

**STATE OF
COLORADO**Gagnon - DNR, Nikie <nikie.gagnon@state.co.us>

RE: Sweet Valley and Bernhardt TR1 - 2nd Adequacy Review letters

1 message

JC York <jcyork@j-tconsulting.com>

Fri, Sep 19, 2025 at 2:34 PM

To: "Gagnon - DNR, Nikie" <nikie.gagnon@state.co.us>

Nikie –

Attached is the updated letter with the changes we discussed as well as the water quality testing results tables with the columns showing the data in the correct quarter. I also went through the testing results and changed/corrected locations in the summary tables. Let me know if you need anything else.

Regards,

J.C.

J.C. York, P.E.

[J&T Consulting, Inc.](#)[305 Denver Avenue, Suite D](#)[Fort Lupton, CO 80621](#)Office: [\(303\) 857-6222](tel:(303)857-6222)Mobile: [\(970\) 222-9530](tel:(970)222-9530)FAX: [\(303\) 857-6224](tel:(303)857-6224)

From: Gagnon - DNR, Nikie <nikie.gagnon@state.co.us>**Sent:** Friday, September 19, 2025 12:21 PM**To:** JC York <jcyork@j-tconsulting.com>**Subject:** Re: Sweet Valley and Bernhardt TR1 - 2nd Adequacy Review letters

Hi J.C.

To follow-up on our phone conversation, I started reviewing the Bernhardt Pit adequacy response that you sent to me on September 9. The cover letter lists Sweet Valley Pit in the subject line along with CCWC as the operator, but the permit number is correct for Bernhardt. Also, the monitoring data from Eurofins is for the Sweet Valley Pit. Will you please resubmit the complete adequacy response for Bernhardt with the correct cover letter and monitoring well data collected on 8/18/2025.

As we discussed, all the summary tables need to be revised to show the sampling data in the correct quarter and year column. If you have time to fix this on Bernhardt, before you resend it to me, I won't need to call this out in the adequacy. I also found some data transcription errors so please check the lab sheets against the summary tables.

Kind regards,

Nikie Gagnon

On Tue, Sep 9, 2025 at 5:18 PM JC York <jcyork@j-tconsulting.com> wrote:

Nikie –

Attached is the response letter and information for the Bernhardt Sand & Gravel Pit. Let me know if you have any questions.

Regards,

J.C.

J.C. York, P.E.

[J&T Consulting, Inc.](#)

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From: Gagnon - DNR, Nikie <nikie.gagnon@state.co.us>
Sent: Monday, August 18, 2025 3:44 PM
To: JC York <jcyork@j-tconsulting.com>
Subject: Sweet Valley and Bernhardt TR1 - 2nd Adequacy Review letters

Hi J.C.

Following up on your conversations with Patrick last week regarding the groundwater monitoring at Ogilvy, Sweet Valley and Bernhardt, please see the attached 2nd adequacy letters for the groundwater revisions. This second set of comments on Bernhardt and Sweet Valley ensures consistency in what Patrick and I are asking for at each site.

Let me know if you have any questions.

Kind regards,

--

Nikie Gagnon

Environmental Protection Specialist



COLORADO
Division of Reclamation,
Mining and Safety
Department of Natural Resources

Cell: 720.527.1640

Physical: [1313 Sherman Street, Room 215, Denver, CO 80203](#)

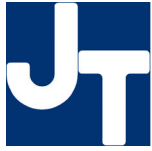
Address for FedEx, UPS, or hand delivery:

DRMS Room 215, [1001 E 62nd Ave, Denver, CO 80216](#)

nikie.gagnon@state.co.us | <https://www.drms.colorado.gov>



M2023-025 JT DRMS Bernhardt Sand & Gravel Pit Technical Revision Adequacy Review Response Letter
9.10.25.pdf
3458K



J&T Consulting, Inc.

September 9, 2025

Ms. Nikie Gagnon
Environmental Protection Specialist
State of Colorado
Division of Reclamation, Mining, and Safety

Physical Address:

1313 Sherman Street, Room 215
Denver, CO 80203

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Division of Reclamation, Mining and Safety, Room 215
1001 East 62nd Avenue
Denver, CO 80216

*RE: Bernhardt Sand & Gravel Pit, File No. M-2023-025,
Adequacy Review 1&2 Responses for Technical Revision No. 1*

Dear Ms. Gagnon,

W.W. Clyde & Co. has received the DRMS's adequacy review 1 dated August 5, 2025 and the adequacy review 2 dated August 11, 2025 for Technical Revision No. 1 dated August 5, 2025.

Below are our responses to adequacy review 1:

1. The SGS Technical Report provided five quarters of monitoring data for MW-2 and MW-3, but only four quarters for MW-1 and MW-4. As per the Division's Sampling and Analysis Plan Guidance (2024), a minimum of five consecutive quarters of baseline sampling are required to identify seasonal trends and site-specific variability. Please collect and submit an additional quarter of groundwater quality sampling results to the Division along with an updated spreadsheet showing the field data (pH, temperature, conductivity, ORP, turbidity) for the five quarters.

Response: Acknowledged. Another sample has been collected and results are included in the attachments.

2. The data table included in TR-1 does not match the SGS Technical Report sampling data for MW-1, MW-2, MW-3, and MW-4. It appears to be a duplicate of the baseline data submitted for the Sweet Valley Pit revision submitted at the same time. Once you obtain an additional quarter of groundwater monitoring data, please revise and resubmit the data tables for the Bernhardt monitoring wells.

Response: The table has been revised with the correct data and values.

Below are our responses to adequacy review 2:

1. Upon reviewing the SGS laboratory data, the Division observed that the reports are incomplete, specifically noting that the report jumps from Page 1 of 59 to Page 21 of 59. Given that the SGS report specifically states, "This report shall not be reproduced, except in its entirety, without the written approval of SGS", we request that you submit the



9/9/25

-2-

complete SGS report for all five quarters of background data as part of your response to the Division's adequacy questions.

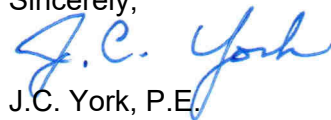
Response: The report was shortened with the data from the Bernhardt Sand & Gravel Pit only as we didn't want to include the other sites that were in the report. We have provided the full report but there are several pits included in the report. The naming for this pit's samples also got mis-named as there are several call outs for Bernhardt Sand & Gravel Pit (correct name), Barnhardt Sand & Gravel Pit, Bernardt S&G and Bernhart but they all are for the same monitor wells on the Sweet Valley Pit.

2. The background data submitted does not represent five quarters of consecutive groundwater data, which is required by the Division's Sampling and Analysis Plan Guidance (2024), to determine seasonal trends and site-specific variability. Please ensure that future submittals of groundwater data, clearly label the date and quarter that each sample was collected in the tables and on the cover sheets. Additionally, please confirm that five consecutive quarters of data are included as part of TR-1. An extension to the decision date may be requested if additional time is needed to meet this requirement or the Applicant may provide a discussion using site specific data why five consecutive quarters of data are not needed for the Division's consideration.

Response: Our consultant that does the water quality sampling had some issues on being able to complete sampling with staffing issues as the owner's son who was obtaining the samples had some health issues and ended up passing away so there was a time period where samples were delayed. The owner was not available for a period of time but has since taken care of having staff available to continue sampling. We apologize for the inconvenience. This pit has not began mining operations below the groundwater surface so we believe the sampling shows the trends accurately even though we had one quarter of sampling that was not sampled consecutively.

Prior to getting adequacy review comments back on the original permit we had proposed to only sample two of the four monitor wells so the first samples for Monitor Well 1 and Monitor Well 3 were sampled for the first quarter and the Existing Monitor Well and Monitor Well 2 were sampled starting in the 2nd quarter of sampling.

Sincerely,



J.C. York, P.E.
J&T Consulting, Inc.

Attachments:

Water Quality Testing Spreadsheet – Last 5 quarters of data and information on elements sampled and tested.

Field Information for Sampling of pH, temperature, conductivity, ORP, turbidity

SGS Lab Testing Reports and Eurofins Lab Testing Reports

cc: W.W. Clyde & Co., File



Monitor Well Number	Element	Reg 41 Values (mg/l)	2024				2025			
			Q1 Result (mg/l)	Q2 Results (mg/l)	Q3 Result (mg/l)	Q4 Results (mg/l)	Q1 Result (mg/l)	Q2 Result (mg/l)	Q3 Result (mg/l)	Q4 Result (mg/l)
1	Fluoride	2		1		1	1.2	0.98	0.93	
	Chloride	250		82.1		85.7	87.4	98.9	83	
	Sulfate	250		467		491	496	545	450	
	Nitrogen, Nitrate (NO3)	10								
	Nitrogen, Nitrite (NO2)	1								
	Nitrogen + Nitrate as Nitrogen	10		0.74		0.97	0.58	0.41	0.28	
	Solids, Total Dissolved	X		951		976	991	940	990	
	Dissolved Metal Analysis									
	Aluminum	5		<0.05		0.163	<0.05	<0.05	6.2	
	Antimony	0.006		<0.0004		<0.0004	0.00042	<0.0004	0.0005	
	Arsenic	0.01		0.00035		0.00027	0.00027	0.0004	0.0028	
	Barium	2		0.0439		0.0279	0.0272	0.0279	0.083	
	Beryllium	0.004		<0.0002		<0.0002	<0.0002		0	
	Boron	0.75		0.204		0.208	0.205		0.2	
	Cadmium	0.005		<0.0001		<0.0001	<0.0001	<0.0001	0	
	Chromium	0.1	Not Available	<0.002	Not Available	<0.002	<0.002	<0.002	0.0065	
	Cobalt	0.05		0.0017		0.0015	0.0017	0.00094	0.007	
	Copper	0.2		<0.002		<0.002	<0.002	<0.002	0.0064	
	Iron	0.3		<0.02		0.191	<0.02	0.05	8.9	
	Lead	0.05		<0.0005		<0.0005	<0.0005	<0.0005	0.0042	
	Lithium	2.5		0.0123		0.0215	0.0075	<0.01	0.014	
	Manganese	0.05		0.856		0.785	0.781	0.635	2.2	
	Mercury	0.002		<0.0001		<0.0001	<0.0001	<0.0001	0	
	Molybdenum	0.21		0.0068		0.0071	0.0084	0.0083	0.0096	
	Nickel	0.1		0.0028		<0.002	0.0026	<0.002	0.0062	
	Selenium	0.02		0.0035		0.0051	0.0051	0.0054	0.0048	
	Silver	0.05		<0.0001		<0.0001	<0.0001	<0.0001	0	
	Thallium	0.002		<0.0002		<0.0002	<0.0002	<0.0002	0	
	Uranium	0.03		0.0323		0.031	0.0319	0.0342	0.03	
	Vanadium	0.1		<0.001		<0.001	<0.001	<0.001	0.015	
	Zinc	2		<0.01		<0.01	<0.01	<0.01	0.037	

Means meets regulation

A zero reading means Not Detected

Element	Recommendation
Fluoride	These elements exceeded Reg 41 thresholds during at least one quarter in at least one well, therefore they should continue to be included in future testing
Sulfate	
Iron	
Manganese	
Uranium	
TDS	
Aluminum	

Monitor Well Number	Element	Reg 41 Values (mg/l)	2024				2025			
			Q1 Result (mg/l)	Q2 Results (mg/l)	Q3 Result (mg/l)	Q4 Results (mg/l)	Q1 Result (mg/l)	Q2 Result (mg/l)	Q3 Result (mg/l)	Q4 Result (mg/l)
2	Fluoride	2	0.8	0.94	Not Available	<2.5	1.1	0.86	0.73	
	Chloride	250	135	136		128	128	140	81	
	Sulfate	250	320	274		275	284	282	290	
	Nitrogen, Nitrate (NO3)	10	5.7							
	Nitrogen, Nitrite (NO2)	1	0.11							
	Nitrogen + Nitrate as Nitrogen	10	5.8	2		1.9	0.68	1.8	0.35	
	Solids, Total Dissolved	X	888	825		373	767	729	780	
	Dissolved Metal Analysis									
	Aluminum	5	<0.1	<0.25		<0.05	<0.05	<0.05	1.3	
	Antimony	0.006	<0.03	<0.0004		<0.0004	<0.0004	<0.0004	0	
	Arsenic	0.01	<0.025	0.00037		0.00028	0.0004	0.00043	0	
	Barium	2	0.0557	0.0454		0.0463	0.0369	0.0366	0.039	
	Beryllium	0.004	<0.01	<0.0002		<0.0002	<0.0002	<0.0002	0	
	Boron	0.75	0.206	0.215		0.227	0.222	0.208	0.2	
	Cadmium	0.005	<0.01	<0.0001		<0.0001	<0.0001	<0.0001	0	
	Chromium	0.1	<0.01	<0.01		<0.002	<0.002	<0.002	0.0014	
	Cobalt	0.05	<0.005	0.002		0.0019	0.0018	0.0019	0.0038	
	Copper	0.2	<0.01	<0.002		<0.002	<0.002	<0.002	0.0011	
	Iron	0.3	<0.07	<0.02		0.00304	<0.02	0.027	1.8	
	Lead	0.05	<0.05	<0.0005		<0.0005	<0.0005	<0.0005	0.00093	
	Lithium	2.5	0.0189	0.0211		0.0298	0.0145	0.0134	0	
	Manganese	0.05	0.322	0.451		444	0.358	0.399	0.72	
	Mercury	0.002	<0.0001	<0.0001		<0.0001	<0.0001	<0.0001	0	
	Molybdenum	0.21	<0.01	0.0051		0.0056	0.0069	0.0059	0.0079	
	Nickel	0.1	<0.03	0.0033		0.003	0.0035	0.0044	0.0038	
	Selenium	0.02	<0.05	0.0024		0.0019	0.00055	0.00086	0.002	
	Silver	0.05	<0.03	<0.0001		<0.0001	<0.0001	<0.0001	0	
	Thallium	0.002	<0.01	<0.0002		<0.0002	<0.0002	<0.0002	0	
	Uranium	0.03	<0.05	0.0258		0.0231	0.0254	0.0256	0.024	
	Vanadium	0.1	<0.01	<0.005		<0.001	<0.001	<0.001	0.0033	
	Zinc	2	<0.03	<0.01		<0.01	<0.01	<0.01	0.0082	

Means meets regulation
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Element	Recommendation
Fluoride	These elements exceeded Reg 41 thresholds during at least one quarter in at least one well, therefore they should continue to be included in future testing
Sulfate	
Iron	
Manganese	
Uranium	
TDS	
Aluminum	

Monitor Well Number	Element	Reg 41 Values (mg/l)	2024				2025			
			Q1 Result (mg/l)	Q2 Results (mg/l)	Q3 Result (mg/l)	Q4 Results (mg/l)	Q1 Result (mg/l)	Q2 Result (mg/l)	Q3 Result (mg/l)	Q4 Result (mg/l)
3	Fluoride	2	0.77	0.82	Not Available	0.72	1.3	0.83	0.81	
	Chloride	250	77.6	75.1		78.3	164	90.8	130	
	Sulfate	250	237	258		286	202	318	260	
	Nitrogen, Nitrate (NO3)	10	0.54							
	Nitrogen, Nitrite (NO2)	1	<0.040							
	Nitrogen + Nitrate as Nitrogen	10	0.54	0.56		0.41	0.43	0.48	1.9	
	Solids, Total Dissolved	X	655	657		448	674	669	790	
	<i>Dissolved Metal Analysis</i>									
	Aluminum	5	<0.1	<0.05		0.2	<0.05	0.445	0.092	
	Antimony	0.006	<0.03	<0.0004		<0.0004	<0.0004	<0.0004	0	
	Arsenic	0.01	<0.025	0.0002		0.00026	0.0002	0.00037	0.0014	
	Barium	2	0.0329	0.0287		0.0262	0.0218	0.0243	0.041	
	Beryllium	0.004	<0.01	<0.0002		<0.0002	<0.0002		0	
	Boron	0.75	0.202	0.211		0.203	0.2	0.206	0.22	
	Cadmium	0.005	<0.01	<0.0001		<0.0001	<0.0001	<0.0001	0	
	Chromium	0.1	<0.01	<0.002		<0.002	<0.002	<0.002	0	
	Cobalt	0.05	<0.005	0.0035		0.0033	0.0031	0.0032	0.002	
	Copper	0.2	<0.01	<0.002		<0.002	<0.002	<0.002	0	
	Iron	0.3	<0.07	<0.02		0.207	<0.02	0.563	0.14	
	Lead	0.05	<0.05	<0.0005		<0.0005	<0.0005	<0.0005	0	
	Lithium	2.5	0.0105	0.0105		0.0216	0.0063	<0.01	0.013	
	Manganese	0.05	0.582	0.89		0.723	0.786	0.713	0.35	
	Mercury	0.002	<0.0001	<0.0001		<0.0001	<0.0001	<0.0001	0	
	Molybdenum	0.21	<0.01	0.0079		0.0079	0.0083	0.0083	0.0055	
	Nickel	0.1	<0.03	0.0037		0.0032	0.0032	0.0027	0.0034	
	Selenium	0.02	<0.05	0.0011		0.0026	0.0016	0.002	0.00097	
	Silver	0.05	<0.03	<0.0001		<0.0001	<0.0001	<0.0001	0	
	Thallium	0.002	<0.01	<0.0002		<0.0002	<0.0002	<0.0002	0	
	Uranium	0.03	<0.05	0.029		0.0292	0.0298	0.031	0.022	
	Vanadium	0.1	<0.01	<0.001		<0.001	<0.001	<0.001	0.0016	
	Zinc	2	<0.03	<0.01		<0.01	<0.01	<0.01	0.0083	

