1,2-Dichloroethene	5.00	6.11	122	65 - 135	
1,1-Dichloroethene	5.00	6.04	121	65 - 136	
1,2-Dichloropropane	5.00	6.09	122	64 - 135	
Ethylbenzene	5.00	5.26	105	65 - 135	
Methylene Chloride	5.00	5.62	112	54 - 141	
Tetrachloroethene	5.00	5.11	102	65 - 135	
Toluene	5.00	6.10	122	65 - 135	
1,1,1-Trichloroethane	5.00	5.45	109	65 - 135	
Trichloroethene	5.00	5.79	116	65 - 135	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101	70 - 127
Toluene-d8 (Surr)	102	80 - 125
4-Bromofluorobenzene (Surr)	98	78 - 120
Dibromofluoromethane (Surr)	105	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-342867

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-88076-G-1 MS	Analysis Batch:	280-342867	Instrument ID:	VMS_G2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G2_25052.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 1356			Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 1356				20 mL
Leach Date:	N/A				

MSD Lab Sample ID:	280-88076-G-1 MSD	Analysis Batch:	280-342867	Instrument ID:	VMS_G2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G2_25053.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 1416			Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 1416				20 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	111	114	65 - 135	3	20		
Bromodichloromethane	107	111	65 - 135	4	20		
Carbon tetrachloride	96	100	65 - 135	4	21		
Chlorobenzene	91	96	65 - 135	5	20		
Chloroform	106	110	65 - 135	4	20		
1,3-Dichlorobenzene	88	93	65 - 135	6	20		
1,1-Dichloroethane	108	110	65 - 135	1	21		
trans-1,2-Dichloroethene	111	115	65 - 135	3	24		
1,1-Dichloroethene	110	113	65 - 136	3	20		
1,2-Dichloropropane	114	119	64 - 135	4	20		
Ethylbenzene	90	96	65 - 135	6	20		
Methylene Chloride	120	130	54 - 141	8	26		
Tetrachloroethene	87	91	65 - 135	5	20		
Toluene	108	113	65 - 135	5	20		
1,1,1-Trichloroethane	101	105	65 - 135	4	20		
Trichloroethene	103	106	65 - 135	3	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108	102	70 - 127
Toluene-d8 (Surr)	95	91	80 - 125
4-Bromofluorobenzene (Surr)	93	88	78 - 120
Dibromofluoromethane (Surr)	108	102	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-342867

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-88076-G-1 MS	Units: ug/L	
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	09/20/2016 1356		
Prep Date:	09/20/2016 1356		
Leach Date:	N/A		

MSD Lab Sample ID:	280-88076-G-1 MSD
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	09/20/2016 1416
Prep Date:	09/20/2016 1416
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Benzene	0.16	U	5.00	5.00	5.54	5.71
Bromodichloromethane	0.17	U	5.00	5.00	5.33	5.54
Carbon tetrachloride	0.19	U	5.00	5.00	4.79	5.01
Chlorobenzene	0.17	U	5.00	5.00	4.57	4.82
Chloroform	0.16	U	5.00	5.00	5.31	5.51
1,3-Dichlorobenzene	0.13	U	5.00	5.00	4.39	4.65
1,1-Dichloroethane	0.22	U	5.00	5.00	5.42	5.49
trans-1,2-Dichloroethene	0.15	U	5.00	5.00	5.57	5.73
1,1-Dichloroethene	0.23	U	5.00	5.00	5.51	5.66
1,2-Dichloropropane	0.18	U	5.00	5.00	5.71	5.93
Ethylbenzene	0.16	U	5.00	5.00	4.50	4.78
Methylene Chloride	0.32	U	5.00	5.00	5.98	6.48
Tetrachloroethene	0.20	U	5.00	5.00	4.34	4.57
Toluene	0.17	U	5.00	5.00	5.38	5.67
1,1,1-Trichloroethane	0.16	U	5.00	5.00	5.05	5.23
Trichloroethene	0.16	U	5.00	5.00	5.15	5.30

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Method Blank - Batch: 280-343016

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-343016/6	Analysis Batch:	280-343016	Instrument ID:	VMS_Z
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	Z0911.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 2222	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 2222				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Method Blank - Batch: 280-343016

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-343016/6	Analysis Batch:	280-343016	Instrument ID:	VMS_Z
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	Z0911.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 2222	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 2222				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
n-Propylbenzene	0.16	U	0.16	1.0
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98	70 - 127
Toluene-d8 (Surr)	106	80 - 125
4-Bromofluorobenzene (Surr)	99	78 - 120
Dibromofluoromethane (Surr)	112	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Lab Control Sample - Batch: 280-343016

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 280-343016/4	Analysis Batch:	280-343016	Instrument ID:	VMS_Z
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	Z0909.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 2136	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 2136				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	5.00	4.87	97	65 - 135	
Bromodichloromethane	5.00	4.97	99	65 - 135	
Carbon tetrachloride	5.00	5.19	104	65 - 135	
Chlorobenzene	5.00	4.69	94	65 - 135	
Chloroform	5.00	4.84	97	65 - 135	
1,3-Dichlorobenzene	5.00	4.63	93	65 - 135	
1,1-Dichloroethane	5.00	4.61	92	65 - 135	
trans-1,2-Dichloroethene	5.00	5.01	100	65 - 135	
1,1-Dichloroethene	5.00	5.11	102	65 - 136	
1,2-Dichloropropane	5.00	4.78	96	64 - 135	
Ethylbenzene	5.00	4.57	91	65 - 135	
Methylene Chloride	5.00	4.21	84	54 - 141	
Tetrachloroethene	5.00	4.45	89	65 - 135	
Toluene	5.00	4.95	99	65 - 135	
1,1,1-Trichloroethane	5.00	4.64	93	65 - 135	
Trichloroethene	5.00	5.32	106	65 - 135	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89	70 - 127
Toluene-d8 (Surr)	104	80 - 125
4-Bromofluorobenzene (Surr)	96	78 - 120
Dibromofluoromethane (Surr)	96	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-343016

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-88180-A-4 MS	Analysis Batch:	280-343016	Instrument ID:	VMS_Z
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	Z0915.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/20/2016 2352			Final Weight/Volume:	20 mL
Prep Date:	09/20/2016 2352				20 mL
Leach Date:	N/A				

MSD Lab Sample ID:	280-88180-A-4 MSD	Analysis Batch:	280-343016	Instrument ID:	VMS_Z
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	Z0916.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/21/2016 0015			Final Weight/Volume:	20 mL
Prep Date:	09/21/2016 0015				20 mL
Leach Date:	N/A				

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	107	99	65 - 135	8	20		
Bromodichloromethane	100	94	65 - 135	6	20		
Carbon tetrachloride	110	101	65 - 135	9	21		
Chlorobenzene	97	93	65 - 135	4	20		
Chloroform	106	97	65 - 135	10	20		
1,3-Dichlorobenzene	92	96	65 - 135	4	20		
1,1-Dichloroethane	101	91	65 - 135	11	21		
trans-1,2-Dichloroethene	111	100	65 - 135	11	24		
1,1-Dichloroethene	111	100	65 - 136	10	20		
1,2-Dichloropropane	98	95	64 - 135	3	20		
Ethylbenzene	96	92	65 - 135	5	20		
Methylene Chloride	81	69	54 - 141	16	26		
Tetrachloroethene	95	89	65 - 135	7	20		
Toluene	106	97	65 - 135	9	20		
1,1,1-Trichloroethane	105	94	65 - 135	12	20		
Trichloroethene	119	108	65 - 135	10	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88	86	70 - 127
Toluene-d8 (Surr)	102	103	80 - 125
4-Bromofluorobenzene (Surr)	95	92	78 - 120
Dibromofluoromethane (Surr)	98	97	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-343016

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-88180-A-4 MS	Units: ug/L	
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	09/20/2016 2352		
Prep Date:	09/20/2016 2352		
Leach Date:	N/A		

MSD Lab Sample ID:	280-88180-A-4 MSD
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	09/21/2016 0015
Prep Date:	09/21/2016 0015
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Benzene	0.16	U	5.00	5.00	5.36	4.93
Bromodichloromethane	0.17	U	5.00	5.00	4.99	4.69
Carbon tetrachloride	0.19	U	5.00	5.00	5.50	5.05
Chlorobenzene	0.17	U	5.00	5.00	4.87	4.65
Chloroform	0.16	U	5.00	5.00	5.32	4.83
1,3-Dichlorobenzene	0.13	U	5.00	5.00	4.62	4.79
1,1-Dichloroethane	0.22	U	5.00	5.00	5.06	4.55
trans-1,2-Dichloroethene	0.15	U	5.00	5.00	5.54	4.98
1,1-Dichloroethene	0.23	U	5.00	5.00	5.57	5.02
1,2-Dichloropropane	0.18	U	5.00	5.00	4.89	4.73
Ethylbenzene	0.16	U	5.00	5.00	4.82	4.61
Methylene Chloride	0.32	U	5.00	5.00	4.04	3.43
Tetrachloroethene	0.20	U	5.00	5.00	4.74	4.43
Toluene	0.17	U	5.00	5.00	5.30	4.83
1,1,1-Trichloroethane	0.16	U	5.00	5.00	5.26	4.68
Trichloroethene	0.16	U	5.00	5.00	5.95	5.39

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Method Blank - Batch: 280-343037

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-343037/6	Analysis Batch:	280-343037	Instrument ID:	VMS_G2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G2_2608.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/21/2016 0837	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/21/2016 0837				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Method Blank - Batch: 280-343037

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-343037/6	Analysis Batch:	280-343037	Instrument ID:	VMS_G2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G2_2608.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/21/2016 0837	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/21/2016 0837				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
n-Propylbenzene	0.16	U	0.16	1.0
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108	70 - 127
Toluene-d8 (Surr)	111	80 - 125
4-Bromofluorobenzene (Surr)	106	78 - 120
Dibromofluoromethane (Surr)	113	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Lab Control Sample - Batch: 280-343037

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 280-343037/4	Analysis Batch:	280-343037	Instrument ID:	VMS_G2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G2_2607.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/21/2016 0818	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/21/2016 0818				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	5.00	6.16	123	65 - 135	
Bromodichloromethane	5.00	5.59	112	65 - 135	
Carbon tetrachloride	5.00	5.36	107	65 - 135	
Chlorobenzene	5.00	5.16	103	65 - 135	
Chloroform	5.00	5.61	112	65 - 135	
1,3-Dichlorobenzene	5.00	5.10	102	65 - 135	
1,1-Dichloroethane	5.00	5.80	116	65 - 135	
trans-1,2-Dichloroethene	5.00	6.10	122	65 - 135	
1,1-Dichloroethene	5.00	6.11	122	65 - 136	
1,2-Dichloropropane	5.00	6.23	125	64 - 135	
Ethylbenzene	5.00	5.31	106	65 - 135	
Methylene Chloride	5.00	6.20	124	54 - 141	
Tetrachloroethene	5.00	5.18	104	65 - 135	
Toluene	5.00	6.12	122	65 - 135	
1,1,1-Trichloroethane	5.00	5.51	110	65 - 135	
Trichloroethene	5.00	5.87	117	65 - 135	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	70 - 127
Toluene-d8 (Surr)	101	80 - 125
4-Bromofluorobenzene (Surr)	97	78 - 120
Dibromofluoromethane (Surr)	104	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-343037

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-88160-D-1 MS	Analysis Batch:	280-343037	Instrument ID:	VMS_G2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G2_2614.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/21/2016 1107			Final Weight/Volume:	20 mL
Prep Date:	09/21/2016 1107				20 mL
Leach Date:	N/A				

MSD Lab Sample ID:	280-88160-D-1 MSD	Analysis Batch:	280-343037	Instrument ID:	VMS_G2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G2_2615.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/21/2016 1127			Final Weight/Volume:	20 mL
Prep Date:	09/21/2016 1127				20 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	114	144	65 - 135	24	20		F1 F2
Bromodichloromethane	105	134	65 - 135	25	20		F2
Carbon tetrachloride	99	126	65 - 135	24	21		F2
Chlorobenzene	96	119	65 - 135	22	20		F2
Chloroform	107	136	65 - 135	24	20		F1 F2
1,3-Dichlorobenzene	92	116	65 - 135	22	20		F2
1,1-Dichloroethane	109	139	65 - 135	24	21		F1 F2
trans-1,2-Dichloroethene	114	144	65 - 135	24	24		F1
1,1-Dichloroethene	114	144	65 - 136	23	20		F1 F2
1,2-Dichloropropane	114	146	64 - 135	25	20		F1 F2
Ethylbenzene	96	120	65 - 135	22	20		F2
Methylene Chloride	99	148	54 - 141	39	26		F1 F2
Tetrachloroethene	94	117	65 - 135	22	20		F2
Toluene	113	143	65 - 135	23	20		F1 F2
1,1,1-Trichloroethane	104	131	65 - 135	23	20		F2
Trichloroethene	109	137	65 - 135	22	20		F1 F2

Surrogate	MS % Rec	MSD % Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105	123		70 - 127
Toluene-d8 (Surr)	101	120		80 - 125
4-Bromofluorobenzene (Surr)	96	113		78 - 120
Dibromofluoromethane (Surr)	109	131	X	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-343037

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-88160-D-1 MS	Units: ug/L	
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	09/21/2016 1107		
Prep Date:	09/21/2016 1107		
Leach Date:	N/A		

MSD Lab Sample ID:	280-88160-D-1 MSD
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	09/21/2016 1127
Prep Date:	09/21/2016 1127
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
Benzene	0.16	U	5.00	5.00	5.68	7.22	F1 F2
Bromodichloromethane	0.17	U	5.00	5.00	5.23	6.72	F2
Carbon tetrachloride	0.19	U	5.00	5.00	4.94	6.28	F2
Chlorobenzene	0.17	U	5.00	5.00	4.79	5.97	F2
Chloroform	0.16	U	5.00	5.00	5.36	6.82	F1 F2
1,3-Dichlorobenzene	0.13	U	5.00	5.00	4.61	5.78	F2
1,1-Dichloroethane	0.22	U	5.00	5.00	5.46	6.94	F1 F2
trans-1,2-Dichloroethene	0.15	U	5.00	5.00	5.68	7.22	F1
1,1-Dichloroethene	0.23	U	5.00	5.00	5.70	7.20	F1 F2
1,2-Dichloropropane	0.18	U	5.00	5.00	5.72	7.32	F1 F2
Ethylbenzene	0.16	U	5.00	5.00	4.82	6.00	F2
Methylene Chloride	0.32	U	5.00	5.00	4.96	7.39	F1 F2
Tetrachloroethene	0.20	U	5.00	5.00	4.69	5.83	F2
Toluene	0.17	U	5.00	5.00	5.67	7.15	F1 F2
1,1,1-Trichloroethane	0.16	U	5.00	5.00	5.21	6.56	F2
Trichloroethene	0.16	U	5.00	5.00	5.47	6.84	F1 F2

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Method Blank - Batch: 280-343048

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-343048/10	Analysis Batch:	280-343048	Instrument ID:	VMS_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P2039.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/21/2016 0933	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/21/2016 0933				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	1.43		0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Method Blank - Batch: 280-343048

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-343048/10	Analysis Batch:	280-343048	Instrument ID:	VMS_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P2039.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/21/2016 0933	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/21/2016 0933				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
n-Propylbenzene	0.16	U	0.16	1.0
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99	70 - 127
Toluene-d8 (Surr)	101	80 - 125
4-Bromofluorobenzene (Surr)	92	78 - 120
Dibromofluoromethane (Surr)	99	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Lab Control Sample - Batch: 280-343048

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 280-343048/6	Analysis Batch:	280-343048	Instrument ID:	VMS_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P2038.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/21/2016 0914	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/21/2016 0914				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	5.00	4.88	98	65 - 135	
Bromodichloromethane	5.00	5.02	100	65 - 135	
Carbon tetrachloride	5.00	3.94	79	65 - 135	
Chlorobenzene	5.00	4.85	97	65 - 135	
Chloroform	5.00	5.05	101	65 - 135	
1,3-Dichlorobenzene	5.00	4.81	96	65 - 135	
1,1-Dichloroethane	5.00	4.76	95	65 - 135	
trans-1,2-Dichloroethene	5.00	4.98	100	65 - 135	
1,1-Dichloroethene	5.00	4.95	99	65 - 136	
1,2-Dichloropropane	5.00	5.00	100	64 - 135	
Ethylbenzene	5.00	4.61	92	65 - 135	
Methylene Chloride	5.00	6.91	138	54 - 141	
Tetrachloroethene	5.00	4.53	91	65 - 135	
Toluene	5.00	5.00	100	65 - 135	
1,1,1-Trichloroethane	5.00	4.26	85	65 - 135	
Trichloroethene	5.00	4.81	96	65 - 135	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95	70 - 127
Toluene-d8 (Surr)	97	80 - 125
4-Bromofluorobenzene (Surr)	88	78 - 120
Dibromofluoromethane (Surr)	101	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-343048

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-88193-I-1 MS	Analysis Batch:	280-343048	Instrument ID:	VMS_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P2047.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/21/2016 1207			Final Weight/Volume:	20 mL
Prep Date:	09/21/2016 1207				20 mL
Leach Date:	N/A				

MSD Lab Sample ID:	280-88193-I-1 MSD	Analysis Batch:	280-343048	Instrument ID:	VMS_P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P2048.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/21/2016 1229			Final Weight/Volume:	20 mL
Prep Date:	09/21/2016 1229				20 mL
Leach Date:	N/A				

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	101	116	65 - 135	14	20		
Bromodichloromethane	103	114	65 - 135	10	20		
Carbon tetrachloride	74	102	65 - 135	32	21		F2
Chlorobenzene	96	107	65 - 135	11	20		
Chloroform	104	115	65 - 135	11	20		
1,3-Dichlorobenzene	88	104	65 - 135	16	20		
1,1-Dichloroethane	98	111	65 - 135	13	21		
trans-1,2-Dichloroethene	100	118	65 - 135	17	24		
1,1-Dichloroethene	95	123	65 - 136	26	20		F2
1,2-Dichloropropane	105	116	64 - 135	10	20		
Ethylbenzene	87	105	65 - 135	19	20		
Methylene Chloride	107	124	54 - 141	13	26		
Tetrachloroethene	88	111	65 - 135	19	20		
Toluene	97	115	65 - 135	17	20		
1,1,1-Trichloroethane	81	107	65 - 135	28	20		F2
Trichloroethene	97	122	65 - 135	19	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98	110	70 - 127
Toluene-d8 (Surr)	97	107	80 - 125
4-Bromofluorobenzene (Surr)	88	99	78 - 120
Dibromofluoromethane (Surr)	101	113	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-343048

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-88193-I-1 MS	Units: ug/L	
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	09/21/2016 1207		
Prep Date:	09/21/2016 1207		
Leach Date:	N/A		

MSD Lab Sample ID:	280-88193-I-1 MSD
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	09/21/2016 1229
Prep Date:	09/21/2016 1229
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
Benzene	0.16	U	5.00	5.00	5.03	5.79	
Bromodichloromethane	0.17	U	5.00	5.00	5.16	5.71	
Carbon tetrachloride	0.19	U	5.00	5.00	3.68	5.09	F2
Chlorobenzene	0.17	U	5.00	5.00	4.81	5.36	
Chloroform	0.16	U	5.00	5.00	5.18	5.76	
1,3-Dichlorobenzene	0.13	U	5.00	5.00	4.42	5.19	
1,1-Dichloroethane	0.22	U	5.00	5.00	4.90	5.57	
trans-1,2-Dichloroethene	0.15	U	5.00	5.00	4.98	5.90	
1,1-Dichloroethene	0.23	U	5.00	5.00	4.73	6.16	F2
1,2-Dichloropropane	0.18	U	5.00	5.00	5.24	5.78	
Ethylbenzene	0.16	U	5.00	5.00	4.37	5.27	
Methylene Chloride	0.72	J	5.00	5.00	6.05	6.92	
Tetrachloroethene	1.1		5.00	5.00	5.49	6.68	
Toluene	0.17	U	5.00	5.00	4.85	5.75	
1,1,1-Trichloroethane	0.16	U	5.00	5.00	4.04	5.36	F2
Trichloroethene	0.89	J	5.00	5.00	5.75	6.97	

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Method Blank - Batch: 280-343232

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-343232/6	Analysis Batch:	280-343232	Instrument ID:	VMS_G2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G2_2637.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/22/2016 1112	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/22/2016 1112				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Method Blank - Batch: 280-343232

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-343232/6	Analysis Batch:	280-343232	Instrument ID:	VMS_G2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G2_2637.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/22/2016 1112	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/22/2016 1112				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
n-Propylbenzene	0.16	U	0.16	1.0
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	% Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	118		70 - 127
Toluene-d8 (Surr)	114		80 - 125
4-Bromofluorobenzene (Surr)	107		78 - 120
Dibromofluoromethane (Surr)	123	X	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Lab Control Sample - Batch: 280-343232

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 280-343232/4	Analysis Batch:	280-343232	Instrument ID:	VMS_G2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G2_2636.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/22/2016 1023	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/22/2016 1023				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	5.00	5.56	111	65 - 135	
Bromodichloromethane	5.00	5.26	105	65 - 135	
Carbon tetrachloride	5.00	5.33	107	65 - 135	
Chlorobenzene	5.00	4.74	95	65 - 135	
Chloroform	5.00	5.36	107	65 - 135	
1,3-Dichlorobenzene	5.00	4.57	91	65 - 135	
1,1-Dichloroethane	5.00	5.37	107	65 - 135	
trans-1,2-Dichloroethene	5.00	5.68	114	65 - 135	
1,1-Dichloroethene	5.00	5.64	113	65 - 136	
1,2-Dichloropropane	5.00	5.52	110	64 - 135	
Ethylbenzene	5.00	4.78	96	65 - 135	
Methylene Chloride	5.00	3.82	76	54 - 141	
Tetrachloroethene	5.00	4.77	95	65 - 135	
Toluene	5.00	5.52	110	65 - 135	
1,1,1-Trichloroethane	5.00	5.35	107	65 - 135	
Trichloroethene	5.00	5.52	110	65 - 135	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105	70 - 127
Toluene-d8 (Surr)	98	80 - 125
4-Bromofluorobenzene (Surr)	92	78 - 120
Dibromofluoromethane (Surr)	105	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-343232

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-88160-F-4 MS	Analysis Batch:	280-343232	Instrument ID:	VMS_G2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G2_2641.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/22/2016 1231			Final Weight/Volume:	20 mL
Prep Date:	09/22/2016 1231				20 mL
Leach Date:	N/A				

