Monitoring Well Sampling Update

Simplot Grower Solutions

Sunnyside, Washington

June 2018

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Simplot Grower Solutions
South 300 1st Street
Sunnyside, Washington 98944

June 2018

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Table of Contents

List of Figures

List of Tables

List of Appendices

Acronyms

Ecology	Washington Department of Ecology
HDR	HDR Engineering, Inc.
MCL	maximum contaminant level
mg/L	milligrams per liter
MTCA	Models Toxic Control Act
QA/QC	quality assurance/quality control
RCRA	Resource Conservation and Recovery Act
Simplot	Simplot Grower Solutions
Stantec	Stantec Consulting Corporation
SVID	Sunnyside Valley Irrigation District
USEPA	U.S. Environmental Protection Agency

1 Introduction

The purpose of this report is to update groundwater monitoring well sampling activities at the Simplot Grower Solutions (Simplot) facility at 300 South 1st Street in Sunnyside, Washington, with the most recent round of monitoring data collected in March/April 2018. On behalf of Simplot, HDR, Inc. (HDR) conducted monitoring activities in accordance with the July 2012 *Source Removal, Drain Evaluation, Monitoring Well Construction, and Sampling Work Plan* (HDR 2012a) and subsequent letter modifications (HDR 2012b).

1.1 Background

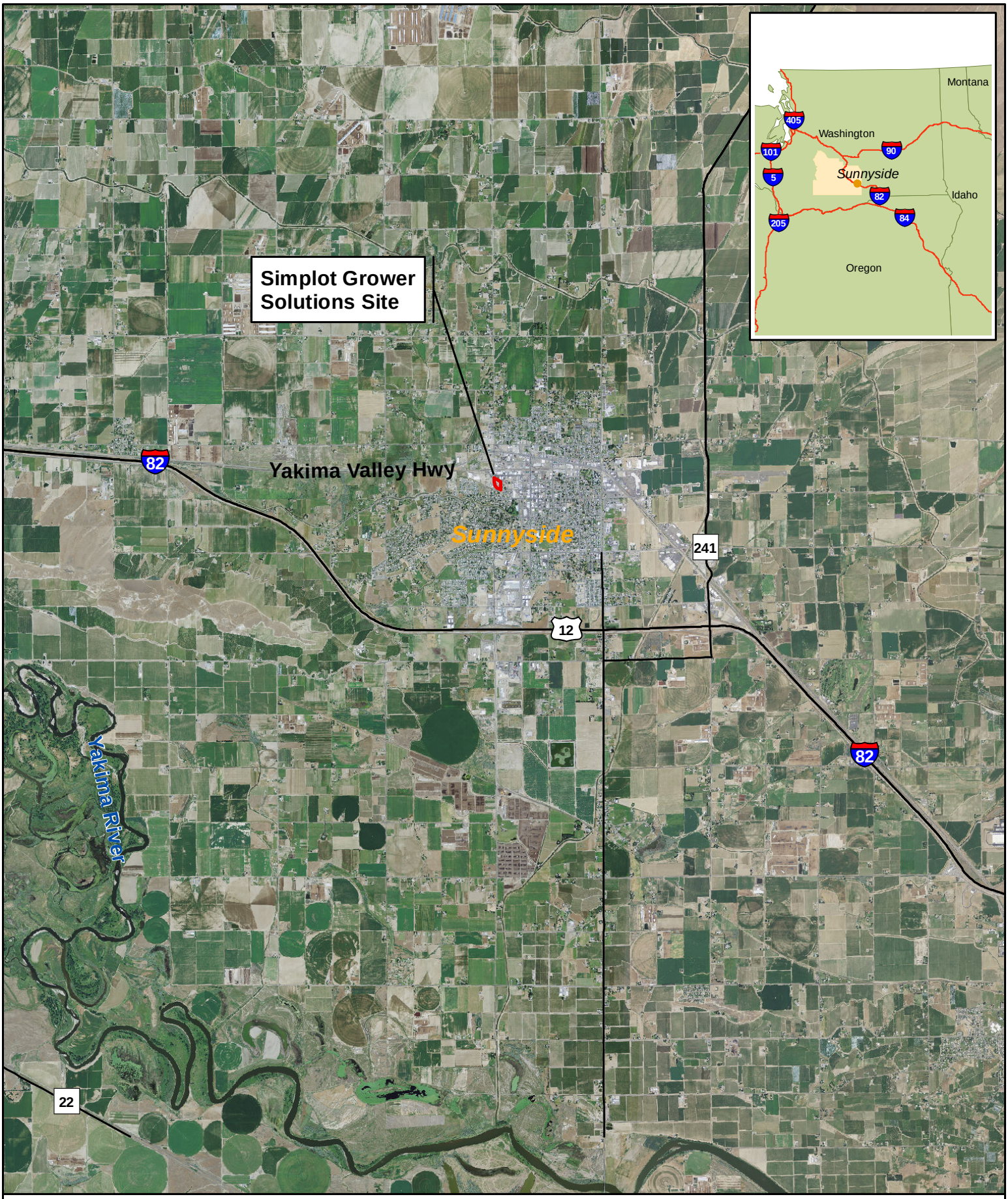
On October 1, 2008, Simplot received an Early Notice Letter from the Washington Department of Ecology (Ecology) regarding the potential release of hazardous substances from Simplot's facility at 300 South 1st Street, Sunnyside, Washington **(Figure 1** and **Figure 2**). Ecology's findings were based on information provided by Stantec Consulting Corporation (Stantec), a consulting firm contracted by Chevron Environmental Management Company (CEMC) and Atlantic Richfield Company (ARCO, now known as BP). Stantec had investigated and remediated the Bee-Jay Scales site, located at 116 North 1st Street, one block north of the Simplot facility (**Figure 2**). In spring 2007, Stantec investigated off-site groundwater to further assess the extent of groundwater impacts associated with the Bee-Jay Scales site. They drilled a boring adjacent to the east side of Simplot's property and collected groundwater samples; the samples were analyzed and several constituents exceeded groundwater quality standards. This finding triggered Ecology to request that Simplot investigate the Grower Solutions facility.

Simplot initiated on-site investigation activities in 2009. **Table 1** presents the timeline starting in 2008 with the Early Notice Letter from Ecology to Simplot through May 2017. Activities include removing the source in the former rinse area and assessing off-site groundwater conditions. Simplot contracted HDR to monitor groundwater; this report summarizes HDR's monitoring well sampling activities and analysis results for the most recent groundwater sampling event in March/April 2018.

Simplot's Sunnyside facility (formerly known as Simplot Soilbuilders) is an agricultural distribution facility that began at its current location in the early- to mid-1960s. It is a retail outlet for agri-chemicals (fertilizers, pesticides, soil amendments).

In 2008, when Ecology issued the Early Notice Letter, Simplot had an unlined equipment rinsate area, underlain by gravel, located on the northeastern edge of the site. Simplot had used this area until the 1990s to rinse fertilizer spray equipment, including mobile spray tanks. In December 2012, Simplot had the former rinsate area excavated and soils removed (HDR 2013a).

In 2011, Simplot removed the main warehouse, office building, fertilizer storage tank area, and associated containment systems, and replaced them with a new office and concrete basin containment structure. A maintenance shop also remains on site. **Figure 2** illustrates site conditions in 2016.



0 0.5 1 1.5
Miles

Figure 1: Vicinity Map

Simplot Grower Solutions, Sunnyside, WA

Imagery: 2009 NAIP 1 meter resolution
Source: NRCS/USDA Digitial Gateway

Map Date: Friday, May 18, 2012
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HDR | ONE COMPANY Many Solutions℠

Figure 2: Site Map
Simplot Grower Solutions, Sunnyside, WA

Imagery: March 27 2015 0.5 m resolution; Copyright Terraserver 2013 Yakima 0.5 ft, ESRI World Imagery Map Service; Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Map Date: Tuesday, July 07, 2015
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Table 1. Site Timeline Early Notice Letter to Present

Year	Date	Event
2008	October 1	Early Notice Letter from Ecology to Simplot.
2008	February 9	Simplot letter to Ecology indicating HDR has been hired and requesting a meeting.
2009	March 19	Simplot and Ecology meeting to discuss Volunteer Cleanup Program options.
2009	May	Simplot enters Volunteer Cleanup Program with Ecology.
2009	May	*Preliminary Site Investigation Work Plan* submitted to Ecology.
2009	July 7	Ecology opinion on Work Plan in letter to Simplot.
2009	September 23 and 24	Work plan field activities conducted including using a GeoProbe for sampling of soil and groundwater.
2009	December 17	*Preliminary Site Investigation Report* submitted to Ecology.
2010	June 4	Ecology response letter to the December 17, 2009 Preliminary Site Investigation Report.
2010	July	*Monitoring Well Construction and Sampling Work Plan* submitted to Ecology. Work plan included installation of five monitoring wells and quarterly sampling for one year.
2010	December	Ecology approval of work plan.
2011	March 15 and 16	Five groundwater monitoring wells installed.
2011	March 17	First quarter groundwater sampling.
2011	April	*Monitoring Well Construction and Sampling Report* submitted to Ecology.
2011	June 30	Second quarter groundwater sampling.
2011	September 15	Third quarter groundwater sampling.
2011	December 16	Fourth quarter groundwater sampling.
2012	May	*2011 Monitoring Well Sampling Report* submitted to Ecology
2012	May 24	Simplot and Ecology meeting in Yakima discuss monitoring results and next activities including need to assess off-site subsurface drains.
2012	June	Simplot coordinated with Sunnyside, WA, and SVID on drain system layout.
2012	July	*Source Removal, Drain Evaluation, Monitoring Well Construction and Sampling Work Plan* submitted to Ecology.
2012	September 12	HDR met with SVID and Sunnyside, WA, representatives to investigate drain system and manhole access near the Simplot property. These manholes are part of the drain evaluation described in the July 2012 Work Plan.
2012	November 20	HDR letter to Ecology regarding “Modification to Source Removal and Additional Investigation Work Plan, July 2012” – recommended installation of off-site monitoring wells prior to drain study.
2012	November	Two offsite and one onsite monitoring wells installed. MW-5 abandoned due to rinsate area excavation.
2012	December 4 and 5	Rinsate area excavation and new round of well sampling including newly installed monitoring wells.
2013	February	*Source Removal, Drain Evaluation, Monitoring Well Construction, and Sampling Report* submitted to Ecology.
2013	April	Supplemental drain evaluation conducted and monitoring wells sampled.
2013	July	Monitoring wells sampled.
2013	September	Supplemental Drain Evaluation and Monitoring Well Sampling Report submitted to Ecology. Report recommended meeting with Ecology to discuss next steps in project.
2013	October	Groundwater sampling, report submitted to Ecology.
2014	October	Groundwater sampling, report submitted to Ecology.
2015	April	Groundwater sampling, report submitted to Ecology.
2015	October	Groundwater sampling, report submitted to Ecology.
2016	April	Groundwater sampling, report submitted to Ecology.
2016	October	Groundwater sampling, report submitted to Ecology.
2017	May	Groundwater sampling, report submitted to Ecology.
2017	December	Groundwater sampling, report submitted to Ecology.

Table 1. Site Timeline Early Notice Letter to Present

Year	Date	Event
2018	April/June	Groundwater sampling, report submitted to Ecology (this report).

SVID=Sunnyside Valley Irrigation District; HDR=HDR, Inc.

2 April 2018 Monitoring Well Sampling

HDR sampled Simplot's groundwater monitoring wells on March 18 and April 25, 2018, following field sampling activities described in the *Standard Operating Procedure for Groundwater Sampling* that was included in Appendix A of the work plan (HDR 2012a). The April 25 sampling event was due to the March event's cooler getting lost during shipping to the lab, resulting in sample temperatures being too high. Additionally, after receiving an unexpectedly high result for MW-7 in April, HDR re-sampled only MW-7 on June 20, 2018. Monitoring well field sampling forms and laboratory results are presented in **Appendix A** of this report.

Sampling activities included the following:

- Purging wells with a disposable bailer.
- Measuring and recording field pH, conductivity, and temperature during purging.
- Collecting groundwater samples following static water measurements once field parameters were stable (three consecutive measurements within 10 percent) or when at least three well bore volumes had been purged.
- Preserving sample bottles according to analyses to be performed as summarized in **Table 2**.
- Shipping samples to Pace Analytical in Minneapolis, Minnesota.

Table 2. Analyses Conducted on Groundwater Samples in March and April 2018

Analytical Parameter	Method	Preservative	Holding Times
Volatile Organic Compounds (VOCs)	USEPA 8260C	4°C, pH < 2 with HCl	14 days
RCRA Metals[1] (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver)	USEPA 6010C	4°C	6 months 28 days for mercury (Hg)
Nitrate+Nitrite=Nitrogen	USEPA 353.2 or USEPA 300.0	4°C, pH < 2 H_2SO_4	28 days
Ammonia-Nitrogen	SM20 4500 NH3 D or 350.1	4°C, pH < 2 H_2SO_4	28 days

[1] Resource Conservation and Recovery Act (RCRA) metals
USEPA=U.S. Environmental Protection Agency

Table 3 summarizes quality assurance/quality control (QA/QC) field samples HDR collected.

Table 3. Quality Assurance and Quality Control Field Samples

QA/QC Type	Number of Samples	Description
Duplicate	1 groundwater sample per event	Duplicate is collected using the same sampling technique as the original sample.
Trip Blank	1 trip blank per event	Water sample in sample bottle provided by laboratory and accompanies sample bottles.
Field Blank	1 water blank sample per event	Pour distilled water directly into appropriate sample bottles.

Pace Analytical followed appropriate laboratory QA/QC procedures as dictated by the U.S. Environmental Protection Agency (USEPA) method and the laboratory's standard operating

procedures (SOPs). A data validation report for the April 2018 sampling event is presented in **Appendix B**.

2.1 Groundwater Elevation and Flow Direction

Depth to groundwater at each monitoring well in April 2018 is presented in **Table 4**. Depth to water at MW-7 in June 2018 is also presented in **Table 4.**

Table 4. Depth to Groundwater and Groundwater Elevations for April 25, 2018

Well	Reference Elevation[1]	Measured Depth to Water	Groundwater Elevation
	(feet)		
April 25, 2018			
MW-1	745.76	9.03	736.73
MW-2	745.34	9.48	735.86
MW-3	745.58	11.11	734.47
MW-4	744.95	11.00	733.95
MW-5R	745.41	11.06	734.35
MW-6	743.46	12.76	730.70
MW-7	743.06	12.59	730.47
June 20, 2018			
MW-7	743.06	12.71	730.35

[1] Top of casing elevation surveyed by Permit Surveying, Inc.

Figure 3 illustrates groundwater elevation contours for April 2018. The calculated shallow groundwater flow direction is to the southeast (approximately 101.5 degrees from north) at a gradient of 0.026 feet per foot (ft/ft). Based on the observed groundwater flow, the following wells are deemed up, down, or cross-gradient as follows:

- MW-1 – upgradient well
- MW-2 – upgradient well
- MW-3 –side or downgradient well
- MW-4 - downgradient well
- MW-5R – downgradient well
- MW-6 – downgradient well
- MW-7 – downgradient well

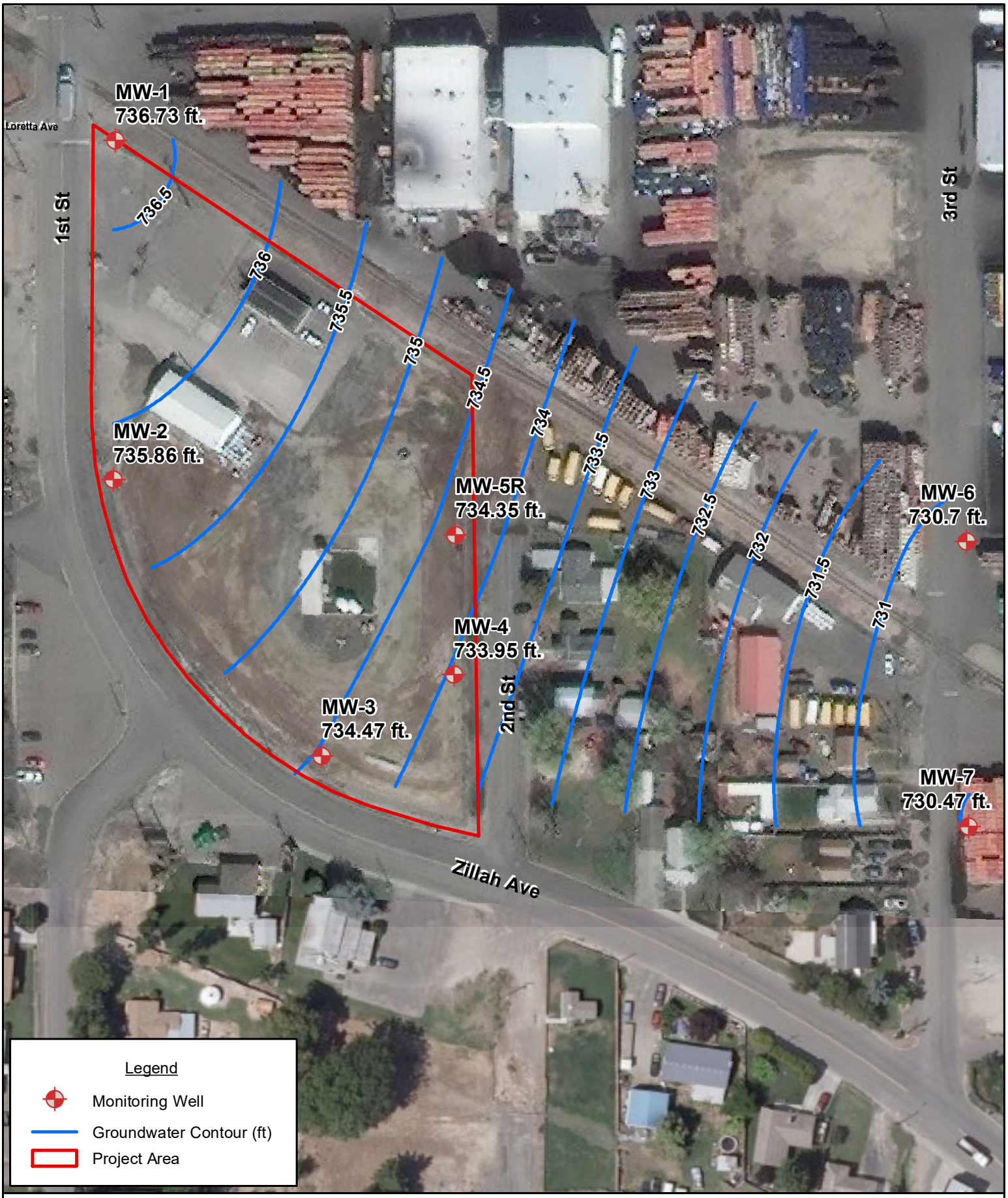

Figure 3: April 2018 Groundwater Isopleths
Simplot Grower Solutions, Sunnyside, WA

Imagery: March 27 2015 0.5 m resolution; Copyright Terraserver
2013 Yakima 0.5 ft, ESRI World Imagery Map Service; Esri, DigitalGlobe,
GeoEye, i-cubed, USDA, USGS, AEX, Getmapping,
Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Map Date: Wednesday, January 24, 2018
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2.2 Groundwater Quality Sampling

Table 5 summarizes the compounds detected in groundwater during the course of monitoring well sampling at the site since 2011. Values highlighted in gray represent a constituent that exceeds one or all of the following:

- Federal Maximum Contaminant Level (MCL)
- State MCL (groundwater quality standard)
- Models Toxic Control Act (MTCA) Method A Table Value
- MTCA Method B Carcinogen
- MTCA Method B Non-Carcinogen

Table 5 only presents constituents detected above the laboratory reported detection limit.

Table 5. Summary of Compounds Detected in Groundwater

Detected Compounds (mg/L)	3/17/2011	6/30/2011	9/15/2011	12/16/2011	12/5/2012	4/4/2013	7/24/2013	10/9/2013	10/28/2014	4/29/2015	10/14/2015	4/19/2016	10/31/2016	5/3/2017	12/28/2017	4/25/2018
MW-1																
Sulfate	NA	NA	NA	NA	NA	140	130	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ammonia-Nitrogen	0.52	0.77	0.49	0.66	0.16	0.17	0.18	0.14	<0.25	<0.25	0.0414	0.075	0.124	0.112	<0.100	<0.10
Nitrate-Nitrite	8.3	7.8	6.4	5.6	7.5	5.5	5.9	5.1	6.2	4.1	5.78	7.6	1.8	11.5	5.71	7.2
Arsenic (dissolved)	<0.020	0.049	0.038	0.036	0.034	0.037	<0.020	0.04	0.043	0.03	0.0478	0.0418	0.0423	0.0402	0.0473	0.0861
Barium (dissolved)	0.065	0.12	0.053	0.034	0.09	0.04	0.057	0.051	0.064	0.057	0.0554	0.0512	0.0681	0.0721	0.0524	1.49
Cadmium (dissolved)	<0.0050	0.0055	<0.0050	<0.0050	<0.0050	<0.0050	0.0058	<0.0050	<0.0050	0.0015	<0.0050	<0.0050	<0.0050	<0.0020	<0.00200	0.0011
Lead (dissolved)	0.011	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.020	<0.020	<0.020	0.00455	<0.020	<0.020	<0.0050	<0.00500	0.0438
Selenium (dissolved)	<0.020	0.038	<0.020	<0.020	<0.020	<0.020	0.02	<0.020	<0.020	0.0088	0.00902	<0.020	<0.020	0.00924	0.00841	0.0116
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00068
Trichloroethene	0.0033	<0.0010	<0.0010	<0.0010	<0.0010	<0.001	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00100	<0.00040
Residual Range Organics	<0.32	<0.25	0.44	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	NA	NA	NA	NA	NA	NA
Diesel Range Organics	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.045	NA	NA	NA	NA	NA	NA
Benzo (a) anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.90E-06	NA	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000027	<0.0010	<0.00100	<0.00100	<0.00500	<0.00500	<0.004
1-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.50E-06	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000012	NA	NA	NA	NA	NA	NA
MW-2																
Sulfate	NA	NA	NA	NA	NA	290	340	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ammonia-Nitrogen	0.17	<0.10	0.22	0.18	<0.10	<0.10	0.1	0.077	<0.25	<0.25	<0.25	0.063	<0.25	0.12	<0.100	<0.10
Nitrate-Nitrite	7.1	5.8	6.2	5.1	3.4	2.5	2.6	2.8	2.2	2.2	2.6	2.81	2.98	3.4	3.28	3.5
Arsenic (dissolved)	0.058	0.081	0.11	0.083	0.06	0.067	0.029	0.064	0.06	0.047	0.053	0.0505	0.0551	0.0543	0.0618	0.0659
Barium (dissolved)	0.037	0.091	0.049	0.037	0.053	0.056	0.064	0.061	0.07	0.082	0.089	0.0606	0.06	0.0495	0.0378	0.181
Cadmium (dissolved)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0053	<0.0050	<0.0050	0.0012	<0.0050	<0.0050	<0.0050	0.002	<0.0020	0.00011
Chromium, (dissolved)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0086
Lead (dissolved)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0062
Selenium (dissolved)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0033
Trichloroethene	0.0016	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Diesel Range Organics (DRO)	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.049	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.40E-06	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.10E-06	NA	NA	NA	NA	NA	NA
MW-3																
Sulfate	NA	NA	NA	NA	NA	590	630	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ammonia-Nitrogen	0.15	<0.10	<0.10	<0.10	<0.10	<0.10	0.11	0.086	<0.25	<0.25	0.0853	0.058	<0.25	0.047	<0.100	<0.10
Nitrate-Nitrite	7	8.5	11	9.3	11	12	18	7.7	16	16	14.9	12.1	10.1	10.4	7.49	6.7
Arsenic (dissolved)	0.027	0.062	0.038	0.062	0.036	0.05	<0.020	0.039	0.046	0.026	0.0554	0.0521	0.052	0.0598	0.057	0.0916
Barium (dissolved)	0.072	0.053	0.046	0.038	0.046	0.043	0.046	0.044	0.045	0.044	0.242	0.0344	0.0382	0.0342	0.0324	1.03
Cadmium (dissolved)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0004

Table 5. Summary of Compounds Detected in Groundwater

Detected Compounds (mg/L)	3/17/2011	6/30/2011	9/15/2011	12/16/2011	12/5/2012	4/4/2013	7/24/2013	10/9/2013	10/28/2014	4/29/2015	10/14/2015	4/19/2016	10/31/2016	5/3/2017	12/28/2017	4/25/2018
Chromium, (dissolved)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00694	<0.0100	0.00148	<0.0100	<0.0100	0.0592
Lead (dissolved)	0.027	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.016	<0.0050	<0.0050	<0.0050	<0.0050	0.0356
Selenium (dissolved)	0.036	0.095	<0.020	0.021	0.034	0.04	0.065	0.038	0.034	0.031	0.0358	0.0273	0.0259	0.0262	0.0201	0.0231
Trichloroethene	0.001	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0004
Diesel Range Organics (DRO)	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.17	NA	NA	NA	NA	NA	NA
Residual Range Organics (RRO)	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.11	NA	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000027	<0.0010	<0.0010	NA	<0.0050	<0.0050	0.004
MW-4																
Sulfate	NA	NA	NA	NA	NA	140	120	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ammonia-Nitrogen	0.24	<0.10	0.11	0.4	<0.10	<0.10	0.11	0.074	<0.25	<0.25	<0.25	0.048	<0.25	0.039	<0.100	0.1
Nitrate-Nitrite	14	9.6	8.4	7.8	79	6.7	5.1	4.8	6.6	6.2	9.66	11.1	123 (48.4)[1]	74	28.5	38
Arsenic (dissolved)	<0.020	0.04	0.028	0.031	0.024	0.024	<0.020	0.027	0.032	0.017	0.0302	0.0251	0.0356	0.0315	0.0273	0.0477
Barium (dissolved)	0.054	0.043	0.11	0.041	0.13	0.038	0.039	0.04	0.049	0.055	0.043	0.0362	0.0974	0.0386	0.0436	0.586
Cadmium (dissolved)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0064	<0.0050	<0.0050	0.00081	<0.0050	<0.0050	<0.0050	<0.0020	<0.0020	0.00032
Chromium (dissolved)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0324
Lead (dissolved)	0.012	<0.0050	0.0062	<0.0050	<0.0050	<0.005	<0.0050	<0.0050	<0.0050	<0.0050	0.00541	<0.0050	<0.0050	<0.0050	<0.0050	0.0234
Selenium (dissolved)	<0.020	0.039	<0.020	<0.020	<0.020	<0.020	0.023	<0.020	<0.020	<0.020	<0.020	<0.020	0.0289	0.0128	0.0089	0.0074
1,2-Dichloropropane	0.014	0.016	0.0056	0.004	0.065	0.0054	0.005	0.0046	0.0063	0.0063	0.00689	0.00752	0.0603	0.0492	0.0428	0.0686
Benzo(a)anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.80E-06	NA	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000049	NA	NA	NA	<0.0050	<0.0050	<0.0040
MW-5																
Ammonia-Nitrogen	860	480	850	370	Well abandoned (November-2012) due to excavation											
Nitrate-Nitrite	530	200	310	290												
Arsenic (dissolved)	0.074	0.18	0.16	0.23												
Barium (dissolved)	0.12	0.04	0.038	0.054												
Cadmium (dissolved)	<0.0050	0.0061	<0.0050	<0.0050												
Lead (dissolved)	0.0074	<0.0050	<0.0050	<0.0050												
Gasoline Range Organics	1.5	1.5	0.86	1.8												
Acrolein	<0.25	<0.25	<0.050	0.068												
Benzene	0.18	0.16	0.077	0.14												
Chlorobenzene	0.0056	0.0055	0.0035	0.0042												
2-Chlorotoluene	<0.0050	<0.0050	<0.0010	0.003												
1,2-Dichloroethane	0.18	0.11	0.082	0.18												
1,2-Dichloropropane	0.012	0.0091	0.0052	0.0093												
Ethylbenzene	<0.0050	<0.0050	0.0011	0.0011												
Isopropylbenzene	<0.0050	<0.0050	0.0024	0.0032												
n-Propylbenzene	0.0068	0.0072	0.005	0.0071												
1,2,4-Trimethylbenzene	0.082	0.068	0.048	0.084												