Means meets regulation
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Element	Recommendation
Fluoride	These elements exceeded Reg 41 thresholds during at least one quarter in at least one well, therefore they should continue to be included in future testing
Sulfate	
Iron	
Manganese	
Uranium	
TDS	
Aluminum	

Monitor Well Number	Element	Reg 41 Values (mg/l)	2024				2025			
			Q1 Result (mg/l)	Q2 Results (mg/l)	Q3 Result (mg/l)	Q4 Results (mg/l)	Q1 Result (mg/l)	Q2 Result (mg/l)	Q3 Result (mg/l)	Q4 Result (mg/l)
4	Fluoride	2		0.76		0.87	0.95	0.75	0.7	
	Chloride	250		151		119	108	154	150	
	Sulfate	250		233		205	225	261	240	
	Nitrogen, Nitrate (NO3)	10								
	Nitrogen, Nitrite (NO2)	1								
	Nitrogen + Nitrate as Nitrogen	10		1.7		1.9	1	2.3	1.9	
	Solids, Total Dissolved	X		772		341	634	715	790	
	Dissolved Metal Analysis									
	Aluminum	5		<0.05		<0.05	<0.05	<0.05		0.33
	Antimony	0.006		0.00051		0.00065	0.00063	0.00045		0.001
	Arsenic	0.01		0.0013		0.0013	0.0011	0.0012		0.002
	Barium	2		0.0468		0.0409	0.0443	0.0401		0.078
	Beryllium	0.004		<0.0002		<0.0002	<0.0002			0
	Boron	0.75		0.212		0.215	0.176	0.185		0.2
	Cadmium	0.005		0.00011		<0.0001	<0.0001	<0.0001		0
	Chromium	0.1		<0.002		<0.002	<0.002	<0.002		0
	Cobalt	0.05		0.0021		0.0016	0.0013	0.0016		0.0017
	Copper	0.2		0.0029		0.0022	<0.002	0.0022		0.0027
	Iron	0.3		0.0266		0.0441	<0.02	0.0336		0.81
	Lead	0.05		<0.0005		<0.0005	<0.0005	<0.0005		0.0011
	Lithium	2.5		0.027		0.0339	0.0211	0.0212		0.024
	Manganese	0.05		0.296		0.204	0.247	0.328		0.21
	Mercury	0.002		<0.0001		<0.0001	<0.0001	<0.0001		0
	Molybdenum	0.21		0.0051		0.0069	0.0059	0.0046		0.0048
	Nickel	0.1		0.0026		0.0022	0.0021	<0.002		0.0037
	Selenium	0.02		0.0021		0.0014	0.0017	0.0024		0.002
	Silver	0.05		<0.0001		<0.0001	<0.0001	<0.0001		0
	Thallium	0.002		<0.0002		<0.0002	<0.0002	<0.0002		0
	Uranium	0.03		0.0143		0.0107	0.0134	0.0159		0.012
	Vanadium	0.1		<0.001		0.0011	<0.001	<0.001		0.0024
	Zinc	2		<0.01		<0.01	<0.01	<0.01		0.015

Means meets regulation
A zero reading means Not Detected

Element	Recommendation
Fluoride	These elements exceeded Reg 41 thresholds during at least one quarter in at least one well, therefore they should continue to be included in future testing
Sulfate	
Iron	
Manganese	
Uranium	
TDS	
Aluminum	

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

J&T Consulting

Material Sites WQ Testing

SGS Job Number: DA62542

Sampling Date: 03/01/24

Report to:

J&T Consulting Inc
305 Denver Avenue Suite D
Fort Lupton, CO 80621
jcyork@j-tconsulting.com

ATTN: JC York

Total number of pages in report: 59



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.



Eric Hoffman

Client Service contact: Kelly Blanchard 303-425-6021

Certifications: CO (CO00049), ND (R-027), UT (NELAP CO00049), LA (LA150028), TX (T104704511), WY (8TMS-L) HI (CO00049), NJ (CO011), NV (CO00049), AK (CO00049), CA (3076), and NC (08701)

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Test results relate only to samples analyzed.

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Sample Summary

J&T Consulting

Job No: DA62542

Material Sites WQ Testing

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
DA62542-1	03/01/24	10:13 TT	03/01/24	AQ	Ground Water	OGILVY RIVER FARM PIT (MW-1)
DA62542-1F	03/01/24	10:13 TT	03/01/24	AQ	Groundwater Filtered	OGILVY RIVER FARM PIT (MW-1)
DA62542-1FC	03/01/24	10:13 TT	03/01/24	AQ	Groundwater Filtered	OGILVY RIVER FARM PIT (MW-1)
DA62542-2	03/01/24	10:35 TT	03/01/24	AQ	Ground Water	OGILVY RIVER FARM PIT (MW-4)
DA62542-2F	03/01/24	10:35 TT	03/01/24	AQ	Groundwater Filtered	OGILVY RIVER FARM PIT (MW-4)
DA62542-2FC	03/01/24	10:35 TT	03/01/24	AQ	Groundwater Filtered	OGILVY RIVER FARM PIT (MW-4)
DA62542-3	03/01/24	12:40 TT	03/01/24	AQ	Ground Water	BARNHARDT SAND AND GRAVEL PIT (MW-2)
DA62542-3F	03/01/24	12:40 TT	03/01/24	AQ	Groundwater Filtered	BARNHARDT SAND AND GRAVEL PIT (MW-2)
DA62542-3FC	03/01/24	12:40 TT	03/01/24	AQ	Groundwater Filtered	BARNHARDT SAND AND GRAVEL PIT (MW-2)
DA62542-4	03/01/24	12:30 TT	03/01/24	AQ	Ground Water	BARNHARDT SAND AND GRAVEL PIT (MW-3)
DA62542-4F	03/01/24	12:30 TT	03/01/24	AQ	Groundwater Filtered	BARNHARDT SAND AND GRAVEL PIT (MW-3)
DA62542-4FC	03/01/24	12:30 TT	03/01/24	AQ	Groundwater Filtered	BARNHARDT SAND AND GRAVEL PIT (MW-3)
DA62542-5	03/01/24	12:55 TT	03/01/24	AQ	Ground Water	SWEET VALLEY PIT (MW-1)



Sample Summary
(continued)

J&T Consulting

Job No: DA62542

Material Sites WQ Testing

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
DA62542-5F	03/01/24	12:55 TT	03/01/24	AQ	Groundwater Filtered	SWEET VALLEY PIT (MW-1)
DA62542-5FC	03/01/24	12:55 TT	03/01/24	AQ	Groundwater Filtered	SWEET VALLEY PIT (MW-1)
DA62542-6	03/01/24	13:10 TT	03/01/24	AQ	Ground Water	SWEET VALLEY PIT (MW-3)
DA62542-6F	03/01/24	13:10 TT	03/01/24	AQ	Groundwater Filtered	SWEET VALLEY PIT (MW-3)
DA62542-6FC	03/01/24	13:10 TT	03/01/24	AQ	Groundwater Filtered	SWEET VALLEY PIT (MW-3)

Summary of Hits

Job Number: DA62542
Account: J&T Consulting
Project: Material Sites WQ Testing
Collected: 03/01/24

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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DA62542-1 OGILVY RIVER FARM PIT (MW-1)

Fluoride	0.35	0.20		mg/l	SW846 9056A
Chloride	167	5.0		mg/l	SW846 9056A
Nitrogen, Nitrate	11.9	0.50		mg/l	SW846 9056A
Sulfate	443	25		mg/l	SW846 9056A
Nitrogen, Nitrate + Nitrite ^a	11.9	0.70		mg/l	SW846 9056A
Solids, Total Dissolved	1380	10		mg/l	SM 2540C-2011

DA62542-1F OGILVY RIVER FARM PIT (MW-1)

Barium	59.0	10		ug/l	SW846 6010C
Boron	253	50		ug/l	SW846 6010C
Manganese	119	5.0		ug/l	SW846 6010C
Uranium	52.4	50		ug/l	SW846 6010C

DA62542-1FC OGILVY RIVER FARM PIT (MW-1)

Lithium ^b	80.4	10		ug/l	SW846 6010C
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DA62542-2 OGILVY RIVER FARM PIT (MW-4)

Fluoride	0.21	0.20		mg/l	SW846 9056A
Chloride	89.6	5.0		mg/l	SW846 9056A
Nitrogen, Nitrate	11.7	0.50		mg/l	SW846 9056A
Sulfate	454	25		mg/l	SW846 9056A
Nitrogen, Nitrate + Nitrite ^a	11.7	0.51		mg/l	SW846 9056A
Solids, Total Dissolved	1170	10		mg/l	SM 2540C-2011

DA62542-2F OGILVY RIVER FARM PIT (MW-4)

Barium	24.2	10		ug/l	SW846 6010C
Boron	260	50		ug/l	SW846 6010C
Manganese	47.4	5.0		ug/l	SW846 6010C
Uranium	52.7	50		ug/l	SW846 6010C

DA62542-2FC OGILVY RIVER FARM PIT (MW-4)

Lithium ^b	36.7	10		ug/l	SW846 6010C
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DA62542-3 BARNHARDT SAND AND GRAVEL PIT (MW-2)

Fluoride	0.80	0.20		mg/l	SW846 9056A
Chloride	135	5.0		mg/l	SW846 9056A
Nitrogen, Nitrite	0.11	0.040		mg/l	SW846 9056A

Summary of Hits

Job Number: DA62542
Account: J&T Consulting
Project: Material Sites WQ Testing
Collected: 03/01/24

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Nitrogen, Nitrate		5.7	0.25		mg/l	SW846 9056A
Sulfate		320	13		mg/l	SW846 9056A
Nitrogen, Nitrate + Nitrite ^a		5.8	0.29		mg/l	SW846 9056A
Solids, Total Dissolved		888	10		mg/l	SM 2540C-2011
DA62542-3F BARNHARDT SAND AND GRAVEL PIT (MW-2)						
Barium		55.7	10		ug/l	SW846 6010C
Boron		206	50		ug/l	SW846 6010C
Manganese		322	5.0		ug/l	SW846 6010C
DA62542-3FC BARNHARDT SAND AND GRAVEL PIT (MW-2)						
Lithium ^b		18.9	10		ug/l	SW846 6010C
DA62542-4 BARNHARDT SAND AND GRAVEL PIT (MW-3)						
Fluoride		0.77	0.20		mg/l	SW846 9056A
Chloride		77.6	5.0		mg/l	SW846 9056A
Nitrogen, Nitrate		0.54	0.020		mg/l	SW846 9056A
Sulfate		237	5.0		mg/l	SW846 9056A
Nitrogen, Nitrate + Nitrite ^a		0.54	0.060		mg/l	SW846 9056A
Solids, Total Dissolved		655	10		mg/l	SM 2540C-2011
DA62542-4F BARNHARDT SAND AND GRAVEL PIT (MW-3)						
Barium		32.9	10		ug/l	SW846 6010C
Boron		202	50		ug/l	SW846 6010C
Manganese		582	5.0		ug/l	SW846 6010C
DA62542-4FC BARNHARDT SAND AND GRAVEL PIT (MW-3)						
Lithium ^b		10.5	10		ug/l	SW846 6010C
DA62542-5 SWEET VALLEY PIT (MW-1)						
Fluoride		1.2	0.20		mg/l	SW846 9056A
Chloride		151	5.0		mg/l	SW846 9056A
Nitrogen, Nitrate		3.4	0.10		mg/l	SW846 9056A
Sulfate		188	5.0		mg/l	SW846 9056A
Nitrogen, Nitrate + Nitrite ^a		3.4	0.14		mg/l	SW846 9056A
Solids, Total Dissolved		709	10		mg/l	SM 2540C-2011

Summary of Hits

Job Number: DA62542
Account: J&T Consulting
Project: Material Sites WQ Testing
Collected: 03/01/24

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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DA62542-5F SWEET VALLEY PIT (MW-1)

Barium	62.0	10		ug/l	SW846 6010C
Boron	209	50		ug/l	SW846 6010C

DA62542-5FC SWEET VALLEY PIT (MW-1)

Lithium ^b	22.4	10		ug/l	SW846 6010C
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DA62542-6 SWEET VALLEY PIT (MW-3)

Fluoride	0.86	0.20		mg/l	SW846 9056A
Chloride	165	5.0		mg/l	SW846 9056A
Nitrogen, Nitrate	4.0	0.10		mg/l	SW846 9056A
Sulfate	193	5.0		mg/l	SW846 9056A
Nitrogen, Nitrate + Nitrite ^a	4.0	0.14		mg/l	SW846 9056A
Solids, Total Dissolved	723	10		mg/l	SM 2540C-2011

DA62542-6F SWEET VALLEY PIT (MW-3)

Barium	51.3	10		ug/l	SW846 6010C
Boron	191	50		ug/l	SW846 6010C

DA62542-6FC SWEET VALLEY PIT (MW-3)

Lithium ^b	15.1	10		ug/l	SW846 6010C
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(a) Calculated as: (Nitrogen, Nitrate) + (Nitrogen, Nitrite)

(b) Analysis performed at SGS Scott, LA.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	OGILVY RIVER FARM PIT (MW-1)	Date Sampled:	03/01/24
Lab Sample ID:	DA62542-1	Date Received:	03/01/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	Material Sites WQ Testing		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
9056A							
Fluoride	0.35	0.20	mg/l	2	03/01/24 20:49	MB	SW846 9056A
Chloride	167	5.0	mg/l	10	03/01/24 21:03	MB	SW846 9056A
Nitrogen, Nitrite ^a	< 0.20	0.20	mg/l	50	03/02/24 16:32	MB	SW846 9056A
Nitrogen, Nitrate	11.9	0.50	mg/l	50	03/02/24 16:32	MB	SW846 9056A
Sulfate	443	25	mg/l	50	03/02/24 16:32	MB	SW846 9056A
9056A NO2 + NO3O							
Nitrogen, Nitrate + Nitrite ^b	11.9	0.70	mg/l	1	03/02/24 16:32	MB	SW846 9056A
Solids, Total Dissolved	1380	10	mg/l	1	03/04/24 07:00	JW	SM 2540C-2011

(a) Elevated detection limit due to matrix interference.
(b) Calculated as: (Nitrogen, Nitrate) + (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID: OGILVY RIVER FARM PIT (MW-1)**Lab Sample ID:** DA62542-1F**Matrix:** AQ - Groundwater Filtered**Date Sampled:** 03/01/24**Date Received:** 03/01/24**Percent Solids:** n/a**Project:** Material Sites WQ Testing