MSD Lab Sample ID:	280-88160-F-4 MSD	Analysis Batch:	280-343232	Instrument ID:	VMS_G2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G2_2642.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/22/2016 1251			Final Weight/Volume:	20 mL
Prep Date:	09/22/2016 1251				20 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	112	119	65 - 135	6	20		
Bromodichloromethane	106	114	65 - 135	8	20		
Carbon tetrachloride	106	113	65 - 135	6	21		
Chlorobenzene	95	100	65 - 135	6	20		
Chloroform	108	117	65 - 135	7	20		
1,3-Dichlorobenzene	92	98	65 - 135	6	20		
1,1-Dichloroethane	110	118	65 - 135	6	21		
trans-1,2-Dichloroethene	113	122	65 - 135	8	24		
1,1-Dichloroethene	110	119	65 - 136	7	20		
1,2-Dichloropropane	110	118	64 - 135	7	20		
Ethylbenzene	95	101	65 - 135	6	20		
Methylene Chloride	76	88	54 - 141	14	26		
Tetrachloroethene	93	100	65 - 135	7	20		
Toluene	113	119	65 - 135	5	20		
1,1,1-Trichloroethane	109	115	65 - 135	6	20		
Trichloroethene	109	115	65 - 135	5	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	114	114	70 - 127
Toluene-d8 (Surr)	106	105	80 - 125
4-Bromofluorobenzene (Surr)	101	100	78 - 120
Dibromofluoromethane (Surr)	116	115	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-343232

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-88160-F-4 MS	Units: ug/L	MSD Lab Sample ID: 280-88160-F-4 MSD
Client Matrix:	Water		Client Matrix: Water
Dilution:	1.0		Dilution: 1.0
Analysis Date:	09/22/2016 1231		Analysis Date: 09/22/2016 1251
Prep Date:	09/22/2016 1231		Prep Date: 09/22/2016 1251
Leach Date:	N/A		Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Benzene	0.16	U	5.00	5.00	5.60	5.96
Bromodichloromethane	0.17	U	5.00	5.00	5.29	5.72
Carbon tetrachloride	0.19	U	5.00	5.00	5.31	5.64
Chlorobenzene	0.17	U	5.00	5.00	4.73	5.01
Chloroform	0.16	U	5.00	5.00	5.42	5.84
1,3-Dichlorobenzene	0.13	U	5.00	5.00	4.61	4.92
1,1-Dichloroethane	0.22	U	5.00	5.00	5.51	5.88
trans-1,2-Dichloroethene	0.15	U	5.00	5.00	5.64	6.09
1,1-Dichloroethene	0.23	U	5.00	5.00	5.52	5.95
1,2-Dichloropropane	0.18	U	5.00	5.00	5.52	5.92
Ethylbenzene	0.16	U	5.00	5.00	4.77	5.06
Methylene Chloride	0.32	U	5.00	5.00	3.82	4.39
Tetrachloroethene	0.20	U	5.00	5.00	4.67	5.01
Toluene	0.17	U	5.00	5.00	5.64	5.96
1,1,1-Trichloroethane	0.16	U	5.00	5.00	5.44	5.77
Trichloroethene	0.16	U	5.00	5.00	5.46	5.75

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Method Blank - Batch: 280-342016

Method: 8260B SIM
Preparation: 5030B

Lab Sample ID:	MB 280-342016/5	Analysis Batch:	280-342016	Instrument ID:	VMS_E
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E4782.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/14/2016 0855	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/14/2016 0855				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,4-Dioxane	0.22	U	0.22	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	70 - 127

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-342016

Method: 8260B SIM
Preparation: 5030B

LCS Lab Sample ID:	LCS 280-342016/3	Analysis Batch:	280-342016	Instrument ID:	VMS_E
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E4780.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/14/2016 0818	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/14/2016 0818				20 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-342016/4	Analysis Batch:	280-342016	Instrument ID:	VMS_E
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E4781.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/14/2016 0837	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/14/2016 0837				20 mL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,4-Dioxane	76	84	25 - 141	9	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	97	70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-342016

Method: 8260B SIM
Preparation: 5030B

LCS Lab Sample ID:	LCS 280-342016/3	Units: ug/L	LCSD Lab Sample ID:	LCSD 280-342016/4	
Client Matrix:	Water		Client Matrix:	Water	
Dilution:	1.0		Dilution:	1.0	
Analysis Date:	09/14/2016 0818		Analysis Date:	09/14/2016 0837	
Prep Date:	09/14/2016 0818		Prep Date:	09/14/2016 0837	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,4-Dioxane	5.00	5.00	3.81	4.18

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-342016

Method: 8260B SIM
Preparation: 5030B

MS Lab Sample ID:	280-88072-1	Analysis Batch:	280-342016	Instrument ID:	VMS_E
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E4786.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/14/2016 1017			Final Weight/Volume:	20 mL
Prep Date:	09/14/2016 1017				20 mL
Leach Date:	N/A				

MSD Lab Sample ID:	280-88072-1	Analysis Batch:	280-342016	Instrument ID:	VMS_E
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E4787.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/14/2016 1035			Final Weight/Volume:	20 mL
Prep Date:	09/14/2016 1035				20 mL
Leach Date:	N/A				

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,4-Dioxane	68	62	25 - 141	6	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106	98	70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-342016

Method: 8260B SIM
Preparation: 5030B

MS Lab Sample ID:	280-88072-1	Units: ug/L	MSD Lab Sample ID:	280-88072-1	
Client Matrix:	Water		Client Matrix:	Water	
Dilution:	1.0		Dilution:	1.0	
Analysis Date:	09/14/2016 1017		Analysis Date:	09/14/2016 1035	
Prep Date:	09/14/2016 1017		Prep Date:	09/14/2016 1035	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,4-Dioxane	1.8	5.00	5.00	5.18	4.90

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Method Blank - Batch: 280-342611

Method: 8260B SIM
Preparation: 5030B

Lab Sample ID:	MB 280-342611/5	Analysis Batch:	280-342611	Instrument ID:	VMS_E
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E4813.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/18/2016 0905	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/18/2016 0905				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,4-Dioxane	0.22	U	0.22	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110	70 - 127

Lab Control Sample - Batch: 280-342611

Method: 8260B SIM
Preparation: 5030B

Lab Sample ID:	LCS 280-342611/3	Analysis Batch:	280-342611	Instrument ID:	VMS_E
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E4812.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/18/2016 0846	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/18/2016 0846				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,4-Dioxane	5.00	5.20	104	25 - 141	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104	70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-342611

Method: 8260B SIM
Preparation: 5030B

MS Lab Sample ID:	280-88072-21	Analysis Batch:	280-342611	Instrument ID:	VMS_E
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E4817.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/18/2016 1020			Final Weight/Volume:	20 mL
Prep Date:	09/18/2016 1020				20 mL
Leach Date:	N/A				

MSD Lab Sample ID:	280-88072-21	Analysis Batch:	280-342611	Instrument ID:	VMS_E
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E4818.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/18/2016 1038			Final Weight/Volume:	20 mL
Prep Date:	09/18/2016 1038				20 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,4-Dioxane	104	94	25 - 141	9	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91	101	70 - 127

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-342611

Method: 8260B SIM
Preparation: 5030B

MS Lab Sample ID:	280-88072-21	Units:	ug/L	MSD Lab Sample ID:	280-88072-21
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/18/2016 1020			Analysis Date:	09/18/2016 1038
Prep Date:	09/18/2016 1020			Prep Date:	09/18/2016 1038
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,4-Dioxane	0.99	J	5.00	5.00	6.21	5.67

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Method Blank - Batch: 280-342632

Method: 8260B SIM
Preparation: 5030B

Lab Sample ID:	MB 280-342632/5	Analysis Batch:	280-342632	Instrument ID:	VMS_E
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E4845.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 0729	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 0729				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,4-Dioxane	0.374	J	0.22	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109	70 - 127

Lab Control Sample - Batch: 280-342632

Method: 8260B SIM
Preparation: 5030B

Lab Sample ID:	LCS 280-342632/3	Analysis Batch:	280-342632	Instrument ID:	VMS_E
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E4844.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 0711	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 0711				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,4-Dioxane	5.00	4.13	83	25 - 141	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106	70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-342632

Method: 8260B SIM
Preparation: 5030B

MS Lab Sample ID:	280-88072-41	Analysis Batch:	280-342632	Instrument ID:	VMS_E
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E4850.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 0902			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 0902				20 mL
Leach Date:	N/A				

MSD Lab Sample ID:	280-88072-41	Analysis Batch:	280-342632	Instrument ID:	VMS_E
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E4851.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/19/2016 0921			Final Weight/Volume:	20 mL
Prep Date:	09/19/2016 0921				20 mL
Leach Date:	N/A				

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,4-Dioxane	94	115	25 - 141	20	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	108	70 - 127

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-342632

Method: 8260B SIM
Preparation: 5030B

MS Lab Sample ID:	280-88072-41	Units: ug/L	MSD Lab Sample ID: 280-88072-41
Client Matrix:	Water		Client Matrix: Water
Dilution:	1.0		Dilution: 1.0
Analysis Date:	09/19/2016 0902		Analysis Date: 09/19/2016 0921
Prep Date:	09/19/2016 0902		Prep Date: 09/19/2016 0921
Leach Date:	N/A		Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,4-Dioxane	0.22	U	5.00	5.00	4.70	5.74

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:280-342016					
LCS 280-342016/3	Lab Control Sample	T	Water	8260B SIM	
LCSD 280-342016/4	Lab Control Sample Duplicate	T	Water	8260B SIM	
MB 280-342016/5	Method Blank	T	Water	8260B SIM	
280-88072-1	PIN12-0524	T	Water	8260B SIM	
280-88072-1MS	Matrix Spike	T	Water	8260B SIM	
280-88072-1MSD	Matrix Spike Duplicate	T	Water	8260B SIM	
280-88072-2	PIN12-0525	T	Water	8260B SIM	
280-88072-3	PIN12-0539	T	Water	8260B SIM	
280-88072-4	PIN12-0540	T	Water	8260B SIM	
280-88072-5	PIN12-0554A	T	Water	8260B SIM	
280-88072-6	PIN12-0554B	T	Water	8260B SIM	
280-88072-7	PIN12-0554C	T	Water	8260B SIM	
280-88072-8	PIN12-0555A	T	Water	8260B SIM	
280-88072-9	PIN12-0555B	T	Water	8260B SIM	
280-88072-10	PIN12-0555C	T	Water	8260B SIM	
280-88072-11	PIN12-0561-1	T	Water	8260B SIM	
280-88072-12	PIN12-0561-2	T	Water	8260B SIM	
280-88072-13	PIN12-0561-3	T	Water	8260B SIM	
280-88072-14	PIN12-0568-1	T	Water	8260B SIM	
280-88072-15	PIN12-0568-2	T	Water	8260B SIM	
280-88072-16	PIN12-0568-3	T	Water	8260B SIM	
280-88072-17	PIN12-0569-1	T	Water	8260B SIM	
280-88072-18	PIN12-0569-2	T	Water	8260B SIM	
280-88072-19	PIN12-0569-3	T	Water	8260B SIM	
280-88072-20	PIN12-0570-1	T	Water	8260B SIM	

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:280-342466					
LCS 280-342466/4	Lab Control Sample	T	Water	8260B	
MB 280-342466/6	Method Blank	T	Water	8260B	
280-88072-1	PIN12-0524	T	Water	8260B	
280-88072-2	PIN12-0525	T	Water	8260B	
280-88072-3	PIN12-0539	T	Water	8260B	
280-88072-4	PIN12-0540	T	Water	8260B	
280-88072-5	PIN12-0554A	T	Water	8260B	
280-88072-6	PIN12-0554B	T	Water	8260B	
280-88072-7	PIN12-0554C	T	Water	8260B	
280-88072-8	PIN12-0555A	T	Water	8260B	
280-88072-9	PIN12-0555B	T	Water	8260B	
280-88072-10	PIN12-0555C	T	Water	8260B	
280-88072-11	PIN12-0561-1	T	Water	8260B	
280-88072-11MS	Matrix Spike	T	Water	8260B	
280-88072-11MSD	Matrix Spike Duplicate	T	Water	8260B	
280-88072-12	PIN12-0561-2	T	Water	8260B	
280-88072-13	PIN12-0561-3	T	Water	8260B	
280-88072-14	PIN12-0568-1	T	Water	8260B	
280-88072-15	PIN12-0568-2	T	Water	8260B	
280-88072-16	PIN12-0568-3	T	Water	8260B	
280-88072-17	PIN12-0569-1	T	Water	8260B	
280-88072-18	PIN12-0569-2	T	Water	8260B	
280-88072-19	PIN12-0569-3	T	Water	8260B	
280-88072-20	PIN12-0570-1	T	Water	8260B	

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:280-342611					
LCS 280-342611/3	Lab Control Sample	T	Water	8260B SIM	
MB 280-342611/5	Method Blank	T	Water	8260B SIM	
280-88072-21	PIN12-0570-2	T	Water	8260B SIM	
280-88072-21MS	Matrix Spike	T	Water	8260B SIM	
280-88072-21MSD	Matrix Spike Duplicate	T	Water	8260B SIM	
280-88072-22	PIN12-0570-3	T	Water	8260B SIM	
280-88072-23	PIN12-0573-1	T	Water	8260B SIM	
280-88072-24	PIN12-0573-2	T	Water	8260B SIM	
280-88072-25	PIN12-0573-3	T	Water	8260B SIM	
280-88072-26	PIN12-0577-1	T	Water	8260B SIM	
280-88072-27	PIN12-0577-2	T	Water	8260B SIM	
280-88072-28	PIN12-0577-3	T	Water	8260B SIM	
280-88072-29	PIN12-0578-1	T	Water	8260B SIM	
280-88072-30	PIN12-0578-2	T	Water	8260B SIM	
280-88072-31	PIN12-0578-3	T	Water	8260B SIM	
280-88072-32	PIN12-0579-1	T	Water	8260B SIM	
280-88072-33	PIN12-0579-2	T	Water	8260B SIM	
280-88072-34	PIN12-0579-3	T	Water	8260B SIM	
280-88072-35	PIN12-0581-1	T	Water	8260B SIM	
280-88072-36	PIN12-0581-2	T	Water	8260B SIM	
280-88072-37	PIN12-0581-3	T	Water	8260B SIM	
280-88072-38	PIN12-0582-1	T	Water	8260B SIM	
280-88072-39	PIN12-0582-2	T	Water	8260B SIM	
280-88072-40	PIN12-0582-3	T	Water	8260B SIM	

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:280-342632					
LCS 280-342632/3	Lab Control Sample	T	Water	8260B SIM	
MB 280-342632/5	Method Blank	T	Water	8260B SIM	
280-88072-41	PIN12-0583-1	T	Water	8260B SIM	
280-88072-41MS	Matrix Spike	T	Water	8260B SIM	
280-88072-41MSD	Matrix Spike Duplicate	T	Water	8260B SIM	
280-88072-42	PIN12-0583-2	T	Water	8260B SIM	
280-88072-43	PIN12-0583-3	T	Water	8260B SIM	
280-88072-44	PIN12-0584-1	T	Water	8260B SIM	
280-88072-45	PIN12-0584-2	T	Water	8260B SIM	
280-88072-46	PIN12-0584-3	T	Water	8260B SIM	
280-88072-47	PIN12-0585-1	T	Water	8260B SIM	
280-88072-48	PIN12-0585-2	T	Water	8260B SIM	
280-88072-49	PIN12-0585-3	T	Water	8260B SIM	
280-88072-51	PIN12-2450	T	Water	8260B SIM	
280-88072-52	PIN12-2453	T	Water	8260B SIM	
280-88072-53	PIN12-2454	T	Water	8260B SIM	
280-88072-54	PIN12-2690	T	Water	8260B SIM	
280-88072-55	PIN12-S69B	T	Water	8260B SIM	
280-88072-56	PIN12-S73B	T	Water	8260B SIM	
280-88072-57	PIN12-S73C	T	Water	8260B SIM	
280-88072-58	PIN12-S73D	T	Water	8260B SIM	
Analysis Batch:280-342633					
LCS 280-342633/4	Lab Control Sample	T	Water	8260B	
MB 280-342633/6	Method Blank	T	Water	8260B	
280-87980-B-1 MS	Matrix Spike	T	Water	8260B	
280-87980-B-1 MSD	Matrix Spike Duplicate	T	Water	8260B	
280-88072-32	PIN12-0579-1	T	Water	8260B	
280-88072-33	PIN12-0579-2	T	Water	8260B	
280-88072-34	PIN12-0579-3	T	Water	8260B	
280-88072-35	PIN12-0581-1	T	Water	8260B	
280-88072-36	PIN12-0581-2	T	Water	8260B	
280-88072-37	PIN12-0581-3	T	Water	8260B	
280-88072-38	PIN12-0582-1	T	Water	8260B	
280-88072-40	PIN12-0582-3	T	Water	8260B	
280-88072-41	PIN12-0583-1	T	Water	8260B	
280-88072-42	PIN12-0583-2	T	Water	8260B	

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:280-342652					
LCS 280-342652/6	Lab Control Sample	T	Water	8260B	
MB 280-342652/8	Method Blank	T	Water	8260B	
280-88072-23	PIN12-0573-1	T	Water	8260B	
280-88072-24	PIN12-0573-2	T	Water	8260B	
280-88072-26	PIN12-0577-1	T	Water	8260B	
280-88072-28	PIN12-0577-3	T	Water	8260B	
280-88072-39	PIN12-0582-2	T	Water	8260B	
280-88072-50	PIN12-2198	T	Water	8260B	
280-88072-50MS	Matrix Spike	T	Water	8260B	
280-88072-50MSD	Matrix Spike Duplicate	T	Water	8260B	
280-88072-55	PIN12-S69B	T	Water	8260B	
Analysis Batch:280-342810					
LCS 280-342810/6	Lab Control Sample	T	Water	8260B	
MB 280-342810/8	Method Blank	T	Water	8260B	
280-88072-21	PIN12-0570-2	T	Water	8260B	
280-88072-22	PIN12-0570-3	T	Water	8260B	
280-88072-44	PIN12-0584-1	T	Water	8260B	
280-88072-45	PIN12-0584-2	T	Water	8260B	
280-88072-45DL	PIN12-0584-2	T	Water	8260B	
280-88072-46	PIN12-0584-3	T	Water	8260B	
280-88243-H-2 MS	Matrix Spike	T	Water	8260B	
280-88243-H-2 MSD	Matrix Spike Duplicate	T	Water	8260B	
Analysis Batch:280-342848					
LCS 280-342848/6	Lab Control Sample	T	Water	8260B	
MB 280-342848/10	Method Blank	T	Water	8260B	
280-88072-25	PIN12-0573-3	T	Water	8260B	
280-88072-27	PIN12-0577-2	T	Water	8260B	
280-88072-29	PIN12-0578-1	T	Water	8260B	
280-88072-30	PIN12-0578-2	T	Water	8260B	
280-88072-31	PIN12-0578-3	T	Water	8260B	
280-88072-39DL	PIN12-0582-2	T	Water	8260B	
280-88072-43	PIN12-0583-3	T	Water	8260B	
280-88072-51	PIN12-2450	T	Water	8260B	
280-88072-52DL	PIN12-2453	T	Water	8260B	
280-88072-54	PIN12-2690	T	Water	8260B	
280-88072-56	PIN12-S73B	T	Water	8260B	
280-88072-57	PIN12-S73C	T	Water	8260B	
280-88072-58	PIN12-S73D	T	Water	8260B	
280-88171-D-4 MS	Matrix Spike	T	Water	8260B	
280-88171-D-4 MSD	Matrix Spike Duplicate	T	Water	8260B	

Client: Navarro Research and Engineering, Inc

Job Number: 280-88072-1
Sdg Number: 16087996

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:280-342867					
LCS 280-342867/6	Lab Control Sample	T	Water	8260B	
MB 280-342867/8	Method Blank	T	Water	8260B	
280-88072-47	PIN12-0585-1	T	Water	8260B	
280-88072-48DL	PIN12-0585-2	T	Water	8260B	
280-88072-49	PIN12-0585-3	T	Water	8260B	
280-88076-G-1 MS	Matrix Spike	T	Water	8260B	
280-88076-G-1 MSD	Matrix Spike Duplicate	T	Water	8260B	
Analysis Batch:280-343016					
LCS 280-343016/4	Lab Control Sample	T	Water	8260B	
MB 280-343016/6	Method Blank	T	Water	8260B	
280-88072-46DL	PIN12-0584-3	T	Water	8260B	
280-88180-A-4 MS	Matrix Spike	T	Water	8260B	
280-88180-A-4 MSD	Matrix Spike Duplicate	T	Water	8260B	
Analysis Batch:280-343037					
LCS 280-343037/4	Lab Control Sample	T	Water	8260B	
MB 280-343037/6	Method Blank	T	Water	8260B	
280-88072-53DL	PIN12-2454	T	Water	8260B	
280-88160-D-1 MS	Matrix Spike	T	Water	8260B	
280-88160-D-1 MSD	Matrix Spike Duplicate	T	Water	8260B	
Analysis Batch:280-343048					
LCS 280-343048/6	Lab Control Sample	T	Water	8260B	
MB 280-343048/10	Method Blank	T	Water	8260B	
280-88072-52	PIN12-2453	T	Water	8260B	
280-88193-I-1 MS	Matrix Spike	T	Water	8260B	
280-88193-I-1 MSD	Matrix Spike Duplicate	T	Water	8260B	
Analysis Batch:280-343232					
LCS 280-343232/4	Lab Control Sample	T	Water	8260B	
MB 280-343232/6	Method Blank	T	Water	8260B	
280-88072-48	PIN12-0585-2	T	Water	8260B	
280-88072-53	PIN12-2454	T	Water	8260B	
280-88160-F-4 MS	Matrix Spike	T	Water	8260B	
280-88160-F-4 MSD	Matrix Spike Duplicate	T	Water	8260B	

Report Basis
T = Total

ANALYTICAL REPORT

Job Number: 280-88346-1

SDG Number: 16087996

Job Description: PINELLAS MONITORING

For:
Navarro Research and Engineering, Inc
2597 Legacy Way
Grand Junction, CO 81503

Attention: Mr. Steve Donivan

Approved for release.
DiLea R Bindel
Project Manager I
9/30/2016 6:21 PM

DiLea R Bindel, Project Manager I
4955 Yarrow Street, Arvada, CO, 80002
(303)736-0173
dilea.bindel@testamericainc.com
09/30/2016

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is 4025.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

Pages have been deleted from this laboratory report file to reduce file size. The deleted pages contain raw data and instrument calibrations. If the full laboratory report is needed, contact Scott.Surovchak@lm.doe.gov

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CASE NARRATIVE

Client: Navarro Research and Engineering, Inc

Project: PINELLAS MONITORING - 16087996

Report Number: 280-88346-1

With exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. All laboratory quality control samples analyzed in conjunction with the samples in this project were within established control limits, with any exceptions noted. Calculations are performed before rounding to avoid round-off errors in calculated results.