Table 5. Summary of Compounds Detected in Groundwater

Detected Compounds (mg/L)	3/17/2011	6/30/2011	9/15/2011	12/16/2011	12/5/2012	4/4/2013	7/24/2013	10/9/2013	10/28/2014	4/29/2015	10/14/2015	4/19/2016	10/31/2016	5/3/2017	12/28/2017	4/25/2018
1,2,3-Trimethylbenzene	0.024	0.02	0.012	0.021												
1,3,5-Trimethylbenzene	0.024	0.021	0.015	0.024												
Xylenes, Total	0.25	0.2	0.14	0.2												
Diesel Range Organics	1.5	1.4	0.61	2												
Residual Range Organics	<0.32	<0.25	<0.25	0.26												
Fluorene	<0.000050	<0.000050	<0.00005	0.000055												
Naphthalene	0.026	0.016	0.017	0.028												
Phenanthrene	<0.000050	<0.000050	<0.000050	0.00026												
Pyrene	<0.000050	<0.000050	<0.000050	0.000053												
1-Methylnaphthalene	0.0044	0.003	0.0026	0.0039												
2-Methylnaphthalene	0.0061	0.004	0.0034	0.0048												
2,4-D	<0.0020	<0.0020	0.03	0.036												
Dinoseb	0.0088	0.0094	0.0098	<0.010												
MW-5R																
Sulfate	Well installed November 2012				NA	350	340	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ammonia-Nitrogen					0.17	0.1	0.1	<0.10	<0.25	<0.25	<0.25	0.059	<0.25	0.058	<0.100	<0.10
Nitrate-Nitrite					35	30	51	51	33	22	21	18.4	22	24.8	21.1	16.8
Arsenic (dissolved)					0.05	0.066	0.027	0.064	0.081	0.068	0.0869	0.0781	0.0809	0.0759	0.0783	0.0956
Barium (dissolved)					0.054	0.035	0.04	0.035	0.036	0.031	0.107	0.0325	0.0396	0.0352	0.0361	0.493
Cadmium (dissolved)					<0.0050	<0.0050	0.0067	<0.0050	<0.0050	0.0028	0.000867	0.00147	<0.0050	0.00148	0.00129	0.0011
Chromium, (dissolved)					NA	NA	NA	NA	NA	NA	0.00338	<0.0100	<0.0100	0.0015	<0.0100	0.0264
Lead (dissolved)					<0.0050	<0.0050	0.0053	<0.0050	<0.0050	<0.0050	0.0128	<0.0050	<0.0050	<0.0050	0.00773	0.0212
Selenium (dissolved)					<0.020	<0.020	0.028	0.022	<0.020	0.012	0.0098	<0.00140	<0.00140	<0.0100	<0.0100	0.0109
1,2-Dichloroethane					0.0051	0.0045	0.004	0.0056	0.0044	0.0031	0.0028	0.0028	0.003	0.00374	0.00248	0.0032
Diesel Range Organics (DRO)					NA	NA	NA	NA	NA	0.054	NA	NA	NA	NA	NA	NA
Naphthalene					NA	NA	NA	NA	NA	0.00003	<0.00100	<0.00100	<0.00100	<0.00500	<0.00500	<0.0040
MW-6																
Sulfate	Well installed November 2012				NA	36	37	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ammonia-Nitrogen					<0.10	0.13	<0.10	0.12	<0.25	<0.25	0.0517	0.056	<0.25	0.057	<0.100	<0.10
Nitrate-Nitrite					2.7	2.9	2.9	2.5	2.8	2.3	3.4	3.42	3.07	3.7	3.19	3.2
Arsenic (dissolved)					<0.020	<0.020	<0.020	<0.020	0.023	0.0088	0.0208	0.0158	0.0197	0.017	0.0162	0.0295
Barium (dissolved)					0.11	0.062	0.07	0.064	0.065	0.066	0.115	0.0657	0.0695	0.0655	0.0661	0.502
Cadmium (dissolved)					<0.0050	<0.0050	0.0083	<0.0050	<0.0050	0.00073	<0.0050	<0.0050	<0.0050	<0.0020	<0.0020	0.00044
Chromium,(dissolved)					NA	NA	NA	NA	NA	NA	0.00702	0.00378	0.00393	0.00419	0.00311	0.033
Lead (dissolved)					<0.0050	<0.0050	0.0064	<0.0050	<0.0050	0.0028	0.0117	<0.0050	<0.0050	<0.0050	<0.0050	0.0179
Selenium (dissolved)					NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0035
Diesel Range Organics (DRO)					NA	NA	NA	NA	NA	0.039	NA	NA	NA	NA	NA	NA

Table 5. Summary of Compounds Detected in Groundwater

Detected Compounds (mg/L)	3/17/2011	6/30/2011	9/15/2011	12/16/2011	12/5/2012	4/4/2013	7/24/2013	10/9/2013	10/28/2014	4/29/2015	10/14/2015	4/19/2016	10/31/2016	5/3/2017	12/28/2017	4/25/2018
Naphthalene					NA	NA	NA	NA	NA	0.000079	<0.00100	<0.00100	<0.00100	<0.0050	<0.0050	<0.0040
MW-7																
Sulfate	Well installed November 2012				NA	35	35	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ammonia-Nitrogen					<0.10	0.12	0.16	<0.10	<0.25	<0.25	<0.25	0.063	<0.25	0.054	<0.100	<0.10 (<0.10)[2]
Nitrate-Nitrite					2.4	2.5	1.9	2.5	2.2	2.3	2.97	2.81	2.5	3.06	2.62	15.7 (2.4)[2]
Arsenic (dissolved)					NA	NA	NA	NA	NA	NA	0.0137	0.0136	0.0103	0.012	0.0141	0.0618 (0.0098)[2]
Barium (dissolved)					0.12	0.068	0.098	0.074	0.066	0.074	0.0741	0.0726	0.0738	0.0719	0.0707	2.19 (0.069)[2]
Cadmium (dissolved)					<0.0050	<0.0050	0.0077	<0.0050	<0.0050	0.00076	<0.0050	<0.0050	<0.0050	<0.0020	<0.0020	0.0017 (<0.00008)[2]
Chromium (dissolved)					NA	NA	NA	NA	NA	0.0029	0.00316	0.00325	0.00362	0.00348	0.00273	0.131 (0.003)[2]
Lead (dissolved)					NA	NA	NA	NA	NA	0.0074	0.0074	<0.0050	<0.0050	<0.0050	<0.0050	0.0531 (0.00015)[2]
Selenium (dissolved)					NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0151 (0.0017)[2]
Naphthalene					NA	NA	NA	NA	NA	0.00057	<0.00100	<0.00100	<0.00100	<0.0050	<0.0050	<0.0040 (<0.0040)[2]
Phenanthrene					NA	NA	NA	NA	NA	0.000012	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene					NA	NA	NA	NA	NA	0.000018	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene					NA	NA	NA	NA	NA	0.000028	NA	NA	NA	NA	NA	NA

Notes:
Table shows compounds that were above detection limit at some time during 15 sampling events.
Gray shade = exceeds federal maximum contaminant level, state maximum contaminant level, and/or Models Toxic Control Act thresholds (see Appendix C for listing).
mg/L = milligrams per liter; NA = Constituent not analyzed during this sampling event.
[1] MW-4 was resampled November 15, 2016.
[2] MW-7 was resampled June 20, 2018 due the unexpected high nitrate-N concentration

Post plots of nitrate-nitrite and ammonium-nitrogen for the April 2018 sampling event (and June 2018 for MW-7) are shown in **Figure 4**. Nitrate-N exceeds the state and federal MCL of 10 milligrams per liter (mg/L) for on-site wells MW-4 (38 mg/L) and MW-5R (16.8 mg/L). Nitrate-N did not exceed the MCL for the three upgradient wells MW-1 (7.2 mg/L), MW-2 (3.5 mg/L), and MW-3 (6.7 mg/L), nor for the two off-site downgradient wells (MW-6 = 3.2 mg/L and MW-7 = 2.4). The two off-site wells are screened at the vadose zone/groundwater interface at similar depths to the on-site wells (HDR 2012b).

Nitrate concentrations for MW-7 during the April 2018 sampling event, exceeded the MCL (15.7 mg/L). This value was high compared to previous sampling events from this well. Therefore, HDR resampled MW-7 in June 2018, and the result (2.4 mg/L) indicates that the April 2018 MW-7 result might be unreliable. Thus, the June 2018 data is used for MW-7 in this report.

Regulatory groundwater standards for selected constituents are presented in **Appendix C**. **Table 6** summarizes those compounds whose standards were exceeded in the April 2018 groundwater samples.

Table 6. Compounds in Groundwater Exceeding Standards in April 2018

Compound	Comparison Value(s) Exceeded[1]	By Well(s)
1,2-Dichloroethane	MTCA Method B Carcinogen	MW-5R
1,2-Dichloropropane	Federal MCL State MCL	MW-4
Arsenic	Federal MCL State MCL MTCA Method A Table Value MTCA Method B Carcinogen MTCA Method B Non-Carcinogen	MW-1 MW-2 MW-3 MW-4 MW-5R MW-6
Arsenic	MTCA Method A Table Value MTCA Method B Carcinogen MTCA Method B Non-Carcinogen	MW-7
Lead	Federal MCL State MCL MTCA Method A Table Value	MW-1 MW-3 MW-4 MW-5R MW-6
Nitrate-Nitrite	Federal MCL State MCL	MW-4 MW-5R

[1] See Appendix C for listing
MTCA= Models Toxic Control Act; MCL=maximum contaminant level

Figure 4: April 2018 Post Plot
Nitrates and Ammonia
Simplot Grower Solutions, Sunnyside, WA

Imagery: March 27 2015 0.5 m resolution; Copyright Terraserver 2013 Yakima 0.5 ft, ESRI World Imagery Map Service; Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Map Date: Wednesday, June 6, 2018
Q:\Simplot\Sunnyside\map_docs\SiteMap.mxd

2.3 Discussion

In 2012, Simplot directed the source removal at the former rinse area and the installation of off-site, downgradient monitoring wells with the goal of assessing the extent of off-site nitrate migration. Because of the presence of subsurface drains in the area, Simplot also contracted HDR to investigate and assess the potential for downgradient groundwater to enter the drain system. These activities are described in *Source Removal, Drain Evaluation, Monitoring Well Construction, and Sampling Report* (HDR 2013a). As a follow-up to these activities, on behalf of Simplot, HDR took flow measurements and sampled the drain system in April 2013 and also conducted groundwater sampling in April 2013, July 2013, October 2013, October 2014, April 2015, October 2015, April 2016, October 2016, May 2017, December 2017, and April 2018.

With exception to MW-7, the April 2018 groundwater sampling event is generally consistent with the December 2012; April, July, and October 2013; October 2014; April and October 2015; April and October 2016; and May and December 2017 sampling events. Downgradient well MW-7 jumped from 2.62 mg/L nitrate-N in the December 2017 sampling event to 15.7 mg/L nitrate-N during the April 2018 sampling event. However, when re-sampled in June 2018, MW-7 nitrate concentration results were down similar to the December 2017 results. Nitrate concentrations in April 2018 at the other off-site downgradient monitoring well (MW-6) were low (3.2 mg/L) when compared to on-site source area wells (MW-1 was 7.2 mg/L, MW-2 was 3.5 mg/L, MW-3 was 6.7 mg/L, MW-4 was 38 mg/L, and MW-5R was 16.8 mg/L). In addition, during the April 2018 sampling event, levels of dissolved barium and lead tended to be higher compared to past sampling events (e.g., for MW-1, dissolved barium in April 2018 was 0.181 mg/L compared to 0.0378 for December 2017 while dissolved lead was 0.0356 mg/L in April 2018 compared to <0.005 in December 2017).

2.3.1 Nitrate-N Trends in Individual Wells

Table 7 summarizes nitrate-N concentrations for each well over the sampling period. Using ProUCL software, HDR ran the Mann-Kendall Trend Test Analysis for nitrate concentrations in each well. Trend plots are presented in **Figure 5**. Results for the statistical trend analysis for nitrate-N are as follows (see bottom row in **Table 7**):

- Downgradient well MW-5R shows a decreasing trend
- Downgradient well MW-6 shows an increasing trend but remains below 4 mg/L nitrate-N.
- Upgradient wells MW-1, MW-2, and MW-3 (side to downgradient) and downgradient wells MW-4 and MW-7 show no statistically significant trend

Table 7. Nitrate-N Concentrations Over Time and Trend Analysis

Sampling Date	MW-1	MW-2	MW-3	MW-4	MW-5R	MW-6	MW-7
	milligrams per liter (mg/L)						
3/17/2011	8.3	7.1	7.0	14			
6/30/2011	7.8	5.8	8.5	9.6			
9/15/2011	6.4	6.2	11	8.4			
12/16/2011	5.6	5.1	9.3	7.8			
12/5/2012	7.5	3.4	11	79	35	2.7	2.4
4/4/2013	5.5	2.5	12	6.7	30	2.9	2.5

Table 7. Nitrate-N Concentrations Over Time and Trend Analysis

Sampling Date	MW-1	MW-2	MW-3	MW-4	MW-5R	MW-6	MW-7
	milligrams per liter (mg/L)						
7/24/2013	5.9	2.6	18	5.1	51	2.9	1.9
10/9/2013	5.1	2.8	7.7	4.8	51	2.5	2.5
10/28/2014	6.2	2.2	16	6.6	33	2.8	2.2
4/29/2015	4.1	2.2	16	6.2	22	2.3	2.3
10/14/2015	5.8	2.6	15	9.7	21	3.4	3.0
4/19/2016	7.6	2.8	12	11	18	3.4	2.8
10/31/2016	1.8	3.0	10	48	22	3.1	2.5
5/3/2017	12	3.4	10	74	25	3.7	3.1
12/28/2017	5.7	3.3	7.5	29	21	3.2	2.6
4/25/2018	7.2	3.5	6.7	38	17	3.2	2.4
Trend Analysis[1]	No trend	No trend	No trend	No trend	Decreasing	Increasing	No Trend

[1]Mann-Kendall Trend Analysis, level of significance 0.05.

While the Mann-Kendall test reveals a decreasing trend in MW-5R and an increasing trend in MW-6, the trend plots provide additional information on overall trends in each well:

- MW-1 (upgradient well) – shows a slightly decreasing nitrate-N concentration trend, though the nitrate-N concentrations have been highly variable the last five sampling events (7.6 mg/L in April 2016 to 1.8 mg/L in October 2016 to 11.5 mg/L in May 2017 to 5.71 mg/L in December 2017 to 7.2 mg/L in April 2018).
- MW-2 (upgradient well) – shows a decreasing trend from 2001 through 2013 and then a slight increasing trend in recent years (though below 10 mg/L nitrate-N).
- MW-3 (side-gradient well) – shows high variability in nitrate concentrations over time. The past eight sampling events show a decreasing trend in nitrate-N concentration (concentrations have been above 10 mg/L since 2014, but dropped below 10 mg/L in December 2017).
- MW-4 (downgradient well) – shows high nitrate-N concentration variability between sampling events. For example, in December 2012, the measured nitrate-N concentration was 79 mg/L, then dropped to a low of 4.8 mg/L in October 2013, increased to 74 mg/L in May 2017, and dropped to 28.5 mg/L in December 2017.
- MW-5R (downgradient well) – was constructed following source area removal in 2012. Nitrate-N in this well has shown a decreasing trend since 2014, though nitrate-N concentrations remain above 10 mg/L.
- MW-6 and MW-7 (downgradient and off-site wells) – show nearly identical nitrate-N concentrations and have been below 10 mg/L with an average nitrate-N concentration of 2.8 mg/L in December 2017. While nitrate concentrations in MW-7 during the April 2018 sampling event rose above 10 mg/L (15.7 mg/L), those concentrations were down to 2.4 mg/L when MW-7 was sampled again in June 2018. Therefore, the April MW-7 data is considered suspect and the June data is used in this report.

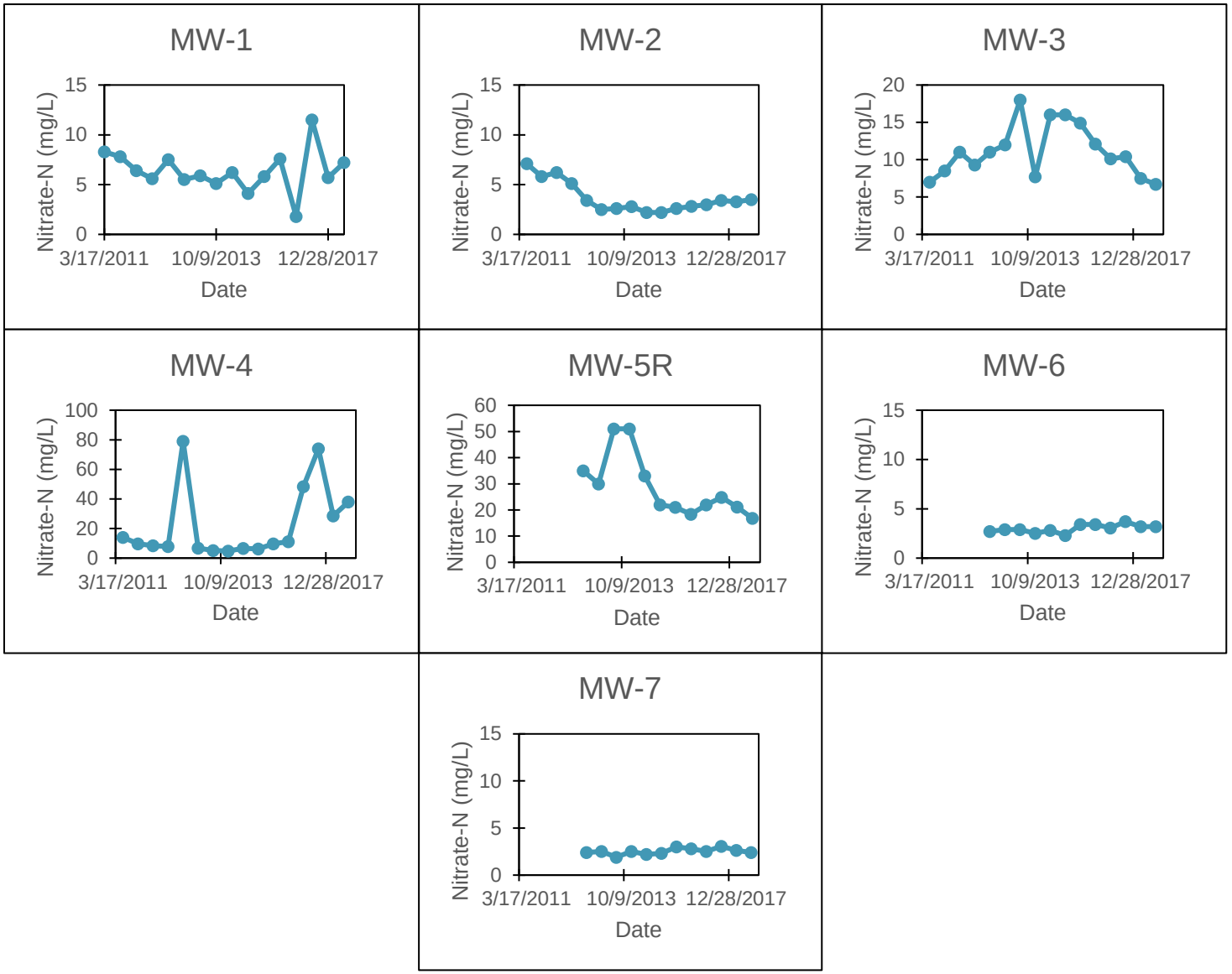

Figure 5. Trend Plots for Nitrate-N in Groundwater Monitoring Wells

3 Recommendations

Simplot conducted soil removal in 2012 at the former rinse area. They have implemented site control measures where any fertilizers stored on site are in containment areas or under roof. Furthermore, off-site downgradient wells MW-6 and MW-7 are not elevated in nitrate-N compared to on-site wells. For the remainder of 2018, HDR recommends that Simplot continue to sample groundwater in the late fall and continue assessing trends. With the removal of the rinse area soil, it is anticipated that concentrations of nitrate-N will decline over time.

4 References

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Groundwater Sampling Field Forms and Laboratory Report, April 2018

Groundwater Sampling Information

Sample ID: MW-1		**Date: 4/25/2018**	
Project: Simplot Grower Solutions		Project No: 10101457 (previously 10017631)	
Location: Sunnyside WA			
Depth to Water: 9.03		Measuring Point: TPVC	
Well Depth: 19.34’	Water Ht.: 10.31	Measuring Point: TPVC	
Casing Diameter: 2 inch	Factor: 1 inch = 0.04	2 inch = 0.16	3 inch = 0.66
One Casing Volume (gallons): 1.650		Three Casing Volumes (gallons): 4.95	
Sampling Method: Disposable Bailer			
Sampling Equipment: New disposable bailers and new line			
Pump: NA		Pump Intake: NA	
Decontamination: None required			

Time	pH (SI units)	Temperature (degrees C)	Conductivity (ms)	Clarity	Cumulative Volume Purged (gallons)
0.	----------	----------	----------	----------	0
1. 1108	5.95	15.04	0.738	Cloudy	0.5
2. 1110	6.47	14.41	0.706	v. cloudy	1
3. 1111	6.77	14.33	0.710	v. cloudy	1.5
4. 1112	6.87	14.24	0.730	v. cloudy	2
5. 1113	7.00	14.27	0.744	v. cloudy	2.5
6. 1114	7.16	14.27	0.758	v. cloudy	3
7. 1115	7.25	14.30	0.780	v. cloudy	3.5
8. 1116	7.24	14.29	0.784	v. cloudy	4
9. 1118	7.47	14.36	0.811	v. cloudy	4.5
10. 1119	7.28	14.35	0.776	v. cloudy	5

Sample Time: 1120	Appearance/Odor: no odor, very cloudy
Analytical Laboratory: ESC in Mt. Juliet TN	
Chemical Analyses: VOCs (8260B)	
NO2, NO3; NH3	
8 RCRA Metal (dissolved)	
Duplicate: N/A	MS/MD: N/A
Comments:	
Signature: Alyssa Chase	Company: HDR

Groundwater Sampling Information

Sample ID: MW-2			**Date: 4/25/2018**		
Project: Simplot Grower Solutions			Project No: 10101457 (previously 10017631)		
Location: Sunnyside WA					
Depth to Water: 9.48			Measuring Point: TPVC		
Well Depth: 17.73’	Water Ht.: 8.25		Measuring Point: TPVC		
Casing Diameter: 2 inch	Factor: 1 inch = 0.04		2 inch = 0.16	3 inch = 0.66	
One Casing Volume (gallons): 1.32			Three Casing Volumes (gallons): 3.96		
Sampling Method: Disposable Bailer					
Sampling Equipment: New disposable bailers and new line					
Pump: NA			Pump Intake: NA		
Decontamination: None required					

Time	**pH (SI units)**	**Temperature (degrees C)**	**Conductivity (ms)**	**Clarity**	**Cumulative Volume Purged (gallons)**
0.	----------	----------	----------	----------	0
1. 1028	5.17	13.27	1.124	v. cloudy	0.5
2. 1031	5.98	13.01	1.125	v. cloudy	1
3. 1032	6.50	13.30	1.101	Cloudy	1.5
4. 1034	6.78	13.25	1.050	Cloudy	2
5. 1036	7.00	13.40	1.017	Cloudy	2.5
6. 1037	6.96	13.40	1.034	Cloudy	3
7. 1039	7.18	13.42	1.044	Cloudy	3.5
8. 1040	7.37	13.23	1.094	Cloudy	4
9. 1041	7.41	13.34	1.008	Cloudy	4.5
10.	7.38	13.41	1.021	Cloudy	5

Sample Time: 1044	Appearance/Odor: cloudy, no odor
Analytical Laboratory: ESC in Mt. Juliet TN	
Chemical Analyses: VOCs (8260B)	
NO2, NO3; NH3	
8 RCRA Metal (dissolved)	
Duplicate: N/A	MS/MD: N/A
Comments: Calibrated hydrolab @ 1017	
Signature: Alyssa Chase	Company: HDR

Groundwater Sampling Information

Sample ID: MW-3			**Date: 4/25/2018**		
Project: Simplot Grower Solutions			Project No: 10101457 (previously 10017631)		
Location: Sunnyside WA					
Depth to Water: 11.11			Measuring Point: TPVC		
Well Depth: 23.07’	Water Ht.: 11.96		Measuring Point: TPVC		
Casing Diameter: 2 inch	Factor: 1 inch = 0.04		2 inch = 0.16	3 inch = 0.66	
One Casing Volume (gallons): 1.91			Three Casing Volumes (gallons): 5.74		
Sampling Method: Disposable Bailer					
Sampling Equipment: New disposable bailers and new line					
Pump: NA			Pump Intake: NA		
Decontamination: None required					

Time	**pH (SI units)**	**Temperature (degrees C)**	**Conductivity (ms)**	**Clarity**	**Cumulative Volume Purged (gallons)**
0.	----------	----------	----------	----------	0
1. 1145	5.06	15.09	2.43	Cloudy	1.5
2. 1146	6.73	14.78	2.39	Cloudy	2
3. 1147	6.95	14.98	2.36	Cloudy	2.5
4. 1149	7.33	14.84	2.36	Cloudy	3
5. 1150	7.32	15.01	2.37	Cloudy	3.5
6. 1152	7.27	15.06	2.33	Cloudy	4
7. 1154	7.53	15.09	1.91	Cloudy	4.5
8. 1155	7.49	14.92	2.34	Cloudy	5
9. 1156	7.35	14.88	2.35	Cloudy	5.5
10. 1158	7.42	14.97	2.36	Cloudy	6

Sample Time: 1200	Appearance/Odor: cloudy, no odor
Analytical Laboratory: ESC in Mt. Juliet TN	
Chemical Analyses: VOCs (8260B)	
NO2, NO3; NH3	
8 RCRA Metal (dissolved)	
Duplicate: N/A	MS/MD: N/A
Comments:	
Signature: Alyssa Chase	Company: HDR

Groundwater Sampling Information

Sample ID: MW-4			**Date: 4/25/2018**		
Project: Simplot Grower Solutions			Project No: 10101457 (previously 10017631)		
Location: Sunnyside WA					
Depth to Water: 11.00			Measuring Point: TPVC		
Well Depth: 22.71’	Water Ht.: 11.71		Measuring Point: TPVC		
Casing Diameter: 2 inch	Factor: 1 inch = 0.04		2 inch = 0.16	3 inch = 0.66	
One Casing Volume (gallons): 1.876			Three Casing Volumes (gallons): 5.62		
Sampling Method: Disposable Bailer					
Sampling Equipment: New disposable bailers and new line					
Pump: NA			Pump Intake: NA		
Decontamination: None required					

Time	**pH (SI units)**	**Temperature (degrees C)**	**Conductivity (ms)**	**Clarity**	**Cumulative Volume Purged (gallons)**
0.	----------	----------	----------	----------	0
1. 1228	7.01	14.63	1.466	v. cloudy	1.5
2. 1231	6.59	14.54	1.500	v. cloudy	2
3. 1233	6.74	14.26	1.51	v. cloudy	2.5
4. 1235	6.83	14.55	1.51	v. cloudy	3
5. 1237	7.00	14.42	1.59	v. cloudy	3.5
6. 1239	7.33	14.49	1.54	v. cloudy	4
7. 1241	7.30	14.25	1.56	v. cloudy	4.5
8. 1242	7.40	14.38	1.56	v. cloudy	5
9. 1243	7.45	14.39	1.57	v. cloudy	5.5
10. 1244	7.49	14.47	1.55	v. cloudy	6

Sample Time: 1245	Appearance/Odor: v. cloudy
Analytical Laboratory: ESC in Mt. Juliet TN	
Chemical Analyses: VOCs (8260B)	
NO2, NO3; NH3	
8 RCRA Metal (dissolved)	
Duplicate: N/A	MS/MD: N/A
Comments:	
Signature: Alyssa Chase	Company: HDR

Groundwater Sampling Information

Sample ID: MW-5R			**Date: 4/25/2018**		
Project: Simplot Grower Solutions			Project No: 10101457 (previously 10017631)		
Location: Sunnyside WA					
Depth to Water: 11.06			Measuring Point: TPVC		
Well Depth: 21.60'	Water Ht.: 10.54		Measuring Point: TPVC		
Casing Diameter: 2 inch	Factor: 1 inch = 0.04		2 inch = 0.16	3 inch = 0.66	
One Casing Volume (gallons): 1.686			Three Casing Volumes (gallons): 5.059		
Sampling Method: Disposable Bailer					
Sampling Equipment: New disposable bailers and new line					
Pump: NA			Pump Intake: NA		
Decontamination: None required					

Time	**pH (SI units)**	**Temperature (degrees C)**	**Conductivity (ms)**	**Clarity**	**Cumulative Volume Purged (gallons)**
0.	----------	----------	----------	----------	0
1. 1305	5.59	14.36	1.66	sl. Cloudy	1
2. 1307	6.20	14.01	1.59	Sl. Cloudy	1.5
3. 1309	6.45	13.77	1.60	Sl. Cloudy	2
4. 1310	6.61	13.75	1.54	Sl. Cloudy	2.5
5. 1311	6.79	13.66	1.62	Sl. Cloudy	3
6. 1312	6.94	13.64	1.58	Sl. Cloudy	3.5
7. 1313	7.16	13.88	1.55	Sl. Cloudy	4
8.1315	7.20	13.82	1.55	Sl. Cloudy	4.5
9.1316	7.25	13.80	1.60	Sl. Cloudy	5
10.1317	7.33	13.79	1.60	Sl. cloudy	5.5

Sample Time: 1319	Appearance/Odor: sl cloudy, no odor
Analytical Laboratory: ESC in Mt. Juliet TN	
Chemical Analyses: VOCs (8260B)	
NO2, NO3; NH3	
8 RCRA Metal (dissolved)	
Duplicate: MW-8 @ 0930	MS/MD: N/A
Comments: Field Blank @ 1328	
Signature: Alyssa Chase	Company: HDR

Groundwater Sampling Information

Sample ID: MW-6			**Date: 4/25/2018**		
Project: Simplot Grower Solutions			Project No: 10101457 (previously 10017631)		
Location: Sunnyside WA					
Depth to Water: 12.76			Measuring Point: TPVC		
Well Depth: 21.60’	Water Ht.: 8.84		Measuring Point: TPVC		
Casing Diameter: 2 inch	Factor: 1 inch = 0.04		2 inch = 0.16	3 inch = 0.66	
One Casing Volume (gallons): 1.4144			Three Casing Volumes (gallons): 4.24		
Sampling Method: Disposable Bailer					
Sampling Equipment: New disposable bailers and new line					
Pump: NA			Pump Intake: NA		
Decontamination: None required					

Time	**pH (SI units)**	**Temperature (degrees C)**	**Conductivity (ms)**	**Clarity**	**Cumulative Volume Purged (gallons)**
0.	----------	----------	----------	----------	0
1. 1426	5.34	16.05	0.476	Cloudy	0.5
2. 1427	5.83	15.48	0.446	v. cloudy	1
3. 1428	6.08	15.27	0.448	v. cloudy	1.5
4. 1430	6.49	15.20	0.450	v. cloudy	2
5. 1431	6.47	15.17	0.447	v. cloudy	2.5
6. 1432	6.34	15.19	0.445	v. cloudy	3
7. 1433	6.69	15.12	0.448	v. cloudy	3.5
8. 1434	6.96	15.16	0.444	v. cloudy	4
9. 1435	7.02	15.23	0.443	v. cloudy	4.5
10. 1436	6.82	15.20	0.446	v. cloudy	5
11. 1437	7.11	15.12	0.446	v. cloudy	5.5
12. 1438	7.10	15.12	0.446	v. cloudy	6