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 100	100	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Antimony	< 30	30	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Arsenic	< 25	25	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Barium	59.0	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Beryllium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Boron	253	50	ug/l	1	03/12/24	03/19/24	CDL SW846 6010C ³	SW846 3010A ⁴
Cadmium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Chromium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Cobalt	< 5.0	5.0	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Copper	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Iron	< 70	70	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Lead	< 50	50	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Manganese	119	5.0	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Mercury	< 0.10	0.10	ug/l	1	03/13/24	03/13/24	CDL SW846 7470A ¹	SW846 7470A ⁵
Molybdenum	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Nickel	< 30	30	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Selenium	< 50	50	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Silver	< 30	30	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Thallium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Uranium	52.4	50	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Vanadium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Zinc	< 30	30	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴

(1) Instrument QC Batch: MA17745

(2) Instrument QC Batch: MA17751

(3) Instrument QC Batch: MA17763

(4) Prep QC Batch: MP39056

(5) Prep QC Batch: MP39057

RL = Reporting Limit

Report of Analysis

Client Sample ID:	OGILVY RIVER FARM PIT (MW-1)	Date Sampled:	03/01/24
Lab Sample ID:	DA62542-1FC	Date Received:	03/01/24
Matrix:	AQ - Groundwater Filtered	Percent Solids:	n/a
Project:	Material Sites WQ Testing		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium ^a	80.4	10	ug/l	1	03/07/24	03/08/24 ALA	SW846 6010C ¹	SW846 3010A ²

(1) Instrument QC Batch: L:MA27325
(2) Prep QC Batch: L:MP27849

(a) Analysis performed at SGS Scott, LA.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	OGILVY RIVER FARM PIT (MW-4)	Date Sampled:	03/01/24
Lab Sample ID:	DA62542-2	Date Received:	03/01/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	Material Sites WQ Testing		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
9056A							
Fluoride	0.21	0.20	mg/l	2	03/01/24 21:17	MB	SW846 9056A
Chloride	89.6	5.0	mg/l	10	03/01/24 21:31	MB	SW846 9056A
Nitrogen, Nitrite ^a	< 0.0080	0.0080	mg/l	2	03/01/24 21:17	MB	SW846 9056A
Nitrogen, Nitrate	11.7	0.50	mg/l	50	03/02/24 16:46	MB	SW846 9056A
Sulfate	454	25	mg/l	50	03/02/24 16:46	MB	SW846 9056A
9056A NO2 + NO3O							
Nitrogen, Nitrate + Nitrite ^b	11.7	0.51	mg/l	1	03/02/24 16:46	MB	SW846 9056A
Solids, Total Dissolved	1170	10	mg/l	1	03/04/24 07:00	JW	SM 2540C-2011

(a) Elevated detection limit due to matrix interference.
(b) Calculated as: (Nitrogen, Nitrate) + (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID: OGILVY RIVER FARM PIT (MW-4)**Lab Sample ID:** DA62542-2F**Matrix:** AQ - Groundwater Filtered**Date Sampled:** 03/01/24**Date Received:** 03/01/24**Percent Solids:** n/a**Project:** Material Sites WQ Testing

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 100	100	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Antimony	< 30	30	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Arsenic	< 25	25	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Barium	24.2	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Beryllium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Boron	260	50	ug/l	1	03/12/24	03/19/24	CDL SW846 6010C ³	SW846 3010A ⁴
Cadmium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Chromium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Cobalt	< 5.0	5.0	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Copper	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Iron	< 70	70	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Lead	< 50	50	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Manganese	47.4	5.0	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Mercury	< 0.10	0.10	ug/l	1	03/13/24	03/13/24	CDL SW846 7470A ¹	SW846 7470A ⁵
Molybdenum	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Nickel	< 30	30	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Selenium	< 50	50	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Silver	< 30	30	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Thallium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Uranium	52.7	50	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Vanadium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Zinc	< 30	30	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴

(1) Instrument QC Batch: MA17745

(2) Instrument QC Batch: MA17751

(3) Instrument QC Batch: MA17763

(4) Prep QC Batch: MP39056

(5) Prep QC Batch: MP39057

RL = Reporting Limit

Report of Analysis

Client Sample ID:	OGILVY RIVER FARM PIT (MW-4)	Date Sampled:	03/01/24
Lab Sample ID:	DA62542-2FC	Date Received:	03/01/24
Matrix:	AQ - Groundwater Filtered	Percent Solids:	n/a
Project:	Material Sites WQ Testing		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium ^a	36.7	10	ug/l	1	03/07/24	03/08/24 ALA	SW846 6010C ¹	SW846 3010A ²

(1) Instrument QC Batch: L:MA27325
(2) Prep QC Batch: L:MP27849

(a) Analysis performed at SGS Scott, LA.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BARNHARDT SAND AND GRAVEL PIT (MW-2)	Date Sampled:	03/01/24
Lab Sample ID:	DA62542-3	Date Received:	03/01/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	Material Sites WQ Testing		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
9056A							
Fluoride	0.80	0.20	mg/l	2	03/01/24 21:45	MB	SW846 9056A
Chloride	135	5.0	mg/l	10	03/01/24 22:28	MB	SW846 9056A
Nitrogen, Nitrite	0.11	0.040	mg/l	10	03/01/24 22:28	MB	SW846 9056A
Nitrogen, Nitrate	5.7	0.25	mg/l	25	03/02/24 17:00	MB	SW846 9056A
Sulfate	320	13	mg/l	25	03/02/24 17:00	MB	SW846 9056A
9056A NO2 + NO3O							
Nitrogen, Nitrate + Nitrite ^a	5.8	0.29	mg/l	1	03/02/24 17:00	MB	SW846 9056A
Solids, Total Dissolved	888	10	mg/l	1	03/04/24 07:00	JW	SM 2540C-2011

(a) Calculated as: (Nitrogen, Nitrate) + (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID: BARNHARDT SAND AND GRAVEL PIT (MW-2)**Lab Sample ID:** DA62542-3F**Matrix:** AQ - Groundwater Filtered**Date Sampled:** 03/01/24**Date Received:** 03/01/24**Percent Solids:** n/a**Project:** Material Sites WQ Testing

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 100	100	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Antimony	< 30	30	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Arsenic	< 25	25	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Barium	55.7	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Beryllium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Boron	206	50	ug/l	1	03/12/24	03/19/24	CDL SW846 6010C ³	SW846 3010A ⁴
Cadmium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Chromium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Cobalt	< 5.0	5.0	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Copper	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Iron	< 70	70	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Lead	< 50	50	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Manganese	322	5.0	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Mercury	< 0.10	0.10	ug/l	1	03/13/24	03/13/24	CDL SW846 7470A ¹	SW846 7470A ⁵
Molybdenum	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Nickel	< 30	30	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Selenium	< 50	50	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Silver	< 30	30	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Thallium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Uranium	< 50	50	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Vanadium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Zinc	< 30	30	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴

(1) Instrument QC Batch: MA17745

(2) Instrument QC Batch: MA17751

(3) Instrument QC Batch: MA17763

(4) Prep QC Batch: MP39056

(5) Prep QC Batch: MP39057

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BARNHARDT SAND AND GRAVEL PIT (MW-2)	Date Sampled:	03/01/24
Lab Sample ID:	DA62542-3FC	Date Received:	03/01/24
Matrix:	AQ - Groundwater Filtered	Percent Solids:	n/a
Project:	Material Sites WQ Testing		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium ^a	18.9	10	ug/l	1	03/07/24	03/08/24 ALA	SW846 6010C ¹	SW846 3010A ²

(1) Instrument QC Batch: L:MA27325
(2) Prep QC Batch: L:MP27849

(a) Analysis performed at SGS Scott, LA.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BARNHARDT SAND AND GRAVEL PIT (MW-3)	Date Sampled:	03/01/24
Lab Sample ID:	DA62542-4	Date Received:	03/01/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	Material Sites WQ Testing		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
9056A							
Fluoride	0.77	0.20	mg/l	2	03/01/24 22:42	MB	SW846 9056A
Chloride	77.6	5.0	mg/l	10	03/01/24 22:56	MB	SW846 9056A
Nitrogen, Nitrite ^a	< 0.040	0.040	mg/l	10	03/01/24 22:56	MB	SW846 9056A
Nitrogen, Nitrate	0.54	0.020	mg/l	2	03/01/24 22:42	MB	SW846 9056A
Sulfate	237	5.0	mg/l	10	03/01/24 22:56	MB	SW846 9056A
9056A NO2 + NO3O							
Nitrogen, Nitrate + Nitrite ^b	0.54	0.060	mg/l	1	03/01/24 22:56	MB	SW846 9056A
Solids, Total Dissolved	655	10	mg/l	1	03/04/24 07:00	JW	SM 2540C-2011

(a) Elevated detection limit due to matrix interference.
(b) Calculated as: (Nitrogen, Nitrate) + (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID: BARNHARDT SAND AND GRAVEL PIT (MW-3)**Lab Sample ID:** DA62542-4F**Date Sampled:** 03/01/24**Matrix:** AQ - Groundwater Filtered**Date Received:** 03/01/24**Percent Solids:** n/a**Project:** Material Sites WQ Testing**Dissolved Metals Analysis**

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 100	100	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Antimony	< 30	30	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Arsenic	< 25	25	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Barium	32.9	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Beryllium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Boron	202	50	ug/l	1	03/12/24	03/19/24	CDL SW846 6010C ³	SW846 3010A ⁴
Cadmium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Chromium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Cobalt	< 5.0	5.0	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Copper	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Iron	< 70	70	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Lead	< 50	50	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Manganese	582	5.0	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Mercury	< 0.10	0.10	ug/l	1	03/13/24	03/13/24	CDL SW846 7470A ¹	SW846 7470A ⁵
Molybdenum	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Nickel	< 30	30	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Selenium	< 50	50	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Silver	< 30	30	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Thallium ^a	< 15	15	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Uranium	< 50	50	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Vanadium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Zinc	< 30	30	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴

(1) Instrument QC Batch: MA17745

(2) Instrument QC Batch: MA17751

(3) Instrument QC Batch: MA17763

(4) Prep QC Batch: MP39056

(5) Prep QC Batch: MP39057

(a) Elevated reporting limit due to matrix interference.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BARNHARDT SAND AND GRAVEL PIT (MW-3)	Date Sampled:	03/01/24
Lab Sample ID:	DA62542-4FC	Date Received:	03/01/24
Matrix:	AQ - Groundwater Filtered	Percent Solids:	n/a
Project:	Material Sites WQ Testing		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium ^a	10.5	10	ug/l	1	03/07/24	03/08/24 ALA	SW846 6010C ¹	SW846 3010A ²

(1) Instrument QC Batch: L:MA27325
(2) Prep QC Batch: L:MP27849
(a) Analysis performed at SGS Scott, LA.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SWEET VALLEY PIT (MW-1)	Date Sampled:	03/01/24
Lab Sample ID:	DA62542-5	Date Received:	03/01/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	Material Sites WQ Testing		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
9056A							
Fluoride	1.2	0.20	mg/l	2	03/01/24 23:10	MB	SW846 9056A
Chloride	151	5.0	mg/l	10	03/01/24 23:24	MB	SW846 9056A
Nitrogen, Nitrite ^a	< 0.040	0.040	mg/l	10	03/01/24 23:24	MB	SW846 9056A
Nitrogen, Nitrate	3.4	0.10	mg/l	10	03/01/24 23:24	MB	SW846 9056A
Sulfate	188	5.0	mg/l	10	03/01/24 23:24	MB	SW846 9056A
9056A NO2 + NO3O							
Nitrogen, Nitrate + Nitrite ^b	3.4	0.14	mg/l	1	03/01/24 23:24	MB	SW846 9056A
Solids, Total Dissolved	709	10	mg/l	1	03/04/24 07:00	JW	SM 2540C-2011

(a) Elevated detection limit due to matrix interference.
 (b) Calculated as: (Nitrogen, Nitrate) + (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID: SWEET VALLEY PIT (MW-1)**Lab Sample ID:** DA62542-5F**Date Sampled:** 03/01/24**Matrix:** AQ - Groundwater Filtered**Date Received:** 03/01/24**Percent Solids:** n/a**Project:** Material Sites WQ Testing**Dissolved Metals Analysis**

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 100	100	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Antimony	< 30	30	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Arsenic	< 25	25	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Barium	62.0	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Beryllium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Boron	209	50	ug/l	1	03/12/24	03/19/24	CDL SW846 6010C ³	SW846 3010A ⁴
Cadmium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Chromium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Cobalt	< 5.0	5.0	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Copper	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Iron	< 70	70	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Lead	< 50	50	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Manganese	< 5.0	5.0	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Mercury	< 0.10	0.10	ug/l	1	03/13/24	03/13/24	CDL SW846 7470A ¹	SW846 7470A ⁵
Molybdenum	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Nickel	< 30	30	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Selenium	< 50	50	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Silver	< 30	30	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Thallium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Uranium	< 50	50	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Vanadium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Zinc	< 30	30	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴

(1) Instrument QC Batch: MA17745

(2) Instrument QC Batch: MA17751

(3) Instrument QC Batch: MA17763

(4) Prep QC Batch: MP39056

(5) Prep QC Batch: MP39057

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SWEET VALLEY PIT (MW-1)	Date Sampled:	03/01/24
Lab Sample ID:	DA62542-5FC	Date Received:	03/01/24
Matrix:	AQ - Groundwater Filtered	Percent Solids:	n/a
Project:	Material Sites WQ Testing		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium ^a	22.4	10	ug/l	1	03/07/24	03/08/24 ALA	SW846 6010C ¹	SW846 3010A ²

(1) Instrument QC Batch: L:MA27325
(2) Prep QC Batch: L:MP27849

(a) Analysis performed at SGS Scott, LA.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SWEET VALLEY PIT (MW-3)	Date Sampled:	03/01/24
Lab Sample ID:	DA62542-6	Date Received:	03/01/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	Material Sites WQ Testing		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
9056A							
Fluoride	0.86	0.20	mg/l	2	03/01/24 23:38	MB	SW846 9056A
Chloride	165	5.0	mg/l	10	03/01/24 23:52	MB	SW846 9056A
Nitrogen, Nitrite ^a	< 0.040	0.040	mg/l	10	03/01/24 23:52	MB	SW846 9056A
Nitrogen, Nitrate	4.0	0.10	mg/l	10	03/01/24 23:52	MB	SW846 9056A
Sulfate	193	5.0	mg/l	10	03/01/24 23:52	MB	SW846 9056A
9056A NO2 + NO3O							
Nitrogen, Nitrate + Nitrite ^b	4.0	0.14	mg/l	1	03/01/24 23:52	MB	SW846 9056A
Solids, Total Dissolved	723	10	mg/l	1	03/04/24 07:00	JW	SM 2540C-2011

(a) Elevated detection limit due to matrix interference.
(b) Calculated as: (Nitrogen, Nitrate) + (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID: SWEET VALLEY PIT (MW-3)**Lab Sample ID:** DA62542-6F**Matrix:** AQ - Groundwater Filtered**Date Sampled:** 03/01/24**Date Received:** 03/01/24**Percent Solids:** n/a**Project:** Material Sites WQ Testing**Dissolved Metals Analysis**

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 100	100	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Antimony	< 30	30	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Arsenic	< 25	25	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Barium	51.3	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Beryllium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Boron	191	50	ug/l	1	03/12/24	03/19/24	CDL SW846 6010C ³	SW846 3010A ⁴
Cadmium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Chromium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Cobalt	< 5.0	5.0	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Copper	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Iron	< 70	70	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Lead	< 50	50	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Manganese	< 5.0	5.0	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Mercury	< 0.10	0.10	ug/l	1	03/13/24	03/13/24	CDL SW846 7470A ¹	SW846 7470A ⁵
Molybdenum	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Nickel	< 30	30	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Selenium	< 50	50	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Silver	< 30	30	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Thallium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Uranium	< 50	50	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Vanadium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Zinc	< 30	30	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴

(1) Instrument QC Batch: MA17745

(2) Instrument QC Batch: MA17751

(3) Instrument QC Batch: MA17763

(4) Prep QC Batch: MP39056

(5) Prep QC Batch: MP39057

RL = Reporting Limit

Report of Analysis

Client Sample ID: SWEET VALLEY PIT (MW-3)
Lab Sample ID: DA62542-6FC
Matrix: AQ - Groundwater Filtered
Project: Material Sites WQ Testing

Date Sampled: 03/01/24
Date Received: 03/01/24
Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium ^a	15.1	10	ug/l	1	03/07/24	03/08/24 ALA	SW846 6010C ¹	SW846 3010A ²

(1) Instrument QC Batch: L:MA27325
(2) Prep QC Batch: L:MP27849

(a) Analysis performed at SGS Scott, LA.