This report includes reporting limits (RLs) less than TestAmerica Denver's practical quantitation limits. These reporting limits are being used specifically at the client's request to meet the needs of this project. Please note that data are not normally reported to these levels without qualification, since they are inherently less reliable and potentially less defensible than required by the current NELAC standards.

Results between the method detection limit (MDL) and reporting limit (RL) are flagged with a "J" qualifier to indicate an estimated value. These results are statistically less reliable than results greater than or equal to the RL and should be considered a qualitative value.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 9/16/2016 9:35 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 0.4º C and 1.8º C.

Sample PIN12-2689 (OJS 952) was received with illegible sample date/time on the container. This sample was logged per the Chain-Of-Custody (COC).

One of four vials for each of the following samples was received broken: PIN12-2451 (OJS 943), PIN12-0588-2 (OJS 882). Sufficient volume is available for the requested analysis. Client was notified on 9/21/16

One of four vials for each of the following samples was received with headspace: PIN12-0565-3 (OJS 858) and PIN12-0574-1 (OJS 902). Sufficient sample volume was received to perform the requested analyses. However, analytical results may be potentially biased low if re-analysis is requested or required due to headspace.

One of three vials for sample PIN12-2689 (OJS 952) was received with headspace greater than 6mm in diameter. Sufficient sample volume was received to perform the requested analyses. However, analytical results may be potentially biased low if re-analysis is requested or required due to headspace. Client was notified on 9/21/2016.

One of three HCl preserved VOA vials for sample PIN12-2689 (OJS 952) was received with headspace greater than 6mm in diameter. Sufficient sample volume was received to perform the requested analysis. However, analytical results may be potentially biased low if re-analysis is requested or required due to headspace. The laboratory will proceed with all analysis unless instructed otherwise. Client was notified on 9/21/16.

One of two coolers received did not have custody seals intact, but the shipping tape was intact. The contents of the cooler were compromised. The laboratory will proceed with all analysis unless instructed otherwise. Client was notified on 9/21/16.

GC/MS VOLATILES - SW846 8260B

In some cases, due to high concentrations of target analytes, samples had to be analyzed using reduced aliquot sizes. The reporting limits have been elevated accordingly. To provide the lowest possible detection limits, multiple runs are reported.

1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene were detected in method blank MB 280-343871/6 at levels that were above the method detection limit but below one half the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Methylene Chloride, a common laboratory contaminant, was detected in method blank MB 280-343450/6 at a level that was above the method detection limit but below one half the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Methylene Chloride, a common laboratory contaminant, was detected in method blank MB 280-343580/6 at a level that was above the method detection limit but below one half the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Acetone and Methylene Chloride, common laboratory contaminants, were detected in method blank MB 280-343668/6 at levels that were

above the method detection limit but below one half the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Methylene Chloride, a common laboratory contaminant, Naphthalene and 1,2,3-Trichlorobenzene were detected in method blank MB 280-344067/6 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

The laboratory control sample (LCS) associated with analytical batch 280-343580 recovered outside control limits for the following analytes: dichlorodifluoromethane (164%, limits 43-142%). This analyte is not a compound of interest. Therefore, data was not affected. No further action was required.

The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 280-344067 recovered outside control limits for isopropylbenzene. This analyte is not a compound of interest. Therefore, data was not affected. No further action was required.

The initial calibration verification (ICV) result for batch 280-343450 was above the upper control limit for dichlorodifluoromethane (65.2%, limit 55%). As no detectable concentrations of this analyte are present in the associated samples, corrective action is deemed unnecessary.

The following compound was outside control limits in the continuing calibration verification (CCV) associated with batch 280-343580: Dichlorodifluoromethane (57.6%, limit 50%). This compound is not classified as Calibration Check Compounds (CCCs) in the reference method, and the laboratory defaults to in-house and/or project-specific criteria for evaluation.

Trichloroethene failed the recovery criteria high for the MS/MSD associated with batch 280-344067. In addition, concentrations were present above the instrument calibration range for Trichloroethene.

Several analytes exceeded the RPD limit for the MSD of sample PIN12-S68B (280-88346-37) in batch 280-343871.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS VOLATILES - SW846 8260B SIM - 1,4-Dioxane

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DATA REPORTING QUALIFIERS

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	U	Indicates the analyte was analyzed for but not detected.
	*	LCS or LCSD is outside acceptance limits.
	F1	MS and/or MSD Recovery is outside acceptance limits.
	4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
	F2	MS/MSD RPD exceeds control limits
	E	Result exceeded calibration range.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	*	RPD of the LCS and LCSD exceeds the control limits

SAMPLE SUMMARY

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-88346-1	PIN12-0541	Water	09/14/2016 1315	09/16/2016 0935
280-88346-1MS	PIN12-0541	Water	09/14/2016 1315	09/16/2016 0935
280-88346-1MSD	PIN12-0541	Water	09/14/2016 1315	09/16/2016 0935
280-88346-2	PIN12-0542	Water	09/14/2016 1340	09/16/2016 0935
280-88346-3	PIN12-0549	Water	09/14/2016 1430	09/16/2016 0935
280-88346-4	PIN12-0551-2	Water	09/13/2016 0915	09/16/2016 0935
280-88346-5	PIN12-0565-1	Water	09/12/2016 1040	09/16/2016 0935
280-88346-6	PIN12-0565-2	Water	09/12/2016 1100	09/16/2016 0935
280-88346-7	PIN12-0565-3	Water	09/12/2016 1130	09/16/2016 0935
280-88346-8	PIN12-0572-1	Water	09/12/2016 1420	09/16/2016 0935
280-88346-9	PIN12-0572-2	Water	09/12/2016 1445	09/16/2016 0935
280-88346-10	PIN12-0574-1	Water	09/12/2016 0920	09/16/2016 0935
280-88346-11	PIN12-0574-2	Water	09/12/2016 0945	09/16/2016 0935
280-88346-12	PIN12-0574-3	Water	09/12/2016 1010	09/16/2016 0935
280-88346-13	PIN12-0575-1	Water	09/12/2016 0830	09/16/2016 0935
280-88346-14	PIN12-0575-2	Water	09/12/2016 0855	09/16/2016 0935
280-88346-15	PIN12-0576-1	Water	09/13/2016 1000	09/16/2016 0935
280-88346-16	PIN12-0576-2	Water	09/13/2016 1030	09/16/2016 0935
280-88346-17	PIN12-0576-3	Water	09/13/2016 1115	09/16/2016 0935
280-88346-18	PIN12-0580-1	Water	09/12/2016 1530	09/16/2016 0935
280-88346-19	PIN12-0580-2	Water	09/12/2016 1610	09/16/2016 0935
280-88346-20	PIN12-0580-3	Water	09/12/2016 1640	09/16/2016 0935
280-88346-21	PIN12-0586-1	Water	09/13/2016 1345	09/16/2016 0935
280-88346-22	PIN12-0586-2	Water	09/13/2016 1415	09/16/2016 0935
280-88346-23	PIN12-0586-3	Water	09/13/2016 1440	09/16/2016 0935
280-88346-24	PIN12-0587-1	Water	09/13/2016 1525	09/16/2016 0935
280-88346-25	PIN12-0587-2	Water	09/13/2016 1605	09/16/2016 0935
280-88346-26	PIN12-0587-3	Water	09/13/2016 1550	09/16/2016 0935
280-88346-27	PIN12-0588-1	Water	09/13/2016 1325	09/16/2016 0935
280-88346-28	PIN12-0588-2	Water	09/13/2016 1405	09/16/2016 0935
280-88346-29	PIN12-0588-3	Water	09/13/2016 1450	09/16/2016 0935
280-88346-30	PIN12-2199	Water	09/12/2016 0800	09/16/2016 0935
280-88346-30MS	PIN12-2199	Water	09/12/2016 0800	09/16/2016 0935
280-88346-30MSD	PIN12-2199	Water	09/12/2016 0800	09/16/2016 0935
280-88346-31	PIN12-2451	Water	09/12/2016 1400	09/16/2016 0935
280-88346-32	PIN12-2452	Water	09/13/2016 1200	09/16/2016 0935
280-88346-33	PIN12-2689	Water	09/12/2016 0800	09/16/2016 0935
280-88346-34	PIN12-S30B	Water	09/14/2016 1005	09/16/2016 0935
280-88346-35	PIN12-S33C	Water	09/13/2016 1030	09/16/2016 0935
280-88346-36	PIN12-S35B	Water	09/13/2016 0915	09/16/2016 0935
280-88346-37	PIN12-S68B	Water	09/14/2016 0910	09/16/2016 0935
280-88346-38	PIN12-S68C	Water	09/14/2016 0935	09/16/2016 0935
280-88346-39	PIN12-S68D	Water	09/14/2016 1045	09/16/2016 0935
280-88346-40	PIN12-S69C	Water	09/14/2016 1240	09/16/2016 0935
280-88346-41	PIN12-S69D	Water	09/12/2016 1720	09/16/2016 0935
280-88346-42	PIN12-S70B	Water	09/14/2016 1425	09/16/2016 0935
280-88346-43	PIN12-S70C	Water	09/14/2016 1515	09/16/2016 0935
280-88346-44	PIN12-S70D	Water	09/14/2016 1545	09/16/2016 0935
280-88346-45	PIN12-S71B	Water	09/14/2016 1245	09/16/2016 0935
280-88346-46	PIN12-S71C	Water	09/14/2016 1340	09/16/2016 0935
280-88346-47	PIN12-S71D	Water	09/12/2016 1745	09/16/2016 0935

EXECUTIVE SUMMARY - Detections

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-88346-1	**PIN12-0541**					
Acetone		4.5	J B	10	ug/L	8260B
cis-1,2-Dichloroethene		0.41	J	1.0	ug/L	8260B
1,4-Dioxane		1.8		1.0	ug/L	8260B SIM
280-88346-2	**PIN12-0542**					
Acetone		3.7	J B	10	ug/L	8260B
1,1-Dichloroethane		0.34	J	1.0	ug/L	8260B
cis-1,2-Dichloroethene		0.60	J	1.0	ug/L	8260B
1,4-Dioxane		2.3		1.0	ug/L	8260B SIM
280-88346-3	**PIN12-0549**					
Acetone		3.4	J B	10	ug/L	8260B
1,1-Dichloroethane		0.35	J	1.0	ug/L	8260B
cis-1,2-Dichloroethene		0.31	J	1.0	ug/L	8260B
1,4-Dioxane		2.5		1.0	ug/L	8260B SIM
280-88346-4	**PIN12-0551-2**					
Acetone		4.6	J B	10	ug/L	8260B
Chloromethane		0.38	J	1.0	ug/L	8260B
Vinyl chloride		1.7		1.0	ug/L	8260B
1,4-Dioxane		1.8		1.0	ug/L	8260B SIM
280-88346-5	**PIN12-0565-1**					
Methylene Chloride		0.35	J B	1.0	ug/L	8260B
280-88346-6	**PIN12-0565-2**					
Acetone		2.3	J	10	ug/L	8260B
cis-1,2-Dichloroethene		0.27	J	1.0	ug/L	8260B
Methylene Chloride		0.35	J B	1.0	ug/L	8260B
280-88346-7	**PIN12-0565-3**					
Acetone		2.5	J	10	ug/L	8260B
cis-1,2-Dichloroethene		0.55	J	1.0	ug/L	8260B
trans-1,2-Dichloroethene		0.17	J	1.0	ug/L	8260B
Methylene Chloride		0.37	J B	1.0	ug/L	8260B

EXECUTIVE SUMMARY - Detections

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-88346-8	**PIN12-0572-1**					
Acetone		3.1	J	10	ug/L	8260B
Methylene Chloride		0.36	J B	1.0	ug/L	8260B
280-88346-9	**PIN12-0572-2**					
Methylene Chloride		0.58	J B	1.0	ug/L	8260B
Toluene		0.17	J	1.0	ug/L	8260B
Vinyl chloride		1.4		1.0	ug/L	8260B
1,4-Dioxane		2.1		1.0	ug/L	8260B SIM
280-88346-10	**PIN12-0574-1**					
Acetone		2.6	J	10	ug/L	8260B
cis-1,2-Dichloroethene		88		4.0	ug/L	8260B
trans-1,2-Dichloroethene		0.80	J	1.0	ug/L	8260B
1,1-Dichloroethene		4.6		1.0	ug/L	8260B
Methylene Chloride		0.37	J B	1.0	ug/L	8260B
Vinyl chloride		31		1.0	ug/L	8260B
1,4-Dioxane		1.7		1.0	ug/L	8260B SIM
280-88346-11	**PIN12-0574-2**					
Acetone		2.7	J	10	ug/L	8260B
1,1-Dichloroethane		0.27	J	1.0	ug/L	8260B
cis-1,2-Dichloroethene		250		10	ug/L	8260B
trans-1,2-Dichloroethene		2.5		1.0	ug/L	8260B
1,1-Dichloroethene		13		1.0	ug/L	8260B
Methylene Chloride		0.38	J B	1.0	ug/L	8260B
Vinyl chloride		50		1.0	ug/L	8260B
1,4-Dioxane		2.0		1.0	ug/L	8260B SIM
280-88346-12	**PIN12-0574-3**					
Acetone		3.5	J	10	ug/L	8260B
cis-1,2-Dichloroethene		0.24	J	1.0	ug/L	8260B
Methylene Chloride		0.40	J B	1.0	ug/L	8260B
Vinyl chloride		2.8		1.0	ug/L	8260B
280-88346-13	**PIN12-0575-1**					
Acetone		2.3	J	10	ug/L	8260B
Chloromethane		0.43	J	1.0	ug/L	8260B
Methylene Chloride		0.38	J B	1.0	ug/L	8260B
1,4-Dioxane		1.8		1.0	ug/L	8260B SIM

EXECUTIVE SUMMARY - Detections

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-88346-14	**PIN12-0575-2**					
Acetone		2.7	J	10	ug/L	8260B
cis-1,2-Dichloroethene		0.16	J	1.0	ug/L	8260B
Methylene Chloride		0.44	J B	1.0	ug/L	8260B
Vinyl chloride		1.8		1.0	ug/L	8260B
1,4-Dioxane		0.91	J	1.0	ug/L	8260B SIM
280-88346-15	**PIN12-0576-1**					
Acetone		3.5	J B	10	ug/L	8260B
Chloroethane		0.67	J	1.0	ug/L	8260B
1,1-Dichloroethane		0.97	J	1.0	ug/L	8260B
cis-1,2-Dichloroethene		0.17	J	1.0	ug/L	8260B
Toluene		0.37	J	1.0	ug/L	8260B
1,4-Dioxane		23		4.0	ug/L	8260B SIM
280-88346-16	**PIN12-0576-2**					
Acetone		3.6	J B	10	ug/L	8260B
Chloromethane		0.46	J	1.0	ug/L	8260B
1,1-Dichloroethane		15		1.0	ug/L	8260B
cis-1,2-Dichloroethene		7.9		1.0	ug/L	8260B
trans-1,2-Dichloroethene		0.43	J	1.0	ug/L	8260B
1,1-Dichloroethene		1.6		1.0	ug/L	8260B
Vinyl chloride		16		1.0	ug/L	8260B
1,4-Dioxane		41		5.0	ug/L	8260B SIM
280-88346-17	**PIN12-0576-3**					
Acetone		4.2	J B	10	ug/L	8260B
Chloromethane		0.47	J	1.0	ug/L	8260B
1,1-Dichloroethane		0.65	J	1.0	ug/L	8260B
cis-1,2-Dichloroethene		0.26	J	1.0	ug/L	8260B
Vinyl chloride		1.3		1.0	ug/L	8260B
1,4-Dioxane		1.6		1.0	ug/L	8260B SIM
280-88346-18	**PIN12-0580-1**					
Methylene Chloride		0.43	J B	1.0	ug/L	8260B

EXECUTIVE SUMMARY - Detections

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-88346-19	**PIN12-0580-2**					
Acetone		2.0	J	10	ug/L	8260B
1,1-Dichloroethane		3.6		1.0	ug/L	8260B
cis-1,2-Dichloroethene		12		1.0	ug/L	8260B
trans-1,2-Dichloroethene		6.3		1.0	ug/L	8260B
Methylene Chloride		0.43	J B	1.0	ug/L	8260B
Vinyl chloride		190		10	ug/L	8260B
1,4-Dioxane		210		40	ug/L	8260B SIM
280-88346-20	**PIN12-0580-3**					
Acetone		3.2	J	10	ug/L	8260B
1,1-Dichloroethane		3.3		1.0	ug/L	8260B
cis-1,2-Dichloroethene		17		1.0	ug/L	8260B
trans-1,2-Dichloroethene		3.6		1.0	ug/L	8260B
1,1-Dichloroethene		0.23	J	1.0	ug/L	8260B
Methylene Chloride		0.43	J B	1.0	ug/L	8260B
Vinyl chloride		46		1.0	ug/L	8260B
1,4-Dioxane		39		5.0	ug/L	8260B SIM
280-88346-21	**PIN12-0586-1**					
Acetone		3.8	J B	10	ug/L	8260B
cis-1,2-Dichloroethene		1.2		1.0	ug/L	8260B
Vinyl chloride		2.8		1.0	ug/L	8260B
1,4-Dioxane		0.52	J	1.0	ug/L	8260B SIM
280-88346-22	**PIN12-0586-2**					
Acetone		4.4	J B	10	ug/L	8260B
1,1-Dichloroethane		0.28	J	1.0	ug/L	8260B
cis-1,2-Dichloroethene		18		1.0	ug/L	8260B
trans-1,2-Dichloroethene		0.21	J	1.0	ug/L	8260B
1,1-Dichloroethene		0.65	J	1.0	ug/L	8260B
Vinyl chloride		14		1.0	ug/L	8260B
1,4-Dioxane		1.1		1.0	ug/L	8260B SIM
280-88346-23	**PIN12-0586-3**					
Acetone		4.6	J B	10	ug/L	8260B
Chloromethane		0.49	J	1.0	ug/L	8260B
cis-1,2-Dichloroethene		0.20	J	1.0	ug/L	8260B
Vinyl chloride		1.9		1.0	ug/L	8260B
1,4-Dioxane		0.61	J	1.0	ug/L	8260B SIM

EXECUTIVE SUMMARY - Detections

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-88346-24	**PIN12-0587-1**					
Acetone		4.4	J B	10	ug/L	8260B
cis-1,2-Dichloroethene		0.17	J	1.0	ug/L	8260B
Toluene		0.19	J	1.0	ug/L	8260B
1,4-Dioxane		0.43	J	1.0	ug/L	8260B SIM
280-88346-25	**PIN12-0587-2**					
Acetone		12	B	10	ug/L	8260B
Benzene		0.79	J	1.0	ug/L	8260B
2-Butanone (MEK)		5.8		5.0	ug/L	8260B
Chloroethane		0.63	J	1.0	ug/L	8260B
Chloromethane		0.57	J	1.0	ug/L	8260B
1,1-Dichloroethane		0.57	J	1.0	ug/L	8260B
cis-1,2-Dichloroethene		15		1.0	ug/L	8260B
trans-1,2-Dichloroethene		7.8		1.0	ug/L	8260B
1,1-Dichloroethene		0.86	J	1.0	ug/L	8260B
Toluene		1.2		1.0	ug/L	8260B
Trichloroethene		0.75	J	1.0	ug/L	8260B
Vinyl chloride		17		1.0	ug/L	8260B
1,4-Dioxane		13	J	20	ug/L	8260B SIM
280-88346-26	**PIN12-0587-3**					
Benzene		0.22	J	1.0	ug/L	8260B
1,1-Dichloroethane		0.29	J	1.0	ug/L	8260B
Toluene		0.38	J	1.0	ug/L	8260B
1,4-Dioxane		2.7		1.0	ug/L	8260B SIM
280-88346-27	**PIN12-0588-1**					
Acetone		4.5	J B	10	ug/L	8260B
cis-1,2-Dichloroethene		0.25	J	1.0	ug/L	8260B
Vinyl chloride		1.2		1.0	ug/L	8260B
1,4-Dioxane		0.47	J	1.0	ug/L	8260B SIM
280-88346-28	**PIN12-0588-2**					
Acetone		5.2	J	10	ug/L	8260B
Benzene		0.26	J	1.0	ug/L	8260B
1,1-Dichloroethane		0.77	J	1.0	ug/L	8260B
cis-1,2-Dichloroethene		18		1.0	ug/L	8260B
trans-1,2-Dichloroethene		0.19	J	1.0	ug/L	8260B
Vinyl chloride		19		1.0	ug/L	8260B
1,4-Dioxane		2.8		1.0	ug/L	8260B SIM

EXECUTIVE SUMMARY - Detections

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-88346-29	**PIN12-0588-3**					
Acetone		4.8	J B	10	ug/L	8260B
cis-1,2-Dichloroethene		0.23	J	1.0	ug/L	8260B
Vinyl chloride		1.5		1.0	ug/L	8260B
1,4-Dioxane		0.88	J	1.0	ug/L	8260B SIM
280-88346-30	**PIN12-2199**					
Methylene Chloride		0.38	J B	1.0	ug/L	8260B
280-88346-31	**PIN12-2451**					
Methylene Chloride		0.64	J B	1.0	ug/L	8260B
Toluene		0.18	J	1.0	ug/L	8260B
Vinyl chloride		1.4		1.0	ug/L	8260B
1,4-Dioxane		1.9		1.0	ug/L	8260B SIM
280-88346-32	**PIN12-2452**					
Acetone		3.4	J B	10	ug/L	8260B
Chloromethane		0.45	J	1.0	ug/L	8260B
1,1-Dichloroethane		15		1.0	ug/L	8260B
cis-1,2-Dichloroethene		8.3		1.0	ug/L	8260B
trans-1,2-Dichloroethene		0.45	J	1.0	ug/L	8260B
1,1-Dichloroethene		1.7		1.0	ug/L	8260B
Vinyl chloride		17		1.0	ug/L	8260B
1,4-Dioxane		41		4.0	ug/L	8260B SIM
280-88346-33	**PIN12-2689**					
Acetone		2.0	J	10	ug/L	8260B
Methylene Chloride		0.52	J B	1.0	ug/L	8260B
280-88346-34	**PIN12-S30B**					
Acetone		4.2	J B	10	ug/L	8260B
Dichlorodifluoromethane		0.50	J	1.0	ug/L	8260B
1,1-Dichloroethane		0.46	J	1.0	ug/L	8260B
cis-1,2-Dichloroethene		46		1.0	ug/L	8260B
trans-1,2-Dichloroethene		6.4		1.0	ug/L	8260B
1,1-Dichloroethene		0.63	J	1.0	ug/L	8260B
Trichloroethene		11		1.0	ug/L	8260B
Vinyl chloride		26		1.0	ug/L	8260B