Sample Time: 1440	Appearance/Odor: v. cloudy, no odor
Analytical Laboratory: ESC in Mt. Juliet TN	
Chemical Analyses: VOCs (8260B)	
NO2, NO3; NH3	
8 RCRA Metal (dissolved)	
Duplicate: N/A	MS/MD: N/A
Comments: trip blank labeled at 1450	
Signature: Alyssa Chase	Company: HDR

Groundwater Sampling Information

Sample ID: MW-7			**Date: 4/25/2018**		
Project: Simplot Grower Solutions			Project No: 10101457 (previously 10017631)		
Location: Sunnyside WA					
Depth to Water: 12.59			Measuring Point: TPVC		
Well Depth: 24.45’	Water Ht.: 11.86		Measuring Point: TPVC		
Casing Diameter: 2 inch	Factor: 1 inch = 0.04		2 inch = 0.16	3 inch = 0.66	
One Casing Volume (gallons): 1.898			Three Casing Volumes (gallons): 5.69		
Sampling Method: Disposable Bailer					
Sampling Equipment: New disposable bailers and new line					
Pump: NA			Pump Intake: NA		
Decontamination: None required					

Time	**pH (SI units)**	**Temperature (degrees C)**	**Conductivity (ms)**	**Clarity**	**Cumulative Volume Purged (gallons)**
0.	----------	----------	----------	----------	0
1. 1348	5.81	16.47	0.434	Sl. Cloudy	1.5
2. 1350	6.44	16.35	0.405	Cloudy	2
3. 1351	6.62	16.24	0.403	Cloudy	2.5
4. 1353	6.63	16.35	0.404	Cloudy	3
5. 1354	6.69	16.29	0.405	Cloudy	3.5
6. 1355	7.01	16.40	0.397	Cloudy	4
7. 1356	6.98	16.30	0.398	Cloudy	4.5
8. 1357	7.05	16.31	0.403	Cloudy	5
9. 1400	7.09	16.29	0.401	Cloudy	5.5
10. 1403	7.27	16.89	0.400	Cloudy	6
11. 1404	7.19	16.24	0.401	cloudy	6.5

Sample Time: 1406		Appearance/Odor: cloudy, no odor
Analytical Laboratory: ESC in Mt. Juliet TN		
Chemical Analyses: VOCs (8260B)		
NO2, NO3; NH3		
8 RCRA Metal (dissolved)		
Duplicate: N/A		MS/MD: N/A
Comments:		
Signature: Alyssa Chase		Company: HDR

Pace Analytical Services, LLC
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May 04, 2018

Alyssa Chase
HDR Engineering
412 E Parkcenter Blvd
Suite 100
Boise, ID 83706

RE: Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

Dear Alyssa Chase:
Enclosed are the analytical results for sample(s) received by the laboratory on April 27, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Jennifer Gross
jennifer.gross@pacelabs.com
(206)957-2426
Project Manager

Enclosures

Pace Analytical Services, LLC
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CERTIFICATIONS

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

Minnesota Certification IDs

1700 Elm Street SE, Suite 200, Minneapolis, MN 55414-2485
A2LA Certification #: 2926.01
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014
Arkansas Certification #: 88-0680
California Certification #: 2929
CNMI Saipan Certification #:MP0003
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605
Georgia Certification #: 959
Guam EPA Certification #: MN00064
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: 03086
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064
Maryland Certification #: 322
Massachusetts Certification #: M-MN064
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: MN00064
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081
New Jersey Certification #: MN002
New York Certification #: 11647
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon NwTPH Certification #: MN300001
Oregon Secondary Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Virginia Certification #: 460163
Washington Certification #: C486
West Virginia DW Certification #: 9952 C
West Virginia DEP Certification #: 382
Wisconsin Certification #: 999407970

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SAMPLE SUMMARY

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10429059001	**Trip Blank**	Water	04/25/18 14:50	04/27/18 10:00
10429059002	**MW-1**	Water	04/25/18 11:20	04/27/18 10:00
10429059003	**MW-2**	Water	04/25/18 10:44	04/27/18 10:00
10429059004	**MW-3**	Water	04/25/18 12:00	04/27/18 10:00
10429059005	**MW-4**	Water	04/25/18 12:45	04/27/18 10:00
10429059006	**MW-5R**	Water	04/25/18 13:19	04/27/18 10:00
10429059007	**MW-6**	Water	04/25/18 14:40	04/27/18 10:00
10429059008	**MW-7**	Water	04/25/18 14:06	04/27/18 10:00
10429059009	**MW-8**	Water	04/25/18 09:30	04/27/18 10:00
10429059010	**Field Blank**	Water	04/25/18 13:28	04/27/18 10:00

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SAMPLE ANALYTE COUNT

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10429059001	**Trip Blank**	EPA 8260B	DS2	69	PASI-M
10429059002	**MW-1**	EPA 6020B	RJS	7	PASI-M
		EPA 7470A	LMW	1	PASI-M
		EPA 8260B	DS2	69	PASI-M
		EPA 350.1	JFP	1	PASI-M
		EPA 353.2	JFP	1	PASI-M
10429059003	**MW-2**	EPA 6020B	RJS	7	PASI-M
		EPA 7470A	LMW	1	PASI-M
		EPA 8260B	DS2	69	PASI-M
		EPA 350.1	JFP	1	PASI-M
		EPA 353.2	JFP	1	PASI-M
10429059004	**MW-3**	EPA 6020B	RJS	7	PASI-M
		EPA 7470A	LMW	1	PASI-M
		EPA 8260B	DS2	69	PASI-M
		EPA 350.1	JFP	1	PASI-M
		EPA 353.2	JFP	1	PASI-M
10429059005	**MW-4**	EPA 6020B	RJS	7	PASI-M
		EPA 7470A	LMW	1	PASI-M
		EPA 8260B	DS2	69	PASI-M
		EPA 350.1	JFP	1	PASI-M
		EPA 353.2	JFP	1	PASI-M
10429059006	**MW-5R**	EPA 6020B	RJS	7	PASI-M
		EPA 7470A	LMW	1	PASI-M
		EPA 8260B	DS2	69	PASI-M
		EPA 350.1	JFP	1	PASI-M
		EPA 353.2	JFP	1	PASI-M
10429059007	**MW-6**	EPA 6020B	RJS	7	PASI-M
		EPA 7470A	LMW	1	PASI-M
		EPA 8260B	DS2	69	PASI-M
		EPA 350.1	JFP	1	PASI-M
		EPA 353.2	JFP	1	PASI-M
10429059008	**MW-7**	EPA 6020B	RJS	7	PASI-M
		EPA 7470A	LMW	1	PASI-M
		EPA 8260B	DS2	69	PASI-M
		EPA 350.1	JFP	1	PASI-M
		EPA 353.2	JFP	1	PASI-M
10429059009	**MW-8**	EPA 6020B	RJS	7	PASI-M

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SAMPLE ANALYTE COUNT

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 7470A	LMW	1	PASI-M
		EPA 8260B	DS2	69	PASI-M
		EPA 350.1	JFP	1	PASI-M
		EPA 353.2	JFP	1	PASI-M
10429059010	**Field Blank**	EPA 6020B	RJS	7	PASI-M
		EPA 7470A	LMW	1	PASI-M
		EPA 8260B	DS2	69	PASI-M
		EPA 350.1	JFP	1	PASI-M
		EPA 353.2	JFP	1	PASI-M

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PROJECT NARRATIVE

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

Method: **EPA 6020B**
Description: 6020B MET ICPMS
Client: HDR Engineering, Inc.
Date: May 04, 2018

General Information:
9 samples were analyzed for EPA 6020B. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

Sample Preparation:
The samples were prepared in accordance with EPA 3020 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

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

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

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

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 535216

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10429059002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MSD (Lab ID: 2908260)
  - Barium

Additional Comments:

Analyte Comments:

QC Batch: 535216

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

- MS (Lab ID: 2908259)
  - Barium
- MSD (Lab ID: 2908260)
  - Barium

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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PROJECT NARRATIVE

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

Method: **EPA 7470A**
Description: 7470A Mercury
Client: HDR Engineering, Inc.
Date: May 04, 2018

General Information:
9 samples were analyzed for EPA 7470A. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

Sample Preparation:
The samples were prepared in accordance with EPA 7470A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

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

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

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

Method: **EPA 8260B**
Description: 8260B VOC
Client: HDR Engineering, Inc.
Date: May 04, 2018

General Information:
10 samples were analyzed for EPA 8260B. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

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

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

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

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

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

Method: **EPA 350.1**
Description: 350.1 Ammonia
Client: HDR Engineering, Inc.
Date: May 04, 2018

General Information:
9 samples were analyzed for EPA 350.1. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

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

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

Method: **EPA 353.2**
Description: 353.2 Nitrate + Nitrite
Client: HDR Engineering, Inc.
Date: May 04, 2018

General Information:
9 samples were analyzed for EPA 353.2. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

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

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 534901

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10428795004,10429475001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2906468)
  - Nitrogen, NO2 plus NO3
- MSD (Lab ID: 2906469)
  - Nitrogen, NO2 plus NO3

Additional Comments:

Analyte Comments:

QC Batch: 534901

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

- MS (Lab ID: 2906468)
  - Nitrogen, NO2 plus NO3
- MSD (Lab ID: 2906469)
  - Nitrogen, NO2 plus NO3

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

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

Sample: Trip Blank **Lab ID: 10429059001** Collected: 04/25/18 14:50 Received: 04/27/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/02/18 19:57	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/02/18 19:57	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/02/18 19:57	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/02/18 19:57	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		05/02/18 19:57	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/02/18 19:57	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/02/18 19:57	75-35-4	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/02/18 19:57	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/02/18 19:57	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		05/02/18 19:57	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/02/18 19:57	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/02/18 19:57	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/02/18 19:57	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/02/18 19:57	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/02/18 19:57	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/02/18 19:57	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		05/02/18 19:57	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/02/18 19:57	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/02/18 19:57	541-73-1	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/02/18 19:57	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/02/18 19:57	106-46-7	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/02/18 19:57	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		05/02/18 19:57	78-93-3	
2-Chlorotoluene	ND	ug/L	1.0	1		05/02/18 19:57	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/02/18 19:57	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/02/18 19:57	108-10-1	
Acetone	ND	ug/L	20.0	1		05/02/18 19:57	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/02/18 19:57	107-05-1	
Benzene	ND	ug/L	1.0	1		05/02/18 19:57	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/02/18 19:57	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/02/18 19:57	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/02/18 19:57	75-27-4	
Bromoform	ND	ug/L	4.0	1		05/02/18 19:57	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/02/18 19:57	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		05/02/18 19:57	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/02/18 19:57	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/02/18 19:57	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/02/18 19:57	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/02/18 19:57	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		05/02/18 19:57	124-48-1	
Dibromomethane	ND	ug/L	4.0	1		05/02/18 19:57	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/02/18 19:57	75-71-8	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/02/18 19:57	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/02/18 19:57	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	1		05/02/18 19:57	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/02/18 19:57	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/02/18 19:57	1634-04-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

Sample: Trip Blank **Lab ID: 10429059001** Collected: 04/25/18 14:50 Received: 04/27/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Methylene Chloride	ND	ug/L	4.0	1		05/02/18 19:57	75-09-2	
Naphthalene	ND	ug/L	4.0	1		05/02/18 19:57	91-20-3	
Styrene	ND	ug/L	1.0	1		05/02/18 19:57	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/02/18 19:57	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/02/18 19:57	109-99-9	
Toluene	ND	ug/L	1.0	1		05/02/18 19:57	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		05/02/18 19:57	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/02/18 19:57	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		05/02/18 19:57	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/02/18 19:57	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/02/18 19:57	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/02/18 19:57	10061-01-5	
n-Butylbenzene	ND	ug/L	4.0	1		05/02/18 19:57	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		05/02/18 19:57	103-65-1	
p-Isopropyltoluene	ND	ug/L	4.0	1		05/02/18 19:57	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		05/02/18 19:57	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/02/18 19:57	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/02/18 19:57	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/02/18 19:57	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%.	75-125	1		05/02/18 19:57	17060-07-0	
Toluene-d8 (S)	99	%.	75-125	1		05/02/18 19:57	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	75-125	1		05/02/18 19:57	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

Sample: MW-1 **Lab ID: 10429059002** Collected: 04/25/18 11:20 Received: 04/27/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3020							
Arsenic	**86.1**	ug/L	0.50	1	05/02/18 05:31	05/03/18 23:17	7440-38-2	
Barium	**1490**	ug/L	3.0	10	05/02/18 05:31	05/03/18 23:44	7440-39-3	M1
Cadmium	**1.1**	ug/L	0.080	1	05/02/18 05:31	05/03/18 23:17	7440-43-9	
Chromium	**70.9**	ug/L	0.50	1	05/02/18 05:31	05/03/18 23:17	7440-47-3	
Lead	**43.8**	ug/L	0.10	1	05/02/18 05:31	05/03/18 23:17	7439-92-1	
Selenium	**11.6**	ug/L	0.50	1	05/02/18 05:31	05/03/18 23:17	7782-49-2	
Silver	**0.68**	ug/L	0.50	1	05/02/18 05:31	05/03/18 23:17	7440-22-4	
7470A Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	ug/L	0.20	1	04/30/18 14:15	04/30/18 16:55	7439-97-6	
8260B VOC	Analytical Method: EPA 8260B							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/02/18 17:04	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/02/18 17:04	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/02/18 17:04	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/02/18 17:04	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		05/02/18 17:04	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/02/18 17:04	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/02/18 17:04	75-35-4	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/02/18 17:04	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/02/18 17:04	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		05/02/18 17:04	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/02/18 17:04	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/02/18 17:04	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/02/18 17:04	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/02/18 17:04	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/02/18 17:04	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/02/18 17:04	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		05/02/18 17:04	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/02/18 17:04	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/02/18 17:04	541-73-1	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/02/18 17:04	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/02/18 17:04	106-46-7	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/02/18 17:04	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		05/02/18 17:04	78-93-3	
2-Chlorotoluene	ND	ug/L	1.0	1		05/02/18 17:04	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/02/18 17:04	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/02/18 17:04	108-10-1	
Acetone	ND	ug/L	20.0	1		05/02/18 17:04	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/02/18 17:04	107-05-1	
Benzene	ND	ug/L	1.0	1		05/02/18 17:04	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/02/18 17:04	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/02/18 17:04	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/02/18 17:04	75-27-4	
Bromoform	ND	ug/L	4.0	1		05/02/18 17:04	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/02/18 17:04	74-83-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
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ANALYTICAL RESULTS

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

Sample: MW-1 **Lab ID: 10429059002** Collected: 04/25/18 11:20 Received: 04/27/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Carbon tetrachloride	ND	ug/L	1.0	1		05/02/18 17:04	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/02/18 17:04	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/02/18 17:04	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/02/18 17:04	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/02/18 17:04	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		05/02/18 17:04	124-48-1	
Dibromomethane	ND	ug/L	4.0	1		05/02/18 17:04	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/02/18 17:04	75-71-8	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/02/18 17:04	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/02/18 17:04	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	1		05/02/18 17:04	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/02/18 17:04	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/02/18 17:04	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		05/02/18 17:04	75-09-2	
Naphthalene	ND	ug/L	4.0	1		05/02/18 17:04	91-20-3	
Styrene	ND	ug/L	1.0	1		05/02/18 17:04	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/02/18 17:04	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/02/18 17:04	109-99-9	
Toluene	ND	ug/L	1.0	1		05/02/18 17:04	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		05/02/18 17:04	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/02/18 17:04	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		05/02/18 17:04	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/02/18 17:04	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/02/18 17:04	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/02/18 17:04	10061-01-5	
n-Butylbenzene	ND	ug/L	4.0	1		05/02/18 17:04	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		05/02/18 17:04	103-65-1	
p-Isopropyltoluene	ND	ug/L	4.0	1		05/02/18 17:04	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		05/02/18 17:04	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/02/18 17:04	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/02/18 17:04	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/02/18 17:04	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%.	75-125	1		05/02/18 17:04	17060-07-0	
Toluene-d8 (S)	100	%.	75-125	1		05/02/18 17:04	2037-26-5	
4-Bromofluorobenzene (S)	104	%.	75-125	1		05/02/18 17:04	460-00-4	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		05/01/18 14:13	7664-41-7	FS
353.2 Nitrate + Nitrite	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	**7.2**	mg/L	0.20	10		04/28/18 13:06		FS

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

Sample: MW-2 **Lab ID: 10429059003** Collected: 04/25/18 10:44 Received: 04/27/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3020							
Arsenic	**65.9**	ug/L	0.50	1	05/02/18 05:31	05/04/18 14:49	7440-38-2	
Barium	**181**	ug/L	0.30	1	05/02/18 05:31	05/04/18 14:49	7440-39-3	
Cadmium	**0.11**	ug/L	0.080	1	05/02/18 05:31	05/04/18 14:49	7440-43-9	
Chromium	**8.6**	ug/L	0.50	1	05/02/18 05:31	05/04/18 14:49	7440-47-3	
Lead	**6.2**	ug/L	0.10	1	05/02/18 05:31	05/04/18 14:49	7439-92-1	
Selenium	**3.3**	ug/L	0.50	1	05/02/18 05:31	05/04/18 14:49	7782-49-2	
Silver	ND	ug/L	0.50	1	05/02/18 05:31	05/04/18 14:49	7440-22-4	
7470A Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	ug/L	0.20	1	04/30/18 14:15	04/30/18 16:57	7439-97-6	
8260B VOC	Analytical Method: EPA 8260B							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/02/18 21:42	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/02/18 21:42	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/02/18 21:42	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/02/18 21:42	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		05/02/18 21:42	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/02/18 21:42	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/02/18 21:42	75-35-4	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/02/18 21:42	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/02/18 21:42	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		05/02/18 21:42	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/02/18 21:42	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/02/18 21:42	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/02/18 21:42	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/02/18 21:42	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/02/18 21:42	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/02/18 21:42	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		05/02/18 21:42	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/02/18 21:42	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/02/18 21:42	541-73-1	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/02/18 21:42	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/02/18 21:42	106-46-7	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/02/18 21:42	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		05/02/18 21:42	78-93-3	
2-Chlorotoluene	ND	ug/L	1.0	1		05/02/18 21:42	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/02/18 21:42	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/02/18 21:42	108-10-1	
Acetone	ND	ug/L	20.0	1		05/02/18 21:42	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/02/18 21:42	107-05-1	
Benzene	ND	ug/L	1.0	1		05/02/18 21:42	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/02/18 21:42	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/02/18 21:42	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/02/18 21:42	75-27-4	
Bromoform	ND	ug/L	4.0	1		05/02/18 21:42	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/02/18 21:42	74-83-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
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ANALYTICAL RESULTS

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

Sample: MW-2 **Lab ID: 10429059003** Collected: 04/25/18 10:44 Received: 04/27/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Carbon tetrachloride	ND	ug/L	1.0	1		05/02/18 21:42	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/02/18 21:42	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/02/18 21:42	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/02/18 21:42	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/02/18 21:42	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		05/02/18 21:42	124-48-1	
Dibromomethane	ND	ug/L	4.0	1		05/02/18 21:42	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/02/18 21:42	75-71-8	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/02/18 21:42	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/02/18 21:42	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	1		05/02/18 21:42	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/02/18 21:42	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/02/18 21:42	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		05/02/18 21:42	75-09-2	
Naphthalene	ND	ug/L	4.0	1		05/02/18 21:42	91-20-3	
Styrene	ND	ug/L	1.0	1		05/02/18 21:42	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/02/18 21:42	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/02/18 21:42	109-99-9	
Toluene	ND	ug/L	1.0	1		05/02/18 21:42	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		05/02/18 21:42	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/02/18 21:42	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		05/02/18 21:42	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/02/18 21:42	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/02/18 21:42	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/02/18 21:42	10061-01-5	
n-Butylbenzene	ND	ug/L	4.0	1		05/02/18 21:42	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		05/02/18 21:42	103-65-1	
p-Isopropyltoluene	ND	ug/L	4.0	1		05/02/18 21:42	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		05/02/18 21:42	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/02/18 21:42	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/02/18 21:42	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/02/18 21:42	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%.	75-125	1		05/02/18 21:42	17060-07-0	
Toluene-d8 (S)	99	%.	75-125	1		05/02/18 21:42	2037-26-5	
4-Bromofluorobenzene (S)	105	%.	75-125	1		05/02/18 21:42	460-00-4	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		05/01/18 14:15	7664-41-7	
353.2 Nitrate + Nitrite	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	**3.5**	mg/L	0.10	5		04/28/18 13:07		FS

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

Sample: MW-3 **Lab ID: 10429059004** Collected: 04/25/18 12:00 Received: 04/27/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3020							
Arsenic	**91.6**	ug/L	2.5	5	05/02/18 05:31	05/04/18 14:58	7440-38-2	
Barium	**1030**	ug/L	1.5	5	05/02/18 05:31	05/04/18 14:58	7440-39-3	
Cadmium	**0.40**	ug/L	0.080	1	05/02/18 05:31	05/04/18 00:47	7440-43-9	
Chromium	**59.2**	ug/L	2.5	5	05/02/18 05:31	05/04/18 14:58	7440-47-3	
Lead	**35.6**	ug/L	0.10	1	05/02/18 05:31	05/04/18 00:47	7439-92-1	
Selenium	**23.1**	ug/L	2.5	5	05/02/18 05:31	05/04/18 14:58	7782-49-2	
Silver	ND	ug/L	0.50	1	05/02/18 05:31	05/04/18 00:47	7440-22-4	
7470A Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	ug/L	0.20	1	04/30/18 14:15	04/30/18 16:59	7439-97-6	
8260B VOC	Analytical Method: EPA 8260B							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/02/18 22:00	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/02/18 22:00	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/02/18 22:00	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/02/18 22:00	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		05/02/18 22:00	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/02/18 22:00	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/02/18 22:00	75-35-4	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/02/18 22:00	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/02/18 22:00	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		05/02/18 22:00	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/02/18 22:00	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/02/18 22:00	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/02/18 22:00	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/02/18 22:00	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/02/18 22:00	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/02/18 22:00	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		05/02/18 22:00	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/02/18 22:00	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/02/18 22:00	541-73-1	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/02/18 22:00	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/02/18 22:00	106-46-7	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/02/18 22:00	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		05/02/18 22:00	78-93-3	
2-Chlorotoluene	ND	ug/L	1.0	1		05/02/18 22:00	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/02/18 22:00	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/02/18 22:00	108-10-1	
Acetone	ND	ug/L	20.0	1		05/02/18 22:00	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/02/18 22:00	107-05-1	
Benzene	ND	ug/L	1.0	1		05/02/18 22:00	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/02/18 22:00	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/02/18 22:00	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/02/18 22:00	75-27-4	
Bromoform	ND	ug/L	4.0	1		05/02/18 22:00	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/02/18 22:00	74-83-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

Sample: MW-3 **Lab ID: 10429059004** Collected: 04/25/18 12:00 Received: 04/27/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Carbon tetrachloride	ND	ug/L	1.0	1		05/02/18 22:00	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/02/18 22:00	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/02/18 22:00	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/02/18 22:00	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/02/18 22:00	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		05/02/18 22:00	124-48-1	
Dibromomethane	ND	ug/L	4.0	1		05/02/18 22:00	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/02/18 22:00	75-71-8	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/02/18 22:00	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/02/18 22:00	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	1		05/02/18 22:00	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/02/18 22:00	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/02/18 22:00	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		05/02/18 22:00	75-09-2	
Naphthalene	ND	ug/L	4.0	1		05/02/18 22:00	91-20-3	
Styrene	ND	ug/L	1.0	1		05/02/18 22:00	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/02/18 22:00	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/02/18 22:00	109-99-9	
Toluene	ND	ug/L	1.0	1		05/02/18 22:00	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		05/02/18 22:00	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/02/18 22:00	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		05/02/18 22:00	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/02/18 22:00	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/02/18 22:00	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/02/18 22:00	10061-01-5	
n-Butylbenzene	ND	ug/L	4.0	1		05/02/18 22:00	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		05/02/18 22:00	103-65-1	
p-Isopropyltoluene	ND	ug/L	4.0	1		05/02/18 22:00	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		05/02/18 22:00	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/02/18 22:00	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/02/18 22:00	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/02/18 22:00	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%.	75-125	1		05/02/18 22:00	17060-07-0	
Toluene-d8 (S)	98	%.	75-125	1		05/02/18 22:00	2037-26-5	
4-Bromofluorobenzene (S)	104	%.	75-125	1		05/02/18 22:00	460-00-4	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		05/01/18 14:16	7664-41-7	FS
353.2 Nitrate + Nitrite	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	**6.7**	mg/L	0.20	10		04/28/18 13:08		FS

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

Sample: MW-4 **Lab ID: 10429059005** Collected: 04/25/18 12:45 Received: 04/27/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3020							
Arsenic	**47.7**	ug/L	2.5	5	05/02/18 05:31	05/04/18 15:03	7440-38-2	
Barium	**586**	ug/L	0.30	1	05/02/18 05:31	05/04/18 00:22	7440-39-3	
Cadmium	**0.32**	ug/L	0.080	1	05/02/18 05:31	05/04/18 00:22	7440-43-9	
Chromium	**32.4**	ug/L	2.5	5	05/02/18 05:31	05/04/18 15:03	7440-47-3	
Lead	**23.4**	ug/L	0.10	1	05/02/18 05:31	05/04/18 00:22	7439-92-1	
Selenium	**7.4**	ug/L	2.5	5	05/02/18 05:31	05/04/18 15:03	7782-49-2	
Silver	ND	ug/L	0.50	1	05/02/18 05:31	05/04/18 00:22	7440-22-4	
7470A Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	ug/L	0.20	1	04/30/18 14:15	04/30/18 17:01	7439-97-6	
8260B VOC	Analytical Method: EPA 8260B							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/02/18 22:17	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/02/18 22:17	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/02/18 22:17	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/02/18 22:17	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		05/02/18 22:17	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/02/18 22:17	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/02/18 22:17	75-35-4	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/02/18 22:17	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/02/18 22:17	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		05/02/18 22:17	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/02/18 22:17	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/02/18 22:17	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/02/18 22:17	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/02/18 22:17	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/02/18 22:17	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/02/18 22:17	107-06-2	
1,2-Dichloropropane	**68.6**	ug/L	4.0	1		05/02/18 22:17	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/02/18 22:17	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/02/18 22:17	541-73-1	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/02/18 22:17	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/02/18 22:17	106-46-7	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/02/18 22:17	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		05/02/18 22:17	78-93-3	
2-Chlorotoluene	ND	ug/L	1.0	1		05/02/18 22:17	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/02/18 22:17	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/02/18 22:17	108-10-1	
Acetone	ND	ug/L	20.0	1		05/02/18 22:17	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/02/18 22:17	107-05-1	
Benzene	ND	ug/L	1.0	1		05/02/18 22:17	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/02/18 22:17	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/02/18 22:17	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/02/18 22:17	75-27-4	
Bromoform	ND	ug/L	4.0	1		05/02/18 22:17	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/02/18 22:17	74-83-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
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ANALYTICAL RESULTS

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

Sample: MW-4 **Lab ID: 10429059005** Collected: 04/25/18 12:45 Received: 04/27/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Carbon tetrachloride	ND	ug/L	1.0	1		05/02/18 22:17	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/02/18 22:17	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/02/18 22:17	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/02/18 22:17	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/02/18 22:17	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		05/02/18 22:17	124-48-1	
Dibromomethane	ND	ug/L	4.0	1		05/02/18 22:17	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/02/18 22:17	75-71-8	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/02/18 22:17	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/02/18 22:17	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	1		05/02/18 22:17	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/02/18 22:17	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/02/18 22:17	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		05/02/18 22:17	75-09-2	
Naphthalene	ND	ug/L	4.0	1		05/02/18 22:17	91-20-3	
Styrene	ND	ug/L	1.0	1		05/02/18 22:17	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/02/18 22:17	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/02/18 22:17	109-99-9	
Toluene	ND	ug/L	1.0	1		05/02/18 22:17	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		05/02/18 22:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/02/18 22:17	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		05/02/18 22:17	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/02/18 22:17	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/02/18 22:17	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/02/18 22:17	10061-01-5	
n-Butylbenzene	ND	ug/L	4.0	1		05/02/18 22:17	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		05/02/18 22:17	103-65-1	
p-Isopropyltoluene	ND	ug/L	4.0	1		05/02/18 22:17	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		05/02/18 22:17	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/02/18 22:17	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/02/18 22:17	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/02/18 22:17	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%.	75-125	1		05/02/18 22:17	17060-07-0	
Toluene-d8 (S)	100	%.	75-125	1		05/02/18 22:17	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	75-125	1		05/02/18 22:17	460-00-4	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		05/01/18 14:20	7664-41-7	FS
353.2 Nitrate + Nitrite	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	**38.0**	mg/L	1.0	50		04/28/18 13:10		FS