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

SGS North America Inc. - Wheat Ridge
4036 Youngfield Street, Wheat Ridge, CO 80033
TEL: 303-425-6021 FAX: 303-425-6854
www.sgs.com/ehsusa

[illegible]

FORM: EHSA-QAC-0027-02-FORM-Wheat Ridge - COC: RV 12/29/22

DA62542: Chain of Custody

Page 1 of 2

SGS Sample Receipt Summary

Job Number: da62542

Client: J&T

Project: MATERIAL SITES

Date / Time Received: 3/1/2024 2:50:00 PM

Delivery Method: hd

Airbill #s: _____

Cooler Temps (Raw Measured) °C: Cooler 1: (4.9);

Cooler Temps (Corrected) °C: Cooler 1: (4.9);

Cooler Information

Y or N

- | | | |
|------------------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | ☒ | ☐ |
| 2. Custody Seals Intact: | ☒ | ☐ |
| 3. Temp criteria achieved: | ☒ | ☐ |
| 4. Cooler temp verification: | | IR Gun |
| 5. Cooler media: | | Ice (Bag) |

Trip Blank Information

Y or N N/A

- | | | | |
|---------------------------------|--------------------------|--------------------------|-------------------------------------|
| 1. Trip Blank present / cooler: | ☐ | ☐ | ☒ |
| 2. Trip Blank listed on COC: | ☐ | ☐ | ☒ |

W or S N/A

- | | | | |
|------------------------|--------------------------|--------------------------|--------------------------|
| 3. Type of TB Received | ☐ | ☐ | ☐ |
|------------------------|--------------------------|--------------------------|--------------------------|

Sample Information

Y or N N/A

- | | | | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Sample labels present on bottles: | ☒ | ☐ | |
| 2. Samples presented properly | ☒ | ☐ | |
| 3. Sufficient volume/containers recv'd for analysis | ☒ | ☐ | |
| 4. Condition of sample: | | Intact | |
| 5. Sample recv'd within HT | ☒ | ☐ | |
| 6. Dates/Times/IDs on COC match sample label | ☐ | ☐ | |
| 7. VOCs have headspace | ☐ | ☐ | ☒ |
| 8. Bottles received for unspecified tests | ☐ | ☒ | |
| 9. Compositing instructions clear | ☐ | ☐ | ☒ |
| 10. Voa Soil Kits/Jars received past 48hrs? | ☐ | ☐ | ☐ |
| 11. % Solids Jar Received? | ☐ | ☐ | ☐ |
| 12. Residual Chlorine Present? | ☐ | ☐ | ☐ |

Misc Information

Number of Encores: 25 Gram

5 Gram

Number of Lab Filtered Metals:

Test Strip Lot #: pH 0-3: _____

pH 10-12: _____ Other: (Specify) _____

Residual Chlorine Test Strip Lot # _____

Comments

SM001

Rev. Date 05/04/17

Technician: JEREMYD

Date: 3/1/2024 2:54:44 PM

Reviewer: _____

Date: _____

DA62542: Chain of Custody

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Metals Analysis

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QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA62542
Account: JTCOCOW - J&T Consulting
Project: Material Sites WQ Testing

QC Batch ID: MP39056
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/12/24

Metal	RL	IDL	MDL	MB raw	final
Aluminum	100	46	15	1.4	<100
Antimony	30	14	6.8	-9.9	<30
Arsenic	25	22	4.6	3.1	<25
Barium	10	.3	1.3	-0.10	<10
Beryllium	10	1	1.3	0.0	<10
Boron	50	3.3	6.3	-3.9	<50
Cadmium	10	1.9	1.3	-0.10	<10
Calcium	400	6.6	50		
Chromium	10	1.1	1.3	0.10	<10
Cobalt	5.0	2.7	.63	0.30	<5.0
Copper	10	4.6	1.3	-1.4	<10
Iron	70	8.9	12	0.30	<70
Lead	50	13	6.3	4.2	<50
Lithium	5.0	.6	1.3		
Magnesium	200	50	25		
Manganese	5.0	.5	.63	0.50	<5.0
Molybdenum	10	8.5	2.8	-0.10	<10
Nickel	30	6.2	3.8	0.40	<30
Phosphorus	100	91	16		
Potassium	1000	84	130		
Selenium	50	30	22	20.5	<50
Silicon	200	41	150		
Silver	30	.6	3.8	-0.10	<30
Sodium	400	13	50		
Strontium	5.0	.1	.63		
Thallium	10	17	4.3	2.1	<10
Tin	60	41	51		
Titanium	10	.5	1.3		
Uranium	50	3.9	8.5	-5.4	<50
Vanadium	10	.9	1.3	-0.10	<10
Zinc	30	9	3.8	9.9	<30

Associated samples MP39056: DA62542-1F, DA62542-2F, DA62542-3F, DA62542-4F, DA62542-5F, DA62542-6F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA62542
Account: JTCOCOW - J&T Consulting
Project: Material Sites WQ Testing

QC Batch ID: MP39056
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/12/24

Metal	RL	IDL	MDL	MB raw	final
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(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA62542
Account: JTCOCOW - J&T Consulting
Project: Material Sites WQ Testing

QC Batch ID: MP39056
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/12/24

Metal	DA61679-1F Original MS		SpikeLot ICPALL5	% Rec	QC Limits
Aluminum	0.00	1010	1000	101.0	75-125
Antimony	0.0	98.1	100	98.1	75-125
Arsenic	0.0	211	200	105.5	75-125
Barium	0.0	414	400	103.5	75-125
Beryllium	0.0	105	100	105.0	75-125
Boron	0.0	409	400	102.5	75-125
Cadmium	0.0	102	100	102.0	75-125
Calcium					
Chromium	0.0	105	100	105.0	75-125
Cobalt	0.0	104	100	104.0	75-125
Copper	0.0	105	100	105.0	75-125
Iron	15.6	1040	1000	102.4	75-125
Lead	0.0	201	200	100.5	75-125
Lithium					
Magnesium					
Manganese	0.80	210	200	104.5	75-125
Molybdenum	0.0	102	100	102.0	75-125
Nickel	0.0	101	100	101.0	75-125
Phosphorus					
Potassium					
Selenium	0.0	215	200	107.5	75-125
Silicon					
Silver	0.0	41.6	40	104.0	75-125
Sodium	anr				
Strontium					
Thallium	0.0	199	200	99.5	75-125
Tin					
Titanium					
Uranium	0.0	209	200	104.5	75-125
Vanadium	0.0	104	100	104.0	75-125
Zinc	15.8	125	100	109.2	75-125

Associated samples MP39056: DA62542-1F, DA62542-2F, DA62542-3F, DA62542-4F, DA62542-5F, DA62542-6F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA62542
Account: JTCOCOW - J&T Consulting
Project: Material Sites WQ Testing

QC Batch ID: MP39056
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/12/24

Metal	DA61679-1F Original MS	SpikeLot ICPALL5	% Rec	QC Limits
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(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA62542
Account: JTCOCOW - J&T Consulting
Project: Material Sites WQ Testing

QC Batch ID: MP39056
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/12/24

Metal	DA61679-1F Original	MSD	SpikeLot ICPALL5	% Rec	MSD RPD	QC Limit
Aluminum	0.00	1020	1000	102.0	1.0	20
Antimony	0.0	106	100	106.0	7.7	20
Arsenic	0.0	218	200	109.0	3.3	20
Barium	0.0	415	400	103.8	0.2	20
Beryllium	0.0	106	100	106.0	0.9	20
Boron	0.0	413	400	103.5	1.0	20
Cadmium	0.0	104	100	104.0	1.9	20
Calcium						
Chromium	0.0	107	100	107.0	1.9	20
Cobalt	0.0	106	100	106.0	1.9	20
Copper	0.0	107	100	107.0	1.9	20
Iron	15.6	1060	1000	104.4	1.9	20
Lead	0.0	206	200	103.0	2.5	20
Lithium						
Magnesium						
Manganese	0.80	211	200	105.0	0.5	20
Molybdenum	0.0	107	100	107.0	4.8	20
Nickel	0.0	101	100	101.0	0.0	20
Phosphorus						
Potassium						
Selenium	0.0	218	200	109.0	1.4	20
Silicon						
Silver	0.0	41.8	40	104.5	0.5	20
Sodium	anr					
Strontium						
Thallium	0.0	195	200	97.5	2.0	20
Tin						
Titanium						
Uranium	0.0	218	200	109.0	4.2	20
Vanadium	0.0	106	100	106.0	1.9	20
Zinc	15.8	111	100	95.2	11.9	20

Associated samples MP39056: DA62542-1F, DA62542-2F, DA62542-3F, DA62542-4F, DA62542-5F, DA62542-6F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA62542
Account: JTCOCOW - J&T Consulting
Project: Material Sites WQ Testing

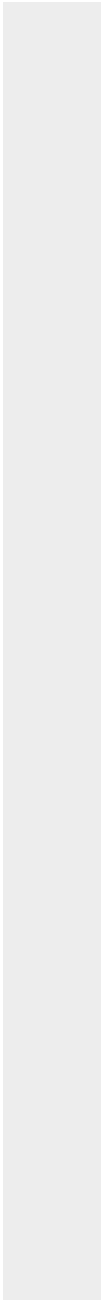
QC Batch ID: MP39056
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/12/24

Metal	DA61679-1F Original MSD	SpikeLot ICPALL5 % Rec	MSD RPD	QC Limit
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(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested



5.1.2
5

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA62542
Account: JTCOCOW - J&T Consulting
Project: Material Sites WQ Testing

QC Batch ID: MP39056
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/12/24

Metal	BSP Result	SpikeLot ICPALL5	% Rec	QC Limits
Aluminum	995	1000	99.5	80-120
Antimony	102	100	102.0	80-120
Arsenic	220	200	110.0	80-120
Barium	415	400	103.8	80-120
Beryllium	106	100	106.0	80-120
Boron	407	400	102.0	80-120
Cadmium	104	100	104.0	80-120
Calcium				
Chromium	105	100	105.0	80-120
Cobalt	106	100	106.0	80-120
Copper	106	100	106.0	80-120
Iron	1040	1000	104.0	80-120
Lead	209	200	104.5	80-120
Lithium				
Magnesium				
Manganese	213	200	106.5	80-120
Molybdenum	104	100	104.0	80-120
Nickel	101	100	101.0	80-120
Phosphorus				
Potassium				
Selenium	219	200	109.5	80-120
Silicon				
Silver	41.5	40	103.8	80-120
Sodium	anr			
Strontium				
Thallium	203	200	101.5	80-120
Tin				
Titanium				
Uranium	209	200	104.5	80-120
Vanadium	106	100	106.0	80-120
Zinc	109	100	109.0	80-120

Associated samples MP39056: DA62542-1F, DA62542-2F, DA62542-3F, DA62542-4F, DA62542-5F, DA62542-6F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA62542
Account: JTCOCOW - J&T Consulting
Project: Material Sites WQ Testing

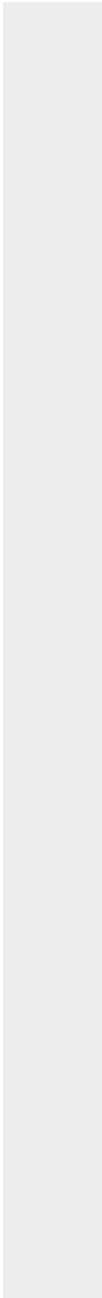
QC Batch ID: MP39056
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/12/24

Metal	BSP Result	SpikeLot ICPALL5	% Rec	QC Limits
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(anr) Analyte not requested



5.1.3
5

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA62542
Account: JTCOCOW - J&T Consulting
Project: Material Sites WQ Testing

QC Batch ID: MP39056
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/12/24

Metal	DA61679-1F Original	SDL 1:5	%DIF	QC Limits
Aluminum	0.00	0.00	NC	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	0.00	0.00	NC	0-10
Barium	0.00	0.00	NC	0-10
Beryllium	0.00	0.00	NC	0-10
Boron	0.00	0.00	NC	0-10
Cadmium	0.00	0.00	NC	0-10
Calcium				
Chromium	0.00	0.00	NC	0-10
Cobalt	0.00	0.00	NC	0-10
Copper	0.00	0.00	NC	0-10
Iron	15.6	0.00	23.7 (a)	0-10
Lead	0.00	0.00	NC	0-10
Lithium				
Magnesium				
Manganese	0.800	0.00	100.0(a)	0-10
Molybdenum	0.00	0.00	NC	0-10
Nickel	0.00	0.00	NC	0-10
Phosphorus				
Potassium				
Selenium	0.00	0.00	NC	0-10
Silicon				
Silver	0.00	0.00	NC	0-10
Sodium	anr			
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Uranium	0.00	0.00	NC	0-10
Vanadium	0.00	0.00	NC	0-10
Zinc	15.8	0.00	10.1 (a)	0-10

Associated samples MP39056: DA62542-1F, DA62542-2F, DA62542-3F, DA62542-4F, DA62542-5F, DA62542-6F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA62542
Account: JTCOCOW - J&T Consulting
Project: Material Sites WQ Testing

QC Batch ID: MP39056
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/12/24

Metal	DA61679-1F Original SDL 1:5	%DIF	QC Limits
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(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

5.1.4
5

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA62542
Account: JTCOCOW - J&T Consulting
Project: Material Sites WQ Testing

QC Batch ID: MP39057
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 03/13/24

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.10	.015	.05	0.0087	<0.10

Associated samples MP39057: DA62542-1F, DA62542-2F, DA62542-3F, DA62542-4F, DA62542-5F, DA62542-6F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA62542
 Account: JTCOCOW - J&T Consulting
 Project: Material Sites WQ Testing

QC Batch ID: MP39057
 Matrix Type: AQUEOUS

Methods: SW846 7470A
 Units: ug/l

Prep Date: 03/13/24

Metal	DA62542-4F		SpikeLot		QC
	Original	MS	HGWSR1	% Rec	Limits
Mercury	0.0	1.1	1	110.0	75-125

Associated samples MP39057: DA62542-1F, DA62542-2F, DA62542-3F, DA62542-4F, DA62542-5F, DA62542-6F

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA62542
 Account: JTCOCOW - J&T Consulting
 Project: Material Sites WQ Testing

QC Batch ID: MP39057
 Matrix Type: AQUEOUS

Methods: SW846 7470A
 Units: ug/l

Prep Date: 03/13/24

Metal	DA62542-4F Original	MSD	SpikeLot HGWSR1	% Rec	MSD RPD	QC Limit
Mercury	0.0	1.1	1	110.0	0.0	20

Associated samples MP39057: DA62542-1F, DA62542-2F, DA62542-3F, DA62542-4F, DA62542-5F, DA62542-6F

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA62542
Account: JTCOCOW - J&T Consulting
Project: Material Sites WQ Testing

QC Batch ID: MP39057
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 03/13/24

Metal	BSP Result	SpikeLot HGWSR1	% Rec	QC Limits
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Mercury 1.0 1 100.0 80-120

Associated samples MP39057: DA62542-1F, DA62542-2F, DA62542-3F, DA62542-4F, DA62542-5F, DA62542-6F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

5.2.3
5

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA62542
Account: JTCOCOW - J&T Consulting
Project: Material Sites WQ Testing