EXECUTIVE SUMMARY - Detections

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-88346-35	**PIN12-S33C**					
Acetone		1.9	J	10	ug/L	8260B
Chloromethane		0.80	J	1.0	ug/L	8260B
cis-1,2-Dichloroethene		130		10	ug/L	8260B
trans-1,2-Dichloroethene		11		1.0	ug/L	8260B
1,1-Dichloroethene		4.8		1.0	ug/L	8260B
Methylene Chloride		0.33	J B	1.0	ug/L	8260B
Trichloroethene		24		1.0	ug/L	8260B
Vinyl chloride		38		1.0	ug/L	8260B
280-88346-36	**PIN12-S35B**					
cis-1,2-Dichloroethene		48000		4000	ug/L	8260B
trans-1,2-Dichloroethene		4100		400	ug/L	8260B
1,1-Dichloroethene		660		400	ug/L	8260B
Methylene Chloride		160	J B	400	ug/L	8260B
Trichloroethene		37000		4000	ug/L	8260B
Vinyl chloride		11000		400	ug/L	8260B
1,4-Dioxane		190	J	400	ug/L	8260B SIM
280-88346-38	**PIN12-S68C**					
Acetone		3.9	J B	10	ug/L	8260B
Chloromethane		0.48	J	1.0	ug/L	8260B
1,1-Dichloroethane		1.7		1.0	ug/L	8260B
cis-1,2-Dichloroethene		14		1.0	ug/L	8260B
trans-1,2-Dichloroethene		0.23	J	1.0	ug/L	8260B
Vinyl chloride		9.7		1.0	ug/L	8260B
1,4-Dioxane		5.1		1.0	ug/L	8260B SIM
280-88346-39	**PIN12-S68D**					
Benzene		0.39	J	1.0	ug/L	8260B
1,1-Dichloroethane		0.69	J	1.0	ug/L	8260B
cis-1,2-Dichloroethene		50		1.0	ug/L	8260B
trans-1,2-Dichloroethene		0.85	J	1.0	ug/L	8260B
Naphthalene		0.30	J	1.0	ug/L	8260B
1,2,3-Trichlorobenzene		0.25	J B	1.0	ug/L	8260B
Vinyl chloride		31		1.0	ug/L	8260B
1,4-Dioxane		1.9		1.0	ug/L	8260B SIM

EXECUTIVE SUMMARY - Detections

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-88346-40	**PIN12-S69C**					
Acetone		5.6	J B	10	ug/L	8260B
cis-1,2-Dichloroethene		0.59	J	1.0	ug/L	8260B
trans-1,2-Dichloroethene		0.18	J	1.0	ug/L	8260B
Vinyl chloride		0.48	J	1.0	ug/L	8260B
1,4-Dioxane		1.7		1.0	ug/L	8260B SIM
280-88346-41	**PIN12-S69D**					
Acetone		2.7	J	10	ug/L	8260B
cis-1,2-Dichloroethene		0.41	J	1.0	ug/L	8260B
Methylene Chloride		0.42	J B	1.0	ug/L	8260B
Vinyl chloride		0.39	J	1.0	ug/L	8260B
1,4-Dioxane		2.5		1.0	ug/L	8260B SIM
280-88346-42	**PIN12-S70B**					
Acetone		6.2	J B	10	ug/L	8260B
cis-1,2-Dichloroethene		12		1.0	ug/L	8260B
trans-1,2-Dichloroethene		0.49	J	1.0	ug/L	8260B
Vinyl chloride		3.7		1.0	ug/L	8260B
1,4-Dioxane		0.59	J	1.0	ug/L	8260B SIM
280-88346-43	**PIN12-S70C**					
Acetone		4.2	J B	10	ug/L	8260B
Chloromethane		0.56	J	1.0	ug/L	8260B
1,1-Dichloroethane		3.6		1.0	ug/L	8260B
cis-1,2-Dichloroethene		6.2		1.0	ug/L	8260B
trans-1,2-Dichloroethene		1.8		1.0	ug/L	8260B
Vinyl chloride		5.3		1.0	ug/L	8260B
1,4-Dioxane		18		1.0	ug/L	8260B SIM
280-88346-44	**PIN12-S70D**					
1,1-Dichloroethane		8.5		1.0	ug/L	8260B
cis-1,2-Dichloroethene		18		1.0	ug/L	8260B
trans-1,2-Dichloroethene		7.5		1.0	ug/L	8260B
1,1-Dichloroethene		0.65	J	1.0	ug/L	8260B
Vinyl chloride		14		1.0	ug/L	8260B
1,4-Dioxane		19		1.0	ug/L	8260B SIM

EXECUTIVE SUMMARY - Detections

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-88346-46	**PIN12-S71C**					
Acetone		5.0	J	10	ug/L	8260B
1,1-Dichloroethane		5.0		1.0	ug/L	8260B
cis-1,2-Dichloroethene		21		1.0	ug/L	8260B
trans-1,2-Dichloroethene		15		1.0	ug/L	8260B
1,1-Dichloroethene		0.34	J	1.0	ug/L	8260B
Vinyl chloride		51		4.0	ug/L	8260B
1,4-Dioxane		41		5.0	ug/L	8260B SIM
280-88346-47	**PIN12-S71D**					
Acetone		4.1	J	10	ug/L	8260B
1,1-Dichloroethane		1.7		1.0	ug/L	8260B
cis-1,2-Dichloroethene		15		1.0	ug/L	8260B
trans-1,2-Dichloroethene		7.9		1.0	ug/L	8260B
Methylene Chloride		0.46	J B	1.0	ug/L	8260B
Vinyl chloride		42		1.0	ug/L	8260B
1,4-Dioxane		16		1.0	ug/L	8260B SIM

METHOD SUMMARY

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL DEN	SW846 8260B	
Purge and Trap	TAL DEN		SW846 5030B
Volatile Organic Compounds (GC/MS-SIM)	TAL DEN	SW846 8260B SIM	
Purge and Trap	TAL DEN		SW846 5030B

Lab References:

TAL DEN = TestAmerica Denver

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Method	Analyst	Analyst ID
SW846 8260B	Dobransky, Michael E	MD
SW846 8260B	Ilczyszyn, Dennis P	DPI
SW846 8260B	Seifert, Judy L	JLS
SW846 8260B SIM	Moan, Matthew R	MRM

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0541**

Lab Sample ID: 280-88346-1
Client Matrix: Water

Date Sampled: 09/14/2016 1315
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS9_9221.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 0749			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 0749				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	4.5	J B	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.41	J	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0541**

Lab Sample ID: 280-88346-1
Client Matrix: Water

Date Sampled: 09/14/2016 1315
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS9_9221.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 0749			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 0749				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		70 - 127
Toluene-d8 (Surr)	97		80 - 125
4-Bromofluorobenzene (Surr)	93		78 - 120
Dibromofluoromethane (Surr)	104		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0542**

Lab Sample ID: 280-88346-2
Client Matrix: Water

Date Sampled: 09/14/2016 1340
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS9_9222.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 0810			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 0810				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	3.7	J B	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U F1	0.31	1.0
1,1-Dichloroethane	0.34	J	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.60	J	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: PIN12-0542

Lab Sample ID: 280-88346-2
Client Matrix: Water

Date Sampled: 09/14/2016 1340
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS9_9222.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 0810			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 0810				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U F1	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		70 - 127
Toluene-d8 (Surr)	103		80 - 125
4-Bromofluorobenzene (Surr)	97		78 - 120
Dibromofluoromethane (Surr)	108		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0549**

Lab Sample ID: 280-88346-3
Client Matrix: Water

Date Sampled: 09/14/2016 1430
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS9_9231.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 1120			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 1120				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	3.4	J B	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.35	J	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.31	J	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0549**

Lab Sample ID: 280-88346-3
Client Matrix: Water

Date Sampled: 09/14/2016 1430
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS9_9231.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 1120			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 1120				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		70 - 127
Toluene-d8 (Surr)	92		80 - 125
4-Bromofluorobenzene (Surr)	88		78 - 120
Dibromofluoromethane (Surr)	102		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0551-2**

Lab Sample ID: 280-88346-4
Client Matrix: Water

Date Sampled: 09/13/2016 0915
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS9_9232.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 1141			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 1141				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	4.6	J B	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.38	J	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0551-2**

Lab Sample ID: 280-88346-4
Client Matrix: Water

Date Sampled: 09/13/2016 0915
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS9_9232.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 1141			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 1141				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	1.7		0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	121		70 - 127
Toluene-d8 (Surr)	101		80 - 125
4-Bromofluorobenzene (Surr)	100		78 - 120
Dibromofluoromethane (Surr)	115		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0565-1**

Lab Sample ID: 280-88346-5
Client Matrix: Water

Date Sampled: 09/12/2016 1040
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343450	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5077.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/23/2016 1116			Final Weight/Volume:	20 mL
Prep Date:	09/23/2016 1116				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.35	J B	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0565-1**

Lab Sample ID: 280-88346-5
Client Matrix: Water

Date Sampled: 09/12/2016 1040
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343450	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5077.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/23/2016 1116			Final Weight/Volume:	20 mL
Prep Date:	09/23/2016 1116				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88		70 - 127
Toluene-d8 (Surr)	104		80 - 125
4-Bromofluorobenzene (Surr)	93		78 - 120
Dibromofluoromethane (Surr)	93		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0565-2**

Lab Sample ID: 280-88346-6
Client Matrix: Water

Date Sampled: 09/12/2016 1100
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343450	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5078.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/23/2016 1137			Final Weight/Volume:	20 mL
Prep Date:	09/23/2016 1137				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	2.3	J	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.27	J	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.35	J B	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0565-2**

Lab Sample ID: 280-88346-6
Client Matrix: Water

Date Sampled: 09/12/2016 1100
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343450	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5078.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/23/2016 1137			Final Weight/Volume:	20 mL
Prep Date:	09/23/2016 1137				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		70 - 127
Toluene-d8 (Surr)	103		80 - 125
4-Bromofluorobenzene (Surr)	93		78 - 120
Dibromofluoromethane (Surr)	97		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0565-3**

Lab Sample ID: 280-88346-7
Client Matrix: Water

Date Sampled: 09/12/2016 1130
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343450	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5079.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/23/2016 1157			Final Weight/Volume:	20 mL
Prep Date:	09/23/2016 1157				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	2.5	J	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.55	J	0.15	1.0
trans-1,2-Dichloroethene	0.17	J	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.37	J B	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0565-3**

Lab Sample ID: 280-88346-7
Client Matrix: Water

Date Sampled: 09/12/2016 1130
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343450	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5079.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/23/2016 1157			Final Weight/Volume:	20 mL
Prep Date:	09/23/2016 1157				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		70 - 127
Toluene-d8 (Surr)	103		80 - 125
4-Bromofluorobenzene (Surr)	92		78 - 120
Dibromofluoromethane (Surr)	98		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0572-1**

Lab Sample ID: 280-88346-8
Client Matrix: Water

Date Sampled: 09/12/2016 1420
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343450	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5081.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/23/2016 1239			Final Weight/Volume:	20 mL
Prep Date:	09/23/2016 1239				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	3.1	J	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.36	J B	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0572-1**

Lab Sample ID: 280-88346-8
Client Matrix: Water

Date Sampled: 09/12/2016 1420
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343450	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5081.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/23/2016 1239			Final Weight/Volume:	20 mL
Prep Date:	09/23/2016 1239				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		70 - 127
Toluene-d8 (Surr)	101		80 - 125
4-Bromofluorobenzene (Surr)	90		78 - 120
Dibromofluoromethane (Surr)	97		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0572-2**

Lab Sample ID: 280-88346-9
Client Matrix: Water

Date Sampled: 09/12/2016 1445
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343450	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5082.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/23/2016 1259			Final Weight/Volume:	20 mL
Prep Date:	09/23/2016 1259				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.58	J B	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0572-2**

Lab Sample ID: 280-88346-9
Client Matrix: Water

Date Sampled: 09/12/2016 1445
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343450	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5082.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/23/2016 1259			Final Weight/Volume:	20 mL
Prep Date:	09/23/2016 1259				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	J	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	1.4		0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		70 - 127
Toluene-d8 (Surr)	99		80 - 125
4-Bromofluorobenzene (Surr)	92		78 - 120
Dibromofluoromethane (Surr)	101		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0574-1**

Lab Sample ID: 280-88346-10
Client Matrix: Water

Date Sampled: 09/12/2016 0920
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343450	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5083.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/23/2016 1320			Final Weight/Volume:	20 mL
Prep Date:	09/23/2016 1320				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	2.6	J	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
trans-1,2-Dichloroethene	0.80	J	0.15	1.0
1,1-Dichloroethene	4.6		0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.37	J B	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0
Styrene	0.17	U	0.17	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: PIN12-0574-1

Lab Sample ID: 280-88346-10
Client Matrix: Water

Date Sampled: 09/12/2016 0920
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343450	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5083.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/23/2016 1320			Final Weight/Volume:	20 mL
Prep Date:	09/23/2016 1320				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	31		0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		70 - 127
Toluene-d8 (Surr)	100		80 - 125
4-Bromofluorobenzene (Surr)	92		78 - 120
Dibromofluoromethane (Surr)	101		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: PIN12-0574-1

Lab Sample ID: 280-88346-10
Client Matrix: Water

Date Sampled: 09/12/2016 0920
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343580	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5113.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/24/2016 0952	Run Type:	DL	Final Weight/Volume:	20 mL
Prep Date:	09/24/2016 0952				

Analyte	Result (ug/L)	Qualifier	MDL	RL
cis-1,2-Dichloroethene	88		0.60	4.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		70 - 127
Toluene-d8 (Surr)	101		80 - 125
4-Bromofluorobenzene (Surr)	92		78 - 120
Dibromofluoromethane (Surr)	95		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0574-2**

Lab Sample ID: 280-88346-11
Client Matrix: Water

Date Sampled: 09/12/2016 0945
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343450	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5085.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/23/2016 1401			Final Weight/Volume:	20 mL
Prep Date:	09/23/2016 1401				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	2.7	J	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.27	J	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
trans-1,2-Dichloroethene	2.5		0.15	1.0
1,1-Dichloroethene	13		0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.38	J B	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0
Styrene	0.17	U	0.17	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: PIN12-0574-2

Lab Sample ID: 280-88346-11
Client Matrix: Water

Date Sampled: 09/12/2016 0945
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343450	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5085.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/23/2016 1401			Final Weight/Volume:	20 mL
Prep Date:	09/23/2016 1401				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	50		0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		70 - 127
Toluene-d8 (Surr)	98		80 - 125
4-Bromofluorobenzene (Surr)	88		78 - 120
Dibromofluoromethane (Surr)	100		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0574-2**

Lab Sample ID: 280-88346-11
Client Matrix: Water

Date Sampled: 09/12/2016 0945
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343580	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5114.D
Dilution:	1.0			Initial Weight/Volume:	2 mL
Analysis Date:	09/24/2016 1012	Run Type:	DL	Final Weight/Volume:	20 mL
Prep Date:	09/24/2016 1012				

Analyte	Result (ug/L)	Qualifier	MDL	RL
cis-1,2-Dichloroethene	250		1.5	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		70 - 127
Toluene-d8 (Surr)	101		80 - 125
4-Bromofluorobenzene (Surr)	92		78 - 120
Dibromofluoromethane (Surr)	101		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0574-3**

Lab Sample ID: 280-88346-12
Client Matrix: Water

Date Sampled: 09/12/2016 1010
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343450	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5087.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/23/2016 1443			Final Weight/Volume:	20 mL
Prep Date:	09/23/2016 1443				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	3.5	J	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.24	J	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.40	J B	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0574-3**

Lab Sample ID: 280-88346-12
Client Matrix: Water

Date Sampled: 09/12/2016 1010
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343450	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5087.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/23/2016 1443			Final Weight/Volume:	20 mL
Prep Date:	09/23/2016 1443				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	2.8		0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106		70 - 127
Toluene-d8 (Surr)	98		80 - 125
4-Bromofluorobenzene (Surr)	90		78 - 120
Dibromofluoromethane (Surr)	101		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0575-1**

Lab Sample ID: 280-88346-13
Client Matrix: Water

Date Sampled: 09/12/2016 0830
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343450	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5088.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/23/2016 1503			Final Weight/Volume:	20 mL
Prep Date:	09/23/2016 1503				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	2.3	J	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.43	J	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.38	J B	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0575-1**

Lab Sample ID: 280-88346-13
Client Matrix: Water

Date Sampled: 09/12/2016 0830
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343450	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5088.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/23/2016 1503			Final Weight/Volume:	20 mL
Prep Date:	09/23/2016 1503				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104		70 - 127
Toluene-d8 (Surr)	98		80 - 125
4-Bromofluorobenzene (Surr)	90		78 - 120
Dibromofluoromethane (Surr)	100		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0575-2**

Lab Sample ID: 280-88346-14
Client Matrix: Water

Date Sampled: 09/12/2016 0855
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343450	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5089.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/23/2016 1524			Final Weight/Volume:	20 mL
Prep Date:	09/23/2016 1524				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	2.7	J	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.16	J	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.44	J B	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0575-2**

Lab Sample ID: 280-88346-14
Client Matrix: Water

Date Sampled: 09/12/2016 0855
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343450	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5089.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/23/2016 1524			Final Weight/Volume:	20 mL
Prep Date:	09/23/2016 1524				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	1.8		0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		70 - 127
Toluene-d8 (Surr)	100		80 - 125
4-Bromofluorobenzene (Surr)	92		78 - 120
Dibromofluoromethane (Surr)	102		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0576-1**

Lab Sample ID: 280-88346-15
Client Matrix: Water

Date Sampled: 09/13/2016 1000
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS9_9223.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 0831			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 0831				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	3.5	J B	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.67	J	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.97	J	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.17	J	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0576-1**

Lab Sample ID: 280-88346-15
Client Matrix: Water

Date Sampled: 09/13/2016 1000
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS9_9223.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 0831			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 0831				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.37	J	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	115		70 - 127
Toluene-d8 (Surr)	101		80 - 125
4-Bromofluorobenzene (Surr)	97		78 - 120
Dibromofluoromethane (Surr)	112		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0576-2**

Lab Sample ID: 280-88346-16
Client Matrix: Water

Date Sampled: 09/13/2016 1030
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS9_9224.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 0852			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 0852				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	3.6	J B	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.46	J	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	15		0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	7.9		0.15	1.0
trans-1,2-Dichloroethene	0.43	J	0.15	1.0
1,1-Dichloroethene	1.6		0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: PIN12-0576-2

Lab Sample ID: 280-88346-16
Client Matrix: Water

Date Sampled: 09/13/2016 1030
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS9_9224.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 0852			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 0852				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	16		0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		70 - 127
Toluene-d8 (Surr)	95		80 - 125
4-Bromofluorobenzene (Surr)	90		78 - 120
Dibromofluoromethane (Surr)	101		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0576-3**

Lab Sample ID: 280-88346-17
Client Matrix: Water

Date Sampled: 09/13/2016 1115
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS9_9233.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 1203			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 1203				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	4.2	J B	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.47	J	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.65	J	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.26	J	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0576-3**

Lab Sample ID: 280-88346-17
Client Matrix: Water

Date Sampled: 09/13/2016 1115
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS9_9233.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 1203			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 1203				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	1.3		0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110		70 - 127
Toluene-d8 (Surr)	95		80 - 125
4-Bromofluorobenzene (Surr)	91		78 - 120
Dibromofluoromethane (Surr)	106		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0580-1**

Lab Sample ID: 280-88346-18
Client Matrix: Water

Date Sampled: 09/12/2016 1530
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343450	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5090.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/23/2016 1545			Final Weight/Volume:	20 mL
Prep Date:	09/23/2016 1545				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.43	J B	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0580-1**

Lab Sample ID: 280-88346-18
Client Matrix: Water

Date Sampled: 09/12/2016 1530
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343450	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5090.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/23/2016 1545			Final Weight/Volume:	20 mL
Prep Date:	09/23/2016 1545				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104		70 - 127
Toluene-d8 (Surr)	97		80 - 125
4-Bromofluorobenzene (Surr)	88		78 - 120
Dibromofluoromethane (Surr)	100		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0580-2**

Lab Sample ID: 280-88346-19
Client Matrix: Water

Date Sampled: 09/12/2016 1610
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343450	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5091.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/23/2016 1606			Final Weight/Volume:	20 mL
Prep Date:	09/23/2016 1606				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	2.0	J	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	3.6		0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	12		0.15	1.0
trans-1,2-Dichloroethene	6.3		0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.43	J B	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0580-2**

Lab Sample ID: 280-88346-19
Client Matrix: Water

Date Sampled: 09/12/2016 1610
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343450	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5091.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/23/2016 1606			Final Weight/Volume:	20 mL
Prep Date:	09/23/2016 1606				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106		70 - 127
Toluene-d8 (Surr)	96		80 - 125
4-Bromofluorobenzene (Surr)	89		78 - 120
Dibromofluoromethane (Surr)	100		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0580-2**

Lab Sample ID: 280-88346-19
Client Matrix: Water

Date Sampled: 09/12/2016 1610
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343580	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5115.D
Dilution:	1.0			Initial Weight/Volume:	2 mL
Analysis Date:	09/24/2016 1032	Run Type:	DL	Final Weight/Volume:	20 mL
Prep Date:	09/24/2016 1032				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	190		1.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		70 - 127
Toluene-d8 (Surr)	102		80 - 125
4-Bromofluorobenzene (Surr)	92		78 - 120
Dibromofluoromethane (Surr)	99		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0580-3**

Lab Sample ID: 280-88346-20
Client Matrix: Water

Date Sampled: 09/12/2016 1640
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343450	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5092.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/23/2016 1626			Final Weight/Volume:	20 mL
Prep Date:	09/23/2016 1626				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	3.2	J	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	3.3		0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	17		0.15	1.0
trans-1,2-Dichloroethene	3.6		0.15	1.0
1,1-Dichloroethene	0.23	J	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.43	J B	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0580-3**

Lab Sample ID: 280-88346-20
Client Matrix: Water

Date Sampled: 09/12/2016 1640
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343450	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5092.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/23/2016 1626			Final Weight/Volume:	20 mL
Prep Date:	09/23/2016 1626				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	46		0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106		70 - 127
Toluene-d8 (Surr)	97		80 - 125
4-Bromofluorobenzene (Surr)	89		78 - 120
Dibromofluoromethane (Surr)	101		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0586-1**

Lab Sample ID: 280-88346-21
Client Matrix: Water

Date Sampled: 09/13/2016 1345
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS9_9225.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 0913			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 0913				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	3.8	J B	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	1.2		0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0586-1**