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

Sample: MW-5R **Lab ID: 10429059006** Collected: 04/25/18 13:19 Received: 04/27/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3020							
Arsenic	**95.6**	ug/L	2.5	5	05/02/18 05:31	05/04/18 15:07	7440-38-2	
Barium	**493**	ug/L	0.30	1	05/02/18 05:31	05/04/18 00:27	7440-39-3	
Cadmium	**1.1**	ug/L	0.080	1	05/02/18 05:31	05/04/18 00:27	7440-43-9	
Chromium	**26.4**	ug/L	2.5	5	05/02/18 05:31	05/04/18 15:07	7440-47-3	
Lead	**21.2**	ug/L	0.10	1	05/02/18 05:31	05/04/18 00:27	7439-92-1	
Selenium	**10.9**	ug/L	2.5	5	05/02/18 05:31	05/04/18 15:07	7782-49-2	
Silver	ND	ug/L	0.50	1	05/02/18 05:31	05/04/18 00:27	7440-22-4	
7470A Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	ug/L	0.20	1	04/30/18 14:15	04/30/18 17:03	7439-97-6	
8260B VOC	Analytical Method: EPA 8260B							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/02/18 22:35	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/02/18 22:35	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/02/18 22:35	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/02/18 22:35	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		05/02/18 22:35	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/02/18 22:35	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/02/18 22:35	75-35-4	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/02/18 22:35	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/02/18 22:35	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		05/02/18 22:35	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/02/18 22:35	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/02/18 22:35	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/02/18 22:35	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/02/18 22:35	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/02/18 22:35	95-50-1	
1,2-Dichloroethane	**3.2**	ug/L	1.0	1		05/02/18 22:35	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		05/02/18 22:35	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/02/18 22:35	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/02/18 22:35	541-73-1	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/02/18 22:35	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/02/18 22:35	106-46-7	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/02/18 22:35	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		05/02/18 22:35	78-93-3	
2-Chlorotoluene	ND	ug/L	1.0	1		05/02/18 22:35	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/02/18 22:35	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/02/18 22:35	108-10-1	
Acetone	ND	ug/L	20.0	1		05/02/18 22:35	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/02/18 22:35	107-05-1	
Benzene	ND	ug/L	1.0	1		05/02/18 22:35	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/02/18 22:35	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/02/18 22:35	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/02/18 22:35	75-27-4	
Bromoform	ND	ug/L	4.0	1		05/02/18 22:35	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/02/18 22:35	74-83-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

Sample: MW-5R **Lab ID: 10429059006** Collected: 04/25/18 13:19 Received: 04/27/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Carbon tetrachloride	ND	ug/L	1.0	1		05/02/18 22:35	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/02/18 22:35	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/02/18 22:35	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/02/18 22:35	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/02/18 22:35	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		05/02/18 22:35	124-48-1	
Dibromomethane	ND	ug/L	4.0	1		05/02/18 22:35	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/02/18 22:35	75-71-8	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/02/18 22:35	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/02/18 22:35	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	1		05/02/18 22:35	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/02/18 22:35	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/02/18 22:35	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		05/02/18 22:35	75-09-2	
Naphthalene	ND	ug/L	4.0	1		05/02/18 22:35	91-20-3	
Styrene	ND	ug/L	1.0	1		05/02/18 22:35	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/02/18 22:35	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/02/18 22:35	109-99-9	
Toluene	ND	ug/L	1.0	1		05/02/18 22:35	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		05/02/18 22:35	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/02/18 22:35	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		05/02/18 22:35	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/02/18 22:35	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/02/18 22:35	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/02/18 22:35	10061-01-5	
n-Butylbenzene	ND	ug/L	4.0	1		05/02/18 22:35	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		05/02/18 22:35	103-65-1	
p-Isopropyltoluene	ND	ug/L	4.0	1		05/02/18 22:35	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		05/02/18 22:35	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/02/18 22:35	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/02/18 22:35	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/02/18 22:35	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%.	75-125	1		05/02/18 22:35	17060-07-0	
Toluene-d8 (S)	98	%.	75-125	1		05/02/18 22:35	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	75-125	1		05/02/18 22:35	460-00-4	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		05/01/18 14:22	7664-41-7	FS
353.2 Nitrate + Nitrite	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	**16.8**	mg/L	0.40	20		04/28/18 13:11		FS

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

Sample: MW-6 **Lab ID: 10429059007** Collected: 04/25/18 14:40 Received: 04/27/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3020							
Arsenic	**29.5**	ug/L	0.50	1	05/02/18 05:31	05/04/18 15:30	7440-38-2	
Barium	**502**	ug/L	0.30	1	05/02/18 05:31	05/04/18 15:30	7440-39-3	
Cadmium	**0.44**	ug/L	0.080	1	05/02/18 05:31	05/04/18 15:30	7440-43-9	
Chromium	**33.0**	ug/L	0.50	1	05/02/18 05:31	05/04/18 15:30	7440-47-3	
Lead	**17.9**	ug/L	0.10	1	05/02/18 05:31	05/04/18 15:30	7439-92-1	
Selenium	**3.5**	ug/L	0.50	1	05/02/18 05:31	05/04/18 15:30	7782-49-2	
Silver	ND	ug/L	0.50	1	05/02/18 05:31	05/04/18 15:30	7440-22-4	
7470A Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	ug/L	0.20	1	04/30/18 14:15	04/30/18 17:06	7439-97-6	
8260B VOC	Analytical Method: EPA 8260B							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/02/18 22:52	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/02/18 22:52	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/02/18 22:52	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/02/18 22:52	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		05/02/18 22:52	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/02/18 22:52	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/02/18 22:52	75-35-4	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/02/18 22:52	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/02/18 22:52	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		05/02/18 22:52	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/02/18 22:52	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/02/18 22:52	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/02/18 22:52	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/02/18 22:52	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/02/18 22:52	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/02/18 22:52	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		05/02/18 22:52	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/02/18 22:52	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/02/18 22:52	541-73-1	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/02/18 22:52	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/02/18 22:52	106-46-7	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/02/18 22:52	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		05/02/18 22:52	78-93-3	
2-Chlorotoluene	ND	ug/L	1.0	1		05/02/18 22:52	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/02/18 22:52	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/02/18 22:52	108-10-1	
Acetone	ND	ug/L	20.0	1		05/02/18 22:52	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/02/18 22:52	107-05-1	
Benzene	ND	ug/L	1.0	1		05/02/18 22:52	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/02/18 22:52	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/02/18 22:52	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/02/18 22:52	75-27-4	
Bromoform	ND	ug/L	4.0	1		05/02/18 22:52	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/02/18 22:52	74-83-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
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ANALYTICAL RESULTS

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

Sample: MW-6 **Lab ID: 10429059007** Collected: 04/25/18 14:40 Received: 04/27/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Carbon tetrachloride	ND	ug/L	1.0	1		05/02/18 22:52	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/02/18 22:52	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/02/18 22:52	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/02/18 22:52	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/02/18 22:52	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		05/02/18 22:52	124-48-1	
Dibromomethane	ND	ug/L	4.0	1		05/02/18 22:52	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/02/18 22:52	75-71-8	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/02/18 22:52	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/02/18 22:52	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	1		05/02/18 22:52	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/02/18 22:52	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/02/18 22:52	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		05/02/18 22:52	75-09-2	
Naphthalene	ND	ug/L	4.0	1		05/02/18 22:52	91-20-3	
Styrene	ND	ug/L	1.0	1		05/02/18 22:52	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/02/18 22:52	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/02/18 22:52	109-99-9	
Toluene	ND	ug/L	1.0	1		05/02/18 22:52	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		05/02/18 22:52	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/02/18 22:52	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		05/02/18 22:52	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/02/18 22:52	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/02/18 22:52	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/02/18 22:52	10061-01-5	
n-Butylbenzene	ND	ug/L	4.0	1		05/02/18 22:52	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		05/02/18 22:52	103-65-1	
p-Isopropyltoluene	ND	ug/L	4.0	1		05/02/18 22:52	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		05/02/18 22:52	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/02/18 22:52	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/02/18 22:52	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/02/18 22:52	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%.	75-125	1		05/02/18 22:52	17060-07-0	
Toluene-d8 (S)	99	%.	75-125	1		05/02/18 22:52	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	75-125	1		05/02/18 22:52	460-00-4	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		05/01/18 14:26	7664-41-7	FS
353.2 Nitrate + Nitrite	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	**3.2**	mg/L	0.10	5		04/28/18 13:12		FS

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
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ANALYTICAL RESULTS

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

Sample: MW-7 **Lab ID: 10429059008** Collected: 04/25/18 14:06 Received: 04/27/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3020							
Arsenic	**61.8**	ug/L	2.5	5	05/02/18 05:31	05/04/18 15:12	7440-38-2	
Barium	**2190**	ug/L	1.5	5	05/02/18 05:31	05/04/18 15:12	7440-39-3	
Cadmium	**1.7**	ug/L	0.080	1	05/02/18 05:31	05/04/18 00:36	7440-43-9	
Chromium	**131**	ug/L	2.5	5	05/02/18 05:31	05/04/18 15:12	7440-47-3	
Lead	**53.1**	ug/L	0.10	1	05/02/18 05:31	05/04/18 00:36	7439-92-1	
Selenium	**15.1**	ug/L	2.5	5	05/02/18 05:31	05/04/18 15:12	7782-49-2	
Silver	ND	ug/L	0.50	1	05/02/18 05:31	05/04/18 00:36	7440-22-4	
7470A Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	ug/L	0.20	1	04/30/18 14:15	04/30/18 17:12	7439-97-6	
8260B VOC	Analytical Method: EPA 8260B							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/02/18 23:10	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/02/18 23:10	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/02/18 23:10	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/02/18 23:10	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		05/02/18 23:10	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/02/18 23:10	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/02/18 23:10	75-35-4	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/02/18 23:10	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/02/18 23:10	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		05/02/18 23:10	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/02/18 23:10	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/02/18 23:10	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/02/18 23:10	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/02/18 23:10	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/02/18 23:10	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/02/18 23:10	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		05/02/18 23:10	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/02/18 23:10	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/02/18 23:10	541-73-1	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/02/18 23:10	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/02/18 23:10	106-46-7	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/02/18 23:10	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		05/02/18 23:10	78-93-3	
2-Chlorotoluene	ND	ug/L	1.0	1		05/02/18 23:10	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/02/18 23:10	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/02/18 23:10	108-10-1	
Acetone	ND	ug/L	20.0	1		05/02/18 23:10	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/02/18 23:10	107-05-1	
Benzene	ND	ug/L	1.0	1		05/02/18 23:10	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/02/18 23:10	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/02/18 23:10	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/02/18 23:10	75-27-4	
Bromoform	ND	ug/L	4.0	1		05/02/18 23:10	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/02/18 23:10	74-83-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

Sample: MW-7 **Lab ID: 10429059008** Collected: 04/25/18 14:06 Received: 04/27/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Carbon tetrachloride	ND	ug/L	1.0	1		05/02/18 23:10	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/02/18 23:10	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/02/18 23:10	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/02/18 23:10	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/02/18 23:10	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		05/02/18 23:10	124-48-1	
Dibromomethane	ND	ug/L	4.0	1		05/02/18 23:10	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/02/18 23:10	75-71-8	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/02/18 23:10	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/02/18 23:10	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	1		05/02/18 23:10	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/02/18 23:10	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/02/18 23:10	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		05/02/18 23:10	75-09-2	
Naphthalene	ND	ug/L	4.0	1		05/02/18 23:10	91-20-3	
Styrene	ND	ug/L	1.0	1		05/02/18 23:10	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/02/18 23:10	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/02/18 23:10	109-99-9	
Toluene	ND	ug/L	1.0	1		05/02/18 23:10	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		05/02/18 23:10	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/02/18 23:10	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		05/02/18 23:10	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/02/18 23:10	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/02/18 23:10	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/02/18 23:10	10061-01-5	
n-Butylbenzene	ND	ug/L	4.0	1		05/02/18 23:10	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		05/02/18 23:10	103-65-1	
p-Isopropyltoluene	ND	ug/L	4.0	1		05/02/18 23:10	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		05/02/18 23:10	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/02/18 23:10	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/02/18 23:10	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/02/18 23:10	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%.	75-125	1		05/02/18 23:10	17060-07-0	
Toluene-d8 (S)	98	%.	75-125	1		05/02/18 23:10	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	75-125	1		05/02/18 23:10	460-00-4	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		05/01/18 14:28	7664-41-7	FS
353.2 Nitrate + Nitrite	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	**15.7**	mg/L	0.40	20		04/28/18 13:13		FS

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

Sample: MW-8 **Lab ID: 10429059009** Collected: 04/25/18 09:30 Received: 04/27/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3020							
Arsenic	**92.4**	ug/L	2.5	5	05/02/18 05:31	05/04/18 15:35	7440-38-2	
Barium	**580**	ug/L	0.30	1	05/02/18 05:31	05/04/18 00:42	7440-39-3	
Cadmium	**1.0**	ug/L	0.080	1	05/02/18 05:31	05/04/18 00:42	7440-43-9	
Chromium	**31.5**	ug/L	2.5	5	05/02/18 05:31	05/04/18 15:35	7440-47-3	
Lead	**23.6**	ug/L	0.10	1	05/02/18 05:31	05/04/18 00:42	7439-92-1	
Selenium	**10**	ug/L	2.5	5	05/02/18 05:31	05/04/18 15:35	7782-49-2	
Silver	ND	ug/L	0.50	1	05/02/18 05:31	05/04/18 00:42	7440-22-4	
7470A Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	ug/L	0.20	1	04/30/18 14:15	04/30/18 17:14	7439-97-6	
8260B VOC	Analytical Method: EPA 8260B							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/02/18 23:27	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/02/18 23:27	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/02/18 23:27	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/02/18 23:27	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		05/02/18 23:27	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/02/18 23:27	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/02/18 23:27	75-35-4	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/02/18 23:27	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/02/18 23:27	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		05/02/18 23:27	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/02/18 23:27	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/02/18 23:27	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/02/18 23:27	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/02/18 23:27	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/02/18 23:27	95-50-1	
1,2-Dichloroethane	**2.7**	ug/L	1.0	1		05/02/18 23:27	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		05/02/18 23:27	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/02/18 23:27	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/02/18 23:27	541-73-1	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/02/18 23:27	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/02/18 23:27	106-46-7	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/02/18 23:27	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		05/02/18 23:27	78-93-3	
2-Chlorotoluene	ND	ug/L	1.0	1		05/02/18 23:27	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/02/18 23:27	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/02/18 23:27	108-10-1	
Acetone	ND	ug/L	20.0	1		05/02/18 23:27	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/02/18 23:27	107-05-1	
Benzene	ND	ug/L	1.0	1		05/02/18 23:27	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/02/18 23:27	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/02/18 23:27	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/02/18 23:27	75-27-4	
Bromoform	ND	ug/L	4.0	1		05/02/18 23:27	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/02/18 23:27	74-83-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

Sample: MW-8 **Lab ID: 10429059009** Collected: 04/25/18 09:30 Received: 04/27/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Carbon tetrachloride	ND	ug/L	1.0	1		05/02/18 23:27	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/02/18 23:27	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/02/18 23:27	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/02/18 23:27	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/02/18 23:27	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		05/02/18 23:27	124-48-1	
Dibromomethane	ND	ug/L	4.0	1		05/02/18 23:27	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/02/18 23:27	75-71-8	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/02/18 23:27	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/02/18 23:27	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	1		05/02/18 23:27	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/02/18 23:27	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/02/18 23:27	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		05/02/18 23:27	75-09-2	
Naphthalene	ND	ug/L	4.0	1		05/02/18 23:27	91-20-3	
Styrene	ND	ug/L	1.0	1		05/02/18 23:27	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/02/18 23:27	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/02/18 23:27	109-99-9	
Toluene	ND	ug/L	1.0	1		05/02/18 23:27	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		05/02/18 23:27	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/02/18 23:27	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		05/02/18 23:27	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/02/18 23:27	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/02/18 23:27	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/02/18 23:27	10061-01-5	
n-Butylbenzene	ND	ug/L	4.0	1		05/02/18 23:27	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		05/02/18 23:27	103-65-1	
p-Isopropyltoluene	ND	ug/L	4.0	1		05/02/18 23:27	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		05/02/18 23:27	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/02/18 23:27	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/02/18 23:27	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/02/18 23:27	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%.	75-125	1		05/02/18 23:27	17060-07-0	
Toluene-d8 (S)	98	%.	75-125	1		05/02/18 23:27	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	75-125	1		05/02/18 23:27	460-00-4	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		05/01/18 14:29	7664-41-7	FS
353.2 Nitrate + Nitrite	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	**2.5**	mg/L	0.10	5		04/28/18 13:16		FS

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

Sample: Field Blank **Lab ID: 10429059010** Collected: 04/25/18 13:28 Received: 04/27/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3020							
Arsenic	ND	ug/L	0.50	1	05/02/18 05:31	05/04/18 15:26	7440-38-2	
Barium	ND	ug/L	0.30	1	05/02/18 05:31	05/04/18 15:26	7440-39-3	
Cadmium	ND	ug/L	0.080	1	05/02/18 05:31	05/04/18 15:26	7440-43-9	
Chromium	ND	ug/L	0.50	1	05/02/18 05:31	05/04/18 15:26	7440-47-3	
Lead	ND	ug/L	0.10	1	05/02/18 05:31	05/04/18 15:26	7439-92-1	
Selenium	ND	ug/L	0.50	1	05/02/18 05:31	05/04/18 15:26	7782-49-2	
Silver	ND	ug/L	0.50	1	05/02/18 05:31	05/04/18 15:26	7440-22-4	
7470A Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	ug/L	0.20	1	04/30/18 14:15	04/30/18 17:16	7439-97-6	
8260B VOC	Analytical Method: EPA 8260B							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/02/18 20:50	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/02/18 20:50	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/02/18 20:50	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/02/18 20:50	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		05/02/18 20:50	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/02/18 20:50	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/02/18 20:50	75-35-4	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/02/18 20:50	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/02/18 20:50	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		05/02/18 20:50	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/02/18 20:50	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/02/18 20:50	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/02/18 20:50	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/02/18 20:50	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/02/18 20:50	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/02/18 20:50	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		05/02/18 20:50	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/02/18 20:50	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/02/18 20:50	541-73-1	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/02/18 20:50	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/02/18 20:50	106-46-7	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/02/18 20:50	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		05/02/18 20:50	78-93-3	
2-Chlorotoluene	ND	ug/L	1.0	1		05/02/18 20:50	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/02/18 20:50	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/02/18 20:50	108-10-1	
Acetone	ND	ug/L	20.0	1		05/02/18 20:50	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/02/18 20:50	107-05-1	
Benzene	ND	ug/L	1.0	1		05/02/18 20:50	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/02/18 20:50	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/02/18 20:50	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/02/18 20:50	75-27-4	
Bromoform	ND	ug/L	4.0	1		05/02/18 20:50	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/02/18 20:50	74-83-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

Sample: Field Blank **Lab ID: 10429059010** Collected: 04/25/18 13:28 Received: 04/27/18 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Carbon tetrachloride	ND	ug/L	1.0	1		05/02/18 20:50	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/02/18 20:50	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/02/18 20:50	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/02/18 20:50	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/02/18 20:50	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		05/02/18 20:50	124-48-1	
Dibromomethane	ND	ug/L	4.0	1		05/02/18 20:50	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/02/18 20:50	75-71-8	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/02/18 20:50	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/02/18 20:50	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	1		05/02/18 20:50	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/02/18 20:50	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/02/18 20:50	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		05/02/18 20:50	75-09-2	
Naphthalene	ND	ug/L	4.0	1		05/02/18 20:50	91-20-3	
Styrene	ND	ug/L	1.0	1		05/02/18 20:50	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/02/18 20:50	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/02/18 20:50	109-99-9	
Toluene	ND	ug/L	1.0	1		05/02/18 20:50	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		05/02/18 20:50	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/02/18 20:50	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		05/02/18 20:50	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/02/18 20:50	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/02/18 20:50	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/02/18 20:50	10061-01-5	
n-Butylbenzene	ND	ug/L	4.0	1		05/02/18 20:50	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		05/02/18 20:50	103-65-1	
p-Isopropyltoluene	ND	ug/L	4.0	1		05/02/18 20:50	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		05/02/18 20:50	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/02/18 20:50	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/02/18 20:50	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/02/18 20:50	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%.	75-125	1		05/02/18 20:50	17060-07-0	
Toluene-d8 (S)	99	%.	75-125	1		05/02/18 20:50	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	75-125	1		05/02/18 20:50	460-00-4	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		05/01/18 14:31	7664-41-7	
353.2 Nitrate + Nitrite	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	**0.045**	mg/L	0.020	1		04/28/18 13:30		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

QC Batch: 534953 Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A Analysis Description: 7470A Mercury Water
Associated Lab Samples: 10429059002, 10429059003, 10429059004, 10429059005, 10429059006, 10429059007, 10429059008, 10429059009, 10429059010

METHOD BLANK: 2906837 Matrix: Water
Associated Lab Samples: 10429059002, 10429059003, 10429059004, 10429059005, 10429059006, 10429059007, 10429059008, 10429059009, 10429059010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	04/30/18 16:30	

LABORATORY CONTROL SAMPLE: 2906838

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.2	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2906839 2906840

Parameter	Units	10428792001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	5.4	5.4	109	107	80-120	2	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
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QUALITY CONTROL DATA

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

QC Batch: 535216 Analysis Method: EPA 6020B
QC Batch Method: EPA 3020 Analysis Description: 6020B Water UPD5
Associated Lab Samples: 10429059002, 10429059003, 10429059004, 10429059005, 10429059006, 10429059007, 10429059008, 10429059009, 10429059010

METHOD BLANK: 2908257 Matrix: Water
Associated Lab Samples: 10429059002, 10429059003, 10429059004, 10429059005, 10429059006, 10429059007, 10429059008, 10429059009, 10429059010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	ND	0.50	05/03/18 23:07	
Barium	ug/L	ND	0.30	05/03/18 23:07	
Cadmium	ug/L	ND	0.080	05/03/18 23:07	
Chromium	ug/L	ND	0.50	05/03/18 23:07	
Lead	ug/L	ND	0.10	05/03/18 23:07	
Selenium	ug/L	ND	0.50	05/03/18 23:07	
Silver	ug/L	ND	0.50	05/03/18 23:07	

LABORATORY CONTROL SAMPLE: 2908258

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	100	105	105	80-120	
Barium	ug/L	100	107	107	80-120	
Cadmium	ug/L	100	112	112	80-120	
Chromium	ug/L	100	110	110	80-120	
Lead	ug/L	100	110	110	80-120	
Selenium	ug/L	100	104	104	80-120	
Silver	ug/L	50	57.8	116	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2908259 2908260

Parameter	Units	10429059002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	86.1	100	100	177	179	90	92	75-125	1	20	
Barium	ug/L	1490	100	100	1580	1650	93	163	75-125	4	20	E,M1
Cadmium	ug/L	1.1	100	100	102	103	101	102	75-125	1	20	
Chromium	ug/L	70.9	100	100	168	176	97	105	75-125	4	20	
Lead	ug/L	43.8	100	100	120	123	76	80	75-125	3	20	
Selenium	ug/L	11.6	100	100	96.0	95.0	84	83	75-125	1	20	
Silver	ug/L	0.68	50	50	52.5	52.9	104	104	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
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(612)607-1700

QUALITY CONTROL DATA

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

QC Batch: 535541 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV 465 W
Associated Lab Samples: 10429059002

METHOD BLANK: 2910647 Matrix: Water
Associated Lab Samples: 10429059002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	05/02/18 10:05	
1,1,1-Trichloroethane	ug/L	ND	1.0	05/02/18 10:05	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	05/02/18 10:05	
1,1,2-Trichloroethane	ug/L	ND	1.0	05/02/18 10:05	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	05/02/18 10:05	
1,1-Dichloroethane	ug/L	ND	1.0	05/02/18 10:05	
1,1-Dichloroethene	ug/L	ND	1.0	05/02/18 10:05	
1,1-Dichloropropene	ug/L	ND	1.0	05/02/18 10:05	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	05/02/18 10:05	
1,2,3-Trichloropropane	ug/L	ND	4.0	05/02/18 10:05	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	05/02/18 10:05	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	05/02/18 10:05	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	05/02/18 10:05	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	05/02/18 10:05	
1,2-Dichlorobenzene	ug/L	ND	1.0	05/02/18 10:05	
1,2-Dichloroethane	ug/L	ND	1.0	05/02/18 10:05	
1,2-Dichloropropane	ug/L	ND	4.0	05/02/18 10:05	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	05/02/18 10:05	
1,3-Dichlorobenzene	ug/L	ND	1.0	05/02/18 10:05	
1,3-Dichloropropane	ug/L	ND	1.0	05/02/18 10:05	
1,4-Dichlorobenzene	ug/L	ND	1.0	05/02/18 10:05	
2,2-Dichloropropane	ug/L	ND	4.0	05/02/18 10:05	
2-Butanone (MEK)	ug/L	ND	5.0	05/02/18 10:05	
2-Chlorotoluene	ug/L	ND	1.0	05/02/18 10:05	
4-Chlorotoluene	ug/L	ND	1.0	05/02/18 10:05	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	05/02/18 10:05	
Acetone	ug/L	ND	20.0	05/02/18 10:05	
Allyl chloride	ug/L	ND	4.0	05/02/18 10:05	
Benzene	ug/L	ND	1.0	05/02/18 10:05	
Bromobenzene	ug/L	ND	1.0	05/02/18 10:05	
Bromochloromethane	ug/L	ND	1.0	05/02/18 10:05	
Bromodichloromethane	ug/L	ND	1.0	05/02/18 10:05	
Bromoform	ug/L	ND	4.0	05/02/18 10:05	
Bromomethane	ug/L	ND	4.0	05/02/18 10:05	
Carbon tetrachloride	ug/L	ND	1.0	05/02/18 10:05	
Chlorobenzene	ug/L	ND	1.0	05/02/18 10:05	
Chloroethane	ug/L	ND	1.0	05/02/18 10:05	
Chloroform	ug/L	ND	1.0	05/02/18 10:05	
Chloromethane	ug/L	ND	4.0	05/02/18 10:05	
cis-1,2-Dichloroethene	ug/L	ND	1.0	05/02/18 10:05	
cis-1,3-Dichloropropene	ug/L	ND	4.0	05/02/18 10:05	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

METHOD BLANK: 2910647 Matrix: Water
Associated Lab Samples: 10429059002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	ND	1.0	05/02/18 10:05	
Dibromomethane	ug/L	ND	4.0	05/02/18 10:05	
Dichlorodifluoromethane	ug/L	ND	1.0	05/02/18 10:05	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	05/02/18 10:05	
Ethylbenzene	ug/L	ND	1.0	05/02/18 10:05	
Hexachloro-1,3-butadiene	ug/L	ND	4.0	05/02/18 10:05	MN
Isopropylbenzene (Cumene)	ug/L	ND	1.0	05/02/18 10:05	
Methyl-tert-butyl ether	ug/L	ND	1.0	05/02/18 10:05	
Methylene Chloride	ug/L	ND	4.0	05/02/18 10:05	
n-Butylbenzene	ug/L	ND	4.0	05/02/18 10:05	MN
n-Propylbenzene	ug/L	ND	1.0	05/02/18 10:05	
Naphthalene	ug/L	ND	4.0	05/02/18 10:05	
p-Isopropyltoluene	ug/L	ND	4.0	05/02/18 10:05	MN
sec-Butylbenzene	ug/L	ND	1.0	05/02/18 10:05	
Styrene	ug/L	ND	1.0	05/02/18 10:05	
tert-Butylbenzene	ug/L	ND	1.0	05/02/18 10:05	
Tetrachloroethene	ug/L	ND	1.0	05/02/18 10:05	
Tetrahydrofuran	ug/L	ND	10.0	05/02/18 10:05	
Toluene	ug/L	ND	1.0	05/02/18 10:05	
trans-1,2-Dichloroethene	ug/L	ND	1.0	05/02/18 10:05	
trans-1,3-Dichloropropene	ug/L	ND	4.0	05/02/18 10:05	
Trichloroethene	ug/L	ND	0.40	05/02/18 10:05	
Trichlorofluoromethane	ug/L	ND	1.0	05/02/18 10:05	
Vinyl chloride	ug/L	ND	0.20	05/02/18 10:05	
Xylene (Total)	ug/L	ND	3.0	05/02/18 10:05	
1,2-Dichloroethane-d4 (S)	%.	101	75-125	05/02/18 10:05	
4-Bromofluorobenzene (S)	%.	102	75-125	05/02/18 10:05	
Toluene-d8 (S)	%.	98	75-125	05/02/18 10:05	

LABORATORY CONTROL SAMPLE: 2910648

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.3	91	75-125	
1,1,1-Trichloroethane	ug/L	20	19.9	100	75-125	
1,1,2,2-Tetrachloroethane	ug/L	20	19.8	99	75-129	
1,1,2-Trichloroethane	ug/L	20	20.8	104	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	20	19.4	97	74-125	
1,1-Dichloroethane	ug/L	20	20.3	101	75-127	
1,1-Dichloroethene	ug/L	20	19.4	97	73-125	
1,1-Dichloropropene	ug/L	20	20.3	102	75-125	
1,2,3-Trichlorobenzene	ug/L	20	17.9	90	74-126	
1,2,3-Trichloropropane	ug/L	20	18.5	93	75-125	
1,2,4-Trichlorobenzene	ug/L	20	18.1	91	75-125	
1,2,4-Trimethylbenzene	ug/L	20	20.2	101	75-125	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
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(612)607-1700