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Bromide	GP36124/GN62778	0.050	0.0	mg/l	0.5	0.474	94.8	90-110%
Chloride	GP36124/GN62778	0.50	0.0	mg/l	5	4.71	94.2	90-110%
Fluoride	GP36124/GN62778	0.10	0.0	mg/l	1	0.951	95.1	90-110%
Nitrogen, Nitrate	GP36124/GN62778	0.010	0.0	mg/l	0.1	0.0923	92.3	90-110%
Nitrogen, Nitrate	GP36126/GN62780	0.010	0.0	mg/l	0.1	0.0985	98.5	90-110%
Nitrogen, Nitrite	GP36124/GN62778	0.0040	0.0	mg/l	0.05	0.0508	101.6	90-110%
Nitrogen, Nitrite	GP36126/GN62780	0.0040	0.0	mg/l	0.05	0.0525	105.0	90-110%
Solids, Total Dissolved	GN62770	10	0.0	mg/l	250	241	96.4	90-110%
Sulfate	GP36124/GN62778	0.50	0.0	mg/l	5	4.75	95.0	90-110%

Associated Samples:

Batch GN62770: DA62542-1, DA62542-2, DA62542-3, DA62542-4, DA62542-5, DA62542-6

Batch GP36124: DA62542-1, DA62542-2, DA62542-3, DA62542-4, DA62542-5, DA62542-6

Batch GP36126: DA62542-1, DA62542-2, DA62542-3

(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA62542
Account: JTCOCOW - J&T Consulting
Project: Material Sites WQ Testing

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Solids, Total Dissolved	GN62770	DA62542-6	mg/l	723	748	3.4	0-5.44%

Associated Samples:

Batch GN62770: DA62542-1, DA62542-2, DA62542-3, DA62542-4, DA62542-5, DA62542-6
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA62542
Account: JTCOCOW - J&T Consulting
Project: Material Sites WQ Testing

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Bromide	GP36124/GN62778	DA62422-1	mg/l	0.0	12.5	12.0	96.0	80-120%
Chloride	GP36124/GN62778	DA62422-1	mg/l	302	125	416	91.2	80-120%
Fluoride	GP36124/GN62778	DA62422-1	mg/l	0.0	25	24.5	98.0	80-120%
Nitrogen, Nitrate	GP36124/GN62778	DA62422-1	mg/l	1.7	2.5	3.9	88.0	80-120%
Nitrogen, Nitrate	GP36126/GN62780	DA62560-6	mg/l	2.4	2.5	4.8	96.0	80-120%
Nitrogen, Nitrite	GP36124/GN62778	DA62422-1	mg/l	0.0	1.25	1.0	80.0	80-120%
Nitrogen, Nitrite	GP36126/GN62780	DA62560-6	mg/l	0.25	1.25	1.4	92.0	80-120%
Sulfate	GP36124/GN62778	DA62422-1	mg/l	287	125	405	94.4	80-120%

Associated Samples:

Batch GP36124: DA62542-1, DA62542-2, DA62542-3, DA62542-4, DA62542-5, DA62542-6

Batch GP36126: DA62542-1, DA62542-2, DA62542-3

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA62542
Account: JTCOCOW - J&T Consulting
Project: Material Sites WQ Testing

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Bromide	GP36124/GN62778	DA62422-1	mg/l	0.0	12.5	12.1	0.8	20%
Chloride	GP36124/GN62778	DA62422-1	mg/l	302	125	418	0.5	20%
Fluoride	GP36124/GN62778	DA62422-1	mg/l	0.0	25	24.8	1.2	20%
Nitrogen, Nitrate	GP36124/GN62778	DA62422-1	mg/l	1.7	2.5	4.0	2.5	20%
Nitrogen, Nitrate	GP36126/GN62780	DA62560-6	mg/l	2.4	2.5	4.7	2.1	20%
Nitrogen, Nitrite	GP36124/GN62778	DA62422-1	mg/l	0.0	1.25	1.0	0.0	20%
Nitrogen, Nitrite	GP36126/GN62780	DA62560-6	mg/l	0.25	1.25	1.4	0.0	20%
Sulfate	GP36124/GN62778	DA62422-1	mg/l	287	125	407	0.5	20%

Associated Samples:

Batch GP36124: DA62542-1, DA62542-2, DA62542-3, DA62542-4, DA62542-5, DA62542-6

Batch GP36126: DA62542-1, DA62542-2, DA62542-3

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

Misc. Forms

Custody Documents and Other Forms

(SGS Scott, LA)

Includes the following where applicable:

- Chain of Custody

SGS North America Inc. - Wheat Ridge
4036 Youngfield Street, Wheat Ridge, CO 80033
TEL: 303-425-6021 FAX: 303-425-6854
www.sgs.com/ehsusa

Client / Reporting Information		Project Information										Requested Analysis (see TEST CODE sheet)										Matrix Codes
Company Name: SGS North America Inc.		Project Name: Material Sites WQ Testing										FED-EX Tracking # Bottle Order Control #										DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED - Sediment OI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank
Street Address: 4036 Youngfield Street		Street:																				
City State Zip: Wheat Ridge, CO 80031		City State: Wheat Ridge, CO 80031																				
Project Contact E-mail: Kelly.Blanchard@sgs.com		Project #																				
Phone # 303-425-6021		Client Purchase Order #																				
Sampler(s) Name(s) TT		Project Manager										Street Address										LAB USE ONLY
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DA62542: Chain of Custody

Page 1 of 3

SGS Scott, LA

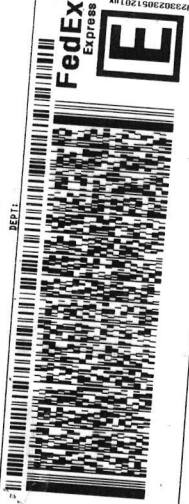
ORIGIN ID: DENA (303) 425-6021
SHIP DATE: 04MAR24
SHIP TIME: 10:30A
SHIP WEIGHT: 50.00 LB TAN
SHIP CODE: 0659493/CAFE3755

BILL SENDER

TO SAMPLE RECEIVING
ACCUTEST LOUISIANA
500 AMBASSADOR CAFFERY DRIVE

SCOTT LA 70583

INVT
REF:



TRK# 6466 4897 7174
0201

TUE - 05 MAR 10:30A
PRIORITY OVERNIGHT

XH LFTA

70583
LA-US LFT



DA62542: Chain of Custody
Page 2 of 3

SGS Sample Receipt Summary

Job Number: da62542

Client: SGS NORTH AMERICA

Project: MATERIALS SITE WQ TESTING

Date / Time Received: 3/5/2024 9:15:00 AM

Delivery Method: FEDEX

Airbill #'s: 646648977174

Cooler Temps (Raw Measured) °C: Cooler 1: (3.6);

Cooler Temps (Corrected) °C: Cooler 1: (3.6);

Cooler Security

Y or N

Y or N

- | | | | | | |
|---------------------------|-------------------------------------|--------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | ☒ | ☐ | 3. COC Present: | ☒ | ☐ |
| 2. Custody Seals Intact: | ☒ | ☐ | 4. Smpl Dates/Time OK | ☒ | ☐ |

Cooler Temperature

Y or N

- | | | |
|------------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | ☒ | ☐ |
| 2. Cooler temp verification: | | |
| 3. Cooler media: | Ice (direct contact) | |
| 4. No. Coolers: | 1 | |

Quality Control Preservation

Y or N

N/A

- | | | | |
|---------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 1. Trip Blank present / cooler: | ☐ | ☐ | ☒ |
| 2. Trip Blank listed on COC: | ☐ | ☐ | ☒ |
| 3. Samples preserved properly: | ☒ | ☐ | |
| 4. VOCs headspace free: | ☐ | ☐ | ☒ |

Sample Integrity - Documentation

Y or N

- | | | |
|--|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles: | ☒ | ☐ |
| 2. Container labeling complete: | ☒ | ☐ |
| 3. Sample container label / COC agree: | ☒ | ☐ |

Sample Integrity - Condition

Y or N

- | | | |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT: | ☒ | ☐ |
| 2. All containers accounted for: | ☒ | ☐ |
| 3. Condition of sample: | Intact | |

Sample Integrity - Instructions

Y or N

N/A

- | | | | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear: | ☒ | ☐ | |
| 2. Bottles received for unspecified tests | ☐ | ☒ | |
| 3. Sufficient volume recvd for analysis: | ☒ | ☐ | |
| 4. Compositing instructions clear: | ☐ | ☐ | ☒ |
| 5. Filtering instructions clear: | ☐ | ☐ | ☒ |

Test Strip Lot #s: pH 1-12: pH 12+: Other: (Specify)

Comments NP metals (6-250ml bottles) expired upon receipt. Samples taken 3/1/2024 between 10:13-13:10

SM089-03
Rev. Date 12/7/17

DA62542: Chain of Custody

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Metals Analysis

QC Data Summaries

(SGS Scott, LA)

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA62542
Account: ALMS - SGS Wheat Ridge, CO
Project: JTCOCOW: Material Sites WQ Testing

QC Batch ID: MP27849
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/07/24

Metal	RL	IDL	MDL	MB raw	final
Aluminum	100	13	25		
Antimony	6.0	2	3.6		
Arsenic	10	2.4	8.6		
Barium	10	.36	1.7		
Beryllium	4.0	.06	.9		
Boron	100	.72	42		
Cadmium	5.0	.14	.9		
Calcium	100	3.8	32		
Chromium	10	.39	1.2		
Cobalt	10	.26	1.1		
Copper	10	.77	2.8		
Iron	100	2.9	18		
Lead	10	1.4	3.7		
Lithium	10	2.4	4.3	1.5	<10
Magnesium	100	22	40		
Manganese	10	.11	.9		
Molybdenum	10	.16	1.7		
Nickel	10	.29	1.5		
Potassium	500	50	120		
Selenium	10	1.5	4.3		
Silver	10	.57	3.7		
Sodium	500	20	120		
Strontium	10	.1	3		
Thallium	10	1.5	4.6		
Tin	10	.74	1.7		
Titanium	10	.41	.8		
Vanadium	10	.39	1.5		
Zinc	20	.18	12		

Associated samples MP27849: DA62542-1FC, DA62542-2FC, DA62542-3FC, DA62542-4FC, DA62542-5FC, DA62542-6FC

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA62542
 Account: ALMS - SGS Wheat Ridge, CO
 Project: JTCOCOW: Material Sites WQ Testing

QC Batch ID: MP27849
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/07/24

Metal	LA98821-13 Original MS	SpikeLot ICPSPIKE1% Rec		QC Limits
Aluminum				
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium				
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt	anr			
Copper	anr			
Iron	anr			
Lead	anr			
Lithium	0.0	1740	2000	87.0 75-125
Magnesium				
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin	anr			
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP27849: DA62542-1FC, DA62542-2FC, DA62542-3FC, DA62542-4FC, DA62542-5FC, DA62542-6FC

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA62542
 Account: ALMS - SGS Wheat Ridge, CO
 Project: JTCOCOW: Material Sites WQ Testing

QC Batch ID: MP27849
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/07/24

Metal	LA98821-13 Original MSD	SpikeLot ICPSPIKE1% Rec	MSD RPD	QC Limit
Aluminum				
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium				
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt	anr			
Copper	anr			
Iron	anr			
Lead	anr			
Lithium	0.0	1740	2000	87.0
Magnesium				
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin	anr			
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP27849: DA62542-1FC, DA62542-2FC, DA62542-3FC, DA62542-4FC, DA62542-5FC, DA62542-6FC

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

Login Number: DA62542
Account: ALMS - SGS Wheat Ridge, CO
Project: JTCOCOW: Material Sites WQ Testing

Prep Date: 03/07/24

Metal	BSP Result	Spikelot ICPSPIKE1% Rec	QC Limits
Aluminum			
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium			
Boron			
Cadmium	anr		
Calcium			
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	anr		
Lithium	915	1000	91.5
Magnesium			80-120
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium			
Selenium	anr		
Silver	anr		
Sodium			
Strontium			
Thallium			
Tin	anr		
Titanium			
Vanadium			
Zinc	anr		

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA62542
 Account: ALMS - SGS Wheat Ridge, CO
 Project: JTCOCOW: Material Sites WQ Testing

QC Batch ID: MP27849
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/07/24

Metal	LA98821-13 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium				
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt	anr			
Copper	anr			
Iron	anr			
Lead	anr			
Lithium	0.00	13.2	NC	0-10
Magnesium				
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin	anr			
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP27849: DA62542-1FC, DA62542-2FC, DA62542-3FC, DA62542-4FC, DA62542-5FC, DA62542-6FC

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

8.1.4
8

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Stewart Environmental

Bernardt S&G

SGS Job Number: DA65416

Sampling Dates: 06/28/24 - 07/01/24

Report to:

Stewart Environmental Consultants
3801 Automation Way Suite 200
Fort Collins, CO 80525
dave.stewart@stewartenv.com

ATTN: Dave Stewart

Total number of pages in report: 48



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.



Eric Hoffman

Client Service contact: Parna Payandeh 303-425-6021

Certifications: CO (CO00049), ND (R-027), UT (NELAP CO00049), LA (LA150028), TX (T104704511), WY (8TMS-L) HI (CO00049), NJ (CO011), NV (CO00049), AK (CO00049), CA (3076), and NC (08701)

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Test results relate only to samples analyzed.

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Sample Summary

Stewart Environmental
Bernardt S&G

Job No: DA65416

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
DA65416-1	06/28/24	11:30	JS	07/02/24	AQ	Water	MW-1
DA65416-1F	06/28/24	11:30	JS	07/02/24	AQ	Water Filtered	MW-1
DA65416-2	07/01/24	12:00	JS	07/02/24	AQ	Water	MW-2
DA65416-2F	07/01/24	12:00	JS	07/02/24	AQ	Water Filtered	MW-2
DA65416-3	06/28/24	13:00	JS	07/02/24	AQ	Water	MW-3
DA65416-3F	06/28/24	13:00	JS	07/02/24	AQ	Water Filtered	MW-3
DA65416-4	07/01/24	11:00	JS	07/02/24	AQ	Water	MW-4
DA65416-4F	07/01/24	11:00	JS	07/02/24	AQ	Water Filtered	MW-4

Summary of Hits

Page 1 of 3

Job Number: DA65416
Account: Stewart Environmental
Project: Bernardt S&G
Collected: 06/28/24 thru 07/01/24

2

Lab Sample ID	Client Sample ID	Result/ Analyte Qual	RL	MDL	Units	Method
DA65416-1	MW-1					
Fluoride		1.0	0.20		mg/l	EPA 300.0
Chloride		82.1	13		mg/l	EPA 300.0
Sulfate		467	13		mg/l	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a		0.74	0.10		mg/l	EPA 353.2/LACHAT
Nitrogen, Total Kjeldahl		0.56	0.20		mg/l	EPA 351.2
Solids, Total Dissolved		951	10		mg/l	SM 2540C-2011
DA65416-1F	MW-1					
Arsenic		0.35	0.20		ug/l	EPA 200.8
Barium		43.9	2.0		ug/l	EPA 200.8
Boron		204	40		ug/l	EPA 200.8
Cobalt		1.7	0.20		ug/l	EPA 200.8
Lithium		12.3	10		ug/l	EPA 200.7
Manganese		856	1.0		ug/l	EPA 200.8
Molybdenum		6.8	1.0		ug/l	EPA 200.8
Nickel		2.8	2.0		ug/l	EPA 200.8
Selenium		3.5	0.40		ug/l	EPA 200.8
Uranium		32.3	0.20		ug/l	EPA 200.8
DA65416-2	MW-2					
Fluoride		0.94	0.20		mg/l	EPA 300.0
Chloride		136	13		mg/l	EPA 300.0
Sulfate		274	13		mg/l	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a		2.0	0.10		mg/l	EPA 353.2/LACHAT
Solids, Total Dissolved		825	10		mg/l	SM 2540C-2011
DA65416-2F	MW-2					
Arsenic		0.37	0.20		ug/l	EPA 200.8
Barium		45.4	2.0		ug/l	EPA 200.8
Boron		215	40		ug/l	EPA 200.8
Cobalt		2.0	0.20		ug/l	EPA 200.8
Lithium		21.1	10		ug/l	EPA 200.7
Manganese		451	1.0		ug/l	EPA 200.8
Molybdenum		5.1	1.0		ug/l	EPA 200.8
Nickel		3.3	2.0		ug/l	EPA 200.8
Selenium		2.4	0.40		ug/l	EPA 200.8
Uranium		25.8	0.20		ug/l	EPA 200.8