Lab Sample ID: 280-88346-21
Client Matrix: Water

Date Sampled: 09/13/2016 1345
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS9_9225.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 0913			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 0913				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	2.8		0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		70 - 127
Toluene-d8 (Surr)	94		80 - 125
4-Bromofluorobenzene (Surr)	89		78 - 120
Dibromofluoromethane (Surr)	101		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0586-2**

Lab Sample ID: 280-88346-22
Client Matrix: Water

Date Sampled: 09/13/2016 1415
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS9_9234.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 1224			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 1224				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	4.4	J B	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.28	J	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	18		0.15	1.0
trans-1,2-Dichloroethene	0.21	J	0.15	1.0
1,1-Dichloroethene	0.65	J	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0586-2**

Lab Sample ID: 280-88346-22
Client Matrix: Water

Date Sampled: 09/13/2016 1415
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS9_9234.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 1224			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 1224				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	14		0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110		70 - 127
Toluene-d8 (Surr)	98		80 - 125
4-Bromofluorobenzene (Surr)	94		78 - 120
Dibromofluoromethane (Surr)	107		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0586-3**

Lab Sample ID: 280-88346-23
Client Matrix: Water

Date Sampled: 09/13/2016 1440
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS9_9235.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 1245			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 1245				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	4.6	J B	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.49	J	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.20	J	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0586-3**

Lab Sample ID: 280-88346-23
Client Matrix: Water

Date Sampled: 09/13/2016 1440
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS9_9235.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 1245			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 1245				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	1.9		0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	111		70 - 127
Toluene-d8 (Surr)	93		80 - 125
4-Bromofluorobenzene (Surr)	89		78 - 120
Dibromofluoromethane (Surr)	107		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0587-1**

Lab Sample ID: 280-88346-24
Client Matrix: Water

Date Sampled: 09/13/2016 1525
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS9_9236.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 1306			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 1306				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	4.4	J B	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.17	J	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0587-1**

Lab Sample ID: 280-88346-24
Client Matrix: Water

Date Sampled: 09/13/2016 1525
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS9_9236.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 1306			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 1306				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.19	J	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	112		70 - 127
Toluene-d8 (Surr)	93		80 - 125
4-Bromofluorobenzene (Surr)	91		78 - 120
Dibromofluoromethane (Surr)	107		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0587-2**

Lab Sample ID: 280-88346-25
Client Matrix: Water

Date Sampled: 09/13/2016 1605
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS9_9226.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 0934			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 0934				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	12	B	1.9	10
Benzene	0.79	J	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	5.8		2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.63	J	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.57	J	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.57	J	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	15		0.15	1.0
trans-1,2-Dichloroethene	7.8		0.15	1.0
1,1-Dichloroethene	0.86	J	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0587-2**

Lab Sample ID: 280-88346-25
Client Matrix: Water

Date Sampled: 09/13/2016 1605
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS9_9226.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 0934			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 0934				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	1.2		0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.75	J	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	17		0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	115		70 - 127
Toluene-d8 (Surr)	93		80 - 125
4-Bromofluorobenzene (Surr)	95		78 - 120
Dibromofluoromethane (Surr)	109		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0587-3**

Lab Sample ID: 280-88346-26
Client Matrix: Water

Date Sampled: 09/13/2016 1550
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343580	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5131.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/24/2016 1601			Final Weight/Volume:	20 mL
Prep Date:	09/24/2016 1601				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.22	J	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U *	0.31	1.0
1,1-Dichloroethane	0.29	J	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0587-3**

Lab Sample ID: 280-88346-26
Client Matrix: Water

Date Sampled: 09/13/2016 1550
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343580	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5131.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/24/2016 1601			Final Weight/Volume:	20 mL
Prep Date:	09/24/2016 1601				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.38	J	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		70 - 127
Toluene-d8 (Surr)	100		80 - 125
4-Bromofluorobenzene (Surr)	94		78 - 120
Dibromofluoromethane (Surr)	106		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0588-1**

Lab Sample ID: 280-88346-27
Client Matrix: Water

Date Sampled: 09/13/2016 1325
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS9_9237.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 1327			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 1327				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	4.5	J B	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.25	J	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0588-1**

Lab Sample ID: 280-88346-27
Client Matrix: Water

Date Sampled: 09/13/2016 1325
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS9_9237.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 1327			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 1327				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	1.2		0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		70 - 127
Toluene-d8 (Surr)	91		80 - 125
4-Bromofluorobenzene (Surr)	90		78 - 120
Dibromofluoromethane (Surr)	102		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0588-2**

Lab Sample ID: 280-88346-28
Client Matrix: Water

Date Sampled: 09/13/2016 1405
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343580	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5133.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/24/2016 1643			Final Weight/Volume:	20 mL
Prep Date:	09/24/2016 1643				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	5.2	J	1.9	10
Benzene	0.26	J	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U *	0.31	1.0
1,1-Dichloroethane	0.77	J	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	18		0.15	1.0
trans-1,2-Dichloroethene	0.19	J	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0588-2**

Lab Sample ID: 280-88346-28
Client Matrix: Water

Date Sampled: 09/13/2016 1405
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343580	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5133.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/24/2016 1643			Final Weight/Volume:	20 mL
Prep Date:	09/24/2016 1643				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	19		0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		70 - 127
Toluene-d8 (Surr)	98		80 - 125
4-Bromofluorobenzene (Surr)	92		78 - 120
Dibromofluoromethane (Surr)	104		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0588-3**

Lab Sample ID: 280-88346-29
Client Matrix: Water

Date Sampled: 09/13/2016 1450
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS9_9238.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 1348			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 1348				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	4.8	J B	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.23	J	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0588-3**

Lab Sample ID: 280-88346-29
Client Matrix: Water

Date Sampled: 09/13/2016 1450
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS9_9238.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 1348			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 1348				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	1.5		0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		70 - 127
Toluene-d8 (Surr)	93		80 - 125
4-Bromofluorobenzene (Surr)	89		78 - 120
Dibromofluoromethane (Surr)	104		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-2199**

Lab Sample ID: 280-88346-30
Client Matrix: Water

Date Sampled: 09/12/2016 0800
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343450	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5093.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/23/2016 1647			Final Weight/Volume:	20 mL
Prep Date:	09/23/2016 1647				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U F1	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.38	J B	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-2199**

Lab Sample ID: 280-88346-30
Client Matrix: Water

Date Sampled: 09/12/2016 0800
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343450	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5093.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/23/2016 1647			Final Weight/Volume:	20 mL
Prep Date:	09/23/2016 1647				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		70 - 127
Toluene-d8 (Surr)	100		80 - 125
4-Bromofluorobenzene (Surr)	91		78 - 120
Dibromofluoromethane (Surr)	103		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-2451**

Lab Sample ID: 280-88346-31
Client Matrix: Water

Date Sampled: 09/12/2016 1400
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343450	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5096.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/23/2016 1749			Final Weight/Volume:	20 mL
Prep Date:	09/23/2016 1749				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.64	J B	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-2451**

Lab Sample ID: 280-88346-31
Client Matrix: Water

Date Sampled: 09/12/2016 1400
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343450	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5096.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/23/2016 1749			Final Weight/Volume:	20 mL
Prep Date:	09/23/2016 1749				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.18	J	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	1.4		0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		70 - 127
Toluene-d8 (Surr)	98		80 - 125
4-Bromofluorobenzene (Surr)	91		78 - 120
Dibromofluoromethane (Surr)	104		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-2452**

Lab Sample ID: 280-88346-32
Client Matrix: Water

Date Sampled: 09/13/2016 1200
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS9_9227.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 0956			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 0956				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	3.4	J B	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.45	J	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	15		0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	8.3		0.15	1.0
trans-1,2-Dichloroethene	0.45	J	0.15	1.0
1,1-Dichloroethene	1.7		0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-2452**

Lab Sample ID: 280-88346-32
Client Matrix: Water

Date Sampled: 09/13/2016 1200
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS9_9227.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 0956			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 0956				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	17		0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		70 - 127
Toluene-d8 (Surr)	94		80 - 125
4-Bromofluorobenzene (Surr)	92		78 - 120
Dibromofluoromethane (Surr)	108		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-2689**

Lab Sample ID: 280-88346-33
Client Matrix: Water

Date Sampled: 09/12/2016 0800
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343450	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5098.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/23/2016 1830			Final Weight/Volume:	20 mL
Prep Date:	09/23/2016 1830				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	2.0	J	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.52	J B	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-2689**

Lab Sample ID: 280-88346-33
Client Matrix: Water

Date Sampled: 09/12/2016 0800
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343450	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5098.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/23/2016 1830			Final Weight/Volume:	20 mL
Prep Date:	09/23/2016 1830				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		70 - 127
Toluene-d8 (Surr)	97		80 - 125
4-Bromofluorobenzene (Surr)	90		78 - 120
Dibromofluoromethane (Surr)	103		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S30B**

Lab Sample ID: 280-88346-34
Client Matrix: Water

Date Sampled: 09/14/2016 1005
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS9_9228.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 1017			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 1017				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	4.2	J B	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.50	J	0.31	1.0
1,1-Dichloroethane	0.46	J	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	46		0.15	1.0
trans-1,2-Dichloroethene	6.4		0.15	1.0
1,1-Dichloroethene	0.63	J	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: PIN12-S30B

Lab Sample ID: 280-88346-34
Client Matrix: Water

Date Sampled: 09/14/2016 1005
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS9_9228.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 1017			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 1017				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	11		0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	26		0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	111		70 - 127
Toluene-d8 (Surr)	105		80 - 125
4-Bromofluorobenzene (Surr)	96		78 - 120
Dibromofluoromethane (Surr)	110		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S33C**

Lab Sample ID: 280-88346-35
Client Matrix: Water

Date Sampled: 09/13/2016 1030
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343580	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5135.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/24/2016 1724			Final Weight/Volume:	20 mL
Prep Date:	09/24/2016 1724				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	J	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.80	J	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U *	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
trans-1,2-Dichloroethene	11		0.15	1.0
1,1-Dichloroethene	4.8		0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.33	J B	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0
Styrene	0.17	U	0.17	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: PIN12-S33C

Lab Sample ID: 280-88346-35
Client Matrix: Water

Date Sampled: 09/13/2016 1030
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343580	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5135.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/24/2016 1724			Final Weight/Volume:	20 mL
Prep Date:	09/24/2016 1724				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	24		0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	38		0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106		70 - 127
Toluene-d8 (Surr)	97		80 - 125
4-Bromofluorobenzene (Surr)	90		78 - 120
Dibromofluoromethane (Surr)	102		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S33C**

Lab Sample ID: 280-88346-35
Client Matrix: Water

Date Sampled: 09/13/2016 1030
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343580	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5136.D
Dilution:	1.0			Initial Weight/Volume:	2 mL
Analysis Date:	09/24/2016 1744			Final Weight/Volume:	20 mL
Prep Date:	09/24/2016 1744				

Analyte	Result (ug/L)	Qualifier	MDL	RL
cis-1,2-Dichloroethene	130		1.5	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		70 - 127
Toluene-d8 (Surr)	98		80 - 125
4-Bromofluorobenzene (Surr)	91		78 - 120
Dibromofluoromethane (Surr)	105		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S35B**

Lab Sample ID: 280-88346-36
Client Matrix: Water

Date Sampled: 09/13/2016 0915
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343580	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5137.D
Dilution:	1.0			Initial Weight/Volume:	0.05 mL
Analysis Date:	09/24/2016 1805			Final Weight/Volume:	20 mL
Prep Date:	09/24/2016 1805				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	760	U	760	4000
Benzene	64	U	64	400
Bromobenzene	68	U	68	400
Bromochloromethane	40	U	40	400
Bromodichloromethane	68	U	68	400
Bromoform	76	U	76	400
Bromomethane	84	U	84	400
2-Butanone (MEK)	800	U	800	2000
n-Butylbenzene	130	U	130	400
sec-Butylbenzene	68	U	68	400
tert-Butylbenzene	64	U	64	400
Carbon disulfide	180	U	180	400
Carbon tetrachloride	76	U	76	400
Chlorobenzene	68	U	68	400
Dibromochloromethane	68	U	68	400
Chloroethane	160	U	160	400
Chloroform	64	U	64	400
Chloromethane	120	U	120	400
2-Chlorotoluene	68	U	68	400
4-Chlorotoluene	84	U	84	400
1,2-Dibromo-3-Chloropropane	190	U	190	400
Dibromomethane	68	U	68	400
1,2-Dichlorobenzene	60	U	60	400
1,3-Dichlorobenzene	52	U	52	400
1,4-Dichlorobenzene	64	U	64	400
Dichlorodifluoromethane	120	U *	120	400
1,1-Dichloroethane	88	U	88	400
1,2-Dichloroethane	52	U	52	400
trans-1,2-Dichloroethene	4100		60	400
1,1-Dichloroethene	660		92	400
1,2-Dichloropropane	72	U	72	400
1,3-Dichloropropane	88	U	88	400
2,2-Dichloropropane	72	U	72	400
cis-1,3-Dichloropropene	64	U	64	400
trans-1,3-Dichloropropene	76	U	76	400
1,1-Dichloropropene	76	U	76	400
Ethylbenzene	64	U	64	400
Hexachlorobutadiene	140	U	140	400
2-Hexanone	680	U	680	2000
Isopropylbenzene	76	U	76	400
4-Isopropyltoluene	80	U	80	400
Methylene Chloride	160	J B	130	400
4-Methyl-2-pentanone	390	U	390	2000
Naphthalene	88	U	88	400
n-Propylbenzene	64	U	64	400
Styrene	68	U	68	400

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S35B**

Lab Sample ID: 280-88346-36
Client Matrix: Water

Date Sampled: 09/13/2016 0915
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343580	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5137.D
Dilution:	1.0			Initial Weight/Volume:	0.05 mL
Analysis Date:	09/24/2016 1805			Final Weight/Volume:	20 mL
Prep Date:	09/24/2016 1805				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	84	U	84	400
1,1,2,2-Tetrachloroethane	84	U	84	400
Tetrachloroethene	80	U	80	400
Toluene	68	U	68	400
1,2,3-Trichlorobenzene	84	U	84	400
1,2,4-Trichlorobenzene	84	U	84	400
1,1,1-Trichloroethane	64	U	64	400
1,1,2-Trichloroethane	110	U	110	400
Trichlorofluoromethane	120	U	120	400
1,2,3-Trichloropropane	130	U	130	400
1,2,4-Trimethylbenzene	60	U	60	400
1,3,5-Trimethylbenzene	64	U	64	400
Vinyl chloride	11000		40	400
Xylenes, Total	76	U	76	400
1,2-Dibromoethane	72	U	72	400

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110		70 - 127
Toluene-d8 (Surr)	100		80 - 125
4-Bromofluorobenzene (Surr)	92		78 - 120
Dibromofluoromethane (Surr)	107		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: PIN12-S35B

Lab Sample ID: 280-88346-36
Client Matrix: Water

Date Sampled: 09/13/2016 0915
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343580	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5138.D
Dilution:	1.0			Initial Weight/Volume:	0.005 mL
Analysis Date:	09/24/2016 1826			Final Weight/Volume:	20 mL
Prep Date:	09/24/2016 1826				

Analyte	Result (ug/L)	Qualifier	MDL	RL
cis-1,2-Dichloroethene	48000		600	4000
Trichloroethene	37000		640	4000

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		70 - 127
Toluene-d8 (Surr)	100		80 - 125
4-Bromofluorobenzene (Surr)	90		78 - 120
Dibromofluoromethane (Surr)	104		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S68B**

Lab Sample ID: 280-88346-37
Client Matrix: Water

Date Sampled: 09/14/2016 0910
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343871	Instrument ID:	VMS_Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q0050.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/27/2016 1322			Final Weight/Volume:	20 mL
Prep Date:	09/27/2016 1322				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U F2	0.32	1.0
sec-Butylbenzene	0.17	U F2	0.17	1.0
tert-Butylbenzene	0.16	U F2	0.16	1.0
Carbon disulfide	0.45	U F2	0.45	1.0
Carbon tetrachloride	0.19	U F2	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U F1	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U F2	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U F2	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U F2	0.19	1.0
Ethylbenzene	0.16	U F2	0.16	1.0
Hexachlorobutadiene	0.36	U F2	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U F2	0.19	1.0
4-Isopropyltoluene	0.20	U F2	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S68B**

Lab Sample ID: 280-88346-37
Client Matrix: Water

Date Sampled: 09/14/2016 0910
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343871	Instrument ID:	VMS_Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q0050.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/27/2016 1322			Final Weight/Volume:	20 mL
Prep Date:	09/27/2016 1322				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U F2	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U F2	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U F2	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91		70 - 127
Toluene-d8 (Surr)	89		80 - 125
4-Bromofluorobenzene (Surr)	100		78 - 120
Dibromofluoromethane (Surr)	103		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S68C**

Lab Sample ID: 280-88346-38
Client Matrix: Water

Date Sampled: 09/14/2016 0935
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS9_9239.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 1409			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 1409				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	3.9	J B	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.48	J	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	1.7		0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	14		0.15	1.0
trans-1,2-Dichloroethene	0.23	J	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S68C**

Lab Sample ID: 280-88346-38
Client Matrix: Water

Date Sampled: 09/14/2016 0935
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS9_9239.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 1409			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 1409				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	9.7		0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110		70 - 127
Toluene-d8 (Surr)	94		80 - 125
4-Bromofluorobenzene (Surr)	90		78 - 120
Dibromofluoromethane (Surr)	105		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S68D**

Lab Sample ID: 280-88346-39
Client Matrix: Water

Date Sampled: 09/14/2016 1045
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343871	Instrument ID:	VMS_Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q0053.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/27/2016 1424			Final Weight/Volume:	20 mL
Prep Date:	09/27/2016 1424				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.39	J	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.69	J	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	50		0.15	1.0
trans-1,2-Dichloroethene	0.85	J	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.30	J	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S68D**

Lab Sample ID: 280-88346-39
Client Matrix: Water

Date Sampled: 09/14/2016 1045
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343871	Instrument ID:	VMS_Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q0053.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/27/2016 1424			Final Weight/Volume:	20 mL
Prep Date:	09/27/2016 1424				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.25	J B	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	31		0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91		70 - 127
Toluene-d8 (Surr)	89		80 - 125
4-Bromofluorobenzene (Surr)	104		78 - 120
Dibromofluoromethane (Surr)	104		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S69C**

Lab Sample ID: 280-88346-40
Client Matrix: Water

Date Sampled: 09/14/2016 1240
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS9_9240.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 1430			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 1430				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	5.6	J B	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.59	J	0.15	1.0
trans-1,2-Dichloroethene	0.18	J	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S69C**

Lab Sample ID: 280-88346-40
Client Matrix: Water

Date Sampled: 09/14/2016 1240
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS9_9240.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 1430			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 1430				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.48	J	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	114		70 - 127
Toluene-d8 (Surr)	95		80 - 125
4-Bromofluorobenzene (Surr)	91		78 - 120
Dibromofluoromethane (Surr)	108		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S69D**

Lab Sample ID: 280-88346-41
Client Matrix: Water

Date Sampled: 09/12/2016 1720
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343450	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5099.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/23/2016 1851			Final Weight/Volume:	20 mL
Prep Date:	09/23/2016 1851				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	2.7	J	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.41	J	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.42	J B	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S69D**

Lab Sample ID: 280-88346-41
Client Matrix: Water

Date Sampled: 09/12/2016 1720
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343450	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5099.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/23/2016 1851			Final Weight/Volume:	20 mL
Prep Date:	09/23/2016 1851				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.39	J	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		70 - 127
Toluene-d8 (Surr)	97		80 - 125
4-Bromofluorobenzene (Surr)	91		78 - 120
Dibromofluoromethane (Surr)	102		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S70B**

Lab Sample ID: 280-88346-42
Client Matrix: Water

Date Sampled: 09/14/2016 1425
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS9_9241.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 1451			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 1451				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	6.2	J B	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	12		0.15	1.0
trans-1,2-Dichloroethene	0.49	J	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: PIN12-S70B

Lab Sample ID: 280-88346-42
Client Matrix: Water

Date Sampled: 09/14/2016 1425
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS9_9241.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 1451			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 1451				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	3.7		0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	114		70 - 127
Toluene-d8 (Surr)	98		80 - 125
4-Bromofluorobenzene (Surr)	92		78 - 120
Dibromofluoromethane (Surr)	108		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S70C**

Lab Sample ID: 280-88346-43
Client Matrix: Water

Date Sampled: 09/14/2016 1515
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS9_9242.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 1513			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 1513				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	4.2	J B	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.56	J	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	3.6		0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	6.2		0.15	1.0
trans-1,2-Dichloroethene	1.8		0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S70C**

Lab Sample ID: 280-88346-43
Client Matrix: Water

Date Sampled: 09/14/2016 1515
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS9_9242.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 1513			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 1513				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	5.3		0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	123		70 - 127
Toluene-d8 (Surr)	104		80 - 125
4-Bromofluorobenzene (Surr)	100		78 - 120
Dibromofluoromethane (Surr)	115		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S70D**

Lab Sample ID: 280-88346-44
Client Matrix: Water

Date Sampled: 09/14/2016 1545
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343871	Instrument ID:	VMS_Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q0055.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/27/2016 1505			Final Weight/Volume:	20 mL
Prep Date:	09/27/2016 1505				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	8.5		0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	18		0.15	1.0
trans-1,2-Dichloroethene	7.5		0.15	1.0
1,1-Dichloroethene	0.65	J	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S70D**

Lab Sample ID: 280-88346-44
Client Matrix: Water

Date Sampled: 09/14/2016 1545
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343871	Instrument ID:	VMS_Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q0055.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/27/2016 1505			Final Weight/Volume:	20 mL
Prep Date:	09/27/2016 1505				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	14		0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	86		70 - 127
Toluene-d8 (Surr)	94		80 - 125
4-Bromofluorobenzene (Surr)	105		78 - 120
Dibromofluoromethane (Surr)	96		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S71B**

Lab Sample ID: 280-88346-45
Client Matrix: Water

Date Sampled: 09/14/2016 1245
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343871	Instrument ID:	VMS_Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q0056.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/27/2016 1526			Final Weight/Volume:	20 mL
Prep Date:	09/27/2016 1526				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S71B**

Lab Sample ID: 280-88346-45
Client Matrix: Water

Date Sampled: 09/14/2016 1245
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343871	Instrument ID:	VMS_Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q0056.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/27/2016 1526			Final Weight/Volume:	20 mL
Prep Date:	09/27/2016 1526				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90		70 - 127
Toluene-d8 (Surr)	91		80 - 125
4-Bromofluorobenzene (Surr)	104		78 - 120
Dibromofluoromethane (Surr)	98		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S71C**