QUALITY CONTROL DATA

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

LABORATORY CONTROL SAMPLE: 2910648

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	50	45.2	90	64-129	
1,2-Dibromoethane (EDB)	ug/L	20	20.1	100	75-125	
1,2-Dichlorobenzene	ug/L	20	19.3	97	75-125	
1,2-Dichloroethane	ug/L	20	19.5	98	74-125	
1,2-Dichloropropane	ug/L	20	20.0	100	75-125	
1,3,5-Trimethylbenzene	ug/L	20	20.5	102	75-125	
1,3-Dichlorobenzene	ug/L	20	19.2	96	75-125	
1,3-Dichloropropane	ug/L	20	20.0	100	75-125	
1,4-Dichlorobenzene	ug/L	20	19.2	96	75-125	
2,2-Dichloropropane	ug/L	20	19.9	100	70-125	
2-Butanone (MEK)	ug/L	100	94.8	95	57-130	
2-Chlorotoluene	ug/L	20	19.6	98	75-125	
4-Chlorotoluene	ug/L	20	19.9	100	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	100	103	103	69-137	
Acetone	ug/L	100	84.6	85	32-150	
Allyl chloride	ug/L	20	18.6	93	64-135	
Benzene	ug/L	20	19.7	98	75-126	
Bromobenzene	ug/L	20	19.0	95	75-125	
Bromochloromethane	ug/L	20	19.8	99	75-126	
Bromodichloromethane	ug/L	20	19.1	96	75-125	
Bromoform	ug/L	20	18.9	94	67-125	
Bromomethane	ug/L	20	15.2	76	30-150	
Carbon tetrachloride	ug/L	20	18.8	94	75-125	
Chlorobenzene	ug/L	20	19.4	97	75-125	
Chloroethane	ug/L	20	19.9	100	64-142	
Chloroform	ug/L	20	18.0	90	75-125	
Chloromethane	ug/L	20	17.4	87	40-150	
cis-1,2-Dichloroethene	ug/L	20	19.5	98	75-125	
cis-1,3-Dichloropropene	ug/L	20	21.4	107	75-125	
Dibromochloromethane	ug/L	20	19.4	97	75-125	
Dibromomethane	ug/L	20	19.4	97	75-125	
Dichlorodifluoromethane	ug/L	20	19.5	97	61-132	
Diethyl ether (Ethyl ether)	ug/L	20	19.0	95	74-125	
Ethylbenzene	ug/L	20	19.3	96	75-125	
Hexachloro-1,3-butadiene	ug/L	20	18.0	90	75-125	
Isopropylbenzene (Cumene)	ug/L	20	20.1	101	75-125	
Methyl-tert-butyl ether	ug/L	20	19.6	98	73-129	
Methylene Chloride	ug/L	20	19.3	96	72-125	
n-Butylbenzene	ug/L	20	18.5	93	75-125	
n-Propylbenzene	ug/L	20	20.1	100	75-125	
Naphthalene	ug/L	20	17.8	89	65-126	
p-Isopropyltoluene	ug/L	20	19.1	95	75-125	
sec-Butylbenzene	ug/L	20	19.7	99	75-125	
Styrene	ug/L	20	20.0	100	75-125	
tert-Butylbenzene	ug/L	20	19.8	99	75-125	
Tetrachloroethene	ug/L	20	19.3	97	75-125	
Tetrahydrofuran	ug/L	200	163	81	30-150	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
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(612)607-1700

QUALITY CONTROL DATA

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

LABORATORY CONTROL SAMPLE: 2910648

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	19.3	97	74-125	
trans-1,2-Dichloroethene	ug/L	20	20.0	100	70-126	
trans-1,3-Dichloropropene	ug/L	20	19.3	97	75-125	
Trichloroethene	ug/L	20	19.6	98	75-125	
Trichlorofluoromethane	ug/L	20	19.4	97	71-131	
Vinyl chloride	ug/L	20	20.3	102	65-137	
Xylene (Total)	ug/L	60	58.1	97	75-125	
1,2-Dichloroethane-d4 (S)	%.			101	75-125	
4-Bromofluorobenzene (S)	%.			100	75-125	
Toluene-d8 (S)	%.			101	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2910649 2910650

Parameter	Units	10429382005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	<0.14	20	20	15.3	13.9	77	69	69-130	10	30	
1,1,1-Trichloroethane	ug/L	<0.15	20	20	17.9	17.0	90	85	72-133	5	30	
1,1,2,2-Tetrachloroethane	ug/L	<0.19	20	20	16.6	14.7	83	73	60-137	12	30	
1,1,2-Trichloroethane	ug/L	<0.22	20	20	17.2	15.5	86	77	70-128	11	30	
1,1,2-Trichlorotrifluoroethane	ug/L	<0.28	20	20	18.5	17.3	92	86	64-147	7	30	
1,1-Dichloroethane	ug/L	<0.14	20	20	18.0	16.5	90	82	64-136	9	30	
1,1-Dichloroethene	ug/L	<0.18	20	20	18.1	16.9	91	84	67-139	7	30	
1,1-Dichloropropene	ug/L	<0.18	20	20	18.9	17.7	95	88	69-131	7	30	
1,2,3-Trichlorobenzene	ug/L	<0.14	20	20	15.0	14.3	75	72	60-138	4	30	
1,2,3-Trichloropropane	ug/L	<0.66	20	20	16.0	14.2	80	71	67-129	12	30	
1,2,4-Trichlorobenzene	ug/L	<0.18	20	20	15.2	14.2	76	71	71-125	6	30	
1,2,4-Trimethylbenzene	ug/L	<0.14	20	20	17.0	15.9	85	79	67-130	7	30	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	50	50	37.9	33.5	76	67	52-141	12	30	
1,2-Dibromoethane (EDB)	ug/L	<0.24	20	20	16.4	14.6	82	73	66-130	11	30	
1,2-Dichlorobenzene	ug/L	<0.21	20	20	16.0	14.9	80	74	72-126	7	30	
1,2-Dichloroethane	ug/L	<0.32	20	20	16.2	14.9	81	75	64-125	8	30	
1,2-Dichloropropane	ug/L	<0.62	20	20	16.4	15.3	82	77	65-128	7	30	
1,3,5-Trimethylbenzene	ug/L	<0.18	20	20	17.4	16.2	87	81	63-139	8	30	
1,3-Dichlorobenzene	ug/L	<0.16	20	20	16.1	14.9	80	74	70-128	8	30	
1,3-Dichloropropane	ug/L	<0.13	20	20	16.4	15.0	82	75	70-131	9	30	
1,4-Dichlorobenzene	ug/L	<0.10	20	20	16.0	14.9	80	75	74-125	7	30	
2,2-Dichloropropane	ug/L	<0.40	20	20	18.1	17.1	90	85	58-137	6	30	
2-Butanone (MEK)	ug/L	<2.4	100	100	78.6	71.3	79	71	45-132	10	30	
2-Chlorotoluene	ug/L	<0.20	20	20	17.1	15.7	85	79	66-134	8	30	
4-Chlorotoluene	ug/L	<0.13	20	20	16.9	15.5	84	77	70-132	8	30	
4-Methyl-2-pentanone (MIBK)	ug/L	<0.55	100	100	83.8	76.6	84	77	54-143	9	30	
Acetone	ug/L	<8.8	100	100	64.8	60.9	65	61	51-150	6	30	
Allyl chloride	ug/L	<1.0	20	20	16.2	15.3	81	77	52-150	5	30	
Benzene	ug/L	<0.34	20	20	17.0	16.1	85	80	62-140	6	30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2910649 2910650

Parameter	Units	10429382005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Bromobenzene	ug/L	<0.16	20	20	15.8	14.6	79	73	70-128	7	30	
Bromochloromethane	ug/L	<0.38	20	20	17.0	15.8	85	79	65-131	7	30	
Bromodichloromethane	ug/L	<0.20	20	20	16.1	14.8	81	74	74-127	8	30	
Bromoform	ug/L	<1.0	20	20	15.3	13.9	76	69	59-125	10	30	
Bromomethane	ug/L	<1.5	20	20	12.5	14.2	63	71	30-149	13	30	
Carbon tetrachloride	ug/L	<0.20	20	20	17.2	16.2	86	81	67-134	6	30	
Chlorobenzene	ug/L	<0.14	20	20	16.3	15.0	81	75	72-131	8	30	
Chloroethane	ug/L	<0.44	20	20	14.6	18.1	73	90	55-150	22	30	
Chloroform	ug/L	<0.46	20	20	15.0	14.1	75	71	67-125	6	30	
Chloromethane	ug/L	<1.1	20	20	12.9	15.6	64	78	43-148	19	30	
cis-1,2-Dichloroethene	ug/L	<0.20	20	20	17.0	15.9	85	79	62-132	7	30	
cis-1,3-Dichloropropene	ug/L	<0.12	20	20	17.8	16.2	89	81	63-129	9	30	
Dibromochloromethane	ug/L	<0.13	20	20	15.9	14.7	79	74	67-127	8	30	
Dibromomethane	ug/L	<0.50	20	20	16.0	14.7	80	74	68-132	8	30	
Dichlorodifluoromethane	ug/L	<0.31	20	20	14.5	18.2	73	91	59-144	23	30	
Diethyl ether (Ethyl ether)	ug/L	<1.3	20	20	15.5	14.0	78	70	52-139	10	30	
Ethylbenzene	ug/L	<0.14	20	20	16.0	15.0	80	75	75-131	6	30	
Hexachloro-1,3-butadiene	ug/L	<0.48	20	20	17.3	15.2	86	76	58-146	13	30	
Isopropylbenzene (Cumene)	ug/L	<0.17	20	20	17.2	16.1	86	81	71-132	7	30	
Methyl-tert-butyl ether	ug/L	<0.40	20	20	16.2	14.9	81	74	65-130	9	30	
Methylene Chloride	ug/L	<1.2	20	20	16.2	15.1	81	75	66-125	7	30	
n-Butylbenzene	ug/L	<0.13	20	20	16.3	15.2	81	76	57-141	6	30	
n-Propylbenzene	ug/L	<0.15	20	20	17.3	16.1	86	81	70-131	7	30	
Naphthalene	ug/L	<0.42	20	20	14.7	13.4	74	67	48-134	9	30	
p-Isopropyltoluene	ug/L	<0.14	20	20	16.6	15.3	83	77	66-136	8	30	
sec-Butylbenzene	ug/L	<0.12	20	20	17.2	16.5	86	83	69-134	4	30	
Styrene	ug/L	<0.14	20	20	16.9	15.3	84	77	65-134	10	30	
tert-Butylbenzene	ug/L	<0.15	20	20	17.5	16.4	88	82	71-130	6	30	
Tetrachloroethene	ug/L	<0.16	20	20	17.1	15.8	85	79	69-135	8	30	
Tetrahydrofuran	ug/L	<4.3	200	200	123	115	62	58	48-150	6	30	
Toluene	ug/L	<0.17	20	20	16.6	15.2	83	76	68-132	9	30	
trans-1,2-Dichloroethene	ug/L	<0.21	20	20	17.5	16.4	88	82	61-134	7	30	
trans-1,3-Dichloropropene	ug/L	<0.14	20	20	16.2	14.9	81	75	66-125	8	30	
Trichloroethene	ug/L	<0.18	20	20	17.3	16.1	87	81	64-136	7	30	
Trichlorofluoromethane	ug/L	<0.13	20	20	14.3	17.5	72	87	65-146	20	30	
Vinyl chloride	ug/L	<0.096	20	20	14.9	18.8	74	94	51-150	23	30	
Xylene (Total)	ug/L	<0.24	60	60	49.9	46.6	83	78	69-135	7	30	
1,2-Dichloroethane-d4 (S)	%.						101	100	75-125			
4-Bromofluorobenzene (S)	%.						102	101	75-125			
Toluene-d8 (S)	%.						101	101	75-125			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

QC Batch: 535690 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV 465 W
Associated Lab Samples: 10429059001, 10429059003, 10429059004, 10429059005, 10429059006, 10429059007, 10429059008, 10429059009, 10429059010

METHOD BLANK: 2911288 Matrix: Water
Associated Lab Samples: 10429059001, 10429059003, 10429059004, 10429059005, 10429059006, 10429059007, 10429059008, 10429059009, 10429059010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	05/02/18 19:40	
1,1,1-Trichloroethane	ug/L	ND	1.0	05/02/18 19:40	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	05/02/18 19:40	
1,1,2-Trichloroethane	ug/L	ND	1.0	05/02/18 19:40	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	05/02/18 19:40	
1,1-Dichloroethane	ug/L	ND	1.0	05/02/18 19:40	
1,1-Dichloroethene	ug/L	ND	1.0	05/02/18 19:40	
1,1-Dichloropropene	ug/L	ND	1.0	05/02/18 19:40	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	05/02/18 19:40	
1,2,3-Trichloropropane	ug/L	ND	4.0	05/02/18 19:40	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	05/02/18 19:40	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	05/02/18 19:40	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	05/02/18 19:40	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	05/02/18 19:40	
1,2-Dichlorobenzene	ug/L	ND	1.0	05/02/18 19:40	
1,2-Dichloroethane	ug/L	ND	1.0	05/02/18 19:40	
1,2-Dichloropropane	ug/L	ND	4.0	05/02/18 19:40	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	05/02/18 19:40	
1,3-Dichlorobenzene	ug/L	ND	1.0	05/02/18 19:40	
1,3-Dichloropropane	ug/L	ND	1.0	05/02/18 19:40	
1,4-Dichlorobenzene	ug/L	ND	1.0	05/02/18 19:40	
2,2-Dichloropropane	ug/L	ND	4.0	05/02/18 19:40	
2-Butanone (MEK)	ug/L	ND	5.0	05/02/18 19:40	
2-Chlorotoluene	ug/L	ND	1.0	05/02/18 19:40	
4-Chlorotoluene	ug/L	ND	1.0	05/02/18 19:40	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	05/02/18 19:40	
Acetone	ug/L	ND	20.0	05/02/18 19:40	
Allyl chloride	ug/L	ND	4.0	05/02/18 19:40	
Benzene	ug/L	ND	1.0	05/02/18 19:40	
Bromobenzene	ug/L	ND	1.0	05/02/18 19:40	
Bromochloromethane	ug/L	ND	1.0	05/02/18 19:40	
Bromodichloromethane	ug/L	ND	1.0	05/02/18 19:40	
Bromoform	ug/L	ND	4.0	05/02/18 19:40	
Bromomethane	ug/L	ND	4.0	05/02/18 19:40	
Carbon tetrachloride	ug/L	ND	1.0	05/02/18 19:40	
Chlorobenzene	ug/L	ND	1.0	05/02/18 19:40	
Chloroethane	ug/L	ND	1.0	05/02/18 19:40	
Chloroform	ug/L	ND	1.0	05/02/18 19:40	
Chloromethane	ug/L	ND	4.0	05/02/18 19:40	
cis-1,2-Dichloroethene	ug/L	ND	1.0	05/02/18 19:40	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

METHOD BLANK: 2911288 Matrix: Water

Associated Lab Samples: 10429059001, 10429059003, 10429059004, 10429059005, 10429059006, 10429059007, 10429059008, 10429059009, 10429059010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	ND	4.0	05/02/18 19:40	
Dibromochloromethane	ug/L	ND	1.0	05/02/18 19:40	
Dibromomethane	ug/L	ND	4.0	05/02/18 19:40	
Dichlorodifluoromethane	ug/L	ND	1.0	05/02/18 19:40	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	05/02/18 19:40	
Ethylbenzene	ug/L	ND	1.0	05/02/18 19:40	
Hexachloro-1,3-butadiene	ug/L	ND	4.0	05/02/18 19:40	MN
Isopropylbenzene (Cumene)	ug/L	ND	1.0	05/02/18 19:40	
Methyl-tert-butyl ether	ug/L	ND	1.0	05/02/18 19:40	
Methylene Chloride	ug/L	ND	4.0	05/02/18 19:40	
n-Butylbenzene	ug/L	ND	4.0	05/02/18 19:40	MN
n-Propylbenzene	ug/L	ND	1.0	05/02/18 19:40	
Naphthalene	ug/L	ND	4.0	05/02/18 19:40	
p-Isopropyltoluene	ug/L	ND	4.0	05/02/18 19:40	MN
sec-Butylbenzene	ug/L	ND	1.0	05/02/18 19:40	
Styrene	ug/L	ND	1.0	05/02/18 19:40	
tert-Butylbenzene	ug/L	ND	1.0	05/02/18 19:40	
Tetrachloroethene	ug/L	ND	1.0	05/02/18 19:40	
Tetrahydrofuran	ug/L	ND	10.0	05/02/18 19:40	
Toluene	ug/L	ND	1.0	05/02/18 19:40	
trans-1,2-Dichloroethene	ug/L	ND	1.0	05/02/18 19:40	
trans-1,3-Dichloropropene	ug/L	ND	4.0	05/02/18 19:40	
Trichloroethene	ug/L	ND	0.40	05/02/18 19:40	
Trichlorofluoromethane	ug/L	ND	1.0	05/02/18 19:40	
Vinyl chloride	ug/L	ND	0.20	05/02/18 19:40	
Xylene (Total)	ug/L	ND	3.0	05/02/18 19:40	
1,2-Dichloroethane-d4 (S)	%.	98	75-125	05/02/18 19:40	
4-Bromofluorobenzene (S)	%.	104	75-125	05/02/18 19:40	
Toluene-d8 (S)	%.	100	75-125	05/02/18 19:40	

LABORATORY CONTROL SAMPLE: 2911289

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.7	93	75-125	
1,1,1-Trichloroethane	ug/L	20	21.2	106	75-125	
1,1,2,2-Tetrachloroethane	ug/L	20	19.9	100	75-129	
1,1,2-Trichloroethane	ug/L	20	21.6	108	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	20	20.3	101	74-125	
1,1-Dichloroethane	ug/L	20	21.4	107	75-127	
1,1-Dichloroethene	ug/L	20	20.6	103	73-125	
1,1-Dichloropropene	ug/L	20	22.0	110	75-125	
1,2,3-Trichlorobenzene	ug/L	20	17.7	89	74-126	
1,2,3-Trichloropropane	ug/L	20	19.6	98	75-125	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

LABORATORY CONTROL SAMPLE: 2911289

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	20	17.7	88	75-125	
1,2,4-Trimethylbenzene	ug/L	20	20.3	102	75-125	
1,2-Dibromo-3-chloropropane	ug/L	50	44.7	89	64-129	
1,2-Dibromoethane (EDB)	ug/L	20	21.2	106	75-125	
1,2-Dichlorobenzene	ug/L	20	19.4	97	75-125	
1,2-Dichloroethane	ug/L	20	20.6	103	74-125	
1,2-Dichloropropane	ug/L	20	20.4	102	75-125	
1,3,5-Trimethylbenzene	ug/L	20	20.7	104	75-125	
1,3-Dichlorobenzene	ug/L	20	19.3	97	75-125	
1,3-Dichloropropane	ug/L	20	21.1	106	75-125	
1,4-Dichlorobenzene	ug/L	20	19.3	97	75-125	
2,2-Dichloropropane	ug/L	20	20.5	103	70-125	
2-Butanone (MEK)	ug/L	100	100	100	57-130	
2-Chlorotoluene	ug/L	20	20.4	102	75-125	
4-Chlorotoluene	ug/L	20	20.1	101	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	100	107	107	69-137	
Acetone	ug/L	100	86.1	86	32-150	
Allyl chloride	ug/L	20	19.9	100	64-135	
Benzene	ug/L	20	21.1	105	75-126	
Bromobenzene	ug/L	20	19.1	96	75-125	
Bromochloromethane	ug/L	20	21.5	107	75-126	
Bromodichloromethane	ug/L	20	19.8	99	75-125	
Bromoform	ug/L	20	18.8	94	67-125	
Bromomethane	ug/L	20	17.0	85	30-150	
Carbon tetrachloride	ug/L	20	19.1	95	75-125	
Chlorobenzene	ug/L	20	20.5	103	75-125	
Chloroethane	ug/L	20	21.5	107	64-142	
Chloroform	ug/L	20	19.4	97	75-125	
Chloromethane	ug/L	20	18.8	94	40-150	
cis-1,2-Dichloroethene	ug/L	20	20.8	104	75-125	
cis-1,3-Dichloropropene	ug/L	20	21.8	109	75-125	
Dibromochloromethane	ug/L	20	19.6	98	75-125	
Dibromomethane	ug/L	20	20.3	101	75-125	
Dichlorodifluoromethane	ug/L	20	20.2	101	61-132	
Diethyl ether (Ethyl ether)	ug/L	20	19.8	99	74-125	
Ethylbenzene	ug/L	20	20.1	100	75-125	
Hexachloro-1,3-butadiene	ug/L	20	17.1	85	75-125	
Isopropylbenzene (Cumene)	ug/L	20	21.7	108	75-125	
Methyl-tert-butyl ether	ug/L	20	20.6	103	73-129	
Methylene Chloride	ug/L	20	20.5	102	72-125	
n-Butylbenzene	ug/L	20	18.2	91	75-125	
n-Propylbenzene	ug/L	20	20.5	103	75-125	
Naphthalene	ug/L	20	17.3	87	65-126	
p-Isopropyltoluene	ug/L	20	19.0	95	75-125	
sec-Butylbenzene	ug/L	20	20.0	100	75-125	
Styrene	ug/L	20	21.4	107	75-125	
tert-Butylbenzene	ug/L	20	20.8	104	75-125	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

LABORATORY CONTROL SAMPLE: 2911289

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/L	20	20.2	101	75-125	
Tetrahydrofuran	ug/L	200	165	83	30-150	
Toluene	ug/L	20	20.6	103	74-125	
trans-1,2-Dichloroethene	ug/L	20	20.9	104	70-126	
trans-1,3-Dichloropropene	ug/L	20	20.5	102	75-125	
Trichloroethene	ug/L	20	20.6	103	75-125	
Trichlorofluoromethane	ug/L	20	20.9	104	71-131	
Vinyl chloride	ug/L	20	22.2	111	65-137	
Xylene (Total)	ug/L	60	62.4	104	75-125	
1,2-Dichloroethane-d4 (S)	%.			102	75-125	
4-Bromofluorobenzene (S)	%.			100	75-125	
Toluene-d8 (S)	%.			102	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2911290 2911291

Parameter	Units	10429693001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	2000	2000	2100	1730	105	87	69-130	19	30	
1,1,1-Trichloroethane	ug/L	ND	2000	2000	2330	1900	116	95	72-133	20	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	2000	2000	2320	1870	116	93	60-137	21	30	
1,1,2-Trichloroethane	ug/L	ND	2000	2000	2400	1980	120	99	70-128	19	30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	2000	2000	2310	1860	115	93	64-147	22	30	
1,1-Dichloroethane	ug/L	ND	2000	2000	2370	1920	118	96	64-136	21	30	
1,1-Dichloroethene	ug/L	ND	2000	2000	2270	1850	113	92	67-139	20	30	
1,1-Dichloropropene	ug/L	ND	2000	2000	2390	1960	119	98	69-131	20	30	
1,2,3-Trichlorobenzene	ug/L	ND	2000	2000	2120	1680	106	84	60-138	23	30	
1,2,3-Trichloropropane	ug/L	ND	2000	2000	2310	1800	116	90	67-129	25	30	
1,2,4-Trichlorobenzene	ug/L	ND	2000	2000	2060	1690	103	85	71-125	19	30	
1,2,4-Trimethylbenzene	ug/L	ND	2000	2000	2330	1860	117	93	67-130	22	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	5000	5000	5380	4330	108	87	52-141	22	30	
1,2-Dibromoethane (EDB)	ug/L	ND	2000	2000	2300	1890	115	95	66-130	19	30	
1,2-Dichlorobenzene	ug/L	ND	2000	2000	2230	1810	111	90	72-126	21	30	
1,2-Dichloroethane	ug/L	ND	2000	2000	2270	1850	113	93	64-125	20	30	
1,2-Dichloropropane	ug/L	ND	2000	2000	2270	1830	113	92	65-128	21	30	
1,3,5-Trimethylbenzene	ug/L	ND	2000	2000	2370	1880	118	94	63-139	23	30	
1,3-Dichlorobenzene	ug/L	ND	2000	2000	2210	1760	110	88	70-128	23	30	
1,3-Dichloropropane	ug/L	ND	2000	2000	2300	1900	115	95	70-131	19	30	
1,4-Dichlorobenzene	ug/L	ND	2000	2000	2240	1770	112	88	74-125	24	30	
2,2-Dichloropropane	ug/L	ND	2000	2000	2220	1840	111	92	58-137	19	30	
2-Butanone (MEK)	ug/L	ND	10000	10000	11600	9360	116	94	45-132	21	30	
2-Chlorotoluene	ug/L	ND	2000	2000	2300	1850	115	92	66-134	22	30	
4-Chlorotoluene	ug/L	ND	2000	2000	2300	1830	115	92	70-132	23	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10000	10000	11900	9730	119	97	54-143	20	30	
Acetone	ug/L	ND	10000	10000	9730	7810	97	78	51-150	22	30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2911290 2911291

Parameter	Units	10429693001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Allyl chloride	ug/L	ND	2000	2000	2180	1800	109	90	52-150	19	30	
Benzene	ug/L	ND	2000	2000	2290	1850	114	92	62-140	21	30	
Bromobenzene	ug/L	ND	2000	2000	2180	1740	109	87	70-128	22	30	
Bromochloromethane	ug/L	ND	2000	2000	2340	1960	117	98	65-131	18	30	
Bromodichloromethane	ug/L	ND	2000	2000	2220	1820	111	91	74-127	20	30	
Bromoform	ug/L	ND	2000	2000	2160	1830	108	92	59-125	16	30	
Bromomethane	ug/L	ND	2000	2000	1860	1690	93	85	30-149	10	30	
Carbon tetrachloride	ug/L	ND	2000	2000	2150	1770	108	88	67-134	20	30	
Chlorobenzene	ug/L	ND	2000	2000	2200	1790	110	90	72-131	20	30	
Chloroethane	ug/L	ND	2000	2000	2300	2010	115	100	55-150	13	30	
Chloroform	ug/L	ND	2000	2000	2050	1680	103	84	67-125	20	30	
Chloromethane	ug/L	ND	2000	2000	2050	1770	102	89	43-148	14	30	
cis-1,2-Dichloroethene	ug/L	ND	2000	2000	2300	1930	115	97	62-132	17	30	
cis-1,3-Dichloropropene	ug/L	ND	2000	2000	2430	2030	122	102	63-129	18	30	
Dibromochloromethane	ug/L	ND	2000	2000	2180	1830	109	92	67-127	17	30	
Dibromomethane	ug/L	ND	2000	2000	2270	1880	114	94	68-132	19	30	
Dichlorodifluoromethane	ug/L	ND	2000	2000	2190	1910	110	95	59-144	14	30	
Diethyl ether (Ethyl ether)	ug/L	ND	2000	2000	2220	1850	111	92	52-139	18	30	
Ethylbenzene	ug/L	ND	2000	2000	2190	1790	110	89	75-131	20	30	
Hexachloro-1,3-butadiene	ug/L	ND	2000	2000	2070	1530	103	76	58-146	30	30	
Isopropylbenzene (Cumene)	ug/L	ND	2000	2000	2360	1910	118	96	71-132	21	30	
Methyl-tert-butyl ether	ug/L	ND	2000	2000	2290	1890	114	95	65-130	19	30	
Methylene Chloride	ug/L	ND	2000	2000	2240	1870	110	91	66-125	18	30	
n-Butylbenzene	ug/L	ND	2000	2000	2150	1680	108	84	57-141	25	30	
n-Propylbenzene	ug/L	ND	2000	2000	2330	1830	116	92	70-131	24	30	
Naphthalene	ug/L	ND	2000	2000	2140	1690	107	84	48-134	24	30	
p-Isopropyltoluene	ug/L	ND	2000	2000	2170	1730	109	86	66-136	23	30	
sec-Butylbenzene	ug/L	ND	2000	2000	2300	1800	115	90	69-134	25	30	
Styrene	ug/L	ND	2000	2000	2340	1910	117	96	65-134	20	30	
tert-Butylbenzene	ug/L	ND	2000	2000	2360	1870	118	94	71-130	23	30	
Tetrachloroethene	ug/L	ND	2000	2000	2210	1780	111	89	69-135	22	30	
Tetrahydrofuran	ug/L	ND	20000	20000	18700	15000	93	75	48-150	22	30	
Toluene	ug/L	ND	2000	2000	2170	1780	109	89	68-132	20	30	
trans-1,2-Dichloroethene	ug/L	ND	2000	2000	2280	1840	114	92	61-134	21	30	
trans-1,3-Dichloropropene	ug/L	ND	2000	2000	2230	1820	112	91	66-125	20	30	
Trichloroethene	ug/L	ND	2000	2000	2240	1870	112	94	64-136	18	30	
Trichlorofluoromethane	ug/L	ND	2000	2000	2260	1960	113	98	65-146	14	30	
Vinyl chloride	ug/L	ND	2000	2000	2370	2090	118	104	51-150	13	30	
Xylene (Total)	ug/L	ND	6000	6000	6860	5530	114	92	69-135	22	30	
1,2-Dichloroethane-d4 (S)	%.						102	102	75-125			HS
4-Bromofluorobenzene (S)	%.						101	100	75-125			
Toluene-d8 (S)	%.						101	100	75-125			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

QC Batch: 535320 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 10429059002, 10429059003, 10429059004

METHOD BLANK: 2909376 Matrix: Water
Associated Lab Samples: 10429059002, 10429059003, 10429059004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	05/01/18 13:34	FS

LABORATORY CONTROL SAMPLE: 2909377

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2.5	2.5	100	90-110	FS

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2909378 2909379

Parameter	Units	10428970001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	ND	2.5	2.5	2.5	2.5	99	100	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2909380 2909381

Parameter	Units	10428970002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	ND	2.5	2.5	2.6	2.5	104	102	90-110	3	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

QC Batch: 535323 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 10429059005, 10429059006, 10429059007, 10429059008, 10429059009, 10429059010

METHOD BLANK: 2909391 Matrix: Water
Associated Lab Samples: 10429059005, 10429059006, 10429059007, 10429059008, 10429059009, 10429059010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	05/01/18 14:18	FS

LABORATORY CONTROL SAMPLE: 2909392

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2.5	2.6	104	90-110	FS

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2909393 2909394

Parameter	Units	10429112002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	ND	2.5	2.5	2.5	2.4	101	97	90-110	4	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2909395 2909396

Parameter	Units	10429112003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	ND	2.5	2.5	2.6	2.5	105	100	90-110	5	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(612)607-1700

QUALITY CONTROL DATA

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

QC Batch: 534901 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 10429059002, 10429059003, 10429059004, 10429059005, 10429059006, 10429059007, 10429059008, 10429059009, 10429059010

METHOD BLANK: 2906466 Matrix: Water
Associated Lab Samples: 10429059002, 10429059003, 10429059004, 10429059005, 10429059006, 10429059007, 10429059008, 10429059009, 10429059010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	0.020	04/28/18 12:42	FS

LABORATORY CONTROL SAMPLE: 2906467

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	1	1.0	101	90-110	FS

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2906468 2906469

Parameter	Units	10429475001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	4.3	5	5	10.1	10.1	115	115	90-110	0	20	E,M1

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-M	Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

E	Analyte concentration exceeded the calibration range. The reported result is estimated.
FS	The sample was filtered in the laboratory prior to analysis.
HS	Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
MN	The reporting limit has been raised in accordance with Minnesota Statutes 4740.2100 Subpart 8. C, D. Reporting Limit Evaluation Rule.