Summary of Hits

Job Number: DA65416
Account: Stewart Environmental
Project: Bernardt S&G
Collected: 06/28/24 thru 07/01/24

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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DA65416-3 MW-3

Fluoride	0.82	0.20		mg/l	EPA 300.0
Chloride	75.1	13		mg/l	EPA 300.0
Sulfate	258	13		mg/l	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	0.56	0.10		mg/l	EPA 353.2/LACHAT
Solids, Total Dissolved	657	10		mg/l	SM 2540C-2011

DA65416-3F MW-3

Arsenic	0.20	0.20		ug/l	EPA 200.8
Barium	28.7	2.0		ug/l	EPA 200.8
Boron	211	40		ug/l	EPA 200.8
Cobalt	3.5	0.20		ug/l	EPA 200.8
Lithium	10.5	10		ug/l	EPA 200.7
Manganese	890	1.0		ug/l	EPA 200.8
Molybdenum	7.9	1.0		ug/l	EPA 200.8
Nickel	3.7	2.0		ug/l	EPA 200.8
Selenium	1.1	0.40		ug/l	EPA 200.8
Uranium	29.0	0.20		ug/l	EPA 200.8

DA65416-4 MW-4

Fluoride	0.76	0.20		mg/l	EPA 300.0
Chloride	151	13		mg/l	EPA 300.0
Sulfate	233	13		mg/l	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	1.7	0.10		mg/l	EPA 353.2/LACHAT
Nitrogen, Total Kjeldahl	0.34	0.20		mg/l	EPA 351.2
Solids, Total Dissolved	772	10		mg/l	SM 2540C-2011

DA65416-4F MW-4

Antimony	0.51	0.40		ug/l	EPA 200.8
Arsenic	1.3	0.20		ug/l	EPA 200.8
Barium	46.8	2.0		ug/l	EPA 200.8
Boron	212	40		ug/l	EPA 200.8
Cadmium	0.11	0.10		ug/l	EPA 200.8
Cobalt	2.1	0.20		ug/l	EPA 200.8
Copper	2.9	2.0		ug/l	EPA 200.8
Iron	26.6	20		ug/l	EPA 200.8
Lithium	27.0	10		ug/l	EPA 200.7
Manganese	296	1.0		ug/l	EPA 200.8
Molybdenum	5.1	1.0		ug/l	EPA 200.8
Nickel	2.6	2.0		ug/l	EPA 200.8
Selenium	2.1	0.40		ug/l	EPA 200.8

Summary of Hits

Job Number: DA65416
Account: Stewart Environmental
Project: Bernardt S&G
Collected: 06/28/24 thru 07/01/24

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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Uranium		14.3	0.20		ug/l	EPA 200.8
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(a) Analysis performed at SGS Dayton, NJ.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW-1	Date Sampled:	06/28/24
Lab Sample ID:	DA65416-1	Date Received:	07/02/24
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Bernardt S&G		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	1.0	0.20	mg/l	2	07/03/24 11:19	CS	EPA 300.0
Chloride	82.1	13	mg/l	25	07/03/24 11:30	CS	EPA 300.0
Sulfate	467	13	mg/l	25	07/03/24 11:30	CS	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	0.74	0.10	mg/l	1	07/17/24 15:31	ANJ	EPA 353.2/LACHAT
Nitrogen, Total Kjeldahl	0.56	0.20	mg/l	1	07/05/24 16:21	KH	EPA 351.2
Solids, Total Dissolved	951	10	mg/l	1	07/05/24 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-1	Date Sampled:	06/28/24
Lab Sample ID:	DA65416-1F	Date Received:	07/02/24
Matrix:	AQ - Water Filtered	Percent Solids:	n/a
Project:	Bernardt S&G		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method	
Aluminum	< 50	50	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Antimony	< 0.40	0.40	ug/l	1	07/10/24	07/15/24	DU	EPA 200.8 ³	EPA 200.8 ⁶
Arsenic	0.35	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Barium	43.9	2.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Beryllium	< 0.20	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Boron	204	40	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Cadmium	< 0.10	0.10	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Chromium	< 2.0	2.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Cobalt	1.7	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Copper	< 2.0	2.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Iron	< 20	20	ug/l	1	07/10/24	07/15/24	DU	EPA 200.8 ³	EPA 200.8 ⁶
Lead	< 0.50	0.50	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Lithium	12.3	10	ug/l	1	07/10/24	07/16/24	CDL	EPA 200.7 ⁴	EPA 200.7 ⁷
Manganese	856	1.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Mercury	< 0.10	0.10	ug/l	1	07/09/24	07/09/24	KM	EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	6.8	1.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Nickel	2.8	2.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Selenium	3.5	0.40	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Silver	< 0.10	0.10	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Thallium	< 0.20	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Uranium	32.3	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Vanadium	< 1.0	1.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Zinc	< 10	10	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶

- (1) Instrument QC Batch: MA18171
- (2) Instrument QC Batch: MA18196
- (3) Instrument QC Batch: MA18197
- (4) Instrument QC Batch: MA18208
- (5) Prep QC Batch: MP39684
- (6) Prep QC Batch: MP39699
- (7) Prep QC Batch: MP39746

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-2	Date Sampled:	07/01/24
Lab Sample ID:	DA65416-2	Date Received:	07/02/24
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Bernardt S&G		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	0.94	0.20	mg/l	2	07/03/24 10:55	CS	EPA 300.0
Chloride	136	13	mg/l	25	07/03/24 11:03	CS	EPA 300.0
Sulfate	274	13	mg/l	25	07/03/24 11:03	CS	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	2.0	0.10	mg/l	1	07/17/24 15:33	ANJ	EPA 353.2/LACHAT
Nitrogen, Total Kjeldahl	< 0.20	0.20	mg/l	1	07/05/24 16:21	KH	EPA 351.2
Solids, Total Dissolved	825	10	mg/l	1	07/05/24 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-2	Date Sampled:	07/01/24
Lab Sample ID:	DA65416-2F	Date Received:	07/02/24
Matrix:	AQ - Water Filtered	Percent Solids:	n/a
Project:	Bernardt S&G		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method	
Aluminum ^a	< 250	250	ug/l	5	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Antimony	< 0.40	0.40	ug/l	1	07/10/24	07/15/24	DU	EPA 200.8 ³	EPA 200.8 ⁶
Arsenic	0.37	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Barium	45.4	2.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Beryllium	< 0.20	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Boron	215	40	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Cadmium	< 0.10	0.10	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Chromium ^a	< 10	10	ug/l	5	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Cobalt	2.0	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Copper	< 2.0	2.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Iron	< 20	20	ug/l	1	07/10/24	07/15/24	DU	EPA 200.8 ³	EPA 200.8 ⁶
Lead	< 0.50	0.50	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Lithium	21.1	10	ug/l	1	07/10/24	07/16/24	CDL	EPA 200.7 ⁴	EPA 200.7 ⁷
Manganese	451	1.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Mercury	< 0.10	0.10	ug/l	1	07/09/24	07/09/24	KM	EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	5.1	1.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Nickel	3.3	2.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Selenium	2.4	0.40	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Silver	< 0.10	0.10	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Thallium	< 0.20	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Uranium	25.8	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Vanadium ^a	< 5.0	5.0	ug/l	5	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Zinc	< 10	10	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶

(1) Instrument QC Batch: MA18171

(2) Instrument QC Batch: MA18196

(3) Instrument QC Batch: MA18197

(4) Instrument QC Batch: MA18208

(5) Prep QC Batch: MP39684

(6) Prep QC Batch: MP39699

(7) Prep QC Batch: MP39746

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-3	Date Sampled:	06/28/24
Lab Sample ID:	DA65416-3	Date Received:	07/02/24
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Bernardt S&G		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	0.82	0.20	mg/l	2	07/03/24 11:39	CS	EPA 300.0
Chloride	75.1	13	mg/l	25	07/03/24 12:05	CS	EPA 300.0
Sulfate	258	13	mg/l	25	07/03/24 12:05	CS	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	0.56	0.10	mg/l	1	07/17/24 15:34	ANJ	EPA 353.2/LACHAT
Nitrogen, Total Kjeldahl	< 0.40	0.40	mg/l	2	07/05/24 16:22	KH	EPA 351.2
Solids, Total Dissolved	657	10	mg/l	1	07/05/24 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-3	Date Sampled:	06/28/24
Lab Sample ID:	DA65416-3F	Date Received:	07/02/24
Matrix:	AQ - Water Filtered	Percent Solids:	n/a
Project:	Bernardt S&G		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method	
Aluminum	< 50	50	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Antimony	< 0.40	0.40	ug/l	1	07/10/24	07/15/24	DU	EPA 200.8 ³	EPA 200.8 ⁶
Arsenic	0.20	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Barium	28.7	2.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Beryllium	< 0.20	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Boron	211	40	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Cadmium	< 0.10	0.10	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Chromium	< 2.0	2.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Cobalt	3.5	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Copper	< 2.0	2.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Iron	< 20	20	ug/l	1	07/10/24	07/15/24	DU	EPA 200.8 ³	EPA 200.8 ⁶
Lead	< 0.50	0.50	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Lithium	10.5	10	ug/l	1	07/10/24	07/16/24	CDL	EPA 200.7 ⁴	EPA 200.7 ⁷
Manganese	890	1.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Mercury	< 0.10	0.10	ug/l	1	07/09/24	07/09/24	KM	EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	7.9	1.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Nickel	3.7	2.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Selenium	1.1	0.40	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Silver	< 0.10	0.10	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Thallium	< 0.20	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Uranium	29.0	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Vanadium	< 1.0	1.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Zinc	< 10	10	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶

- (1) Instrument QC Batch: MA18171
- (2) Instrument QC Batch: MA18196
- (3) Instrument QC Batch: MA18197
- (4) Instrument QC Batch: MA18208
- (5) Prep QC Batch: MP39684
- (6) Prep QC Batch: MP39699
- (7) Prep QC Batch: MP39746

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-4	Date Sampled:	07/01/24
Lab Sample ID:	DA65416-4	Date Received:	07/02/24
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Bernardt S&G		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	0.76	0.20	mg/l	2	07/03/24 10:37	CS	EPA 300.0
Chloride	151	13	mg/l	25	07/03/24 10:46	CS	EPA 300.0
Sulfate	233	13	mg/l	25	07/03/24 10:46	CS	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	1.7	0.10	mg/l	1	07/17/24 15:37	ANJ	EPA 353.2/LACHAT
Nitrogen, Total Kjeldahl	0.34	0.20	mg/l	1	07/05/24 16:22	KH	EPA 351.2
Solids, Total Dissolved	772	10	mg/l	1	07/05/24 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-4	Date Sampled:	07/01/24
Lab Sample ID:	DA65416-4F	Date Received:	07/02/24
Matrix:	AQ - Water Filtered	Percent Solids:	n/a
Project:	Bernardt S&G		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method	
Aluminum	< 50	50	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Antimony	0.51	0.40	ug/l	1	07/10/24	07/15/24	DU	EPA 200.8 ³	EPA 200.8 ⁶
Arsenic	1.3	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Barium	46.8	2.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Beryllium	< 0.20	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Boron	212	40	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Cadmium	0.11	0.10	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Chromium	< 2.0	2.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Cobalt	2.1	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Copper	2.9	2.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Iron	26.6	20	ug/l	1	07/10/24	07/15/24	DU	EPA 200.8 ³	EPA 200.8 ⁶
Lead	< 0.50	0.50	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Lithium	27.0	10	ug/l	1	07/10/24	07/16/24	CDL	EPA 200.7 ⁴	EPA 200.7 ⁷
Manganese	296	1.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Mercury	< 0.10	0.10	ug/l	1	07/09/24	07/09/24	KM	EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	5.1	1.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Nickel	2.6	2.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Selenium	2.1	0.40	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Silver	< 0.10	0.10	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Thallium	< 0.20	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Uranium	14.3	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Vanadium	< 1.0	1.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Zinc	< 10	10	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶

(1) Instrument QC Batch: MA18171

(2) Instrument QC Batch: MA18196

(3) Instrument QC Batch: MA18197

(4) Instrument QC Batch: MA18208

(5) Prep QC Batch: MP39684

(6) Prep QC Batch: MP39699

(7) Prep QC Batch: MP39746

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

SGS Sample Receipt Summary

Job Number: da65416 Client: STEWART Project: BERNARDT S&G

Date / Time Received: 7/2/2024 4:30:00 PM Delivery Method: hd Airbill #s:

Cooler Temps (Raw Measured) °C: Cooler 1: (3.0);

Cooler Temps (Corrected) °C: Cooler 1: (3.0);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☒		☐	3. COC Present:	☒		☐
2. Custody Seals Intact:	☒		☐	4. Smpl Dates/Time OK	☒		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☒		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☒
2. Trip Blank listed on COC:	☐		☐	☒
3. Samples preserved properly:	☒		☐	
4. VOCs headspace free:	☐		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☒		☐
2. Container labeling complete:	☒		☐
3. Sample container label / COC agree:	☒		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☐		☒
2. All containers accounted for:	☒		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☒		☐	
2. Bottles received for unspecified tests	☐		☒	
3. Sufficient volume recvd for analysis:	☒		☐	
4. Compositing instructions clear:	☐		☐	☒
5. Filtering instructions clear:	☐		☐	☒

Test Strip Lot #s: pH 1-12: pH 12+: Other: (Specify)

Comments No dissolved metals list. Client preserved anions bottle with H2SO4- will use for TKN. Will use TDS bottle for anions. MW-1 and MW-3 no3/no2 are out of hold.

Responded to by: Kelly Blanchard

Response Date: 7/8/2024

Client Dave Stewart sent a parameter list, will append to COC. Please run NO32 by 353.2/lachat method.