Lab Sample ID: 280-88346-46
Client Matrix: Water

Date Sampled: 09/14/2016 1340
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343871	Instrument ID:	VMS_Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q0057.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/27/2016 1546			Final Weight/Volume:	20 mL
Prep Date:	09/27/2016 1546				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	5.0	J	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	5.0		0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	21		0.15	1.0
trans-1,2-Dichloroethene	15		0.15	1.0
1,1-Dichloroethene	0.34	J	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S71C**

Lab Sample ID: 280-88346-46
Client Matrix: Water

Date Sampled: 09/14/2016 1340
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343871	Instrument ID:	VMS_Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q0057.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/27/2016 1546			Final Weight/Volume:	20 mL
Prep Date:	09/27/2016 1546				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		70 - 127
Toluene-d8 (Surr)	98		80 - 125
4-Bromofluorobenzene (Surr)	106		78 - 120
Dibromofluoromethane (Surr)	104		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S71C**

Lab Sample ID: 280-88346-46
Client Matrix: Water

Date Sampled: 09/14/2016 1340
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-344067	Instrument ID:	VMS_Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q0088.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/28/2016 1402	Run Type:	DL	Final Weight/Volume:	20 mL
Prep Date:	09/28/2016 1402				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	51		0.40	4.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		70 - 127
Toluene-d8 (Surr)	100		80 - 125
4-Bromofluorobenzene (Surr)	119		78 - 120
Dibromofluoromethane (Surr)	103		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S71D**

Lab Sample ID: 280-88346-47
Client Matrix: Water

Date Sampled: 09/12/2016 1745
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343450	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5100.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/23/2016 1912			Final Weight/Volume:	20 mL
Prep Date:	09/23/2016 1912				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	4.1	J	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	1.7		0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	15		0.15	1.0
trans-1,2-Dichloroethene	7.9		0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.46	J B	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0
n-Propylbenzene	0.16	U	0.16	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: PIN12-S71D

Lab Sample ID: 280-88346-47
Client Matrix: Water

Date Sampled: 09/12/2016 1745
Date Received: 09/16/2016 0935

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-343450	Instrument ID:	VMS_MS1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	MS1_5100.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/23/2016 1912			Final Weight/Volume:	20 mL
Prep Date:	09/23/2016 1912				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	42		0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110		70 - 127
Toluene-d8 (Surr)	98		80 - 125
4-Bromofluorobenzene (Surr)	90		78 - 120
Dibromofluoromethane (Surr)	104		77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0541**

Lab Sample ID: 280-88346-1
Client Matrix: Water

Date Sampled: 09/14/2016 1315
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343026	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4876.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/21/2016 0755			Final Weight/Volume:	20 mL
Prep Date:	09/21/2016 0755				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	1.8		0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0542**

Lab Sample ID: 280-88346-2
Client Matrix: Water

Date Sampled: 09/14/2016 1340
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343026	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4877.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/21/2016 0814			Final Weight/Volume:	20 mL
Prep Date:	09/21/2016 0814				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	2.3		0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0549**

Lab Sample ID: 280-88346-3
Client Matrix: Water

Date Sampled: 09/14/2016 1430
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343026	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4878.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/21/2016 0832			Final Weight/Volume:	20 mL
Prep Date:	09/21/2016 0832				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	2.5		0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0551-2**

Lab Sample ID: 280-88346-4
Client Matrix: Water

Date Sampled: 09/13/2016 0915
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343026	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4879.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/21/2016 0850			Final Weight/Volume:	20 mL
Prep Date:	09/21/2016 0850				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	1.8		0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0565-1**

Lab Sample ID: 280-88346-5
Client Matrix: Water

Date Sampled: 09/12/2016 1040
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343026	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4882.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/21/2016 0945			Final Weight/Volume:	20 mL
Prep Date:	09/21/2016 0945				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.22	U	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0565-2**

Lab Sample ID: 280-88346-6
Client Matrix: Water

Date Sampled: 09/12/2016 1100
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343026	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4883.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/21/2016 1027			Final Weight/Volume:	20 mL
Prep Date:	09/21/2016 1027				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.22	U	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	76		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0565-3**

Lab Sample ID: 280-88346-7
Client Matrix: Water

Date Sampled: 09/12/2016 1130
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343026	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4884.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/21/2016 1045			Final Weight/Volume:	20 mL
Prep Date:	09/21/2016 1045				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.22	U	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0572-1**

Lab Sample ID: 280-88346-8
Client Matrix: Water

Date Sampled: 09/12/2016 1420
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343026	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4885.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/21/2016 1104			Final Weight/Volume:	20 mL
Prep Date:	09/21/2016 1104				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.22	U	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0572-2**

Lab Sample ID: 280-88346-9
Client Matrix: Water

Date Sampled: 09/12/2016 1445
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343026	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4886.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/21/2016 1122			Final Weight/Volume:	20 mL
Prep Date:	09/21/2016 1122				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	2.1		0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0574-1**

Lab Sample ID: 280-88346-10
Client Matrix: Water

Date Sampled: 09/12/2016 0920
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343026	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4887.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/21/2016 1140			Final Weight/Volume:	20 mL
Prep Date:	09/21/2016 1140				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	1.7		0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0574-2**

Lab Sample ID: 280-88346-11
Client Matrix: Water

Date Sampled: 09/12/2016 0945
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343026	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4888.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/21/2016 1158			Final Weight/Volume:	20 mL
Prep Date:	09/21/2016 1158				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	2.0		0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0574-3**

Lab Sample ID: 280-88346-12
Client Matrix: Water

Date Sampled: 09/12/2016 1010
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343026	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4889.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/21/2016 1216			Final Weight/Volume:	20 mL
Prep Date:	09/21/2016 1216				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.22	U	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	86		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0575-1**

Lab Sample ID: 280-88346-13
Client Matrix: Water

Date Sampled: 09/12/2016 0830
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343026	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4890.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/21/2016 1234			Final Weight/Volume:	20 mL
Prep Date:	09/21/2016 1234				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	1.8		0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0575-2**

Lab Sample ID: 280-88346-14
Client Matrix: Water

Date Sampled: 09/12/2016 0855
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343026	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4891.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/21/2016 1252			Final Weight/Volume:	20 mL
Prep Date:	09/21/2016 1252				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.91	J	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	86		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0576-1**

Lab Sample ID: 280-88346-15
Client Matrix: Water

Date Sampled: 09/13/2016 1000
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343026	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4902.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/21/2016 1612			Final Weight/Volume:	20 mL
Prep Date:	09/21/2016 1612				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	23		0.88	4.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	82		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0576-2**

Lab Sample ID: 280-88346-16
Client Matrix: Water

Date Sampled: 09/13/2016 1030
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343026	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4899.D
Dilution:	1.0			Initial Weight/Volume:	4 mL
Analysis Date:	09/21/2016 1517			Final Weight/Volume:	20 mL
Prep Date:	09/21/2016 1517				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	41		1.1	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	86		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0576-3**

Lab Sample ID: 280-88346-17
Client Matrix: Water

Date Sampled: 09/13/2016 1115
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343026	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4894.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/21/2016 1346			Final Weight/Volume:	20 mL
Prep Date:	09/21/2016 1346				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	1.6		0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	87		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0580-1**

Lab Sample ID: 280-88346-18
Client Matrix: Water

Date Sampled: 09/12/2016 1530
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343026	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4895.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/21/2016 1404			Final Weight/Volume:	20 mL
Prep Date:	09/21/2016 1404				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.22	U	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	85		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0580-2**

Lab Sample ID: 280-88346-19
Client Matrix: Water

Date Sampled: 09/12/2016 1610
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343026	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4900.D
Dilution:	1.0			Initial Weight/Volume:	0.5 mL
Analysis Date:	09/21/2016 1535			Final Weight/Volume:	20 mL
Prep Date:	09/21/2016 1535				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	210		8.8	40

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0580-3**

Lab Sample ID: 280-88346-20
Client Matrix: Water

Date Sampled: 09/12/2016 1640
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343026	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4901.D
Dilution:	1.0			Initial Weight/Volume:	4 mL
Analysis Date:	09/21/2016 1553			Final Weight/Volume:	20 mL
Prep Date:	09/21/2016 1553				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	39		1.1	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	82		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0586-1**

Lab Sample ID: 280-88346-21
Client Matrix: Water

Date Sampled: 09/13/2016 1345
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343646	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4914.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/25/2016 0735			Final Weight/Volume:	20 mL
Prep Date:	09/25/2016 0735				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.52	J	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0586-2**

Lab Sample ID: 280-88346-22
Client Matrix: Water

Date Sampled: 09/13/2016 1415
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343646	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4915.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/25/2016 0754			Final Weight/Volume:	20 mL
Prep Date:	09/25/2016 0754				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	1.1		0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0586-3**

Lab Sample ID: 280-88346-23
Client Matrix: Water

Date Sampled: 09/13/2016 1440
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343646	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4916.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/25/2016 0812			Final Weight/Volume:	20 mL
Prep Date:	09/25/2016 0812				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.61	J	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0587-1**

Lab Sample ID: 280-88346-24
Client Matrix: Water

Date Sampled: 09/13/2016 1525
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343646	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4917.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/25/2016 0844			Final Weight/Volume:	20 mL
Prep Date:	09/25/2016 0844				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.43	J	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0587-2**

Lab Sample ID: 280-88346-25
Client Matrix: Water

Date Sampled: 09/13/2016 1605
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343646	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4936.D
Dilution:	1.0			Initial Weight/Volume:	1 mL
Analysis Date:	09/25/2016 1447			Final Weight/Volume:	20 mL
Prep Date:	09/25/2016 1447				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	13	J	4.4	20

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0587-3**

Lab Sample ID: 280-88346-26
Client Matrix: Water

Date Sampled: 09/13/2016 1550
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343646	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4921.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/25/2016 1005			Final Weight/Volume:	20 mL
Prep Date:	09/25/2016 1005				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	2.7		0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	114		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0588-1**

Lab Sample ID: 280-88346-27
Client Matrix: Water

Date Sampled: 09/13/2016 1325
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343646	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4922.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/25/2016 1024			Final Weight/Volume:	20 mL
Prep Date:	09/25/2016 1024				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.47	J	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0588-2**

Lab Sample ID: 280-88346-28
Client Matrix: Water

Date Sampled: 09/13/2016 1405
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343646	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4923.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/25/2016 1042			Final Weight/Volume:	20 mL
Prep Date:	09/25/2016 1042				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	2.8		0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-0588-3**

Lab Sample ID: 280-88346-29
Client Matrix: Water

Date Sampled: 09/13/2016 1450
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343646	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4924.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/25/2016 1100			Final Weight/Volume:	20 mL
Prep Date:	09/25/2016 1100				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.88	J	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	112		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-2451**

Lab Sample ID: 280-88346-31
Client Matrix: Water

Date Sampled: 09/12/2016 1400
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343646	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4925.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/25/2016 1118			Final Weight/Volume:	20 mL
Prep Date:	09/25/2016 1118				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	1.9		0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-2452**

Lab Sample ID: 280-88346-32
Client Matrix: Water

Date Sampled: 09/13/2016 1200
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343646	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4937.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/25/2016 1505			Final Weight/Volume:	20 mL
Prep Date:	09/25/2016 1505				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	41		0.88	4.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S30B**

Lab Sample ID: 280-88346-34
Client Matrix: Water

Date Sampled: 09/14/2016 1005
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343646	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4938.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	09/25/2016 1523			Final Weight/Volume:	20 mL
Prep Date:	09/25/2016 1523				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.88	U	0.88	4.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S33C**

Lab Sample ID: 280-88346-35
Client Matrix: Water

Date Sampled: 09/13/2016 1030
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343646	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4928.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/25/2016 1223			Final Weight/Volume:	20 mL
Prep Date:	09/25/2016 1223				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.22	U	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S35B**

Lab Sample ID: 280-88346-36
Client Matrix: Water

Date Sampled: 09/13/2016 0915
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343646	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4929.D
Dilution:	1.0			Initial Weight/Volume:	0.05 mL
Analysis Date:	09/25/2016 1241			Final Weight/Volume:	20 mL
Prep Date:	09/25/2016 1241				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	190	J	88	400

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S68B**

Lab Sample ID: 280-88346-37
Client Matrix: Water

Date Sampled: 09/14/2016 0910
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343646	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4930.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/25/2016 1259			Final Weight/Volume:	20 mL
Prep Date:	09/25/2016 1259				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.22	U	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	113		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S68C**

Lab Sample ID: 280-88346-38
Client Matrix: Water

Date Sampled: 09/14/2016 0935
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343646	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4931.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/25/2016 1317			Final Weight/Volume:	20 mL
Prep Date:	09/25/2016 1317				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	5.1		0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S68D**

Lab Sample ID: 280-88346-39
Client Matrix: Water

Date Sampled: 09/14/2016 1045
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343646	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4932.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/25/2016 1335			Final Weight/Volume:	20 mL
Prep Date:	09/25/2016 1335				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	1.9		0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S69C**

Lab Sample ID: 280-88346-40
Client Matrix: Water

Date Sampled: 09/14/2016 1240
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343646	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4933.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/25/2016 1353			Final Weight/Volume:	20 mL
Prep Date:	09/25/2016 1353				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	1.7		0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	111		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S69D**

Lab Sample ID: 280-88346-41
Client Matrix: Water

Date Sampled: 09/12/2016 1720
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343646	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4934.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/25/2016 1411			Final Weight/Volume:	20 mL
Prep Date:	09/25/2016 1411				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	2.5		0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	111		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S70B**

Lab Sample ID: 280-88346-42
Client Matrix: Water

Date Sampled: 09/14/2016 1425
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343667	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4949.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 0826			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 0826				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.59	J	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S70C**

Lab Sample ID: 280-88346-43
Client Matrix: Water

Date Sampled: 09/14/2016 1515
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343667	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4950.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 0845			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 0845				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	18		0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S70D**

Lab Sample ID: 280-88346-44
Client Matrix: Water

Date Sampled: 09/14/2016 1545
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343667	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4951.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 0903			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 0903				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	19		0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S71B**

Lab Sample ID: 280-88346-45
Client Matrix: Water

Date Sampled: 09/14/2016 1245
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343667	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4952.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 0921			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 0921				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.22	U	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	111		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S71C**

Lab Sample ID: 280-88346-46
Client Matrix: Water

Date Sampled: 09/14/2016 1340
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343667	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4959.D
Dilution:	1.0			Initial Weight/Volume:	4 mL
Analysis Date:	09/26/2016 1128			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 1128				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	41		1.1	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Client Sample ID: **PIN12-S71D**

Lab Sample ID: 280-88346-47
Client Matrix: Water

Date Sampled: 09/12/2016 1745
Date Received: 09/16/2016 0935

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Analysis Method:	8260B SIM	Analysis Batch:	280-343646	Instrument ID:	VMS_E
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E4935.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	09/25/2016 1429			Final Weight/Volume:	20 mL
Prep Date:	09/25/2016 1429				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	16		0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
280-88346-1	PIN12-0541	104	103	97	93
280-88346-2	PIN12-0542	108	109	103	97
280-88346-3	PIN12-0549	102	105	92	88
280-88346-4	PIN12-0551-2	115	121	101	100
280-88346-5	PIN12-0565-1	93	88	104	93
280-88346-6	PIN12-0565-2	97	93	103	93
280-88346-7	PIN12-0565-3	98	97	103	92
280-88346-8	PIN12-0572-1	97	97	101	90
280-88346-9	PIN12-0572-2	101	103	99	92
280-88346-10	PIN12-0574-1	101	99	100	92
280-88346-10 DL	PIN12-0574-1 DL	95	93	101	92
280-88346-11	PIN12-0574-2	100	103	98	88
280-88346-11 DL	PIN12-0574-2 DL	101	100	101	92
280-88346-12	PIN12-0574-3	101	106	98	90
280-88346-13	PIN12-0575-1	100	104	98	90
280-88346-14	PIN12-0575-2	102	109	100	92
280-88346-15	PIN12-0576-1	112	115	101	97
280-88346-16	PIN12-0576-2	101	103	95	90
280-88346-17	PIN12-0576-3	106	110	95	91
280-88346-18	PIN12-0580-1	100	104	97	88
280-88346-19	PIN12-0580-2	100	106	96	89
280-88346-19 DL	PIN12-0580-2 DL	99	100	102	92
280-88346-20	PIN12-0580-3	101	106	97	89
280-88346-21	PIN12-0586-1	101	103	94	89
280-88346-22	PIN12-0586-2	107	110	98	94
280-88346-23	PIN12-0586-3	107	111	93	89
280-88346-24	PIN12-0587-1	107	112	93	91
280-88346-25	PIN12-0587-2	109	115	93	95
280-88346-26	PIN12-0587-3	106	109	100	94

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	77-120
DCA = 1,2-Dichloroethane-d4 (Surr)	70-127
TOL = Toluene-d8 (Surr)	80-125
BFB = 4-Bromofluorobenzene (Surr)	78-120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
280-88346-27	PIN12-0588-1	102	105	91	90
280-88346-28	PIN12-0588-2	104	107	98	92
280-88346-29	PIN12-0588-3	104	109	93	89
280-88346-30	PIN12-2199	103	109	100	91
280-88346-31	PIN12-2451	104	108	98	91
280-88346-32	PIN12-2452	108	108	94	92
280-88346-33	PIN12-2689	103	107	97	90
280-88346-34	PIN12-S30B	110	111	105	96
280-88346-35	PIN12-S33C	102	106	97	90
280-88346-35	PIN12-S33C	105	109	98	91
280-88346-36	PIN12-S35B	107	110	100	92
280-88346-36	PIN12-S35B	104	108	100	90
280-88346-37	PIN12-S68B	103	91	89	100
280-88346-38	PIN12-S68C	105	110	94	90
280-88346-39	PIN12-S68D	104	91	89	104
280-88346-40	PIN12-S69C	108	114	95	91
280-88346-41	PIN12-S69D	102	105	97	91
280-88346-42	PIN12-S70B	108	114	98	92
280-88346-43	PIN12-S70C	115	123	104	100
280-88346-44	PIN12-S70D	96	86	94	105
280-88346-45	PIN12-S71B	98	90	91	104
280-88346-46	PIN12-S71C	104	93	98	106
280-88346-46 DL	PIN12-S71C DL	103	99	100	119
280-88346-47	PIN12-S71D	104	110	98	90
MB 280-343450/6		97	96	100	92
MB 280-343580/6		96	96	97	90
MB 280-343668/6		113	111	109	105
MB 280-343871/6		104	99	96	96
MB 280-344067/6		99	95	95	109
LCS 280-343450/4		97	95	99	91

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	77-120
DCA = 1,2-Dichloroethane-d4 (Surr)	70-127
TOL = Toluene-d8 (Surr)	80-125
BFB = 4-Bromofluorobenzene (Surr)	78-120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
LCS 280-343580/4		99	99	99	91
LCS 280-343668/4		102	98	98	92
LCS 280-343871/4		98	96	105	86
LCS 280-344067/4		99	97	91	103
LCSD 280-344067/5		102	97	92	112
280-88346-2 MS	PIN12-0542 MS	119	120	113	105
280-88346-30 MS	PIN12-2199 MS	103	106	96	88
280-88346-37 MS	PIN12-S68B MS	102	91	88	103
280-88402-B-16 MS		103	107	97	90
280-88254-F-2 MS		102	97	98	103
280-88346-2 MSD	PIN12-0542 MSD	109	109	101	97
280-88346-30 MSD	PIN12-2199 MSD	104	106	96	90
280-88346-37 MSD	PIN12-S68B MSD	101	92	99	93
280-88402-B-16 MSD		103	109	98	91
280-88254-F-2 MSD		103	96	94	114

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	77-120
DCA = 1,2-Dichloroethane-d4 (Surr)	70-127
TOL = Toluene-d8 (Surr)	80-125
BFB = 4-Bromofluorobenzene (Surr)	78-120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Surrogate Recovery Report

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec
280-88346-1	PIN12-0541	88
280-88346-2	PIN12-0542	99
280-88346-3	PIN12-0549	96
280-88346-4	PIN12-0551-2	102
280-88346-5	PIN12-0565-1	96
280-88346-6	PIN12-0565-2	76
280-88346-7	PIN12-0565-3	104
280-88346-8	PIN12-0572-1	95
280-88346-9	PIN12-0572-2	101
280-88346-10	PIN12-0574-1	88
280-88346-11	PIN12-0574-2	98
280-88346-12	PIN12-0574-3	86
280-88346-13	PIN12-0575-1	90
280-88346-14	PIN12-0575-2	86
280-88346-15	PIN12-0576-1	82
280-88346-16	PIN12-0576-2	86
280-88346-17	PIN12-0576-3	87
280-88346-18	PIN12-0580-1	85
280-88346-19	PIN12-0580-2	90
280-88346-20	PIN12-0580-3	82
280-88346-21	PIN12-0586-1	99
280-88346-22	PIN12-0586-2	94
280-88346-23	PIN12-0586-3	105
280-88346-24	PIN12-0587-1	107
280-88346-25	PIN12-0587-2	103
280-88346-26	PIN12-0587-3	114
280-88346-27	PIN12-0588-1	106
280-88346-28	PIN12-0588-2	105
280-88346-29	PIN12-0588-3	112

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Surrogate Recovery Report

8260B SIM Volatile Organic Compounds (GC/MS-SIM)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec
280-88346-31	PIN12-2451	107
280-88346-32	PIN12-2452	101
280-88346-34	PIN12-S30B	108
280-88346-35	PIN12-S33C	102
280-88346-36	PIN12-S35B	107
280-88346-37	PIN12-S68B	113
280-88346-38	PIN12-S68C	104
280-88346-39	PIN12-S68D	99
280-88346-40	PIN12-S69C	111
280-88346-41	PIN12-S69D	111
280-88346-42	PIN12-S70B	102
280-88346-43	PIN12-S70C	101
280-88346-44	PIN12-S70D	102
280-88346-45	PIN12-S71B	111
280-88346-46	PIN12-S71C	99
280-88346-47	PIN12-S71D	105
MB 280-343026/5		97
MB 280-343646/5		101
MB 280-343667/5		104
LCS 280-343026/3		89
LCS 280-343646/3		103
LCS 280-343667/3		101
280-88346-1 MS	PIN12-0541 MS	100
280-88346-21 MS	PIN12-0586-1 MS	106
280-88346-45 MS	PIN12-S71B MS	97
280-88346-1 MSD	PIN12-0541 MSD	101
280-88346-21 MSD	PIN12-0586-1 MSD	104
280-88346-45 MSD	PIN12-S71B MSD	100

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Method Blank - Batch: 280-343450

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-343450/6	Analysis Batch:	280-343450	Instrument ID:	VMS_MS1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	MS1_5074.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/23/2016 1014	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/23/2016 1014				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.490	J	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Method Blank - Batch: 280-343450