Pace Analytical Services, LLC
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METHOD CROSS REFERENCE TABLE

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

Parameter	Matrix	Analytical Method	Preparation Method
8260B VOC	Water	SW-846 8260B/5030B	N/A

Pace Analytical Services, LLC
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(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10429059002	**MW-1**	EPA 3020	535216	EPA 6020B	535710
10429059003	**MW-2**	EPA 3020	535216	EPA 6020B	535710
10429059004	**MW-3**	EPA 3020	535216	EPA 6020B	535710
10429059005	**MW-4**	EPA 3020	535216	EPA 6020B	535710
10429059006	**MW-5R**	EPA 3020	535216	EPA 6020B	535710
10429059007	**MW-6**	EPA 3020	535216	EPA 6020B	535710
10429059008	**MW-7**	EPA 3020	535216	EPA 6020B	535710
10429059009	**MW-8**	EPA 3020	535216	EPA 6020B	535710
10429059010	**Field Blank**	EPA 3020	535216	EPA 6020B	535710
10429059002	**MW-1**	EPA 7470A	534953	EPA 7470A	535187
10429059003	**MW-2**	EPA 7470A	534953	EPA 7470A	535187
10429059004	**MW-3**	EPA 7470A	534953	EPA 7470A	535187
10429059005	**MW-4**	EPA 7470A	534953	EPA 7470A	535187
10429059006	**MW-5R**	EPA 7470A	534953	EPA 7470A	535187
10429059007	**MW-6**	EPA 7470A	534953	EPA 7470A	535187
10429059008	**MW-7**	EPA 7470A	534953	EPA 7470A	535187
10429059009	**MW-8**	EPA 7470A	534953	EPA 7470A	535187
10429059010	**Field Blank**	EPA 7470A	534953	EPA 7470A	535187
10429059001	**Trip Blank**	EPA 8260B	535690		
10429059002	**MW-1**	EPA 8260B	535541		
10429059003	**MW-2**	EPA 8260B	535690		
10429059004	**MW-3**	EPA 8260B	535690		
10429059005	**MW-4**	EPA 8260B	535690		
10429059006	**MW-5R**	EPA 8260B	535690		
10429059007	**MW-6**	EPA 8260B	535690		
10429059008	**MW-7**	EPA 8260B	535690		
10429059009	**MW-8**	EPA 8260B	535690		
10429059010	**Field Blank**	EPA 8260B	535690		
10429059002	**MW-1**	EPA 350.1	535320		
10429059003	**MW-2**	EPA 350.1	535320		
10429059004	**MW-3**	EPA 350.1	535320		
10429059005	**MW-4**	EPA 350.1	535323		
10429059006	**MW-5R**	EPA 350.1	535323		
10429059007	**MW-6**	EPA 350.1	535323		
10429059008	**MW-7**	EPA 350.1	535323		
10429059009	**MW-8**	EPA 350.1	535323		
10429059010	**Field Blank**	EPA 350.1	535323		
10429059002	**MW-1**	EPA 353.2	534901		
10429059003	**MW-2**	EPA 353.2	534901		
10429059004	**MW-3**	EPA 353.2	534901		
10429059005	**MW-4**	EPA 353.2	534901		
10429059006	**MW-5R**	EPA 353.2	534901		
10429059007	**MW-6**	EPA 353.2	534901		
10429059008	**MW-7**	EPA 353.2	534901		
10429059009	**MW-8**	EPA 353.2	534901		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 10101457 Simplot Sunnyside
Pace Project No.: 10429059

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10429059010	**Field Blank**	EPA 353.2	534901		

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request D

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields mus

WO# : 10429059

10429059

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	HDR Engineering	Report To:	Alyssa Chase	Attention:	Accounts Payable
Address:	412 E. Parkcenter Blvd	Copy To:		Company Name:	HDR Engineering
	Suite 100, Boise, ID 83706			Address:	412 E Parkcenter Blvd, Suite 100 Boise, ID 83706
Email:	alyssa.chase@hdrinc.com	Purchase Order #:		Pace Quote:	00046313; Chris Norman
Phone:	208-387-7113 Fax	Project Name:	Simplot Sunnyside	Pace Project Manager:	jennifer.gross@pacelabs.com,
Requested Due Date:	10 Day Standard Turn	Project #:	1610457 (used to be 1001763)	Pace Profile #:	38721

Regulatory Agency

State / Location: WA / Sunnyside

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Nitrate+Nitrite by 353.2	Ammonia by 350.1	6020/7470 RCRA8	VOCs by 8260	Residual Chlorine (Y/N)	
1	Trip Blank	WT		4/25/18	1450				3				X									X		001
2	MW-1			4/25/18	1120				5		X	X	X						X	X	X	X		002
3	MW-2				1044						X	X	X						X	X	X	X		003
4	MW-3				1200						X	X	X						X	X	X	X		004
5	MW-4				1245						X	X	X						X	X	X	X		005
6	MW-5R				1319						X	X	X						X	X	X	X		006
7	MW-6				1440						X	X	X						X	X	X	X		007
8	MW-7				1406						X	X	X						X	X	X	X		008
9	MW-8				0930						X	X	X						X	X	X	X		009
10	Field Blank				1328						X	X	X						X	X	X	X		010
11																								
12																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Trip blank appears to have bubbles in it.	Alyssa Chase / HDR	4/26/18	0930	Pace	4/27/18	1000	2.6	Y	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Alyssa Chase

SIGNATURE of SAMPLER: Alyssa Chase

DATE Signed: 4/26/18

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

Pace Analytical	Document Name: **Sample Condition Upon Receipt Form**	Document Revised: 14Dec2017 Page 1 of 2
	Document No.: **F-MN-L-213-rev.22**	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: HDR Eng.

Project #: WO#: 10429059

PM: JMG Due Date: 05/04/18

CLIENT: HDR_WA

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ SpeeDee ☐ Other:

Tracking Number: 7475 9639 1798

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

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other: **Temp Blank?** ☒ Yes ☐ No

Thermometer Used: ☐ 151401163 ☒ G87A9155100842

Type of Ice: ☒ Wet ☐ Blue ☐ None ☐ Dry ☐ Melted

Cooler Temp Read (°C): 2.6 **Cooler Temp Corrected (°C):** 2.6

Biological Tissue Frozen? ☐ Yes ☐ No ☒ N/A

Temp should be above freezing to 6°C **Correction Factor:** true **Date and Initials of Person Examining Contents:** MD 4/27/18

USDA Regulated Soil (☒ N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA. MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present?	☒ Yes	☐ No		1.
Chain of Custody Filled Out?	☒ Yes	☐ No		2.
Chain of Custody Relinquished?	☒ Yes	☐ No		3.
Sampler Name and/or Signature on COC?	☒ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time?	☒ Yes	☐ No		5.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☒ No		6.
Rush Turn Around Time Requested?	☐ Yes	☒ No		7.
Sufficient Volume?	☒ Yes	☐ No		8.
Correct Containers Used?	☒ Yes	☐ No		9.
-Pace Containers Used?	☒ Yes	☐ No		
Containers Intact?	☒ Yes	☐ No		10.
Filtered Volume Received for Dissolved Tests?	☐ Yes	☐ No	☒ N/A	11. Note if sediment is visible in the dissolved container
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: WT	☒ Yes	☐ No		12.
All containers needing acid/base preservation have been checked? All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, <2pH, NaOH >9 Sulfide, NaOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin.	☒ Yes	☐ No	☐ N/A	13. ☒ HNO_3 ☒ H_2SO_4 ☐ NaOH Positive for Res. Chlorine? Y N Sample # 2-10: 1/1 1/1 Initial when completed: Lot # of added preservative:
Headspace in VOA Vials (>6mm)?	☐ Yes	☒ No	☐ N/A	14. See exceptions
Trip Blank Present?	☒ Yes	☐ No	☐ N/A	15.
Trip Blank Custody Seals Present? Pace Trip Blank Lot # (if purchased): 156442	☒ Yes	☐ No	☐ N/A	

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: JENNI GROSS **Date:** 04/30/18

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

Pace Analytical	Document Name: **Headspace Exception**	Document Revised: 06Nov2017 Page 1 of 1
	Document No.: **F-MN-C-276-Rev.00**	Issuing Authority: Pace Minnesota Quality Office

Sample ID	Headspace > 6mm	Headspace < 6mm	No Headspace	Total Vials
Trip Blank	0	3	0	3
mw-1	0	0	3	3
mw-2	0	0	3	3
mw-3	0	0	3	3
mw-4	0	3	0	3
mw-5R	0	1	2	3
mw-6	0	0	3	3
mw-7	0	0	3	3
mw-8	0	1	2	3
Field Blank	0	0	3	3

Groundwater Sampling Information

Sample ID: MW-7		**Date:** 6/20/18	
Project: Simplot Grower Solutions		Project No: ~~10017631~~ 10101457	
Location: Sunnyside WA			
Depth to Water: 12.71		Measuring Point: TPVC	
Well Depth: 24.45'	Water Ht.: 11.74	Measuring Point: TPVC	
Casing Diameter: 2 inch	Factor: 1 inch = 0.04	2 inch = 0.16	3 inch = 0.66
One Casing Volume (gallons): 1.878		Three Casing Volumes (gallons): 5.635	
Sampling Method: ~~Disposable Bailer~~ Peristaltic pump			
Sampling Equipment: ~~New disposable bailers and new line~~ new disposable tubing/peristaltic pump			
Pump: ~~NA~~ Peristaltic pump		Pump Intake: NA	
Decontamination: None required - disposable tubing			

Time	pH (SI units)	Temperature (degrees C)	Conductivity (ms)	Clarity	Cumulative Volume Purged (gallons)
0. 1057	----------	----------	----------	----------	0
1. 1100	5.50	18.06	0.466	clear	1
2. 1105	6.80	17.39	0.423	clear	2
3. 1108	6.93	17.16	0.428	clear	2.5
4. 1112	7.19	17.19	0.414	clear	3
5. 1115	7.29	17.33	0.414	clear	3.5
6. 1117	7.28	17.32	0.415	clear	4
7. 1120	7.49	17.30	0.416	clear	4.5
8. 1124	7.65	17.23	0.412	clear	5
9. 1123	7.68	17.15	0.415	clear	5.5
10. 1126	7.64	17.18	0.414	clear	6
Sample Time: 1128			Appearance/Odor: clear/no odor		

Analytical Laboratory: ESC in Mt. Juliet TN	
Chemical Analyses: VOCs (8260B)	
NO2, NO3; NH3	
8 RCRA Metal (dissolved)	
Duplicate: N/A	MS/MD:
Comments: Calibrated hydrolab @ 1043	
Signature: Alyssa Veatch	Company: HDR

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
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(612)607-1700

June 28, 2018

Alyssa Veatch
HDR Engineering
412 E Parkcenter Blvd
Suite 100
Boise, ID 83706

RE: Project: Simplot Sunnyside
Pace Project No.: 10436831

Dear Alyssa Veatch:
Enclosed are the analytical results for sample(s) received by the laboratory on June 22, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Jennifer Gross
jennifer.gross@pacelabs.com
(206)957-2426
Project Manager

Enclosures

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CERTIFICATIONS

Project: Simplot Sunnyside
Pace Project No.: 10436831

Minnesota Certification IDs

1700 Elm Street SE, Suite 200, Minneapolis, MN 55414-2485
A2LA Certification #: 2926.01
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014
Arkansas Certification #: 88-0680
California Certification #: 2929
CNMI Saipan Certification #:MP0003
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605
Georgia Certification #: 959
Guam EPA Certification #: MN00064
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: 03086
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064
Maryland Certification #: 322
Massachusetts Certification #: M-MN064
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: MN00064
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081
New Jersey Certification #: MN002
New York Certification #: 11647
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon NwTPH Certification #: MN300001
Oregon Secondary Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Virginia Certification #: 460163
Washington Certification #: C486
West Virginia DW Certification #: 9952 C
West Virginia DEP Certification #: 382
Wisconsin Certification #: 999407970

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SAMPLE SUMMARY

Project: Simplot Sunnyside
Pace Project No.: 10436831

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10436831001	**Trip Blank**	Water	06/20/18 00:00	06/22/18 09:40
10436831002	**MW-7**	Water	06/20/18 11:28	06/22/18 09:40

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SAMPLE ANALYTE COUNT

Project: Simplot Sunnyside
Pace Project No.: 10436831

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10436831001	**Trip Blank**	EPA 8260B	DS2	69	PASI-M
10436831002	**MW-7**	EPA 6020B	TT3	7	PASI-M
		EPA 7470A	LMW	1	PASI-M
		EPA 8260B	DS2	69	PASI-M
		EPA 350.1	JFP	1	PASI-M
		EPA 353.2	JFP	1	PASI-M

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PROJECT NARRATIVE

Project: Simplot Sunnyside
Pace Project No.: 10436831

Method: **EPA 6020B**
Description: 6020B MET ICPMS
Client: HDR Engineering, Inc.
Date: June 28, 2018

General Information:
1 sample was analyzed for EPA 6020B. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

Sample Preparation:
The samples were prepared in accordance with EPA 3020 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

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

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

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

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Simplot Sunnyside
Pace Project No.: 10436831

Method: **EPA 7470A**
Description: 7470A Mercury
Client: HDR Engineering, Inc.
Date: June 28, 2018

General Information:
1 sample was analyzed for EPA 7470A. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

Sample Preparation:
The samples were prepared in accordance with EPA 7470A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

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

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

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Simplot Sunnyside
Pace Project No.: 10436831

Method: **EPA 8260B**
Description: 8260B VOC
Client: HDR Engineering, Inc.
Date: June 28, 2018

General Information:
2 samples were analyzed for EPA 8260B. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

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

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

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

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

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 547008

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10436641006

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2974067)
  - 1,1,1,2-Tetrachloroethane
  - 1,1,2,2-Tetrachloroethane
  - 1,1,2-Trichloroethane
  - 1,1-Dichloroethene
  - 1,2,3-Trichlorobenzene
  - 1,2,3-Trichloropropane
  - 1,2,4-Trichlorobenzene
  - 1,2,4-Trimethylbenzene
  - 1,2-Dibromoethane (EDB)
  - 1,2-Dichlorobenzene
  - 1,2-Dichloroethane
  - 1,3,5-Trimethylbenzene

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PROJECT NARRATIVE

Project: Simplot Sunnyside
Pace Project No.: 10436831

Method: **EPA 8260B**
Description: 8260B VOC
Client: HDR Engineering, Inc.
Date: June 28, 2018

QC Batch: 547008

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10436641006

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- 1,3-Dichlorobenzene
- 1,3-Dichloropropane
- 1,4-Dichlorobenzene
- 2-Chlorotoluene
- 4-Chlorotoluene
- Bromobenzene
- Bromodichloromethane
- Bromoform
- Carbon tetrachloride
- Chlorobenzene
- Chloroform
- Dibromochloromethane
- Dibromomethane
- Ethylbenzene
- Isopropylbenzene (Cumene)
- Methylene Chloride
- Styrene
- Tetrachloroethene
- Toluene
- Trichloroethene
- cis-1,3-Dichloropropene
- n-Butylbenzene
- n-Propylbenzene
- p-Isopropyltoluene
- sec-Butylbenzene
- tert-Butylbenzene
- trans-1,3-Dichloropropene

• MSD (Lab ID: 2974068)

- 1,1,1,2-Tetrachloroethane
- 1,1,1-Trichloroethane
- 1,1,2,2-Tetrachloroethane
- 1,1,2-Trichloroethane
- 1,1,2-Trichlorotrifluoroethane
- 1,1-Dichloroethene
- 1,1-Dichloropropene
- 1,2,3-Trichlorobenzene
- 1,2,3-Trichloropropane
- 1,2,4-Trichlorobenzene
- 1,2,4-Trimethylbenzene
- 1,2-Dibromo-3-chloropropane
- 1,2-Dibromoethane (EDB)
- 1,2-Dichlorobenzene
- 1,2-Dichloroethane

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PROJECT NARRATIVE

Project: Simplot Sunnyside
Pace Project No.: 10436831

Method: **EPA 8260B**
Description: 8260B VOC
Client: HDR Engineering, Inc.
Date: June 28, 2018

QC Batch: 547008

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10436641006

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- 1,2-Dichloropropane
- 1,3,5-Trimethylbenzene
- 1,3-Dichlorobenzene
- 1,3-Dichloropropane
- 1,4-Dichlorobenzene
- 2-Chlorotoluene
- 4-Chlorotoluene
- Benzene
- Bromobenzene
- Bromochloromethane
- Bromodichloromethane
- Bromoform
- Carbon tetrachloride
- Chlorobenzene
- Chloroform
- Dibromochloromethane
- Dibromomethane
- Ethylbenzene
- Hexachloro-1,3-butadiene
- Isopropylbenzene (Cumene)
- Methyl-tert-butyl ether
- Methylene Chloride
- Naphthalene
- Styrene
- Tetrachloroethene
- Toluene
- Trichloroethene
- cis-1,3-Dichloropropene
- n-Butylbenzene
- n-Propylbenzene
- p-Isopropyltoluene
- sec-Butylbenzene
- tert-Butylbenzene
- trans-1,3-Dichloropropene

QC Batch: 547301

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10436832003

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2975423)
  - 1,1,1,2-Tetrachloroethane
  - 1,1,1-Trichloroethane
  - 1,1,2,2-Tetrachloroethane
  - 1,1,2-Trichloroethane

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PROJECT NARRATIVE

Project: Simplot Sunnyside
Pace Project No.: 10436831

Method: **EPA 8260B**
Description: 8260B VOC
Client: HDR Engineering, Inc.
Date: June 28, 2018

QC Batch: 547301

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10436832003

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- 1,1,2-Trichlorotrifluoroethane
- 1,1-Dichloroethane
- 1,1-Dichloroethene
- 1,1-Dichloropropene
- 1,2,3-Trichlorobenzene
- 1,2,3-Trichloropropane
- 1,2,4-Trichlorobenzene
- 1,2,4-Trimethylbenzene
- 1,2-Dibromo-3-chloropropane
- 1,2-Dibromoethane (EDB)
- 1,2-Dichlorobenzene
- 1,2-Dichloroethane
- 1,2-Dichloropropane
- 1,3,5-Trimethylbenzene
- 1,3-Dichlorobenzene
- 1,3-Dichloropropane
- 1,4-Dichlorobenzene
- 2,2-Dichloropropane
- 2-Chlorotoluene
- 4-Chlorotoluene
- 4-Methyl-2-pentanone (MIBK)
- Acetone
- Allyl chloride
- Benzene
- Bromobenzene
- Bromochloromethane
- Bromodichloromethane
- Bromoform
- Carbon tetrachloride
- Chlorobenzene
- Chloroform
- Dibromochloromethane
- Dibromomethane
- Diethyl ether (Ethyl ether)
- Ethylbenzene
- Hexachloro-1,3-butadiene
- Isopropylbenzene (Cumene)
- Methyl-tert-butyl ether
- Methylene Chloride
- Naphthalene
- Styrene
- Tetrachloroethene
- Tetrahydrofuran

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PROJECT NARRATIVE

Project: Simplot Sunnyside
Pace Project No.: 10436831

Method: **EPA 8260B**
Description: 8260B VOC
Client: HDR Engineering, Inc.
Date: June 28, 2018

QC Batch: 547301

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10436832003

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- Toluene
- Trichloroethene
- cis-1,2-Dichloroethene
- cis-1,3-Dichloropropene
- n-Butylbenzene
- n-Propylbenzene
- p-Isopropyltoluene
- sec-Butylbenzene
- tert-Butylbenzene
- trans-1,2-Dichloroethene
- trans-1,3-Dichloropropene

• MSD (Lab ID: 2975424)

- 1,1,1,2-Tetrachloroethane
- 1,1,1-Trichloroethane
- 1,1,2,2-Tetrachloroethane
- 1,1,2-Trichloroethane
- 1,1,2-Trichlorotrifluoroethane
- 1,1-Dichloroethane
- 1,1-Dichloroethene
- 1,1-Dichloropropene
- 1,2,3-Trichlorobenzene
- 1,2,3-Trichloropropane
- 1,2,4-Trichlorobenzene
- 1,2,4-Trimethylbenzene
- 1,2-Dibromo-3-chloropropane
- 1,2-Dibromoethane (EDB)
- 1,2-Dichlorobenzene
- 1,2-Dichloroethane
- 1,2-Dichloropropane
- 1,3,5-Trimethylbenzene
- 1,3-Dichlorobenzene
- 1,3-Dichloropropane
- 1,4-Dichlorobenzene
- 2,2-Dichloropropane
- 2-Butanone (MEK)
- 2-Chlorotoluene
- 4-Chlorotoluene
- 4-Methyl-2-pentanone (MIBK)
- Acetone
- Allyl chloride
- Benzene
- Bromobenzene
- Bromochloromethane

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PROJECT NARRATIVE

Project: Simplot Sunnyside
Pace Project No.: 10436831

Method: **EPA 8260B**
Description: 8260B VOC
Client: HDR Engineering, Inc.
Date: June 28, 2018

QC Batch: 547301

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10436832003

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- Bromodichloromethane
- Bromoform
- Bromomethane
- Carbon tetrachloride
- Chlorobenzene
- Chloroethane
- Chloroform
- Chloromethane
- Dibromochloromethane
- Dibromomethane
- Dichlorodifluoromethane
- Diethyl ether (Ethyl ether)
- Ethylbenzene
- Hexachloro-1,3-butadiene
- Isopropylbenzene (Cumene)
- Methyl-tert-butyl ether
- Methylene Chloride
- Naphthalene
- Styrene
- Tetrachloroethene
- Tetrahydrofuran
- Toluene
- Trichloroethene
- Trichlorofluoromethane
- Vinyl chloride
- cis-1,2-Dichloroethene
- cis-1,3-Dichloropropene
- n-Butylbenzene
- n-Propylbenzene
- p-Isopropyltoluene
- sec-Butylbenzene
- tert-Butylbenzene
- trans-1,2-Dichloroethene
- trans-1,3-Dichloropropene

R1: RPD value was outside control limits.

- MSD (Lab ID: 2975424)
  - 1,1,1,2-Tetrachloroethane
  - 1,1,1-Trichloroethane
  - 1,1,2,2-Tetrachloroethane
  - 1,1,2-Trichloroethane
  - 1,1,2-Trichlorotrifluoroethane
  - 1,1-Dichloroethane
  - 1,1-Dichloroethene

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PROJECT NARRATIVE

Project: Simplot Sunnyside
Pace Project No.: 10436831

Method: **EPA 8260B**
Description: 8260B VOC
Client: HDR Engineering, Inc.
Date: June 28, 2018

QC Batch: 547301

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10436832003

R1: RPD value was outside control limits.

- 1,1-Dichloropropene
- 1,2,3-Trichlorobenzene
- 1,2,3-Trichloropropane
- 1,2,4-Trichlorobenzene
- 1,2,4-Trimethylbenzene
- 1,2-Dibromo-3-chloropropane
- 1,2-Dibromoethane (EDB)
- 1,2-Dichlorobenzene
- 1,2-Dichloroethane
- 1,2-Dichloropropane
- 1,3,5-Trimethylbenzene
- 1,3-Dichlorobenzene
- 1,3-Dichloropropane
- 1,4-Dichlorobenzene
- 2,2-Dichloropropane
- 2-Butanone (MEK)
- 2-Chlorotoluene
- 4-Chlorotoluene
- 4-Methyl-2-pentanone (MIBK)
- Benzene
- Bromobenzene
- Bromochloromethane
- Bromodichloromethane
- Bromoform
- Bromomethane
- Carbon tetrachloride
- Chlorobenzene
- Chloroethane
- Chloroform
- Chloromethane
- Dibromochloromethane
- Dibromomethane
- Dichlorodifluoromethane
- Diethyl ether (Ethyl ether)
- Ethylbenzene
- Hexachloro-1,3-butadiene
- Isopropylbenzene (Cumene)
- Methyl-tert-butyl ether
- Methylene Chloride
- Naphthalene
- Styrene
- Tetrachloroethene
- Tetrahydrofuran

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PROJECT NARRATIVE

Project: Simplot Sunnyside
Pace Project No.: 10436831

Method: **EPA 8260B**
Description: 8260B VOC
Client: HDR Engineering, Inc.
Date: June 28, 2018

QC Batch: 547301

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10436832003

R1: RPD value was outside control limits.

- Toluene
- Trichloroethene
- Trichlorofluoromethane
- Vinyl chloride
- cis-1,2-Dichloroethene
- cis-1,3-Dichloropropene
- n-Butylbenzene
- n-Propylbenzene
- p-Isopropyltoluene
- sec-Butylbenzene
- tert-Butylbenzene
- trans-1,2-Dichloroethene
- trans-1,3-Dichloropropene

Additional Comments:

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PROJECT NARRATIVE

Project: Simplot Sunnyside
Pace Project No.: 10436831

Method: **EPA 350.1**
Description: 350.1 Ammonia
Client: HDR Engineering, Inc.
Date: June 28, 2018

General Information:
1 sample was analyzed for EPA 350.1. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

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

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Simplot Sunnyside
Pace Project No.: 10436831

Method: **EPA 353.2**
Description: 353.2 Nitrate + Nitrite
Client: HDR Engineering, Inc.
Date: June 28, 2018

General Information:
1 sample was analyzed for EPA 353.2. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

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

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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

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ANALYTICAL RESULTS

Project: Simplot Sunnyside
Pace Project No.: 10436831

Sample: Trip Blank **Lab ID: 10436831001** Collected: 06/20/18 00:00 Received: 06/22/18 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/27/18 14:14	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/27/18 14:14	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/27/18 14:14	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/27/18 14:14	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		06/27/18 14:14	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/27/18 14:14	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		06/27/18 14:14	75-35-4	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/27/18 14:14	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/27/18 14:14	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		06/27/18 14:14	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/27/18 14:14	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		06/27/18 14:14	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		06/27/18 14:14	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/27/18 14:14	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/27/18 14:14	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/27/18 14:14	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		06/27/18 14:14	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		06/27/18 14:14	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/27/18 14:14	541-73-1	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/27/18 14:14	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/27/18 14:14	106-46-7	
2,2-Dichloropropane	ND	ug/L	4.0	1		06/27/18 14:14	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/27/18 14:14	78-93-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/27/18 14:14	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/27/18 14:14	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/27/18 14:14	108-10-1	
Acetone	ND	ug/L	20.0	1		06/27/18 14:14	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		06/27/18 14:14	107-05-1	
Benzene	ND	ug/L	1.0	1		06/27/18 14:14	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/27/18 14:14	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/27/18 14:14	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/27/18 14:14	75-27-4	
Bromoform	ND	ug/L	4.0	1		06/27/18 14:14	75-25-2	
Bromomethane	ND	ug/L	4.0	1		06/27/18 14:14	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		06/27/18 14:14	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/27/18 14:14	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/27/18 14:14	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/27/18 14:14	67-66-3	
Chloromethane	ND	ug/L	4.0	1		06/27/18 14:14	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		06/27/18 14:14	124-48-1	
Dibromomethane	ND	ug/L	4.0	1		06/27/18 14:14	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/27/18 14:14	75-71-8	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		06/27/18 14:14	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		06/27/18 14:14	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/27/18 14:14	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		06/27/18 14:14	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/27/18 14:14	1634-04-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Simplot Sunnyside
Pace Project No.: 10436831

Sample: Trip Blank **Lab ID: 10436831001** Collected: 06/20/18 00:00 Received: 06/22/18 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Methylene Chloride	ND	ug/L	4.0	1		06/27/18 14:14	75-09-2	
Naphthalene	ND	ug/L	4.0	1		06/27/18 14:14	91-20-3	
Styrene	ND	ug/L	1.0	1		06/27/18 14:14	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		06/27/18 14:14	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		06/27/18 14:14	109-99-9	
Toluene	ND	ug/L	1.0	1		06/27/18 14:14	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		06/27/18 14:14	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/27/18 14:14	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		06/27/18 14:14	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		06/27/18 14:14	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/27/18 14:14	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		06/27/18 14:14	10061-01-5	
n-Butylbenzene	ND	ug/L	1.0	1		06/27/18 14:14	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		06/27/18 14:14	103-65-1	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/27/18 14:14	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		06/27/18 14:14	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		06/27/18 14:14	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/27/18 14:14	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		06/27/18 14:14	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%.	75-125	1		06/27/18 14:14	17060-07-0	HS
Toluene-d8 (S)	98	%.	75-125	1		06/27/18 14:14	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	75-125	1		06/27/18 14:14	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(612)607-1700

ANALYTICAL RESULTS

Project: Simplot Sunnyside
Pace Project No.: 10436831

Sample: MW-7 **Lab ID: 10436831002** Collected: 06/20/18 11:28 Received: 06/22/18 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3020							
Arsenic	**9.8**	ug/L	0.50	1	06/26/18 09:45	06/27/18 17:58	7440-38-2	
Barium	**69.0**	ug/L	0.30	1	06/26/18 09:45	06/27/18 17:58	7440-39-3	
Cadmium	ND	ug/L	0.080	1	06/26/18 09:45	06/28/18 11:47	7440-43-9	
Chromium	**3.0**	ug/L	0.50	1	06/26/18 09:45	06/27/18 17:58	7440-47-3	
Lead	**0.15**	ug/L	0.10	1	06/26/18 09:45	06/28/18 11:47	7439-92-1	
Selenium	**1.7**	ug/L	0.50	1	06/26/18 09:45	06/27/18 17:58	7782-49-2	
Silver	ND	ug/L	0.50	1	06/26/18 09:45	06/27/18 17:58	7440-22-4	
7470A Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
Mercury	ND	ug/L	0.20	1	06/26/18 08:38	06/27/18 13:34	7439-97-6	
8260B VOC	Analytical Method: EPA 8260B							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/26/18 21:49	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/26/18 21:49	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/26/18 21:49	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/26/18 21:49	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		06/26/18 21:49	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/26/18 21:49	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		06/26/18 21:49	75-35-4	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/26/18 21:49	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/26/18 21:49	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		06/26/18 21:49	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/26/18 21:49	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		06/26/18 21:49	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		06/26/18 21:49	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/26/18 21:49	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/26/18 21:49	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/26/18 21:49	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		06/26/18 21:49	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		06/26/18 21:49	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/26/18 21:49	541-73-1	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/26/18 21:49	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/26/18 21:49	106-46-7	
2,2-Dichloropropane	ND	ug/L	4.0	1		06/26/18 21:49	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/26/18 21:49	78-93-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/26/18 21:49	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/26/18 21:49	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/26/18 21:49	108-10-1	
Acetone	ND	ug/L	20.0	1		06/26/18 21:49	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		06/26/18 21:49	107-05-1	
Benzene	ND	ug/L	1.0	1		06/26/18 21:49	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/26/18 21:49	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/26/18 21:49	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/26/18 21:49	75-27-4	
Bromoform	ND	ug/L	4.0	1		06/26/18 21:49	75-25-2	
Bromomethane	ND	ug/L	4.0	1		06/26/18 21:49	74-83-9	