4.1
4

Metals Analysis

5

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA65416
Account: STEWC0FC - Stewart Environmental
Project: Bernardt S&G

QC Batch ID: MP39684
Matrix Type: AQUEOUS

Methods: EPA 245.1
Units: ug/l

Prep Date: 07/09/24

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.10	.015	.05	-0.016	<0.10

Associated samples MP39684: DA65416-1F, DA65416-2F, DA65416-3F, DA65416-4F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA65416
Account: STEWCOFC - Stewart Environmental
Project: Bernardt S&G

QC Batch ID: MP39684
Matrix Type: AQUEOUS

Methods: EPA 245.1
Units: ug/l

Prep Date: 07/09/24

Metal	DA65415-2F		SpikeLot		QC
	Original	MS	HGWSR1	% Rec	Limits
Mercury	0.0	1.1	1	110.0	70-130

Associated samples MP39684: DA65416-1F, DA65416-2F, DA65416-3F, DA65416-4F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

5.1.2
5

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA65416
 Account: STEWCOFC - Stewart Environmental
 Project: Bernardt S&G

QC Batch ID: MP39684
 Matrix Type: AQUEOUS

Methods: EPA 245.1
 Units: ug/l

Prep Date: 07/09/24

Metal	DA65415-2F Original MSD		SpikeLot HGWSR1	% Rec	MSD RPD	QC Limit
Mercury	0.0	1.1	1	110.0	0.0	20

Associated samples MP39684: DA65416-1F, DA65416-2F, DA65416-3F, DA65416-4F

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA65416
Account: STEWCOFC - Stewart Environmental
Project: Bernardt S&G

QC Batch ID: MP39684
Matrix Type: AQUEOUS

Methods: EPA 245.1
Units: ug/l

Prep Date: 07/09/24

Metal	BSP Result	SpikeLot HGWSR1	% Rec	QC Limits
Mercury	1.1	1	110.0	85-115

Associated samples MP39684: DA65416-1F, DA65416-2F, DA65416-3F, DA65416-4F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA65416
Account: STEWC0FC - Stewart Environmental
Project: Bernardt S&G

QC Batch ID: MP39699
Matrix Type: AQUEOUS

Methods: EPA 200.8
Units: ug/l

Prep Date: 07/10/24

Metal	RL	IDL	MDL	MB raw	final
Aluminum	50	.52	13	4.1	<50
Antimony	0.40	.01	.3	-0.010	<0.40
Arsenic	0.20	.05	.05	-0.00034	<0.20
Barium	2.0	.096	.25	0.037	<2.0
Beryllium	0.20	.077	.1	-0.0011	<0.20
Boron	40	18	20	1.9	<40
Cadmium	0.10	.03	.04	-0.00082	<0.10
Calcium	400	25	100		
Chromium	2.0	.087	.25	0.029	<2.0
Cobalt	0.20	.04	.05	-0.0011	<0.20
Copper	2.0	.05	.81	0.059	<2.0
Iron	20	1.6	10	2.8	<20
Lead	0.50	.094	.13	0.0068	<0.50
Magnesium	100	10	25		
Manganese	1.0	.079	.51	0.019	<1.0
Molybdenum	1.0	.037	.27	-0.011	<1.0
Nickel	2.0	.098	.35	0.0016	<2.0
Phosphorus	60	7.6	25		
Potassium	200	2	50		
Selenium	0.40	.05	.1	-0.012	<0.40
Silver	0.10	.0081	.025	0.00084	<0.10
Sodium	500	10	130		
Strontium	20	.1	5		
Thallium	0.20	.032	.05	-0.0019	<0.20
Tin	10	.22	2.5		
Titanium	2.0	.05	.37		
Uranium	0.20	.015	.05	-0.0044	<0.20
Vanadium	1.0	.14	.2	-0.016	<1.0
Zinc	10	.05	2.1	0.69	<10

Associated samples MP39699: DA65416-1F, DA65416-2F, DA65416-3F, DA65416-4F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA65416
Account: STEWC0FC - Stewart Environmental
Project: Bernardt S&G

QC Batch ID: MP39699
Matrix Type: AQUEOUS

Methods: EPA 200.8
Units: ug/l

Prep Date: 07/10/24

Metal	DA65424-1A Original MS		Spikelet ICPMS5	% Rec	QC Limits
Aluminum	331	1230	1000	89.9	70-130
Antimony	0.54	113	100	112.5	70-130
Arsenic	0.48	200	200	99.8	70-130
Barium	35.2	422	400	96.7	70-130
Beryllium	0.0	98.0	100	98.0	70-130
Boron	0.00	437	400	109.3	70-130
Cadmium	0.061	97.0	100	96.9	70-130
Calcium					
Chromium	0.62	98.8	100	98.2	70-130
Cobalt	0.25	98.2	100	98.0	70-130
Copper	2.2	101	100	98.8	70-130
Iron	453	1410	1000	95.7	70-130
Lead	1.9	207	200	102.6	70-130
Magnesium					
Manganese	31.9	228	200	98.1	70-130
Molybdenum	1.0	99.7	100	98.7	70-130
Nickel	0.69	97.0	100	96.3	70-130
Phosphorus					
Potassium					
Selenium	0.24	197	200	98.4	70-130
Silver	0.011	39.2	40	98.0	70-130
Sodium					
Strontium					
Thallium	0.15	198	200	98.9	70-130
Tin					
Titanium					
Uranium	1.3	192	200	95.4	70-130
Vanadium	0.90	98.8	100	97.9	70-130
Zinc	15.7	112	100	96.3	70-130

Associated samples MP39699: DA65416-1F, DA65416-2F, DA65416-3F, DA65416-4F

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA65416
Account: STEWCOFC - Stewart Environmental
Project: Bernardt S&G

QC Batch ID: MP39699
Matrix Type: AQUEOUS

Methods: EPA 200.8
Units: ug/l

Prep Date: 07/10/24

Metal	DA65424-1A Original MSD		Spikelet ICPMS5	% Rec	MSD RPD	QC Limit
Aluminum	331	1270	1000	93.9	4.0	20
Antimony	0.54	111	100	110.5	4.4	20
Arsenic	0.48	201	200	100.3	0.5	20
Barium	35.2	425	400	97.5	7.0	20
Beryllium	0.0	97.2	100	97.2	3.8	20
Boron	0.00	433	400	108.3	11.5	20
Cadmium	0.061	95.5	100	95.4	4.6	20
Calcium						
Chromium	0.62	97.1	100	96.5	1.7	20
Cobalt	0.25	97.6	100	97.4	2.4	20
Copper	2.2	101	100	98.8	3.9	20
Iron	453	1430	1000	97.7	0.7	20
Lead	1.9	204	200	101.1	1.5	20
Magnesium						
Manganese	31.9	226	200	97.1	2.6	20
Molybdenum	1.0	98.5	100	97.5	3.5	20
Nickel	0.69	97.5	100	96.8	2.5	20
Phosphorus						
Potassium						
Selenium	0.24	200	200	99.9	5.4	20
Silver	0.011	38.2	40	95.5	5.8	20
Sodium						
Strontium						
Thallium	0.15	201	200	100.4	0.5	20
Tin						
Titanium						
Uranium	1.3	192	200	95.4	0.5	20
Vanadium	0.90	97.6	100	96.7	1.2	20
Zinc	15.7	112	100	96.3	5.2	20

Associated samples MP39699: DA65416-1F, DA65416-2F, DA65416-3F, DA65416-4F

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA65416
Account: STEWC0FC - Stewart Environmental
Project: Bernardt S&G

QC Batch ID: MP39699
Matrix Type: AQUEOUS

Methods: EPA 200.8
Units: ug/l

Prep Date: 07/10/24

Metal	BSP Result	SpikeLot ICPMS5	% Rec	QC Limits
Aluminum	909	1000	90.9	85-115
Antimony	114	100	114.0	85-115
Arsenic	204	200	102.0	85-115
Barium	400	400	100.0	85-115
Beryllium	98.7	100	98.7	85-115
Boron	431	400	107.8	85-115
Cadmium	97.6	100	97.6	85-115
Calcium				
Chromium	95.8	100	95.8	85-115
Cobalt	101	100	101.0	85-115
Copper	102	100	102.0	85-115
Iron	1030	1000	103.0	85-115
Lead	203	200	101.5	85-115
Magnesium				
Manganese	201	200	100.5	85-115
Molybdenum	100	100	100.0	85-115
Nickel	99.7	100	99.7	85-115
Phosphorus				
Potassium				
Selenium	204	200	102.0	85-115
Silver	39.7	40	99.3	85-115
Sodium				
Strontium				
Thallium	198	200	99.0	85-115
Tin				
Titanium				
Uranium	191	200	95.5	85-115
Vanadium	95.2	100	95.2	85-115
Zinc	100	100	100.0	85-115

Associated samples MP39699: DA65416-1F, DA65416-2F, DA65416-3F, DA65416-4F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA65416
Account: STEWC0FC - Stewart Environmental
Project: Bernardt S&G

QC Batch ID: MP39746
Matrix Type: AQUEOUS

Methods: EPA 200.7
Units: ug/l

Prep Date: 07/10/24

Metal	RL	IDL	MDL	MB raw	final
Aluminum	100	46	50		
Antimony	30	14	20		
Arsenic	25	22	7		
Barium	10	.3	3		
Beryllium	10	1	2		
Boron	50	3.3	10		
Cadmium	10	1.9	5		
Calcium	400	6.6	61		
Chromium	10	1.1	2		
Cobalt	5.0	2.7	4		
Copper	10	4.6	6		
Iron	20	8.9	10		
Lead	50	13	15		
Lithium	10	.6	4	0.40	<10
Magnesium	200	50	40		
Manganese	5.0	.5	1		
Molybdenum	10	8.5	3		
Nickel	30	6.2	10		
Phosphorus	150	91	110		
Potassium	1000	84	300		
Selenium	50	30	30		
Silicon	200	41	150		
Silver	30	.6	5		
Sodium	400	13	150		
Strontium	5.0	.1	1		
Thallium	12	17	11		
Tin	60	41	51		
Titanium	10	.5	2		
Uranium	50	3.9	20		
Vanadium	10	.9	2		
Zinc	30	9	7		

Associated samples MP39746: DA65416-1F, DA65416-2F, DA65416-3F, DA65416-4F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA65416
Account: STEWC0FC - Stewart Environmental
Project: Bernardt S&G

QC Batch ID: MP39746
Matrix Type: AQUEOUS

Methods: EPA 200.7
Units: ug/l

Prep Date: 07/10/24

Metal	RL	IDL	MDL	MB raw	final
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(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA65416
Account: STEWC0FC - Stewart Environmental
Project: Bernardt S&G

QC Batch ID: MP39746
Matrix Type: AQUEOUS

Methods: EPA 200.7
Units: ug/l

Prep Date: 07/10/24

Metal	DA65379-54 Original MS		SpikeLot ICPALL5 % Rec		QC Limits
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Boron					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Lithium	4.0	213	200	104.5	70-130
Magnesium					
Manganese					
Molybdenum					
Nickel					
Phosphorus					
Potassium					
Selenium					
Silicon					
Silver					
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc					

Associated samples MP39746: DA65416-1F, DA65416-2F, DA65416-3F, DA65416-4F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

5.3.2
5

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA65416
Account: STEWC0FC - Stewart Environmental
Project: Bernardt S&G

QC Batch ID: MP39746
Matrix Type: AQUEOUS

Methods: EPA 200.7
Units: ug/l

Prep Date: 07/10/24

Metal	DA65379-54 Original MS	SpikeLot ICPALL5	% Rec	QC Limits
-------	---------------------------	---------------------	-------	--------------

(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

5.3.2
5

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA65416
Account: STEWC0FC - Stewart Environmental
Project: Bernardt S&G

QC Batch ID: MP39746
Matrix Type: AQUEOUS

Methods: EPA 200.7
Units: ug/l

Prep Date: 07/10/24

Metal	DA65379-54 Original	MSD	SpikeLot ICPALL5	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Boron						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Lithium	4.0	209	200	102.5	1.9	20
Magnesium						
Manganese						
Molybdenum						
Nickel						
Phosphorus						
Potassium						
Selenium						
Silicon						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc						

Associated samples MP39746: DA65416-1F, DA65416-2F, DA65416-3F, DA65416-4F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA65416
Account: STEWC0FC - Stewart Environmental
Project: Bernardt S&G

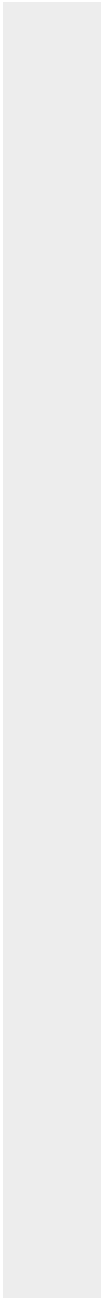
QC Batch ID: MP39746
Matrix Type: AQUEOUS

Methods: EPA 200.7
Units: ug/l

Prep Date: 07/10/24

Metal	DA65379-54 Original MSD	SpikeLot ICPALL5 % Rec	MSD RPD	QC Limit
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(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested



5.3.2
5

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA65416
Account: STEWC0FC - Stewart Environmental
Project: Bernardt S&G

QC Batch ID: MP39746
Matrix Type: AQUEOUS

Methods: EPA 200.7
Units: ug/l

Prep Date: 07/10/24

Metal	BSP Result	SpikeLot ICPALL5	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium	210	200	105.0	85-115
Magnesium				
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP39746: DA65416-1F, DA65416-2F, DA65416-3F, DA65416-4F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

5.3.3
5

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA65416
Account: STEWC0FC - Stewart Environmental
Project: Bernardt S&G

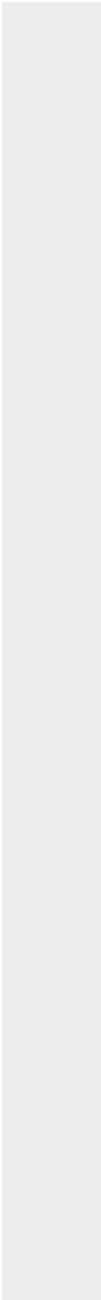
QC Batch ID: MP39746
Matrix Type: AQUEOUS

Methods: EPA 200.7
Units: ug/l

Prep Date: 07/10/24

Metal	BSP Result	SpikeLot ICPALL5	% Rec	QC Limits
-------	---------------	---------------------	-------	--------------

(anr) Analyte not requested



5.3.3
5

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA65416
Account: STEWCOFC - Stewart Environmental
Project: Bernardt S&G

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Bromide	GP36915/GN63967	0.050	0.0	mg/l	0.5	0.503	100.6	90-110%
Chloride	GP36915/GN63967	0.50	0.0	mg/l	5	4.88	97.6	90-110%
Fluoride	GP36915/GN63967	0.10	0.0	mg/l	1	1.00	100.0	90-110%
Nitrogen, Nitrate	GP36915/GN63967	0.010	0.0	mg/l	0.1	0.0986	98.6	90-110%
Nitrogen, Nitrite	GP36915/GN63967	0.0040	0.0	mg/l	0.05	0.0532	106.4	90-110%
Nitrogen, Total Kjeldahl	GP36917/GN63977	0.20	0.0	mg/l	1.270	1.21	95.1	90-110%
Solids, Total Dissolved	GN63965	10	0.0	mg/l	250	988	98.8	90-110%
Sulfate	GP36915/GN63967	0.50	0.0	mg/l	5	4.94	98.8	90-110%

Associated Samples:

Batch GN63965: DA65416-1, DA65416-2, DA65416-3, DA65416-4

Batch GP36915: DA65416-1, DA65416-2, DA65416-3, DA65416-4

Batch GP36917: DA65416-1, DA65416-2, DA65416-3, DA65416-4

(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA65416
Account: STEWCOFC - Stewart Environmental
Project: Bernardt S&G

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Solids, Total Dissolved	GN63965	DA65437-1	mg/l	741	767	3.4	0-5.44%

Associated Samples:

Batch GN63965: DA65416-1, DA65416-2, DA65416-3, DA65416-4
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA65416
Account: STEWCOFC - Stewart Environmental
Project: Bernardt S&G

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Bromide	GP36915/GN63967	DA65424-2	mg/l	0.0	5	5.0	1000.0N	80-120%
Chloride	GP36915/GN63967	DA65424-2	mg/l	71.6	50	122	100.8	80-120%
Fluoride	GP36915/GN63967	DA65424-2	mg/l	0.0	10	10.1	101.0	80-120%
Nitrogen, Nitrate	GP36915/GN63967	DA65424-2	mg/l	0.70	1	1.7	1000.0(a)	80-120%
Nitrogen, Nitrite	GP36915/GN63967	DA65424-2	mg/l	0.074	0.5	0.57	99.2	80-120%
Nitrogen, Total Kjeldahl	GP36917/GN63977	DA65383-1	mg/l	0.17 U	1	1.2	120.0N(b)	90-110%
Sulfate	GP36915/GN63967	DA65424-2	mg/l	140	50	191	1020.0(a)	80-120%

Associated Samples:

Batch GP36915: DA65416-1, DA65416-2, DA65416-3, DA65416-4

Batch GP36917: DA65416-1, DA65416-2, DA65416-3, DA65416-4

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

(b) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA65416
Account: STEWCOFC - Stewart Environmental
Project: Bernardt S&G

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Bromide	GP36915/GN63967	DA65424-2	mg/l	0.0	5	5.0	0.0	20%
Chloride	GP36915/GN63967	DA65424-2	mg/l	71.6	50	122	0.0	20%
Fluoride	GP36915/GN63967	DA65424-2	mg/l	0.0	10	10.0	1.0	20%
Nitrogen, Nitrate	GP36915/GN63967	DA65424-2	mg/l	0.70	1	1.7	0.0	20%
Nitrogen, Nitrite	GP36915/GN63967	DA65424-2	mg/l	0.074	0.5	0.58	1.7	20%
Sulfate	GP36915/GN63967	DA65424-2	mg/l	140	50	190	0.5	20%

Associated Samples:

Batch GP36915: DA65416-1, DA65416-2, DA65416-3, DA65416-4

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

Misc. Forms

Custody Documents and Other Forms

(SGS Dayton, NJ)

Includes the following where applicable:

- Chain of Custody



CHAIN OF CUSTODY

SGS North America Inc. - Wheat Ridge
4036 Youngfield Street, Wheat Ridge, CO 80033
TEL: 303-425-6021 FAX: 303-425-6854
www.sgs.com/ehsusa