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-343450/6	Analysis Batch:	280-343450	Instrument ID:	VMS_MS1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	MS1_5074.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/23/2016 1014	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/23/2016 1014				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
n-Propylbenzene	0.16	U	0.16	1.0
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	70 - 127
Toluene-d8 (Surr)	100	80 - 125
4-Bromofluorobenzene (Surr)	92	78 - 120
Dibromofluoromethane (Surr)	97	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Lab Control Sample - Batch: 280-343450

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 280-343450/4	Analysis Batch:	280-343450	Instrument ID:	VMS_MS1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	MS1_5073.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/23/2016 0954	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/23/2016 0954				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	5.00	5.20	104	65 - 135	
Bromodichloromethane	5.00	4.80	96	65 - 135	
Carbon tetrachloride	5.00	5.42	108	65 - 135	
Chlorobenzene	5.00	5.10	102	65 - 135	
Chloroform	5.00	4.99	100	65 - 135	
1,3-Dichlorobenzene	5.00	5.10	102	65 - 135	
1,1-Dichloroethane	5.00	5.06	101	65 - 135	
trans-1,2-Dichloroethene	5.00	5.52	110	65 - 135	
1,1-Dichloroethene	5.00	5.61	112	65 - 136	
1,2-Dichloropropane	5.00	4.96	99	64 - 135	
Ethylbenzene	5.00	5.13	103	65 - 135	
Methylene Chloride	5.00	5.47	109	54 - 141	
Tetrachloroethene	5.00	5.35	107	65 - 135	
Toluene	5.00	5.31	106	65 - 135	
1,1,1-Trichloroethane	5.00	5.35	107	65 - 135	
Trichloroethene	5.00	5.19	104	65 - 135	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95	70 - 127
Toluene-d8 (Surr)	99	80 - 125
4-Bromofluorobenzene (Surr)	91	78 - 120
Dibromofluoromethane (Surr)	97	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-343450

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-88346-30	Analysis Batch:	280-343450	Instrument ID:	VMS_MS1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	MS1_5094.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/23/2016 1708			Final Weight/Volume:	20 mL
Prep Date:	09/23/2016 1708				20 mL
Leach Date:	N/A				

MSD Lab Sample ID:	280-88346-30	Analysis Batch:	280-343450	Instrument ID:	VMS_MS1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	MS1_5095.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/23/2016 1728			Final Weight/Volume:	20 mL
Prep Date:	09/23/2016 1728				20 mL
Leach Date:	N/A				

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	90	95	65 - 135	6	20		
Bromodichloromethane	100	104	65 - 135	4	20		
Carbon tetrachloride	94	101	65 - 135	7	21		
Chlorobenzene	88	91	65 - 135	3	20		
Chloroform	97	103	65 - 135	6	20		
1,3-Dichlorobenzene	80	86	65 - 135	7	20		
1,1-Dichloroethane	90	94	65 - 135	5	21		
trans-1,2-Dichloroethene	92	98	65 - 135	6	24		
1,1-Dichloroethene	87	95	65 - 136	9	20		
1,2-Dichloropropane	88	92	64 - 135	5	20		
Ethylbenzene	80	84	65 - 135	4	20		
Methylene Chloride	97	102	54 - 141	5	26		
Tetrachloroethene	81	86	65 - 135	6	20		
Toluene	92	97	65 - 135	5	20		
1,1,1-Trichloroethane	96	102	65 - 135	7	20		
Trichloroethene	86	91	65 - 135	5	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106	106	70 - 127
Toluene-d8 (Surr)	96	96	80 - 125
4-Bromofluorobenzene (Surr)	88	90	78 - 120
Dibromofluoromethane (Surr)	103	104	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-343450

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-88346-30	Units: ug/L		MSD Lab Sample ID:	280-88346-30
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/23/2016 1708			Analysis Date:	09/23/2016 1728
Prep Date:	09/23/2016 1708			Prep Date:	09/23/2016 1728
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Benzene	0.16	U	5.00	5.00	4.49	4.76
Bromodichloromethane	0.17	U	5.00	5.00	5.01	5.22
Carbon tetrachloride	0.19	U	5.00	5.00	4.70	5.07
Chlorobenzene	0.17	U	5.00	5.00	4.41	4.55
Chloroform	0.16	U	5.00	5.00	4.85	5.13
1,3-Dichlorobenzene	0.13	U	5.00	5.00	4.02	4.29
1,1-Dichloroethane	0.22	U	5.00	5.00	4.48	4.68
trans-1,2-Dichloroethene	0.15	U	5.00	5.00	4.60	4.90
1,1-Dichloroethene	0.23	U	5.00	5.00	4.35	4.75
1,2-Dichloropropane	0.18	U	5.00	5.00	4.41	4.62
Ethylbenzene	0.16	U	5.00	5.00	4.00	4.18
Methylene Chloride	0.38	J	5.00	5.00	5.22	5.48
Tetrachloroethene	0.20	U	5.00	5.00	4.05	4.32
Toluene	0.17	U	5.00	5.00	4.60	4.83
1,1,1-Trichloroethane	0.16	U	5.00	5.00	4.78	5.11
Trichloroethene	0.16	U	5.00	5.00	4.32	4.54

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Method Blank - Batch: 280-343580

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-343580/6	Analysis Batch:	280-343580	Instrument ID:	VMS_MS1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	MS1_5112.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/24/2016 0931	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/24/2016 0931				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.373	J	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Method Blank - Batch: 280-343580

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-343580/6	Analysis Batch:	280-343580	Instrument ID:	VMS_MS1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	MS1_5112.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/24/2016 0931	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/24/2016 0931				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
n-Propylbenzene	0.16	U	0.16	1.0
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	70 - 127
Toluene-d8 (Surr)	97	80 - 125
4-Bromofluorobenzene (Surr)	90	78 - 120
Dibromofluoromethane (Surr)	96	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Lab Control Sample - Batch: 280-343580

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 280-343580/4	Analysis Batch:	280-343580	Instrument ID:	VMS_MS1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	MS1_5111.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/24/2016 0911	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/24/2016 0911				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	5.00	4.84	97	65 - 135	
Bromodichloromethane	5.00	4.72	94	65 - 135	
Carbon tetrachloride	5.00	5.61	112	65 - 135	
Chlorobenzene	5.00	4.96	99	65 - 135	
Chloroform	5.00	4.95	99	65 - 135	
1,3-Dichlorobenzene	5.00	4.94	99	65 - 135	
1,1-Dichloroethane	5.00	4.63	93	65 - 135	
trans-1,2-Dichloroethene	5.00	5.20	104	65 - 135	
1,1-Dichloroethene	5.00	5.35	107	65 - 136	
1,2-Dichloropropane	5.00	4.35	87	64 - 135	
Ethylbenzene	5.00	5.00	100	65 - 135	
Methylene Chloride	5.00	5.04	101	54 - 141	
Tetrachloroethene	5.00	5.37	107	65 - 135	
Toluene	5.00	5.15	103	65 - 135	
1,1,1-Trichloroethane	5.00	5.55	111	65 - 135	
Trichloroethene	5.00	5.05	101	65 - 135	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99	70 - 127
Toluene-d8 (Surr)	99	80 - 125
4-Bromofluorobenzene (Surr)	91	78 - 120
Dibromofluoromethane (Surr)	99	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-343580

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-88402-B-16 MS	Analysis Batch:	280-343580	Instrument ID:	VMS_MS1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	MS1_5124.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/24/2016 1337			Final Weight/Volume:	20 mL
Prep Date:	09/24/2016 1337				20 mL
Leach Date:	N/A				

MSD Lab Sample ID:	280-88402-B-16 MSD	Analysis Batch:	280-343580	Instrument ID:	VMS_MS1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	MS1_5125.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/24/2016 1358			Final Weight/Volume:	20 mL
Prep Date:	09/24/2016 1358				20 mL
Leach Date:	N/A				

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	93	95	65 - 135	2	20		
Bromodichloromethane	99	104	65 - 135	4	20		
Carbon tetrachloride	104	106	65 - 135	3	21		
Chlorobenzene	94	95	65 - 135	2	20		
Chloroform	104	107	65 - 135	4	20		
1,3-Dichlorobenzene	91	91	65 - 135	0	20		
1,1-Dichloroethane	91	94	65 - 135	4	21		
trans-1,2-Dichloroethene	96	100	65 - 135	4	24		
1,1-Dichloroethene	94	98	65 - 136	5	20		
1,2-Dichloropropane	88	90	64 - 135	3	20		
Ethylbenzene	91	90	65 - 135	0	20		
Methylene Chloride	98	104	54 - 141	6	26		
Tetrachloroethene	93	94	65 - 135	1	20		
Toluene	97	99	65 - 135	3	20		
1,1,1-Trichloroethane	104	107	65 - 135	3	20		
Trichloroethene	95	96	65 - 135	1	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107	109	70 - 127
Toluene-d8 (Surr)	97	98	80 - 125
4-Bromofluorobenzene (Surr)	90	91	78 - 120
Dibromofluoromethane (Surr)	103	103	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-343580

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-88402-B-16 MS	Units: ug/L	
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	09/24/2016 1337		
Prep Date:	09/24/2016 1337		
Leach Date:	N/A		

MSD Lab Sample ID:	280-88402-B-16 MSD
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	09/24/2016 1358
Prep Date:	09/24/2016 1358
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Benzene	0.16	U	5.00	5.00	4.65	4.75
Bromodichloromethane	0.17	U	5.00	5.00	4.97	5.19
Carbon tetrachloride	0.19	U	5.00	5.00	5.18	5.32
Chlorobenzene	0.17	U	5.00	5.00	4.69	4.76
Chloroform	0.16	U	5.00	5.00	5.18	5.37
1,3-Dichlorobenzene	0.13	U	5.00	5.00	4.55	4.57
1,1-Dichloroethane	0.22	U	5.00	5.00	4.53	4.69
trans-1,2-Dichloroethene	0.15	U	5.00	5.00	4.80	4.99
1,1-Dichloroethene	0.23	U	5.00	5.00	4.69	4.91
1,2-Dichloropropane	0.18	U	5.00	5.00	4.39	4.52
Ethylbenzene	0.16	U	5.00	5.00	4.53	4.51
Methylene Chloride	0.32	U	5.00	5.00	4.90	5.22
Tetrachloroethene	0.20	U	5.00	5.00	4.65	4.70
Toluene	0.17	U	5.00	5.00	4.83	4.96
1,1,1-Trichloroethane	0.16	U	5.00	5.00	5.20	5.36
Trichloroethene	0.16	U	5.00	5.00	4.74	4.79

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Method Blank - Batch: 280-343668

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-343668/6	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	MS9_9220.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 0728	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 0728				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acetone	2.08	J	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.345	J	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Method Blank - Batch: 280-343668

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-343668/6	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	MS9_9220.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 0728	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 0728				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
n-Propylbenzene	0.16	U	0.16	1.0
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.21	U	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	111	70 - 127
Toluene-d8 (Surr)	109	80 - 125
4-Bromofluorobenzene (Surr)	105	78 - 120
Dibromofluoromethane (Surr)	113	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Lab Control Sample - Batch: 280-343668

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 280-343668/4	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	MS9_9219.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 0703	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 0703				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	5.00	5.61	112	65 - 135	
Bromodichloromethane	5.00	5.40	108	65 - 135	
Carbon tetrachloride	5.00	5.59	112	65 - 135	
Chlorobenzene	5.00	6.09	122	65 - 135	
Chloroform	5.00	5.68	114	65 - 135	
1,3-Dichlorobenzene	5.00	6.02	120	65 - 135	
1,1-Dichloroethane	5.00	5.59	112	65 - 135	
trans-1,2-Dichloroethene	5.00	5.80	116	65 - 135	
1,1-Dichloroethene	5.00	6.22	124	65 - 136	
1,2-Dichloropropane	5.00	5.29	106	64 - 135	
Ethylbenzene	5.00	5.79	116	65 - 135	
Methylene Chloride	5.00	5.07	101	54 - 141	
Tetrachloroethene	5.00	6.08	122	65 - 135	
Toluene	5.00	5.41	108	65 - 135	
1,1,1-Trichloroethane	5.00	5.56	111	65 - 135	
Trichloroethene	5.00	5.57	111	65 - 135	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98	70 - 127
Toluene-d8 (Surr)	98	80 - 125
4-Bromofluorobenzene (Surr)	92	78 - 120
Dibromofluoromethane (Surr)	102	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-343668

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-88346-2	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	MS9_9229.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 1038			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 1038				20 mL
Leach Date:	N/A				

MSD Lab Sample ID:	280-88346-2	Analysis Batch:	280-343668	Instrument ID:	VMS_MS9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	MS9_9230.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 1059			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 1059				20 mL
Leach Date:	N/A				

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	120	111	65 - 135	8	20		
Bromodichloromethane	117	108	65 - 135	7	20		
Carbon tetrachloride	114	106	65 - 135	8	21		
Chlorobenzene	128	116	65 - 135	9	20		
Chloroform	124	114	65 - 135	9	20		
1,3-Dichlorobenzene	128	116	65 - 135	9	20		
1,1-Dichloroethane	121	111	65 - 135	8	21		
trans-1,2-Dichloroethene	124	114	65 - 135	9	24		
1,1-Dichloroethene	125	120	65 - 136	4	20		
1,2-Dichloropropane	113	106	64 - 135	7	20		
Ethylbenzene	119	108	65 - 135	9	20		
Methylene Chloride	108	102	54 - 141	5	26		
Tetrachloroethene	124	113	65 - 135	9	20		
Toluene	115	106	65 - 135	8	20		
1,1,1-Trichloroethane	114	106	65 - 135	7	20		
Trichloroethene	114	106	65 - 135	7	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	120	109	70 - 127
Toluene-d8 (Surr)	113	101	80 - 125
4-Bromofluorobenzene (Surr)	105	97	78 - 120
Dibromofluoromethane (Surr)	119	109	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-343668

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-88346-2	Units: ug/L		MSD Lab Sample ID:	280-88346-2
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/26/2016 1038			Analysis Date:	09/26/2016 1059
Prep Date:	09/26/2016 1038			Prep Date:	09/26/2016 1059
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Benzene	0.16	U	5.00	5.00	6.00	5.57
Bromodichloromethane	0.17	U	5.00	5.00	5.83	5.42
Carbon tetrachloride	0.19	U	5.00	5.00	5.72	5.30
Chlorobenzene	0.17	U	5.00	5.00	6.39	5.82
Chloroform	0.16	U	5.00	5.00	6.22	5.70
1,3-Dichlorobenzene	0.13	U	5.00	5.00	6.38	5.80
1,1-Dichloroethane	0.34	J	5.00	5.00	6.40	5.90
trans-1,2-Dichloroethene	0.15	U	5.00	5.00	6.20	5.68
1,1-Dichloroethene	0.23	U	5.00	5.00	6.24	6.01
1,2-Dichloropropane	0.18	U	5.00	5.00	5.65	5.29
Ethylbenzene	0.16	U	5.00	5.00	5.94	5.42
Methylene Chloride	0.32	U	5.00	5.00	5.38	5.10
Tetrachloroethene	0.20	U	5.00	5.00	6.18	5.66
Toluene	0.17	U	5.00	5.00	5.73	5.30
1,1,1-Trichloroethane	0.16	U	5.00	5.00	5.72	5.32
Trichloroethene	0.16	U	5.00	5.00	5.69	5.28

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Method Blank - Batch: 280-343871

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-343871/6	Analysis Batch:	280-343871	Instrument ID:	VMS_Q
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	Q0041.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/27/2016 1002	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/27/2016 1002				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.32	U	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.22	U	0.22	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Method Blank - Batch: 280-343871

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-343871/6	Analysis Batch:	280-343871	Instrument ID:	VMS_Q
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	Q0041.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/27/2016 1002	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/27/2016 1002				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
n-Propylbenzene	0.16	U	0.16	1.0
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.331	J	0.21	1.0
1,2,4-Trichlorobenzene	0.211	J	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99	70 - 127
Toluene-d8 (Surr)	96	80 - 125
4-Bromofluorobenzene (Surr)	96	78 - 120
Dibromofluoromethane (Surr)	104	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Lab Control Sample - Batch: 280-343871

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 280-343871/4	Analysis Batch:	280-343871	Instrument ID:	VMS_Q
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	Q0040.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/27/2016 0942	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/27/2016 0942				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	5.00	5.28	106	65 - 135	
Bromodichloromethane	5.00	5.37	107	65 - 135	
Carbon tetrachloride	5.00	4.42	88	65 - 135	
Chlorobenzene	5.00	4.85	97	65 - 135	
Chloroform	5.00	5.51	110	65 - 135	
1,3-Dichlorobenzene	5.00	4.73	95	65 - 135	
1,1-Dichloroethane	5.00	5.27	105	65 - 135	
trans-1,2-Dichloroethene	5.00	5.07	101	65 - 135	
1,1-Dichloroethene	5.00	4.52	90	65 - 136	
1,2-Dichloropropane	5.00	5.62	112	64 - 135	
Ethylbenzene	5.00	4.67	93	65 - 135	
Methylene Chloride	5.00	5.52	110	54 - 141	
Tetrachloroethene	5.00	4.97	99	65 - 135	
Toluene	5.00	4.77	95	65 - 135	
1,1,1-Trichloroethane	5.00	4.30	86	65 - 135	
Trichloroethene	5.00	5.02	100	65 - 135	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	70 - 127
Toluene-d8 (Surr)	105	80 - 125
4-Bromofluorobenzene (Surr)	86	78 - 120
Dibromofluoromethane (Surr)	98	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-343871

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-88346-37	Analysis Batch:	280-343871	Instrument ID:	VMS_Q
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	Q0051.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/27/2016 1343			Final Weight/Volume:	20 mL
Prep Date:	09/27/2016 1343				20 mL
Leach Date:	N/A				

MSD Lab Sample ID:	280-88346-37	Analysis Batch:	280-343871	Instrument ID:	VMS_Q
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	Q0052.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/27/2016 1403			Final Weight/Volume:	20 mL
Prep Date:	09/27/2016 1403				20 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	101	115	65 - 135	14	20		
Bromodichloromethane	115	115	65 - 135	0	20		
Carbon tetrachloride	83	123	65 - 135	38	21		F2
Chlorobenzene	93	103	65 - 135	10	20		
Chloroform	109	113	65 - 135	4	20		
1,3-Dichlorobenzene	91	102	65 - 135	12	20		
1,1-Dichloroethane	101	112	65 - 135	11	21		
trans-1,2-Dichloroethene	100	120	65 - 135	19	24		
1,1-Dichloroethene	91	131	65 - 136	36	20		F2
1,2-Dichloropropane	110	116	64 - 135	5	20		
Ethylbenzene	81	103	65 - 135	23	20		F2
Methylene Chloride	123	131	54 - 141	6	26		
Tetrachloroethene	73	109	65 - 135	39	20		F2
Toluene	100	112	65 - 135	10	20		
1,1,1-Trichloroethane	84	115	65 - 135	32	20		F2
Trichloroethene	92	117	65 - 135	23	20		F2

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91	92	70 - 127
Toluene-d8 (Surr)	88	99	80 - 125
4-Bromofluorobenzene (Surr)	103	93	78 - 120
Dibromofluoromethane (Surr)	102	101	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-343871

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-88346-37	Units: ug/L	
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	09/27/2016 1343		
Prep Date:	09/27/2016 1343		
Leach Date:	N/A		

MSD Lab Sample ID:	280-88346-37
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	09/27/2016 1403
Prep Date:	09/27/2016 1403
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
Benzene	0.16	U	5.00	5.00	5.03	5.76	
Bromodichloromethane	0.17	U	5.00	5.00	5.76	5.76	
Carbon tetrachloride	0.19	U	5.00	5.00	4.17	6.16	F2
Chlorobenzene	0.17	U	5.00	5.00	4.65	5.16	
Chloroform	0.16	U	5.00	5.00	5.45	5.66	
1,3-Dichlorobenzene	0.13	U	5.00	5.00	4.53	5.09	
1,1-Dichloroethane	0.22	U	5.00	5.00	5.03	5.62	
trans-1,2-Dichloroethene	0.15	U	5.00	5.00	4.98	6.02	
1,1-Dichloroethene	0.23	U	5.00	5.00	4.55	6.56	F2
1,2-Dichloropropane	0.18	U	5.00	5.00	5.50	5.79	
Ethylbenzene	0.16	U	5.00	5.00	4.07	5.13	F2
Methylene Chloride	0.32	U	5.00	5.00	6.14	6.55	
Tetrachloroethene	0.20	U	5.00	5.00	3.66	5.46	F2
Toluene	0.17	U	5.00	5.00	5.02	5.58	
1,1,1-Trichloroethane	0.16	U	5.00	5.00	4.18	5.75	F2
Trichloroethene	0.16	U	5.00	5.00	4.60	5.83	F2

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Method Blank - Batch: 280-344067

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-344067/6	Analysis Batch:	280-344067	Instrument ID:	VMS_Q
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	Q0076.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/28/2016 0956	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/28/2016 0956				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acetone	1.9	U	1.9	10
Benzene	0.16	U	0.16	1.0
Bromobenzene	0.17	U	0.17	1.0
Bromochloromethane	0.10	U	0.10	1.0
Bromodichloromethane	0.17	U	0.17	1.0
Bromoform	0.19	U	0.19	1.0
Bromomethane	0.21	U	0.21	1.0
2-Butanone (MEK)	2.0	U	2.0	5.0
n-Butylbenzene	0.32	U	0.32	1.0
sec-Butylbenzene	0.17	U	0.17	1.0
tert-Butylbenzene	0.16	U	0.16	1.0
Carbon disulfide	0.45	U	0.45	1.0
Carbon tetrachloride	0.19	U	0.19	1.0
Chlorobenzene	0.17	U	0.17	1.0
Dibromochloromethane	0.17	U	0.17	1.0
Chloroethane	0.41	U	0.41	1.0
Chloroform	0.16	U	0.16	1.0
Chloromethane	0.30	U	0.30	1.0
2-Chlorotoluene	0.17	U	0.17	1.0
4-Chlorotoluene	0.21	U	0.21	1.0
1,2-Dibromo-3-Chloropropane	0.47	U	0.47	1.0
Dibromomethane	0.17	U	0.17	1.0
1,2-Dichlorobenzene	0.15	U	0.15	1.0
1,3-Dichlorobenzene	0.13	U	0.13	1.0
1,4-Dichlorobenzene	0.16	U	0.16	1.0
Dichlorodifluoromethane	0.31	U	0.31	1.0
1,1-Dichloroethane	0.22	U	0.22	1.0
1,2-Dichloroethane	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.15	U	0.15	1.0
trans-1,2-Dichloroethene	0.15	U	0.15	1.0
1,1-Dichloroethene	0.23	U	0.23	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichloropropane	0.22	U	0.22	1.0
2,2-Dichloropropane	0.18	U	0.18	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
1,1-Dichloropropene	0.19	U	0.19	1.0
Ethylbenzene	0.16	U	0.16	1.0
Hexachlorobutadiene	0.36	U	0.36	1.0
2-Hexanone	1.7	U	1.7	5.0
Isopropylbenzene	0.19	U	0.19	1.0
4-Isopropyltoluene	0.20	U	0.20	1.0
Methylene Chloride	0.557	J	0.32	1.0
4-Methyl-2-pentanone	0.98	U	0.98	5.0
Naphthalene	0.291	J	0.22	1.0