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ANALYTICAL RESULTS

Project: Simplot Sunnyside
Pace Project No.: 10436831

Sample: MW-7 **Lab ID: 10436831002** Collected: 06/20/18 11:28 Received: 06/22/18 09:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Carbon tetrachloride	ND	ug/L	1.0	1		06/26/18 21:49	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/26/18 21:49	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/26/18 21:49	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/26/18 21:49	67-66-3	
Chloromethane	ND	ug/L	4.0	1		06/26/18 21:49	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		06/26/18 21:49	124-48-1	
Dibromomethane	ND	ug/L	4.0	1		06/26/18 21:49	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/26/18 21:49	75-71-8	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		06/26/18 21:49	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		06/26/18 21:49	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/26/18 21:49	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		06/26/18 21:49	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/26/18 21:49	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		06/26/18 21:49	75-09-2	
Naphthalene	ND	ug/L	4.0	1		06/26/18 21:49	91-20-3	
Styrene	ND	ug/L	1.0	1		06/26/18 21:49	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		06/26/18 21:49	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		06/26/18 21:49	109-99-9	
Toluene	ND	ug/L	1.0	1		06/26/18 21:49	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		06/26/18 21:49	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/26/18 21:49	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		06/26/18 21:49	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		06/26/18 21:49	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/26/18 21:49	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		06/26/18 21:49	10061-01-5	
n-Butylbenzene	ND	ug/L	1.0	1		06/26/18 21:49	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		06/26/18 21:49	103-65-1	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/26/18 21:49	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		06/26/18 21:49	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		06/26/18 21:49	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/26/18 21:49	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		06/26/18 21:49	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	101	%.	75-125	1		06/26/18 21:49	17060-07-0	
Toluene-d8 (S)	98	%.	75-125	1		06/26/18 21:49	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	75-125	1		06/26/18 21:49	460-00-4	
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/26/18 11:23	7664-41-7	
353.2 Nitrate + Nitrite	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	**2.4**	mg/L	0.50	5		06/27/18 15:44		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: Simplot Sunnyside
Pace Project No.: 10436831

QC Batch: 546668 Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A Analysis Description: 7470A Mercury Water
Associated Lab Samples: 10436831002

METHOD BLANK: 2972878 Matrix: Water
Associated Lab Samples: 10436831002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	06/27/18 12:52	

LABORATORY CONTROL SAMPLE: 2972879

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.2	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2972880 2972881

Parameter	Units	10436470003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.6	4.7	91	95	80-120	4	20	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Simplot Sunnyside
Pace Project No.: 10436831

QC Batch: 546667
QC Batch Method: EPA 3020
Analysis Method: EPA 6020B
Analysis Description: 6020B Water UPD5
Associated Lab Samples: 10436831002

METHOD BLANK: 2972874 Matrix: Water
Associated Lab Samples: 10436831002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	ND	0.50	06/27/18 17:52	
Barium	ug/L	ND	0.30	06/27/18 17:52	
Cadmium	ug/L	ND	0.080	06/27/18 17:52	
Chromium	ug/L	ND	0.50	06/27/18 17:52	
Lead	ug/L	ND	0.10	06/27/18 17:52	
Selenium	ug/L	ND	0.50	06/27/18 17:52	
Silver	ug/L	ND	0.50	06/27/18 17:52	

LABORATORY CONTROL SAMPLE: 2972875

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	100	108	108	80-120	
Barium	ug/L	100	104	104	80-120	
Cadmium	ug/L	100	100	100	80-120	
Chromium	ug/L	100	111	111	80-120	
Lead	ug/L	100	103	103	80-120	
Selenium	ug/L	100	110	110	80-120	
Silver	ug/L	50	56.4	113	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2972876 2972877

Parameter	Units	10436831002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	9.8	100	100	117	117	107	107	75-125	0	20	
Barium	ug/L	69.0	100	100	176	174	107	105	75-125	1	20	
Cadmium	ug/L	ND	100	100	98.8	97.4	99	97	75-125	1	20	
Chromium	ug/L	3.0	100	100	113	113	110	110	75-125	0	20	
Lead	ug/L	0.15	100	100	104	102	104	102	75-125	2	20	
Selenium	ug/L	1.7	100	100	110	109	108	107	75-125	1	20	
Silver	ug/L	ND	50	50	54.8	54.9	110	110	75-125	0	20	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Simplot Sunnyside
Pace Project No.: 10436831

QC Batch: 547008 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV 465 W
Associated Lab Samples: 10436831002

METHOD BLANK: 2974040 Matrix: Water
Associated Lab Samples: 10436831002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	06/26/18 20:22	
1,1,1-Trichloroethane	ug/L	ND	1.0	06/26/18 20:22	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	06/26/18 20:22	
1,1,2-Trichloroethane	ug/L	ND	1.0	06/26/18 20:22	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	06/26/18 20:22	
1,1-Dichloroethane	ug/L	ND	1.0	06/26/18 20:22	
1,1-Dichloroethene	ug/L	ND	1.0	06/26/18 20:22	
1,1-Dichloropropene	ug/L	ND	1.0	06/26/18 20:22	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	06/26/18 20:22	
1,2,3-Trichloropropane	ug/L	ND	4.0	06/26/18 20:22	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	06/26/18 20:22	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	06/26/18 20:22	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	06/26/18 20:22	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	06/26/18 20:22	
1,2-Dichlorobenzene	ug/L	ND	1.0	06/26/18 20:22	
1,2-Dichloroethane	ug/L	ND	1.0	06/26/18 20:22	
1,2-Dichloropropane	ug/L	ND	4.0	06/26/18 20:22	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	06/26/18 20:22	
1,3-Dichlorobenzene	ug/L	ND	1.0	06/26/18 20:22	
1,3-Dichloropropane	ug/L	ND	1.0	06/26/18 20:22	
1,4-Dichlorobenzene	ug/L	ND	1.0	06/26/18 20:22	
2,2-Dichloropropane	ug/L	ND	4.0	06/26/18 20:22	
2-Butanone (MEK)	ug/L	ND	5.0	06/26/18 20:22	
2-Chlorotoluene	ug/L	ND	1.0	06/26/18 20:22	
4-Chlorotoluene	ug/L	ND	1.0	06/26/18 20:22	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	06/26/18 20:22	
Acetone	ug/L	ND	20.0	06/26/18 20:22	
Allyl chloride	ug/L	ND	4.0	06/26/18 20:22	
Benzene	ug/L	ND	1.0	06/26/18 20:22	
Bromobenzene	ug/L	ND	1.0	06/26/18 20:22	
Bromochloromethane	ug/L	ND	1.0	06/26/18 20:22	
Bromodichloromethane	ug/L	ND	1.0	06/26/18 20:22	
Bromoform	ug/L	ND	4.0	06/26/18 20:22	
Bromomethane	ug/L	ND	4.0	06/26/18 20:22	
Carbon tetrachloride	ug/L	ND	1.0	06/26/18 20:22	
Chlorobenzene	ug/L	ND	1.0	06/26/18 20:22	
Chloroethane	ug/L	ND	1.0	06/26/18 20:22	
Chloroform	ug/L	ND	1.0	06/26/18 20:22	
Chloromethane	ug/L	ND	4.0	06/26/18 20:22	
cis-1,2-Dichloroethene	ug/L	ND	1.0	06/26/18 20:22	
cis-1,3-Dichloropropene	ug/L	ND	4.0	06/26/18 20:22	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: Simplot Sunnyside
Pace Project No.: 10436831

METHOD BLANK: 2974040 Matrix: Water
Associated Lab Samples: 10436831002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	ND	1.0	06/26/18 20:22	
Dibromomethane	ug/L	ND	4.0	06/26/18 20:22	
Dichlorodifluoromethane	ug/L	ND	1.0	06/26/18 20:22	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	06/26/18 20:22	
Ethylbenzene	ug/L	ND	1.0	06/26/18 20:22	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	06/26/18 20:22	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	06/26/18 20:22	
Methyl-tert-butyl ether	ug/L	ND	1.0	06/26/18 20:22	
Methylene Chloride	ug/L	ND	4.0	06/26/18 20:22	
n-Butylbenzene	ug/L	ND	1.0	06/26/18 20:22	
n-Propylbenzene	ug/L	ND	1.0	06/26/18 20:22	
Naphthalene	ug/L	ND	4.0	06/26/18 20:22	
p-Isopropyltoluene	ug/L	ND	1.0	06/26/18 20:22	
sec-Butylbenzene	ug/L	ND	1.0	06/26/18 20:22	
Styrene	ug/L	ND	1.0	06/26/18 20:22	
tert-Butylbenzene	ug/L	ND	1.0	06/26/18 20:22	
Tetrachloroethene	ug/L	ND	1.0	06/26/18 20:22	
Tetrahydrofuran	ug/L	ND	10.0	06/26/18 20:22	
Toluene	ug/L	ND	1.0	06/26/18 20:22	
trans-1,2-Dichloroethene	ug/L	ND	1.0	06/26/18 20:22	
trans-1,3-Dichloropropene	ug/L	ND	4.0	06/26/18 20:22	
Trichloroethene	ug/L	ND	0.40	06/26/18 20:22	
Trichlorofluoromethane	ug/L	ND	1.0	06/26/18 20:22	
Vinyl chloride	ug/L	ND	0.20	06/26/18 20:22	
Xylene (Total)	ug/L	ND	3.0	06/26/18 20:22	
1,2-Dichloroethane-d4 (S)	%.	101	75-125	06/26/18 20:22	
4-Bromofluorobenzene (S)	%.	97	75-125	06/26/18 20:22	
Toluene-d8 (S)	%.	99	75-125	06/26/18 20:22	

LABORATORY CONTROL SAMPLE: 2974041

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	17.7	88	75-125	
1,1,1-Trichloroethane	ug/L	20	21.8	109	75-125	
1,1,2,2-Tetrachloroethane	ug/L	20	18.2	91	75-129	
1,1,2-Trichloroethane	ug/L	20	19.5	97	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	20	19.5	98	74-125	
1,1-Dichloroethane	ug/L	20	21.0	105	75-127	
1,1-Dichloroethene	ug/L	20	18.1	91	73-125	
1,1-Dichloropropene	ug/L	20	20.6	103	75-125	
1,2,3-Trichlorobenzene	ug/L	20	17.8	89	74-126	
1,2,3-Trichloropropane	ug/L	20	18.8	94	75-125	
1,2,4-Trichlorobenzene	ug/L	20	17.2	86	75-125	
1,2,4-Trimethylbenzene	ug/L	20	18.9	94	75-125	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: Simplot Sunnyside
Pace Project No.: 10436831

LABORATORY CONTROL SAMPLE: 2974041

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	50	42.6	85	64-129	
1,2-Dibromoethane (EDB)	ug/L	20	17.7	89	75-125	
1,2-Dichlorobenzene	ug/L	20	19.2	96	75-125	
1,2-Dichloroethane	ug/L	20	18.9	95	74-125	
1,2-Dichloropropane	ug/L	20	20.4	102	75-125	
1,3,5-Trimethylbenzene	ug/L	20	18.8	94	75-125	
1,3-Dichlorobenzene	ug/L	20	18.7	93	75-125	
1,3-Dichloropropane	ug/L	20	19.3	97	75-125	
1,4-Dichlorobenzene	ug/L	20	18.4	92	75-125	
2,2-Dichloropropane	ug/L	20	21.2	106	70-125	
2-Butanone (MEK)	ug/L	100	97.0	97	57-130	
2-Chlorotoluene	ug/L	20	18.5	92	75-125	
4-Chlorotoluene	ug/L	20	18.4	92	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	100	98.2	98	69-137	
Acetone	ug/L	100	93.5	94	32-150	
Allyl chloride	ug/L	20	17.6	88	64-135	
Benzene	ug/L	20	19.9	99	75-126	
Bromobenzene	ug/L	20	20.0	100	75-125	
Bromochloromethane	ug/L	20	21.6	108	75-126	
Bromodichloromethane	ug/L	20	18.7	93	75-125	
Bromoform	ug/L	20	16.0	80	67-125	
Bromomethane	ug/L	20	19.6	98	30-150	
Carbon tetrachloride	ug/L	20	18.2	91	75-125	
Chlorobenzene	ug/L	20	19.3	97	75-125	
Chloroethane	ug/L	20	18.8	94	64-142	
Chloroform	ug/L	20	20.0	100	75-125	
Chloromethane	ug/L	20	18.3	91	40-150	
cis-1,2-Dichloroethene	ug/L	20	22.1	110	75-125	
cis-1,3-Dichloropropene	ug/L	20	17.1	85	75-125	
Dibromochloromethane	ug/L	20	16.9	84	75-125	
Dibromomethane	ug/L	20	18.5	93	75-125	
Dichlorodifluoromethane	ug/L	20	17.4	87	61-132	
Diethyl ether (Ethyl ether)	ug/L	20	19.9	100	74-125	
Ethylbenzene	ug/L	20	19.3	97	75-125	
Hexachloro-1,3-butadiene	ug/L	20	20.0	100	75-125	
Isopropylbenzene (Cumene)	ug/L	20	19.7	99	75-125	
Methyl-tert-butyl ether	ug/L	20	20.2	101	73-129	
Methylene Chloride	ug/L	20	19.3	96	72-125	
n-Butylbenzene	ug/L	20	17.3	87	75-125	
n-Propylbenzene	ug/L	20	19.0	95	75-125	
Naphthalene	ug/L	20	16.6	83	65-126	
p-Isopropyltoluene	ug/L	20	17.4	87	75-125	
sec-Butylbenzene	ug/L	20	18.8	94	75-125	
Styrene	ug/L	20	19.3	96	75-125	
tert-Butylbenzene	ug/L	20	19.4	97	75-125	
Tetrachloroethene	ug/L	20	18.3	91	75-125	
Tetrahydrofuran	ug/L	200	200	100	30-150	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: Simplot Sunnyside
Pace Project No.: 10436831

LABORATORY CONTROL SAMPLE: 2974041

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	18.5	93	74-125	
trans-1,2-Dichloroethene	ug/L	20	19.9	99	70-126	
trans-1,3-Dichloropropene	ug/L	20	19.3	97	75-125	
Trichloroethene	ug/L	20	18.8	94	75-125	
Trichlorofluoromethane	ug/L	20	20.3	102	71-131	
Vinyl chloride	ug/L	20	21.2	106	65-137	
Xylene (Total)	ug/L	60	58.6	98	75-125	
1,2-Dichloroethane-d4 (S)	%.			103	75-125	
4-Bromofluorobenzene (S)	%.			96	75-125	
Toluene-d8 (S)	%.			100	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2974067 2974068

Parameter	Units	10436641006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	<1.0	20	20	11.3	10.2	56	51	69-130	10	30	M1
1,1,1-Trichloroethane	ug/L	<1.0	20	20	14.7	13.2	74	66	72-133	11	30	M1
1,1,2,2-Tetrachloroethane	ug/L	<1.0	20	20	11.3	10.7	57	53	60-137	6	30	M1
1,1,2-Trichloroethane	ug/L	<1.0	20	20	12.4	11.2	62	56	70-128	10	30	M1
1,1,2-Trichlorotrifluoroethane	ug/L	<1.0	20	20	13.6	11.8	68	59	64-147	14	30	M1
1,1-Dichloroethane	ug/L	<1.0	20	20	14.0	12.8	70	64	64-136	9	30	
1,1-Dichloroethene	ug/L	<1.0	20	20	13.2	11.4	66	57	67-139	14	30	M1
1,1-Dichloropropene	ug/L	<1.0	20	20	14.0	12.5	70	62	69-131	12	30	M1
1,2,3-Trichlorobenzene	ug/L	<1.0	20	20	10.7	8.9	54	44	60-138	19	30	M1
1,2,3-Trichloropropane	ug/L	<4.0	20	20	12.0	11.3	60	57	67-129	6	30	M1
1,2,4-Trichlorobenzene	ug/L	<1.0	20	20	10.1	9.1	51	46	71-125	10	30	M1
1,2,4-Trimethylbenzene	ug/L	<1.0	20	20	11.2	10.5	56	52	67-130	7	30	M1
1,2-Dibromo-3-chloropropane	ug/L	<4.0	50	50	26.6	24.0	53	48	52-141	10	30	M1
1,2-Dibromoethane (EDB)	ug/L	<1.0	20	20	11.2	10.5	56	52	66-130	6	30	M1
1,2-Dichlorobenzene	ug/L	<1.0	20	20	11.5	10.8	58	54	72-126	7	30	M1
1,2-Dichloroethane	ug/L	<1.0	20	20	12.3	11.4	61	57	64-125	8	30	M1
1,2-Dichloropropane	ug/L	<4.0	20	20	13.4	12.2	67	61	65-128	9	30	M1
1,3,5-Trimethylbenzene	ug/L	<1.0	20	20	11.6	10.8	58	54	63-139	7	30	M1
1,3-Dichlorobenzene	ug/L	<1.0	20	20	11.1	10.4	56	52	70-128	7	30	M1
1,3-Dichloropropane	ug/L	<1.0	20	20	12.2	11.2	61	56	70-131	8	30	M1
1,4-Dichlorobenzene	ug/L	<1.0	20	20	10.9	10.3	55	51	74-125	6	30	M1
2,2-Dichloropropane	ug/L	<4.0	20	20	14.6	12.8	73	64	58-137	13	30	
2-Butanone (MEK)	ug/L	<5.0	100	100	65.1	56.3	65	56	45-132	14	30	
2-Chlorotoluene	ug/L	<1.0	20	20	11.6	10.5	58	53	66-134	10	30	M1
4-Chlorotoluene	ug/L	<1.0	20	20	11.5	10.6	57	53	70-132	8	30	M1
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	100	100	62.5	57.1	63	57	54-143	9	30	
Acetone	ug/L	<20.0	100	100	60.6	53.4	61	53	51-150	13	30	
Allyl chloride	ug/L	<4.0	20	20	12.3	10.9	61	55	52-150	12	30	
Benzene	ug/L	<1.0	20	20	13.1	12.1	66	61	62-140	8	30	M1

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: Simplot Sunnyside
Pace Project No.: 10436831

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2974067 2974068

Parameter	Units	10436641006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Bromobenzene	ug/L	<1.0	20	20	12.3	11.7	62	58	70-128	6	30	M1
Bromochloromethane	ug/L	<1.0	20	20	14.1	12.6	70	63	65-131	11	30	M1
Bromodichloromethane	ug/L	<1.0	20	20	12.0	11.0	60	55	74-127	9	30	M1
Bromoform	ug/L	<4.0	20	20	9.8	9.2	49	46	59-125	7	30	M1
Bromomethane	ug/L	<4.0	20	20	15.8	13.6	79	68	30-149	15	30	
Carbon tetrachloride	ug/L	<1.0	20	20	12.8	11.5	64	57	67-134	11	30	M1
Chlorobenzene	ug/L	<1.0	20	20	12.5	11.3	62	56	72-131	10	30	M1
Chloroethane	ug/L	<1.0	20	20	17.8	15.7	89	79	55-150	12	30	
Chloroform	ug/L	<1.0	20	20	13.1	11.9	66	60	67-125	9	30	M1
Chloromethane	ug/L	<4.0	20	20	18.1	15.8	90	79	43-148	13	30	
cis-1,2-Dichloroethene	ug/L	<1.0	20	20	14.2	12.9	71	64	62-132	10	30	
cis-1,3-Dichloropropene	ug/L	<4.0	20	20	10.6	9.8	53	49	63-129	8	30	M1
Dibromochloromethane	ug/L	<1.0	20	20	10.7	9.9	54	49	67-127	8	30	M1
Dibromomethane	ug/L	<4.0	20	20	11.9	10.7	60	54	68-132	10	30	M1
Dichlorodifluoromethane	ug/L	<1.0	20	20	17.5	14.7	88	73	59-144	18	30	
Diethyl ether (Ethyl ether)	ug/L	<4.0	20	20	12.6	11.6	63	58	52-139	9	30	
Ethylbenzene	ug/L	<1.0	20	20	12.6	11.6	63	58	75-131	9	30	M1
Hexachloro-1,3-butadiene	ug/L	<1.0	20	20	12.0	10.1	60	51	58-146	17	30	M1
Isopropylbenzene (Cumene)	ug/L	<1.0	20	20	12.7	11.4	63	57	71-132	10	30	M1
Methyl-tert-butyl ether	ug/L	<1.0	20	20	12.9	11.8	65	59	65-130	9	30	M1
Methylene Chloride	ug/L	<4.0	20	20	12.7	11.6	63	58	66-125	9	30	M1
n-Butylbenzene	ug/L	<1.0	20	20	10.6	9.4	53	47	57-141	12	30	M1
n-Propylbenzene	ug/L	<1.0	20	20	11.7	10.7	59	54	70-131	9	30	M1
Naphthalene	ug/L	<4.0	20	20	10.3	9.1	51	45	48-134	13	30	M1
p-Isopropyltoluene	ug/L	<1.0	20	20	10.7	9.8	54	49	66-136	10	30	M1
sec-Butylbenzene	ug/L	<1.0	20	20	11.6	10.6	58	53	69-134	9	30	M1
Styrene	ug/L	<1.0	20	20	12.1	10.9	60	55	65-134	10	30	M1
tert-Butylbenzene	ug/L	<1.0	20	20	11.9	11.0	60	55	71-130	8	30	M1
Tetrachloroethene	ug/L	<1.0	20	20	12.3	10.9	61	54	69-135	12	30	M1
Tetrahydrofuran	ug/L	<10.0	200	200	122	111	61	55	48-150	10	30	
Toluene	ug/L	<1.0	20	20	12.4	11.3	62	57	68-132	9	30	M1
trans-1,2-Dichloroethene	ug/L	<1.0	20	20	13.6	12.3	68	61	61-134	11	30	
trans-1,3-Dichloropropene	ug/L	<4.0	20	20	12.2	11.0	61	55	66-125	10	30	M1
Trichloroethene	ug/L	<0.40	20	20	12.4	11.5	62	57	64-136	8	30	M1
Trichlorofluoromethane	ug/L	<1.0	20	20	20.5	17.2	103	86	65-146	18	30	
Vinyl chloride	ug/L	<0.20	20	20	20.7	17.6	104	88	51-150	16	30	
Xylene (Total)	ug/L	<3.0	60	60	36.9	34.3	61	57	69-135	7	30	MS
1,2-Dichloroethane-d4 (S)	%.						102	102	75-125			
4-Bromofluorobenzene (S)	%.						95	99	75-125			
Toluene-d8 (S)	%.						99	99	75-125			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: Simplot Sunnyside
Pace Project No.: 10436831

QC Batch: 547301 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV 465 W
Associated Lab Samples: 10436831001

METHOD BLANK: 2975400 Matrix: Water
Associated Lab Samples: 10436831001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	06/27/18 12:47	
1,1,1-Trichloroethane	ug/L	ND	1.0	06/27/18 12:47	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	06/27/18 12:47	
1,1,2-Trichloroethane	ug/L	ND	1.0	06/27/18 12:47	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	06/27/18 12:47	
1,1-Dichloroethane	ug/L	ND	1.0	06/27/18 12:47	
1,1-Dichloroethene	ug/L	ND	1.0	06/27/18 12:47	
1,1-Dichloropropene	ug/L	ND	1.0	06/27/18 12:47	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	06/27/18 12:47	
1,2,3-Trichloropropane	ug/L	ND	4.0	06/27/18 12:47	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	06/27/18 12:47	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	06/27/18 12:47	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	06/27/18 12:47	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	06/27/18 12:47	
1,2-Dichlorobenzene	ug/L	ND	1.0	06/27/18 12:47	
1,2-Dichloroethane	ug/L	ND	1.0	06/27/18 12:47	
1,2-Dichloropropane	ug/L	ND	4.0	06/27/18 12:47	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	06/27/18 12:47	
1,3-Dichlorobenzene	ug/L	ND	1.0	06/27/18 12:47	
1,3-Dichloropropane	ug/L	ND	1.0	06/27/18 12:47	
1,4-Dichlorobenzene	ug/L	ND	1.0	06/27/18 12:47	
2,2-Dichloropropane	ug/L	ND	4.0	06/27/18 12:47	
2-Butanone (MEK)	ug/L	ND	5.0	06/27/18 12:47	
2-Chlorotoluene	ug/L	ND	1.0	06/27/18 12:47	
4-Chlorotoluene	ug/L	ND	1.0	06/27/18 12:47	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	06/27/18 12:47	
Acetone	ug/L	ND	20.0	06/27/18 12:47	
Allyl chloride	ug/L	ND	4.0	06/27/18 12:47	
Benzene	ug/L	ND	1.0	06/27/18 12:47	
Bromobenzene	ug/L	ND	1.0	06/27/18 12:47	
Bromochloromethane	ug/L	ND	1.0	06/27/18 12:47	
Bromodichloromethane	ug/L	ND	1.0	06/27/18 12:47	
Bromoform	ug/L	ND	4.0	06/27/18 12:47	
Bromomethane	ug/L	ND	4.0	06/27/18 12:47	
Carbon tetrachloride	ug/L	ND	1.0	06/27/18 12:47	
Chlorobenzene	ug/L	ND	1.0	06/27/18 12:47	
Chloroethane	ug/L	ND	1.0	06/27/18 12:47	
Chloroform	ug/L	ND	1.0	06/27/18 12:47	
Chloromethane	ug/L	ND	4.0	06/27/18 12:47	
cis-1,2-Dichloroethene	ug/L	ND	1.0	06/27/18 12:47	
cis-1,3-Dichloropropene	ug/L	ND	4.0	06/27/18 12:47	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: Simplot Sunnyside
Pace Project No.: 10436831

METHOD BLANK: 2975400 Matrix: Water
Associated Lab Samples: 10436831001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	ND	1.0	06/27/18 12:47	
Dibromomethane	ug/L	ND	4.0	06/27/18 12:47	
Dichlorodifluoromethane	ug/L	ND	1.0	06/27/18 12:47	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	06/27/18 12:47	
Ethylbenzene	ug/L	ND	1.0	06/27/18 12:47	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	06/27/18 12:47	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	06/27/18 12:47	
Methyl-tert-butyl ether	ug/L	ND	1.0	06/27/18 12:47	
Methylene Chloride	ug/L	ND	4.0	06/27/18 12:47	
n-Butylbenzene	ug/L	ND	1.0	06/27/18 12:47	
n-Propylbenzene	ug/L	ND	1.0	06/27/18 12:47	
Naphthalene	ug/L	ND	4.0	06/27/18 12:47	
p-Isopropyltoluene	ug/L	ND	1.0	06/27/18 12:47	
sec-Butylbenzene	ug/L	ND	1.0	06/27/18 12:47	
Styrene	ug/L	ND	1.0	06/27/18 12:47	
tert-Butylbenzene	ug/L	ND	1.0	06/27/18 12:47	
Tetrachloroethene	ug/L	ND	1.0	06/27/18 12:47	
Tetrahydrofuran	ug/L	ND	10.0	06/27/18 12:47	
Toluene	ug/L	ND	1.0	06/27/18 12:47	
trans-1,2-Dichloroethene	ug/L	ND	1.0	06/27/18 12:47	
trans-1,3-Dichloropropene	ug/L	ND	4.0	06/27/18 12:47	
Trichloroethene	ug/L	ND	0.40	06/27/18 12:47	
Trichlorofluoromethane	ug/L	ND	1.0	06/27/18 12:47	
Vinyl chloride	ug/L	ND	0.20	06/27/18 12:47	
Xylene (Total)	ug/L	ND	3.0	06/27/18 12:47	
1,2-Dichloroethane-d4 (S)	%.	99	75-125	06/27/18 12:47	
4-Bromofluorobenzene (S)	%.	96	75-125	06/27/18 12:47	
Toluene-d8 (S)	%.	98	75-125	06/27/18 12:47	

LABORATORY CONTROL SAMPLE: 2975401

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	17.7	89	75-125	
1,1,1-Trichloroethane	ug/L	20	21.1	106	75-125	
1,1,2,2-Tetrachloroethane	ug/L	20	18.5	92	75-129	
1,1,2-Trichloroethane	ug/L	20	19.5	97	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	20	18.7	94	74-125	
1,1-Dichloroethane	ug/L	20	20.7	103	75-127	
1,1-Dichloroethene	ug/L	20	18.4	92	73-125	
1,1-Dichloropropene	ug/L	20	20.5	102	75-125	
1,2,3-Trichlorobenzene	ug/L	20	17.4	87	74-126	
1,2,3-Trichloropropane	ug/L	20	19.7	98	75-125	
1,2,4-Trichlorobenzene	ug/L	20	16.9	84	75-125	
1,2,4-Trimethylbenzene	ug/L	20	18.4	92	75-125	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: Simplot Sunnyside
Pace Project No.: 10436831

LABORATORY CONTROL SAMPLE: 2975401

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	50	44.2	88	64-129	
1,2-Dibromoethane (EDB)	ug/L	20	18.3	92	75-125	
1,2-Dichlorobenzene	ug/L	20	18.8	94	75-125	
1,2-Dichloroethane	ug/L	20	19.8	99	74-125	
1,2-Dichloropropane	ug/L	20	20.6	103	75-125	
1,3,5-Trimethylbenzene	ug/L	20	18.7	93	75-125	
1,3-Dichlorobenzene	ug/L	20	18.6	93	75-125	
1,3-Dichloropropane	ug/L	20	19.5	98	75-125	
1,4-Dichlorobenzene	ug/L	20	18.1	91	75-125	
2,2-Dichloropropane	ug/L	20	21.0	105	70-125	
2-Butanone (MEK)	ug/L	100	106	106	57-130	
2-Chlorotoluene	ug/L	20	18.0	90	75-125	
4-Chlorotoluene	ug/L	20	18.3	92	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	100	103	103	69-137	
Acetone	ug/L	100	98.0	98	32-150	
Allyl chloride	ug/L	20	18.5	93	64-135	
Benzene	ug/L	20	19.6	98	75-126	
Bromobenzene	ug/L	20	20.0	100	75-125	
Bromochloromethane	ug/L	20	21.9	109	75-126	
Bromodichloromethane	ug/L	20	19.3	96	75-125	
Bromoform	ug/L	20	17.0	85	67-125	
Bromomethane	ug/L	20	14.1	71	30-150	
Carbon tetrachloride	ug/L	20	18.0	90	75-125	
Chlorobenzene	ug/L	20	19.8	99	75-125	
Chloroethane	ug/L	20	16.1	81	64-142	
Chloroform	ug/L	20	19.7	99	75-125	
Chloromethane	ug/L	20	15.9	80	40-150	
cis-1,2-Dichloroethene	ug/L	20	21.3	107	75-125	
cis-1,3-Dichloropropene	ug/L	20	17.5	87	75-125	
Dibromochloromethane	ug/L	20	17.6	88	75-125	
Dibromomethane	ug/L	20	19.5	97	75-125	
Dichlorodifluoromethane	ug/L	20	14.4	72	61-132	
Diethyl ether (Ethyl ether)	ug/L	20	20.1	101	74-125	
Ethylbenzene	ug/L	20	19.5	98	75-125	
Hexachloro-1,3-butadiene	ug/L	20	18.9	95	75-125	
Isopropylbenzene (Cumene)	ug/L	20	19.6	98	75-125	
Methyl-tert-butyl ether	ug/L	20	20.8	104	73-129	
Methylene Chloride	ug/L	20	19.9	99	72-125	
n-Butylbenzene	ug/L	20	16.8	84	75-125	
n-Propylbenzene	ug/L	20	18.4	92	75-125	
Naphthalene	ug/L	20	16.9	85	65-126	
p-Isopropyltoluene	ug/L	20	16.9	85	75-125	
sec-Butylbenzene	ug/L	20	17.9	89	75-125	
Styrene	ug/L	20	19.6	98	75-125	
tert-Butylbenzene	ug/L	20	18.3	92	75-125	
Tetrachloroethene	ug/L	20	18.9	94	75-125	
Tetrahydrofuran	ug/L	200	206	103	30-150	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: Simplot Sunnyside
Pace Project No.: 10436831

LABORATORY CONTROL SAMPLE: 2975401

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	19.1	96	74-125	
trans-1,2-Dichloroethene	ug/L	20	19.9	99	70-126	
trans-1,3-Dichloropropene	ug/L	20	19.7	99	75-125	
Trichloroethene	ug/L	20	18.8	94	75-125	
Trichlorofluoromethane	ug/L	20	17.5	87	71-131	
Vinyl chloride	ug/L	20	18.1	90	65-137	
Xylene (Total)	ug/L	60	59.2	99	75-125	
1,2-Dichloroethane-d4 (S)	%.			101	75-125	
4-Bromofluorobenzene (S)	%.			96	75-125	
Toluene-d8 (S)	%.			100	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2975423 2975424

Parameter	Units	10436832003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	<1.0	20	20	8.5	5.7	43	28	69-130	41	30	M1,R1
1,1,1-Trichloroethane	ug/L	<1.0	20	20	10.4	6.8	52	34	72-133	42	30	M1,R1
1,1,2,2-Tetrachloroethane	ug/L	<1.0	20	20	8.4	5.8	42	29	60-137	37	30	M1,R1
1,1,2-Trichloroethane	ug/L	<1.0	20	20	9.3	6.4	46	32	70-128	36	30	M1,R1
1,1,2-Trichlorotrifluoroethane	ug/L	<1.0	20	20	7.6	4.9	38	24	64-147	43	30	M1,R1
1,1-Dichloroethane	ug/L	<1.0	20	20	10.3	7.0	52	35	64-136	38	30	M1,R1
1,1-Dichloroethene	ug/L	<1.0	20	20	9.5	6.4	47	32	67-139	39	30	M1,R1
1,1-Dichloropropene	ug/L	<1.0	20	20	9.7	6.0	48	30	69-131	47	30	M1,R1
1,2,3-Trichlorobenzene	ug/L	<1.0	20	20	6.5	3.9	32	20	60-138	49	30	M1,R1
1,2,3-Trichloropropane	ug/L	<4.0	20	20	9.3	6.1	46	31	67-129	41	30	M1,R1
1,2,4-Trichlorobenzene	ug/L	<1.0	20	20	6.3	4.0	32	20	71-125	45	30	M1,R1
1,2,4-Trimethylbenzene	ug/L	<1.0	20	20	8.1	4.9	40	24	67-130	49	30	M1,R1
1,2-Dibromo-3-chloropropane	ug/L	<4.0	50	50	19.6	13.2	39	26	52-141	39	30	M1,R1
1,2-Dibromoethane (EDB)	ug/L	<1.0	20	20	8.7	6.1	43	31	66-130	34	30	M1,R1
1,2-Dichlorobenzene	ug/L	<1.0	20	20	8.2	5.2	41	26	72-126	44	30	M1,R1
1,2-Dichloroethane	ug/L	<1.0	20	20	9.5	6.9	47	35	64-125	32	30	M1,R1
1,2-Dichloropropane	ug/L	<4.0	20	20	9.9	6.9	50	34	65-128	37	30	M1,R1
1,3,5-Trimethylbenzene	ug/L	<1.0	20	20	8.0	4.8	40	24	63-139	51	30	M1,R1
1,3-Dichlorobenzene	ug/L	<1.0	20	20	7.9	4.9	39	24	70-128	47	30	M1,R1
1,3-Dichloropropane	ug/L	<1.0	20	20	9.2	6.3	46	31	70-131	38	30	M1,R1
1,4-Dichlorobenzene	ug/L	<1.0	20	20	7.6	5.0	38	25	74-125	42	30	M1,R1
2,2-Dichloropropane	ug/L	<4.0	20	20	10.9	7.5	55	37	58-137	38	30	M1,R1
2-Butanone (MEK)	ug/L	<5.0	100	100	50.6	35.1	51	35	45-132	36	30	M1,R1
2-Chlorotoluene	ug/L	<1.0	20	20	8.2	5.0	41	25	66-134	48	30	M1,R1
4-Chlorotoluene	ug/L	<1.0	20	20	7.9	4.9	40	25	70-132	46	30	M1,R1
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	100	100	49.1	33.6	49	34	54-143	38	30	M1,R1
Acetone	ug/L	<20.0	100	100	45.6	36.4	46	36	51-150	23	30	M1
Allyl chloride	ug/L	<4.0	20	20	8.9	6.7	45	34	52-150	28	30	M1
Benzene	ug/L	<1.0	20	20	9.7	6.6	48	32	62-140	38	30	M1,R1

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: Simplot Sunnyside
Pace Project No.: 10436831

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2975423 2975424

Parameter	Units	10436832003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Bromobenzene	ug/L	<1.0	20	20	9.3	5.9	47	29	70-128	45	30	M1,R1
Bromochloromethane	ug/L	<1.0	20	20	10.6	7.2	53	36	65-131	38	30	M1,R1
Bromodichloromethane	ug/L	<1.0	20	20	9.0	6.2	45	31	74-127	37	30	M1,R1
Bromoform	ug/L	<4.0	20	20	7.6	5.4	38	27	59-125	34	30	M1,R1
Bromomethane	ug/L	<4.0	20	20	9.8	5.8	49	29	30-149	52	30	M1,R1
Carbon tetrachloride	ug/L	<1.0	20	20	8.7	5.6	44	28	67-134	43	30	M1,R1
Chlorobenzene	ug/L	<1.0	20	20	9.2	5.9	46	29	72-131	44	30	M1,R1
Chloroethane	ug/L	<1.0	20	20	13.5	7.0	67	35	55-150	63	30	M1,R1
Chloroform	ug/L	<1.0	20	20	9.3	6.4	47	32	67-125	38	30	M1,R1
Chloromethane	ug/L	<4.0	20	20	13.3	7.3	67	37	43-148	58	30	M1,R1
cis-1,2-Dichloroethene	ug/L	<1.0	20	20	10.3	7.0	51	35	62-132	38	30	M1,R1
cis-1,3-Dichloropropene	ug/L	<4.0	20	20	8.1	5.6	41	28	63-129	37	30	M1,R1
Dibromochloromethane	ug/L	<1.0	20	20	8.2	5.8	41	29	67-127	35	30	M1,R1
Dibromomethane	ug/L	<4.0	20	20	9.2	6.4	46	32	68-132	36	30	M1,R1
Dichlorodifluoromethane	ug/L	<1.0	20	20	12.6	5.6	63	28	59-144	76	30	M1,R1
Diethyl ether (Ethyl ether)	ug/L	<4.0	20	20	9.8	6.8	49	34	52-139	36	30	M1,R1
Ethylbenzene	ug/L	<1.0	20	20	9.5	5.9	45	28	75-131	46	30	M1,R1
Hexachloro-1,3-butadiene	ug/L	<1.0	20	20	6.1	3.6	30	18	58-146	50	30	M1,R1
Isopropylbenzene (Cumene)	ug/L	<1.0	20	20	8.9	5.2	45	26	71-132	52	30	M1,R1
Methyl-tert-butyl ether	ug/L	<1.0	20	20	9.9	7.1	49	35	65-130	32	30	M1,R1
Methylene Chloride	ug/L	<4.0	20	20	9.5	6.8	47	34	66-125	33	30	M1,R1
n-Butylbenzene	ug/L	<1.0	20	20	6.1	3.7	30	18	57-141	49	30	M1,R1
n-Propylbenzene	ug/L	<1.0	20	20	7.9	4.7	39	23	70-131	51	30	M1,R1
Naphthalene	ug/L	<4.0	20	20	7.1	4.7	36	23	48-134	42	30	M1,R1
p-Isopropyltoluene	ug/L	<1.0	20	20	6.9	4.0	34	20	66-136	52	30	M1,R1
sec-Butylbenzene	ug/L	<1.0	20	20	7.5	4.1	37	20	69-134	58	30	M1,R1
Styrene	ug/L	<1.0	20	20	8.9	5.5	44	28	65-134	46	30	M1,R1
tert-Butylbenzene	ug/L	<1.0	20	20	8.3	4.7	41	23	71-130	56	30	M1,R1
Tetrachloroethene	ug/L	<1.0	20	20	8.4	5.1	42	26	69-135	48	30	M1,R1
Tetrahydrofuran	ug/L	<10.0	200	200	93.1	68.4	47	34	48-150	31	30	M1,R1
Toluene	ug/L	<1.0	20	20	9.5	6.1	45	28	68-132	43	30	M1,R1
trans-1,2-Dichloroethene	ug/L	<1.0	20	20	9.6	6.4	48	32	61-134	40	30	M1,R1
trans-1,3-Dichloropropene	ug/L	<4.0	20	20	9.1	6.1	46	31	66-125	39	30	M1,R1
Trichloroethene	ug/L	<0.40	20	20	9.1	6.0	45	30	64-136	41	30	M1,R1
Trichlorofluoromethane	ug/L	<1.0	20	20	15.0	7.2	75	36	65-146	70	30	M1,R1
Vinyl chloride	ug/L	<0.20	20	20	15.4	8.0	77	40	51-150	64	30	M1,R1
Xylene (Total)	ug/L	<3.0	60	60	27.8	17.3	46	29	69-135	47	30	MS,RS
1,2-Dichloroethane-d4 (S)	%.						101	101	75-125			
4-Bromofluorobenzene (S)	%.						95	96	75-125			
Toluene-d8 (S)	%.						99	97	75-125			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: Simplot Sunnyside
Pace Project No.: 10436831

QC Batch: 546947 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 10436831002

METHOD BLANK: 2973851 Matrix: Water
Associated Lab Samples: 10436831002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	06/26/18 11:01	

LABORATORY CONTROL SAMPLE: 2973852

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2.5	2.8	110	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2973853 2973854

Parameter	Units	10435693001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	ND	2.5	2.5	2.6	2.7	104	107	90-110	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2973855 2973856

Parameter	Units	10435693002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	ND	2.5	2.5	2.7	2.7	107	107	90-110	0	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: Simplot Sunnyside
Pace Project No.: 10436831

QC Batch: 547401 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 10436831002

METHOD BLANK: 2975799 Matrix: Water
Associated Lab Samples: 10436831002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	0.10	06/27/18 15:22	

LABORATORY CONTROL SAMPLE: 2975800

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	1	0.96	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2975801 2975802

Parameter	Units	10436640003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	0.49	1	1	1.4	1.4	92	95	90-110	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2975803 2975804

Parameter	Units	10436640004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	0.17	1	1	1.1	1.1	93	96	90-110	3	20	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: Simplot Sunnyside
Pace Project No.: 10436831

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-M	Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

HS	Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
MS	Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.
R1	RPD value was outside control limits.
RS	The RPD value in one of the constituent analytes was outside the control limits.

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Minneapolis, MN 55414
(612)607-1700

METHOD CROSS REFERENCE TABLE

Project: Simplot Sunnyside
Pace Project No.: 10436831

Parameter	Matrix	Analytical Method	Preparation Method
8260B VOC	Water	SW-846 8260B/5030B	N/A

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Simplot Sunnyside
Pace Project No.: 10436831

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10436831002	**MW-7**	EPA 3020	546667	EPA 6020B	547417
10436831002	**MW-7**	EPA 7470A	546668	EPA 7470A	547033
10436831001	**Trip Blank**	EPA 8260B	547301		
10436831002	**MW-7**	EPA 8260B	547008		
10436831002	**MW-7**	EPA 350.1	546947		
10436831002	**MW-7**	EPA 353.2	547401		

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytica

The Chain-of-Custody is a LEGAL DOCUMENT. All

WO# : 10436831

10436831

Page 1 Of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	HDR Engineering	Report To:	~~Alyssa Chase~~ Alyssa Veatch	Attention:	Accounts Payable
Address:	412 E. Parkcenter Blvd	Copy To:		Company Name:	HDR Engineering
	Suite 100, Boise, ID 83706			Address:	412 E Parkcenter Blvd, Suite 100 Boise, ID 83706
Email:	alyssa.chase@hdrinc.com	Purchase Order #:		Pace Quote:	00046313; Chris Norman
Phone:	208-387-7113 Fax	Project Name:	Simplot Sunnyside	Pace Project Manager:	jennifer.gross@pacelabs.com,
Requested Due Date:	10 Day Standard Turn	Project #:		Pace Profile #:	38721

Regulatory Agency

State / Location: WA / Sunnyside

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analysis Test Y/N	Nitrate+Nitrite by 353.2	Ammonia by 350.1	6020/7470 RCRA8	VOCs by 8260	Residual Chlorine (Y/N)	
1	Trip Blank			6/20/18					3													X		001
2	MW-7			6/20/18	1125				5		X	X	X						X	X	X	X		002
3	~~Trip blank~~ RS 6/22/18																							
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
*Broke lid on one of MW-7 VOAs; replaced with spare bottle from the last sampling event	Alyssa Veatch / HDR	6/21/18	1600	PACE	6/22/18	0440	4.8	Y	Y	Y
*New email: Alyssa.veatch@hdrinc.com										

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Alyssa Veatch		
SIGNATURE of SAMPLER:	Alyssa Veatch	DATE Signed:	6/21/18

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Pace Analytical	Document Name: **Sample Condition Upon Receipt Form**	Document Revised: 02May2018 Page 1 of 2
	Document No.: **F-MN-L-213-rev.23**	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: HDR Engineering

Project #: **WO#: 10436831**

PM: JMG **Due Date: 06/29/18**

CLIENT: HDR_WA

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ SpeeDee ☐ Other:

Tracking Number: 749596413822

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

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☒ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other: **Temp Blank?** ☐ Yes ☒ No

Thermometer Used: ☐ G87A9170600254 ☒ G87A9155100842

Type of Ice: ☐ Wet ☒ Blue ☐ None ☐ Dry ☐ Melted

Cooler Temp Read (°C): 4.7 **Cooler Temp Corrected (°C):** 4.8 **Biological Tissue Frozen?** ☐ Yes ☐ No ☒ N/A

Temp should be above freezing to 6°C **Correction Factor:** +0.1 **Date and Initials of Person Examining Contents:** AS 6/22/18

USDA Regulated Soil (☒ N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA. MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present?	☒ Yes	☐ No		1.
Chain of Custody Filled Out?	☒ Yes	☐ No		2.
Chain of Custody Relinquished?	☒ Yes	☐ No		3.
Sampler Name and/or Signature on COC?	☒ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time?	☒ Yes	☐ No		5.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☒ No		6.
Rush Turn Around Time Requested?	☐ Yes	☒ No		7.
Sufficient Volume?	☒ Yes	☐ No		8.
Correct Containers Used?	☒ Yes	☐ No		9.
-Pace Containers Used?	☒ Yes	☐ No		
Containers Intact?	☒ Yes	☐ No		10.
Filtered Volume Received for Dissolved Tests?	☐ Yes	☐ No	☒ N/A	11. Note if sediment is visible in the dissolved container
Is sufficient information available to reconcile the samples to the COC? Matrix: WT	☒ Yes	☐ No		12.
All containers needing acid/base preservation have been checked?	☒ Yes	☐ No	☐ N/A	13. ☒ HNO_3 ☒ H_2SO_4 ☐ NaOH Positive for Res. Chlorine? Y N
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, <2pH, NaOH >9 Sulfide, NaOH>12 Cyanide)	☒ Yes	☐ No	☐ N/A	Sample # 1, 1
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS	☒ Yes	☐ No	☐ N/A	Initial when completed: Lot # of added preservative:
Headspace in VOA Vials (>6mm)?	☒ Yes	☐ No	☐ N/A	14. See exceptions
Trip Blank Present?	☒ Yes	☐ No	☐ N/A	15.
Trip Blank Custody Seals Present?	☒ Yes	☐ No	☐ N/A	
Pace Trip Blank Lot # (if purchased): 163211				

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: Alyssa Date/Time: 06/25/18

Comments/Resolution: Notified client of headspace.

Project Manager Review: Jenni Gross **Date:** 06/25/18

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

Pace Analytical	Document Name: **Headspace Exception**	Document Revised: 06Nov2017 Page 1 of 1
	Document No.: **F-MN-C-276-Rev.00**	Issuing Authority: Pace Minnesota Quality Office

Sample ID	Headspace > 6mm	Headspace < 6mm	No Headspace	Total Vials
Trip blank	3	0	0	3

Pace Container Order #371915

Addresses

Order By :		Ship To :		Return To:	
Company	HDR Engineering	Company	HDR Engineering	Company	Pace Analytical Minnesota
Contact	Alyssa Chase	Contact	Alyssa Chase	Contact	Gross, Jennifer
Email	alyssa.chase@hdrinc.com	Email	alyssa.chase@hdrinc.com	Email	jennifer.gross@pacelabs.com
Address	412 E. Parkcenter Blvd	Address	412 E. Parkcenter Blvd	Address	1700 Elm Street
Address 2	Suite 100	Address 2	Suite 100	Address 2	Suite 200
City	Boise	City	Boise	City	Minneapolis
State	ID Zip 83706	State	ID Zip 83706	State	MN Zip 55414
Phone	(208) 387-7113	Phone	(208) 387-7113	Phone	(206)957-2426

Info

Project Name	Simplot Sunnyside	**Due Date**	06/12/2018	**Profile**	38721	**Quote**	
Project Manager	Gross, Jennifer	**Return**		**Carrier**	Most Economical	**Location**	WA

Trip Blanks

- [X] Include Trip Blanks

Bottle Labels

- [ ] Blank
- [X] Pre-Printed No Sample IDs
- [ ] Pre-Printed With Sample IDs

Bottles

- [ ] Boxed Cases
- [ ] Individually Wrapped
- [X] Grouped By Sample

Return Shipping Labels

- [ ] No Shipper Number
- [X] With Shipper Number

COC Options

- [ ] Number of Blanks
- [X] Pre-Printed 1

Misc

- [ ] Sampling Instructions
- [X] Custody Seal
- [X] Temp. Blanks
- [X] Coolers
- [ ] Syringes
- [X] Extra Bubble Wrap
- [ ] Short Hold/Rush Stickers
- [ ] DI Water Liter(s)
- [ ] USDA Regulated Soils

# of Samples	Matrix	Test	Container	Total	# of QC	Lot #	Notes
1	WT	6020/7470 RCRA8 Metals	1-250mL plastic HNO3	1	0	051418-2DTX	
1	WT	Nitrate+Nitrite by 353.2 / Ammonia by 350.1	1-250mL plastic H2SO4-sulfuric acid	1	0	051418-4CFX	
1	WT	VOC by 8260	(3) 40ml clear vial HCL	3	0	8-039-004	
1	WT	Trip BLANK	3- 40 mL vials HCl & DI Water	3	0	163211	VOC by 8260

RETURN W/ SAMPLES

Hazard Shipping Placard In Place : NO

*Sample receiving hours are Mon-Fri 7:30am-7:00pm and Sat 9:00am-1:00pm unless special arrangements are made with your project manager.

*Pace Analytical reserves the right to return hazardous, toxic, or radioactive samples to you.
*Pace Analytical reserves the right to charge for unused bottles, as well as cost associated with sample storage and disposal.
*Payment term are net 30 days.
*Please include the proposal number on the chain of custody to insure proper billing.

Sample Notes

Ship Date :	06/08/2018
Prepared By:	CM
Verified By:	KG

B

Groundwater Sampling Validation Report, April 2018

Simplot Grower Solutions
Sunnyside, Washington Site

DATA VALIDATION REPORT
FOR
April 2018 GROUNDWATER SAMPLING EVENT

Introduction

This report summarizes the data validation performed on the groundwater analytical results of the samples collected on April 25, 2018. Collection and analysis of these samples were conducted in accordance with the procedures and protocols specified in the July 2012 *Source Removal, Drain Evaluation, Monitoring Well Construction, and Sampling Work Plan*, subsequent letter modifications, and recommendations from the February, 2013 *Source Removal, Drain Evaluation, Monitoring Well Construction, and Sampling Report*.

The data validation for groundwater samples considered the following elements:

- Sampling procedures
- Holding times
- Detection limit
- Surrogate spike recoveries
- Laboratory method blank
- Laboratory control sample
- Trip blank
- Laboratory spikes and spike duplicates
- Duplicate field sample

Sampling Procedures

Groundwater samples were collected from monitoring wells at the Simplot Grower Solutions site in Sunnyside, Washington on April 25, 2018. Each monitoring well was purged and sampled using a disposable bailer. Purged water was monitored for temperature, pH, dissolved oxygen, and electrical conductivity. Purging continued until there was less than a 10 percent variance in parameter measurements after three consecutive readings or a minimum of three static well casing volumes had been removed.

Samples were labeled, sealed, placed in a cooler, and shipped to Pace Analytical of Minneapolis, Minnesota.

ESC Lab Sciences analyzed samples for the following constituents:

- Ammonia nitrogen – Method 350.1
- Nitrate-nitrite – Method 353.2
- Mercury, Dissolved – Method 7470A
- Metals (ICP) by Method 6010C
- Volatile organic compounds (GC/MS) by Method 8260C

Holding Times

A total of 10 water samples were submitted to Pace Analytical, including a trip blank. Holding times were met for all analytes.

Detection Limit

Detection limits are specified by the analytical methods. Dilution factors ranged as follows:

- Ammonia nitrogen (Method 350.1) – 1
- Nitrate-nitrite (Method 353.2) – 1 to 50
- Mercury (Method 7470A) – 1
- Metals (Method 6010C) – 1 to 10
- Volatile organics (Method 8260C) – 1

Surrogate Spike Recoveries

Surrogate spike recoveries were reviewed and evaluated for adherence to the control limits specified for their respective methods. The surrogate recoveries were within control limits.

Laboratory Method Blank

No compounds were detected at or above the method reporting limits in the laboratory method blanks.

Laboratory Control Sample

Percent recoveries of the laboratory control samples were reported within acceptance limits.

Trip Blank

A trip blank was included with the sample bottle shipment and was analyzed for volatile organics (Method 8260B). The trip blank was below detection limits for all constituents.

Laboratory Spikes and Spike Duplicates

Matrix spikes (MS) and matrix spike duplicates (MSD) were performed on random samples selected by the laboratory for each batch run. The samples selected for the MS and MSD were other project sites. Thus, the matrix result while reflective of laboratory precision may not reflect matrix interferences from the Sunnyside project site. Almost all percent recoveries were within limits.

- The matrix spike duplicate percent recovery for barium was 163 percent while the range of limits for barium is 75-125. The matrix spike percent recovery is in this limit. In addition, it was qualified as estimated ("E") meaning that the analyte concentration exceeded the calibration range, and qualified as M1 indicated that the matrix spike recovery exceeded QC limits, but the batch was accepted based on laboratory control sample recovery. No sample flag is required.
- The matrix spike percent recovery for nitrogen, NO2 plus NO3 was 115 percent for the matrix spike and 115 percent for the matrix spike duplicate. The range of limits for this analyte is 90-110 percent. In addition, it was qualified as estimated ("E") meaning that the analyte concentration exceeded the calibration range, and qualified as M1 indicated that the matrix spike recovery exceeded QC limits, but the batch was accepted based on laboratory control sample recovery. No sample flag is required.

Duplicate Field Sample

A duplicate sample was secured from monitoring well MW-5R (Duplicate: MW-8). The results of the duplicate are presented in **Table 1**. The duplicate is within the acceptable range indicating acceptable precision of results with the exception of nitrate-nitrite.

Table 1. Relative Percent Difference (RPD) of Detected Compounds for Duplicate Sample from MW-5R (April 25, 2018)

Detected Compound	MW-5R(mg/L)	DUPLICATE (mg/L)	RPD
Nitrate-Nitrite	16.8	2.5	148.19%
Arsenic (Dissolved)	0.0956	0.0924	3.4%
Barium (Dissolved)	0.493	0.580	16.2%
Cadmium (Dissolved)	0.0011	0.001	9.5%
Chromium (Dissolved)	0.0264	0.0315	17.6%
Lead	0.0212	0.0236	10.7%
Selenium	0.0109	0.010	8.6%
1, 2-Dichloroethane	0.0032	0.0027	16.9%

RPD (relative percent difference) = [MW-5R – MW-8]/ [mean (MW-5R, MW-8)] X 100

mg/L = milligrams per liter

The duplicate is within the acceptable range indicating acceptable precision of results with the exception of nitrate. The relative percent difference for nitrate-nitrite is very high at 148.19 percent. Barium (dissolved), chromium (dissolved), and 1,2-Dichloroethane are relatively high, and only 1,2-Dichloroethane is above MTCA Method B. Nitrate, barium, and chromium are below regulatory maximum contaminant levels.

C

Regulatory Groundwater Values for Selected Constituents

Simplot Grower Solutions, Sunnyside, Washington

Summary of Compounds Detected in Groundwater

Compound	Federal MCL (mg/L)	State MCL (mg/L)	MTCA Groundwater, Method A, Table Value (mg/L)	MTCA Groundwater, Method B, Standard Formula Value, Carcinogen (mg/L)	MTCA Groundwater, Method B, Standard Formula Value, Non-carcinogen (mg/L)
1,2,3-Trimethylbenzene	N/A	N/A	N/A	N/A	N/A
1,2,4-Trimethylbenzene	N/A	N/A	N/A	N/A	N/A
1,2-Dichloroethane	0.005	0.005	0.005	0.0004808	0.16
1,2-Dichloropropane	0.005	0.005	N/A	N/A	N/A
1,3,5-Trimethylbenzene	N/A	N/A	N/A	N/A	0.08
1-Methylnaphthalene	N/A	N/A	N/A	N/A	N/A
2-Chlorotoluene	N/A	N/A	N/A	N/A	0.16
2-Methylnaphthalene	N/A	N/A	N/A	N/A	N/A
2,4-D	0.07	0.07	N/A	N/A	0.16
Acrolein	N/A	N/A	N/A	N/A	0.004
Ammonia-Nitrogen	N/A	N/A	N/A	N/A	N/A
Arsenic	0.01	0.01	0.005	0.00005833	0.0048
Barium	2	2	N/A	N/A	3.2
Benzene	0.005	0.005	0.005	0.0007955	0.032
Cadmium	0.005	0.005	0.005	N/A	0.016
Chlorobenzene	0.1	0.1	N/A	N/A	0.16
Dicamba	N/A	N/A	N/A	N/A	0.48
Diesel Range Organics	N/A	N/A	0.5	N/A	N/A
Dinoseb	0.007	0.007	N/A	N/A	N/A
Ethylbenzene	0.7	0.7	N/A	N/A	0.8
Fluorene	N/A	N/A	N/A	N/A	0.64
Gasoline Range Organics	N/A	N/A	0.8	N/A	N/A
Isopropylbenzene	N/A	N/A	N/A	N/A	0.8
Lead	0.015	0.015	0.015	N/A	N/A
Naphthalene	N/A	N/A	0.16	N/A	0.16
Nitrate-Nitrogen	10	10	N/A	N/A	N/A
Phenanthrene	N/A	N/A	N/A	N/A	N/A
n-Propylbenzene	N/A	N/A	N/A	N/A	0.8
Pyrene	N/A	N/A	N/A	N/A	0.48
Residual Range Organics	N/A	N/A	N/A	N/A	N/A
Selenium	0.05	0.05	N/A	N/A	0.08
Sulfate	N/A	N/A	N/A	N/A	N/A
Trichloroethene	0.005	0.005	0.005	N/A	N/A
Xylenes, Total	10	10	1	N/A	1.6

MCL = Drinking Water Maximum Contaminant Level
N/A = Not Applicable