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Method Blank - Batch: 280-344067

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-344067/6	Analysis Batch:	280-344067	Instrument ID:	VMS_Q
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	Q0076.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/28/2016 0956	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/28/2016 0956				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
n-Propylbenzene	0.16	U	0.16	1.0
Styrene	0.17	U	0.17	1.0
1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.0
1,1,2,2-Tetrachloroethane	0.21	U	0.21	1.0
Tetrachloroethene	0.20	U	0.20	1.0
Toluene	0.17	U	0.17	1.0
1,2,3-Trichlorobenzene	0.298	J	0.21	1.0
1,2,4-Trichlorobenzene	0.21	U	0.21	1.0
1,1,1-Trichloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.27	U	0.27	1.0
Trichloroethene	0.16	U	0.16	1.0
Trichlorofluoromethane	0.29	U	0.29	1.0
1,2,3-Trichloropropane	0.33	U	0.33	1.0
1,2,4-Trimethylbenzene	0.15	U	0.15	1.0
1,3,5-Trimethylbenzene	0.16	U	0.16	1.0
Vinyl chloride	0.10	U	0.10	1.0
Xylenes, Total	0.19	U	0.19	1.0
1,2-Dibromoethane	0.18	U	0.18	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95	70 - 127
Toluene-d8 (Surr)	95	80 - 125
4-Bromofluorobenzene (Surr)	109	78 - 120
Dibromofluoromethane (Surr)	99	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-344067

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 280-344067/4	Analysis Batch:	280-344067	Instrument ID:	VMS_Q
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	Q0075.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/28/2016 0935	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/28/2016 0935				20 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-344067/5	Analysis Batch:	280-344067	Instrument ID:	VMS_Q
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	Q0077.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/28/2016 1016	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/28/2016 1016				20 mL
Leach Date:	N/A				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	104	116	65 - 135	10	20		
Bromodichloromethane	114	122	65 - 135	7	20		
Carbon tetrachloride	94	108	65 - 135	15	21		
Chlorobenzene	95	103	65 - 135	7	20		
Chloroform	108	119	65 - 135	10	20		
1,3-Dichlorobenzene	96	100	65 - 135	4	20		
1,1-Dichloroethane	102	115	65 - 135	13	21		
trans-1,2-Dichloroethene	101	115	65 - 135	13	24		
1,1-Dichloroethene	96	111	65 - 136	14	20		
1,2-Dichloropropane	113	122	64 - 135	7	20		
Ethylbenzene	90	100	65 - 135	10	20		
Methylene Chloride	127	136	54 - 141	7	26		
Tetrachloroethene	84	93	65 - 135	10	20		
Toluene	101	123	65 - 135	20	20		
1,1,1-Trichloroethane	92	107	65 - 135	15	20		
Trichloroethene	100	111	65 - 135	11	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97	97	70 - 127
Toluene-d8 (Surr)	91	92	80 - 125
4-Bromofluorobenzene (Surr)	103	112	78 - 120
Dibromofluoromethane (Surr)	99	102	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-344067

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 280-344067/4	Units: ug/L		LCSD Lab Sample ID:	LCSD 280-344067/5
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/28/2016 0935			Analysis Date:	09/28/2016 1016
Prep Date:	09/28/2016 0935			Prep Date:	09/28/2016 1016
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Benzene	5.00	5.00	5.22	5.79
Bromodichloromethane	5.00	5.00	5.71	6.10
Carbon tetrachloride	5.00	5.00	4.68	5.41
Chlorobenzene	5.00	5.00	4.77	5.13
Chloroform	5.00	5.00	5.38	5.93
1,3-Dichlorobenzene	5.00	5.00	4.82	5.02
1,1-Dichloroethane	5.00	5.00	5.08	5.77
trans-1,2-Dichloroethene	5.00	5.00	5.07	5.77
1,1-Dichloroethene	5.00	5.00	4.82	5.54
1,2-Dichloropropane	5.00	5.00	5.66	6.08
Ethylbenzene	5.00	5.00	4.52	4.98
Methylene Chloride	5.00	5.00	6.37	6.81
Tetrachloroethene	5.00	5.00	4.18	4.63
Toluene	5.00	5.00	5.05	6.17
1,1,1-Trichloroethane	5.00	5.00	4.60	5.33
Trichloroethene	5.00	5.00	5.00	5.56

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-344067

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-88254-F-2 MS	Analysis Batch:	280-344067	Instrument ID:	VMS_Q
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	Q0081.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.2 mL
Analysis Date:	09/28/2016 1139			Final Weight/Volume:	20 mL
Prep Date:	09/28/2016 1139				20 mL
Leach Date:	N/A				

MSD Lab Sample ID:	280-88254-F-2 MSD	Analysis Batch:	280-344067	Instrument ID:	VMS_Q
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	Q0082.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.2 mL
Analysis Date:	09/28/2016 1159			Final Weight/Volume:	20 mL
Prep Date:	09/28/2016 1159				20 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	116	126	65 - 135	8	20		
Bromodichloromethane	116	129	65 - 135	11	20		
Carbon tetrachloride	115	134	65 - 135	15	21		
Chlorobenzene	102	109	65 - 135	7	20		
Chloroform	116	126	65 - 135	9	20		
1,3-Dichlorobenzene	98	108	65 - 135	10	20		
1,1-Dichloroethane	117	125	65 - 135	6	21		
trans-1,2-Dichloroethene	119	129	65 - 135	7	24		
1,1-Dichloroethene	115	132	65 - 136	13	20		
1,2-Dichloropropane	120	130	64 - 135	9	20		
Ethylbenzene	104	113	65 - 135	8	20		
Methylene Chloride	119	129	54 - 141	7	26		
Tetrachloroethene	105	113	65 - 135	6	20		
Toluene	111	131	65 - 135	16	20		
1,1,1-Trichloroethane	114	128	65 - 135	10	20		
Trichloroethene	308	302	65 - 135	0	20	E 4	E 4

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97	96	70 - 127
Toluene-d8 (Surr)	98	94	80 - 125
4-Bromofluorobenzene (Surr)	103	114	78 - 120
Dibromofluoromethane (Surr)	102	103	77 - 120

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-344067

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-88254-F-2 MS	Units: ug/L	
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	09/28/2016 1139		
Prep Date:	09/28/2016 1139		
Leach Date:	N/A		

MSD Lab Sample ID:	280-88254-F-2 MSD
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	09/28/2016 1159
Prep Date:	09/28/2016 1159
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Benzene	16	U	500	500	579		630	
Bromodichloromethane	17	U	500	500	581		646	
Carbon tetrachloride	19	U	500	500	576		670	
Chlorobenzene	17	U	500	500	512		547	
Chloroform	16	U	500	500	579		631	
1,3-Dichlorobenzene	13	U	500	500	492		542	
1,1-Dichloroethane	22	U	500	500	586		624	
trans-1,2-Dichloroethene	110		500	500	702		751	
1,1-Dichloroethene	47	J	500	500	621		707	
1,2-Dichloropropane	18	U	500	500	598		652	
Ethylbenzene	16	U	500	500	520		563	
Methylene Chloride	64	J	500	500	660		709	
Tetrachloroethene	56	J	500	500	583		621	
Toluene	17	U	500	500	556		654	
1,1,1-Trichloroethane	100		500	500	670		739	
Trichloroethene	19000		500	500	21000	E 4	21000	E 4

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Method Blank - Batch: 280-343026

Method: 8260B SIM
Preparation: 5030B

Lab Sample ID:	MB 280-343026/5	Analysis Batch:	280-343026	Instrument ID:	VMS_E
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E4875.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/21/2016 0737	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/21/2016 0737				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,4-Dioxane	0.22	U	0.22	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97	70 - 127

Lab Control Sample - Batch: 280-343026

Method: 8260B SIM
Preparation: 5030B

Lab Sample ID:	LCS 280-343026/3	Analysis Batch:	280-343026	Instrument ID:	VMS_E
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E4874.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/21/2016 0719	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/21/2016 0719				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,4-Dioxane	5.00	4.40	88	25 - 141	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89	70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-343026

Method: 8260B SIM
Preparation: 5030B

MS Lab Sample ID:	280-88346-1	Analysis Batch:	280-343026	Instrument ID:	VMS_E
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E4880.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/21/2016 0908			Final Weight/Volume:	20 mL
Prep Date:	09/21/2016 0908				20 mL
Leach Date:	N/A				

MSD Lab Sample ID:	280-88346-1	Analysis Batch:	280-343026	Instrument ID:	VMS_E
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E4881.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/21/2016 0927			Final Weight/Volume:	20 mL
Prep Date:	09/21/2016 0927				20 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,4-Dioxane	81	86	25 - 141	4	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	101	70 - 127

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-343026

Method: 8260B SIM
Preparation: 5030B

MS Lab Sample ID:	280-88346-1	Units: ug/L		MSD Lab Sample ID:	280-88346-1
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/21/2016 0908			Analysis Date:	09/21/2016 0927
Prep Date:	09/21/2016 0908			Prep Date:	09/21/2016 0927
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,4-Dioxane	1.8	5.00	5.00	5.86	6.12

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Method Blank - Batch: 280-343646

Method: 8260B SIM
Preparation: 5030B

Lab Sample ID:	MB 280-343646/5	Analysis Batch:	280-343646	Instrument ID:	VMS_E
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E4913.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/25/2016 0717	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/25/2016 0717				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,4-Dioxane	0.22	U	0.22	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101	70 - 127

Lab Control Sample - Batch: 280-343646

Method: 8260B SIM
Preparation: 5030B

Lab Sample ID:	LCS 280-343646/3	Analysis Batch:	280-343646	Instrument ID:	VMS_E
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E4912.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/25/2016 0658	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/25/2016 0658				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,4-Dioxane	5.00	4.33	87	25 - 141	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-343646

Method: 8260B SIM
Preparation: 5030B

MS Lab Sample ID:	280-88346-21	Analysis Batch:	280-343646	Instrument ID:	VMS_E
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E4918.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/25/2016 0902			Final Weight/Volume:	20 mL
Prep Date:	09/25/2016 0902				20 mL
Leach Date:	N/A				

MSD Lab Sample ID:	280-88346-21	Analysis Batch:	280-343646	Instrument ID:	VMS_E
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E4919.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/25/2016 0921			Final Weight/Volume:	20 mL
Prep Date:	09/25/2016 0921				20 mL
Leach Date:	N/A				

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,4-Dioxane	74	75	25 - 141	0	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106	104	70 - 127

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-343646

Method: 8260B SIM
Preparation: 5030B

MS Lab Sample ID:	280-88346-21	Units:	ug/L	MSD Lab Sample ID:	280-88346-21
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	09/25/2016 0902			Analysis Date:	09/25/2016 0921
Prep Date:	09/25/2016 0902			Prep Date:	09/25/2016 0921
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,4-Dioxane	0.52	J	5.00	5.00	4.24	4.24

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Method Blank - Batch: 280-343667

Method: 8260B SIM
Preparation: 5030B

Lab Sample ID:	MB 280-343667/5	Analysis Batch:	280-343667	Instrument ID:	VMS_E
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E4948.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 0808	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 0808				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,4-Dioxane	0.22	U	0.22	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104	70 - 127

Lab Control Sample - Batch: 280-343667

Method: 8260B SIM
Preparation: 5030B

Lab Sample ID:	LCS 280-343667/3	Analysis Batch:	280-343667	Instrument ID:	VMS_E
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E4947.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 0750	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 0750				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,4-Dioxane	5.00	4.44	89	25 - 141	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101	70 - 127

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-343667

Method: 8260B SIM
Preparation: 5030B

MS Lab Sample ID:	280-88346-45	Analysis Batch:	280-343667	Instrument ID:	VMS_E
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E4957.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 1052			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 1052				20 mL
Leach Date:	N/A				

MSD Lab Sample ID:	280-88346-45	Analysis Batch:	280-343667	Instrument ID:	VMS_E
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E4958.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	09/26/2016 1110			Final Weight/Volume:	20 mL
Prep Date:	09/26/2016 1110				20 mL
Leach Date:	N/A				

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,4-Dioxane	110	114	25 - 141	4	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97	100	70 - 127

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-343667

Method: 8260B SIM
Preparation: 5030B

MS Lab Sample ID:	280-88346-45	Units: ug/L	MSD Lab Sample ID: 280-88346-45
Client Matrix:	Water		Client Matrix: Water
Dilution:	1.0		Dilution: 1.0
Analysis Date:	09/26/2016 1052		Analysis Date: 09/26/2016 1110
Prep Date:	09/26/2016 1052		Prep Date: 09/26/2016 1110
Leach Date:	N/A		Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,4-Dioxane	0.22	U	5.00	5.00	5.48	5.71

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:280-343026					
LCS 280-343026/3	Lab Control Sample	T	Water	8260B SIM	
MB 280-343026/5	Method Blank	T	Water	8260B SIM	
280-88346-1	PIN12-0541	T	Water	8260B SIM	
280-88346-1MS	Matrix Spike	T	Water	8260B SIM	
280-88346-1MSD	Matrix Spike Duplicate	T	Water	8260B SIM	
280-88346-2	PIN12-0542	T	Water	8260B SIM	
280-88346-3	PIN12-0549	T	Water	8260B SIM	
280-88346-4	PIN12-0551-2	T	Water	8260B SIM	
280-88346-5	PIN12-0565-1	T	Water	8260B SIM	
280-88346-6	PIN12-0565-2	T	Water	8260B SIM	
280-88346-7	PIN12-0565-3	T	Water	8260B SIM	
280-88346-8	PIN12-0572-1	T	Water	8260B SIM	
280-88346-9	PIN12-0572-2	T	Water	8260B SIM	
280-88346-10	PIN12-0574-1	T	Water	8260B SIM	
280-88346-11	PIN12-0574-2	T	Water	8260B SIM	
280-88346-12	PIN12-0574-3	T	Water	8260B SIM	
280-88346-13	PIN12-0575-1	T	Water	8260B SIM	
280-88346-14	PIN12-0575-2	T	Water	8260B SIM	
280-88346-15	PIN12-0576-1	T	Water	8260B SIM	
280-88346-16	PIN12-0576-2	T	Water	8260B SIM	
280-88346-17	PIN12-0576-3	T	Water	8260B SIM	
280-88346-18	PIN12-0580-1	T	Water	8260B SIM	
280-88346-19	PIN12-0580-2	T	Water	8260B SIM	
280-88346-20	PIN12-0580-3	T	Water	8260B SIM	

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:280-343450					
LCS 280-343450/4	Lab Control Sample	T	Water	8260B	
MB 280-343450/6	Method Blank	T	Water	8260B	
280-88346-5	PIN12-0565-1	T	Water	8260B	
280-88346-6	PIN12-0565-2	T	Water	8260B	
280-88346-7	PIN12-0565-3	T	Water	8260B	
280-88346-8	PIN12-0572-1	T	Water	8260B	
280-88346-9	PIN12-0572-2	T	Water	8260B	
280-88346-10	PIN12-0574-1	T	Water	8260B	
280-88346-11	PIN12-0574-2	T	Water	8260B	
280-88346-12	PIN12-0574-3	T	Water	8260B	
280-88346-13	PIN12-0575-1	T	Water	8260B	
280-88346-14	PIN12-0575-2	T	Water	8260B	
280-88346-18	PIN12-0580-1	T	Water	8260B	
280-88346-19	PIN12-0580-2	T	Water	8260B	
280-88346-20	PIN12-0580-3	T	Water	8260B	
280-88346-30	PIN12-2199	T	Water	8260B	
280-88346-30MS	Matrix Spike	T	Water	8260B	
280-88346-30MSD	Matrix Spike Duplicate	T	Water	8260B	
280-88346-31	PIN12-2451	T	Water	8260B	
280-88346-33	PIN12-2689	T	Water	8260B	
280-88346-41	PIN12-S69D	T	Water	8260B	
280-88346-47	PIN12-S71D	T	Water	8260B	
Analysis Batch:280-343580					
LCS 280-343580/4	Lab Control Sample	T	Water	8260B	
MB 280-343580/6	Method Blank	T	Water	8260B	
280-88346-10DL	PIN12-0574-1	T	Water	8260B	
280-88346-11DL	PIN12-0574-2	T	Water	8260B	
280-88346-19DL	PIN12-0580-2	T	Water	8260B	
280-88346-26	PIN12-0587-3	T	Water	8260B	
280-88346-28	PIN12-0588-2	T	Water	8260B	
280-88346-35	PIN12-S33C	T	Water	8260B	
280-88346-36	PIN12-S35B	T	Water	8260B	
280-88402-B-16 MS	Matrix Spike	T	Water	8260B	
280-88402-B-16 MSD	Matrix Spike Duplicate	T	Water	8260B	

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:280-343646					
LCS 280-343646/3	Lab Control Sample	T	Water	8260B SIM	
MB 280-343646/5	Method Blank	T	Water	8260B SIM	
280-88346-21	PIN12-0586-1	T	Water	8260B SIM	
280-88346-21MS	Matrix Spike	T	Water	8260B SIM	
280-88346-21MSD	Matrix Spike Duplicate	T	Water	8260B SIM	
280-88346-22	PIN12-0586-2	T	Water	8260B SIM	
280-88346-23	PIN12-0586-3	T	Water	8260B SIM	
280-88346-24	PIN12-0587-1	T	Water	8260B SIM	
280-88346-25	PIN12-0587-2	T	Water	8260B SIM	
280-88346-26	PIN12-0587-3	T	Water	8260B SIM	
280-88346-27	PIN12-0588-1	T	Water	8260B SIM	
280-88346-28	PIN12-0588-2	T	Water	8260B SIM	
280-88346-29	PIN12-0588-3	T	Water	8260B SIM	
280-88346-31	PIN12-2451	T	Water	8260B SIM	
280-88346-32	PIN12-2452	T	Water	8260B SIM	
280-88346-34	PIN12-S30B	T	Water	8260B SIM	
280-88346-35	PIN12-S33C	T	Water	8260B SIM	
280-88346-36	PIN12-S35B	T	Water	8260B SIM	
280-88346-37	PIN12-S68B	T	Water	8260B SIM	
280-88346-38	PIN12-S68C	T	Water	8260B SIM	
280-88346-39	PIN12-S68D	T	Water	8260B SIM	
280-88346-40	PIN12-S69C	T	Water	8260B SIM	
280-88346-41	PIN12-S69D	T	Water	8260B SIM	
280-88346-47	PIN12-S71D	T	Water	8260B SIM	
Analysis Batch:280-343667					
LCS 280-343667/3	Lab Control Sample	T	Water	8260B SIM	
MB 280-343667/5	Method Blank	T	Water	8260B SIM	
280-88346-42	PIN12-S70B	T	Water	8260B SIM	
280-88346-43	PIN12-S70C	T	Water	8260B SIM	
280-88346-44	PIN12-S70D	T	Water	8260B SIM	
280-88346-45	PIN12-S71B	T	Water	8260B SIM	
280-88346-45MS	Matrix Spike	T	Water	8260B SIM	
280-88346-45MSD	Matrix Spike Duplicate	T	Water	8260B SIM	
280-88346-46	PIN12-S71C	T	Water	8260B SIM	

Client: Navarro Research and Engineering, Inc

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QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:280-343668					
LCS 280-343668/4	Lab Control Sample	T	Water	8260B	
MB 280-343668/6	Method Blank	T	Water	8260B	
280-88346-1	PIN12-0541	T	Water	8260B	
280-88346-2	PIN12-0542	T	Water	8260B	
280-88346-2MS	Matrix Spike	T	Water	8260B	
280-88346-2MSD	Matrix Spike Duplicate	T	Water	8260B	
280-88346-3	PIN12-0549	T	Water	8260B	
280-88346-4	PIN12-0551-2	T	Water	8260B	
280-88346-15	PIN12-0576-1	T	Water	8260B	
280-88346-16	PIN12-0576-2	T	Water	8260B	
280-88346-17	PIN12-0576-3	T	Water	8260B	
280-88346-21	PIN12-0586-1	T	Water	8260B	
280-88346-22	PIN12-0586-2	T	Water	8260B	
280-88346-23	PIN12-0586-3	T	Water	8260B	
280-88346-24	PIN12-0587-1	T	Water	8260B	
280-88346-25	PIN12-0587-2	T	Water	8260B	
280-88346-27	PIN12-0588-1	T	Water	8260B	
280-88346-29	PIN12-0588-3	T	Water	8260B	
280-88346-32	PIN12-2452	T	Water	8260B	
280-88346-34	PIN12-S30B	T	Water	8260B	
280-88346-38	PIN12-S68C	T	Water	8260B	
280-88346-40	PIN12-S69C	T	Water	8260B	
280-88346-42	PIN12-S70B	T	Water	8260B	
280-88346-43	PIN12-S70C	T	Water	8260B	
Analysis Batch:280-343871					
LCS 280-343871/4	Lab Control Sample	T	Water	8260B	
MB 280-343871/6	Method Blank	T	Water	8260B	
280-88346-37	PIN12-S68B	T	Water	8260B	
280-88346-37MS	Matrix Spike	T	Water	8260B	
280-88346-37MSD	Matrix Spike Duplicate	T	Water	8260B	
280-88346-39	PIN12-S68D	T	Water	8260B	
280-88346-44	PIN12-S70D	T	Water	8260B	
280-88346-45	PIN12-S71B	T	Water	8260B	
280-88346-46	PIN12-S71C	T	Water	8260B	
Analysis Batch:280-344067					
LCS 280-344067/4	Lab Control Sample	T	Water	8260B	
LCSD 280-344067/5	Lab Control Sample Duplicate	T	Water	8260B	
MB 280-344067/6	Method Blank	T	Water	8260B	
280-88254-F-2 MS	Matrix Spike	T	Water	8260B	
280-88254-F-2 MSD	Matrix Spike Duplicate	T	Water	8260B	
280-88346-46DL	PIN12-S71C	T	Water	8260B	

Client: Navarro Research and Engineering, Inc

Job Number: 280-88346-1
Sdg Number: 16087996

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch

Report Basis
T = Total