Page 1 of 1

FED-EX Tracking # 646649003903		Sales Order Control # LR-062024-146	
SGS Quote #		SGS Job # DA65416	
Client / Reporting Information			
Company Name: SGS North America Inc.		Project Name: Bernardt S&G	
Street Address: 4036 Youngfield Street		Billing Information (if different from Report to)	
City: Wheat Ridge, CO 80033	State: CO	City: Wheat Ridge, CO	State: CO
Project Contact: pama.eskandaripayandeh@sgs.com	E-mail: pama.eskandaripayandeh@sgs.com	Project #	Street Address
Phone #: 303-425-6021	Fax #	Client Purchase Order #	City: Wheat Ridge, CO
Sampler(s) Name(s): JS		Phone	Project Manager
Attention:		City: Wheat Ridge, CO	
State: CO		Zip: 80033	
Turnaround Time (Business days)		Comments / Special Instructions	
Approved By (SGS PM): / Date:		Data Deliverable Information	
☐ Standard 10 Day (business)		☐ EPA 353.2 Lachat	
☐ 5 Business Days RUSH		☐ EPA 353.2 Lachat	
☐ 3 Business Days RUSH		☐ EPA 353.2 Lachat	
☐ 2 Business Days RUSH		☐ EPA 353.2 Lachat	
☐ 1 Business Day EMERGENCY		☐ EPA 353.2 Lachat	
☒ other Due 7/11/2024		☐ EPA 353.2 Lachat	
Emergency & Rush T/A data available via Lablink. Approval needed for RUSH/Emergency TAT.		Initial Assessment 4830	
Sample Custody must be documented below each time samples change possession, including courier delivery.		Label Verification	
Relinquished By: 1		Relinquished By: 2	
Date Time: 7/11/24		Date Time: 7/13/24	
Received By: 1		Received By: 2	
Date Time: 7/11/24		Date Time: 7/13/24	
Relinquished By: 3		Relinquished By: 4	
Date Time: 7/11/24		Date Time: 7/13/24	
Received By: 3		Received By: 4	
Date Time: 7/11/24		Date Time: 7/13/24	
Relinquished By: 5		Relinquished By: 5	
Date Time: 7/11/24		Date Time: 7/13/24	
Received By: 5		Received By: 5	
Date Time: 7/11/24		Date Time: 7/13/24	
Custody Seal #		Therm. ID: 4.7	
☐ Intact		☐ Preserved where applicable	
☐ Not Intact		☐ Therm. ID: 4.7	

DA65416: Chain of Custody

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SGS Dayton, NJ



SGS Sample Receipt Summary

Job Number: DA65416 Client: Project: Date / Time Received: 7/13/2024 11:00:00 AM Delivery Method: FEDEX Airbill #s:

Cooler Temps (Raw Measured) °C: Cooler 1: (4.7); Cooler Temps (Corrected) °C: Cooler 1: (5.1);

Cooler Security Y or N Y or N 1. Custody Seals Present: 3. COC Present: 2. Custody Seals Intact: 4. Smpl Dates/Time OK

Cooler Temperature Y or N 1. Temp criteria achieved: 2. Cooler temp verification: IR-50 3. Cooler media: Ice (Bag) 4. No. Coolers: 1

Quality Control Preservation Y or N N/A 1. Trip Blank present / cooler: 2. Trip Blank listed on COC: 3. Samples preserved properly: 4. VOCs headspace free:

Sample Integrity - Documentation Y or N 1. Sample labels present on bottles: 2. Container labeling complete: 3. Sample container label / COC agree:

Sample Integrity - Condition Y or N 1. Sample recvd within HT: 2. All containers accounted for: 3. Condition of sample: Intact

Sample Integrity - Instructions Y or N N/A 1. Analysis requested is clear: 2. Bottles received for unspecified tests: 3. Sufficient volume recvd for analysis: 4. Compositing instructions clear: 5. Filtering instructions clear:

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03 Rev. Date 12/7/17

General Chemistry

QC Data Summaries

(SGS Dayton, NJ)

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA65416
Account: ALMS - SGS Wheat Ridge, CO
Project: STEWC0FC: Bernardt S&G

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Nitrogen, Nitrate + Nitrite	GP55352/GN57287	0.10	0.0	mg/l	2	1.96	98.0	90-110%

Associated Samples:
Batch GP55352: DA65416-1, DA65416-2, DA65416-3, DA65416-4
(*) Outside of QC limits

8.1
8

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA65416
Account: ALMS - SGS Wheat Ridge, CO
Project: STEWC0FC: Bernardt S&G

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Nitrogen, Nitrate + Nitrite	GP55352/GN57287	JD92200-9	mg/l	2.0	2.0	0.0	0-20%

Associated Samples:

Batch GP55352: DA65416-1, DA65416-2, DA65416-3, DA65416-4
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA65416
Account: ALMS - SGS Wheat Ridge, CO
Project: STEWC0FC: Bernardt S&G

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Nitrogen, Nitrate + Nitrite	GP55352/GN57287	JD92200-9	mg/l	2.0	2	3.7	85.0N(a)	90-110%

Associated Samples:

Batch GP55352: DA65416-1, DA65416-2, DA65416-3, DA65416-4

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Stewart Environmental

Bernardt S&G

SGS Job Number: DA68005

Sampling Date: 10/09/24

Report to:

Stewart Environmental Consultants
3801 Automation Way Suite 200
Fort Collins, CO 80525
dave.stewart@stewartenv.com; jcyork@j-tconsulting.com
ATTN: Dave Stewart

Total number of pages in report: 51



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.



Eric Hoffman

Client Service contact: Parna Payandeh 303-425-6021

Certifications: CO (CO00049), ND (R-027), UT (NELAP CO00049), LA (LA150028), TX (T104704511), WY (8TMS-L) HI (CO00049), NJ (CO011), NV (CO00049), AK (CO00049), CA (3076), and NC (08701)

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Test results relate only to samples analyzed.

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Sample Summary

Stewart Environmental
Bernardt S&G

Job No: DA68005

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
DA68005-1	10/09/24	16:30 JS	10/11/24	AQ	Water	MW-1
DA68005-1F	10/09/24	16:30 JS	10/11/24	AQ	Water Filtered	MW-1
DA68005-2	10/09/24	14:00 JS	10/11/24	AQ	Water	MW-2
DA68005-2F	10/09/24	14:00 JS	10/11/24	AQ	Water Filtered	MW-2
DA68005-3	10/09/24	10:30 JS	10/11/24	AQ	Water	MW-3
DA68005-3F	10/09/24	10:30 JS	10/11/24	AQ	Water Filtered	MW-3
DA68005-4	10/09/24	12:30 JS	10/11/24	AQ	Water	MW-4
DA68005-4F	10/09/24	12:30 JS	10/11/24	AQ	Water Filtered	MW-4

Summary of Hits

Job Number: DA68005
Account: Stewart Environmental
Project: Bernardt S&G
Collected: 10/09/24

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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DA68005-1 MW-1

Fluoride	1.0	0.20			mg/l	EPA 300.0
Chloride	85.7	13			mg/l	EPA 300.0
Sulfate	491	13			mg/l	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	0.97	0.10			mg/l	EPA 353.2/LACHAT
Solids, Total Dissolved	976	10			mg/l	SM 2540C-2011

DA68005-1F MW-1

Aluminum	163	50			ug/l	EPA 200.8
Arsenic	0.27	0.20			ug/l	EPA 200.8
Barium	27.9	2.0			ug/l	EPA 200.8
Boron	208	40			ug/l	EPA 200.8
Cobalt	1.5	0.20			ug/l	EPA 200.8
Iron	191	20			ug/l	EPA 200.8
Lithium	21.5	5.0			ug/l	EPA 200.7
Manganese	785	1.0			ug/l	EPA 200.8
Molybdenum	7.1	1.0			ug/l	EPA 200.8
Selenium	5.1	0.40			ug/l	EPA 200.8
Uranium	31.0	0.20			ug/l	EPA 200.8

DA68005-2 MW-2

Chloride	128	13			mg/l	EPA 300.0
Sulfate	275	13			mg/l	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	1.9	0.10			mg/l	EPA 353.2/LACHAT
Solids, Total Dissolved	373	10			mg/l	SM 2540C-2011

DA68005-2F MW-2

Arsenic	0.28	0.20			ug/l	EPA 200.8
Barium	46.3	2.0			ug/l	EPA 200.8
Boron	227	40			ug/l	EPA 200.8
Cobalt	1.9	0.20			ug/l	EPA 200.8
Iron	30.4	20			ug/l	EPA 200.8
Lithium	29.8	5.0			ug/l	EPA 200.7
Manganese	444	1.0			ug/l	EPA 200.8
Molybdenum	5.6	1.0			ug/l	EPA 200.8
Nickel	3.0	2.0			ug/l	EPA 200.8
Selenium	1.9	0.40			ug/l	EPA 200.8
Uranium	23.1	0.20			ug/l	EPA 200.8

Summary of Hits

Job Number: DA68005
Account: Stewart Environmental
Project: Bernardt S&G
Collected: 10/09/24

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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DA68005-3 MW-3

Fluoride	0.72	0.20		mg/l	EPA 300.0
Chloride	78.3	13		mg/l	EPA 300.0
Sulfate	286	13		mg/l	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	0.41	0.10		mg/l	EPA 353.2/LACHAT
Solids, Total Dissolved	448	10		mg/l	SM 2540C-2011

DA68005-3F MW-3

Aluminum	200	50		ug/l	EPA 200.8
Arsenic	0.26	0.20		ug/l	EPA 200.8
Barium	26.2	2.0		ug/l	EPA 200.8
Boron	203	40		ug/l	EPA 200.8
Cobalt	3.3	0.20		ug/l	EPA 200.8
Iron	207	20		ug/l	EPA 200.8
Lithium	21.6	5.0		ug/l	EPA 200.7
Manganese	723	1.0		ug/l	EPA 200.8
Molybdenum	7.9	1.0		ug/l	EPA 200.8
Nickel	3.2	2.0		ug/l	EPA 200.8
Selenium	2.6	0.40		ug/l	EPA 200.8
Uranium	29.2	0.20		ug/l	EPA 200.8

DA68005-4 MW-4

Fluoride	0.87	0.10		mg/l	EPA 300.0
Chloride	119	5.0		mg/l	EPA 300.0
Sulfate	205	5.0		mg/l	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	1.9	0.10		mg/l	EPA 353.2/LACHAT
Solids, Total Dissolved	341	10		mg/l	SM 2540C-2011

DA68005-4F MW-4

Antimony	0.65	0.40		ug/l	EPA 200.8
Arsenic	1.3	0.20		ug/l	EPA 200.8
Barium	40.9	2.0		ug/l	EPA 200.8
Boron	215	40		ug/l	EPA 200.8
Cobalt	1.6	0.20		ug/l	EPA 200.8
Copper	2.2	2.0		ug/l	EPA 200.8
Iron	44.1	20		ug/l	EPA 200.8
Lithium	33.9	5.0		ug/l	EPA 200.7
Manganese	204	1.0		ug/l	EPA 200.8
Molybdenum	6.9	1.0		ug/l	EPA 200.8
Nickel	2.2	2.0		ug/l	EPA 200.8
Selenium	1.4	0.40		ug/l	EPA 200.8

Summary of Hits

Job Number: DA68005
Account: Stewart Environmental
Project: Bernardt S&G
Collected: 10/09/24

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Uranium		10.7	0.20		ug/l	EPA 200.8
Vanadium		1.1	1.0		ug/l	EPA 200.8

(a) Analysis performed at SGS Dayton, NJ.



Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW-1	Date Sampled:	10/09/24
Lab Sample ID:	DA68005-1	Date Received:	10/11/24
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Bernardt S&G		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	1.0	0.20	mg/l	2	10/14/24 13:35	CS	EPA 300.0
Chloride	85.7	13	mg/l	25	10/14/24 15:18	CS	EPA 300.0
Sulfate	491	13	mg/l	25	10/14/24 15:18	CS	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	0.97	0.10	mg/l	1	10/21/24 19:11	ANJ	EPA 353.2/LACHAT
Solids, Total Dissolved	976	10	mg/l	1	10/16/24 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-1

Lab Sample ID: DA68005-1F

Matrix: AQ - Water Filtered

Project: Bernardt S&G

Date Sampled: 10/09/24

Date Received: 10/11/24

Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	163	50	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Antimony	< 0.40	0.40	ug/l	1	10/18/24	10/25/24	CDL EPA 200.8 ³	EPA 200.8 ⁶
Arsenic	0.27	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Barium	27.9	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Beryllium	< 0.20	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Boron	208	40	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cadmium	< 0.10	0.10	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Chromium	< 2.0	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cobalt	1.5	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Copper	< 2.0	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Iron	191	20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lead	< 0.50	0.50	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lithium	21.5	5.0	ug/l	1	10/18/24	10/24/24	CDL EPA 200.7 ⁴	EPA 200.7 ⁷
Manganese	785	1.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Mercury	< 0.10	0.10	ug/l	1	10/21/24	10/22/24	CDL EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	7.1	1.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Nickel	< 2.0	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Selenium	5.1	0.40	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Silver	< 0.10	0.10	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Thallium	< 0.20	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Uranium	31.0	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Vanadium	< 1.0	1.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Zinc	< 10	10	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶

(1) Instrument QC Batch: MA18546

(2) Instrument QC Batch: MA18547

(3) Instrument QC Batch: MA18553

(4) Instrument QC Batch: MA18582

(5) Prep QC Batch: MP40278

(6) Prep QC Batch: MP40286

(7) Prep QC Batch: MP40316

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-2	Date Sampled:	10/09/24
Lab Sample ID:	DA68005-2	Date Received:	10/11/24
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Bernardt S&G		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride ^a	< 2.5	2.5	mg/l	25	10/14/24 15:27	CS	EPA 300.0
Chloride	128	13	mg/l	25	10/14/24 15:27	CS	EPA 300.0
Sulfate	275	13	mg/l	25	10/14/24 15:27	CS	EPA 300.0
Nitrogen, Nitrate + Nitrite ^b	1.9	0.10	mg/l	1	10/21/24 19:13	ANJ	EPA 353.2/LACHAT
Solids, Total Dissolved	373	10	mg/l	1	10/16/24 07:00	JW	SM 2540C-2011

(a) Elevated detection limit due to matrix interference.
(b) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-2	Date Sampled:	10/09/24
Lab Sample ID:	DA68005-2F	Date Received:	10/11/24
Matrix:	AQ - Water Filtered	Percent Solids:	n/a
Project:	Bernardt S&G		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 50	50	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Antimony	< 0.40	0.40	ug/l	1	10/18/24	10/25/24	CDL EPA 200.8 ³	EPA 200.8 ⁶
Arsenic	0.28	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Barium	46.3	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Beryllium	< 0.20	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Boron	227	40	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cadmium	< 0.10	0.10	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Chromium	< 2.0	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cobalt	1.9	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Copper	< 2.0	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Iron	30.4	20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lead	< 0.50	0.50	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lithium	29.8	5.0	ug/l	1	10/18/24	10/24/24	CDL EPA 200.7 ⁴	EPA 200.7 ⁷
Manganese	444	1.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Mercury	< 0.10	0.10	ug/l	1	10/21/24	10/22/24	CDL EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	5.6	1.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Nickel	3.0	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Selenium	1.9	0.40	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Silver	< 0.10	0.10	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Thallium	< 0.20	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Uranium	23.1	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Vanadium	< 1.0	1.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Zinc	< 10	10	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶

(1) Instrument QC Batch: MA18546

(2) Instrument QC Batch: MA18547

(3) Instrument QC Batch: MA18553

(4) Instrument QC Batch: MA18582

(5) Prep QC Batch: MP40278

(6) Prep QC Batch: MP40286

(7) Prep QC Batch: MP40316

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-3	Date Sampled:	10/09/24
Lab Sample ID:	DA68005-3	Date Received:	10/11/24
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Bernardt S&G		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	0.72	0.20	mg/l	2	10/14/24 13:52	CS	EPA 300.0
Chloride	78.3	13	mg/l	25	10/14/24 15:35	CS	EPA 300.0
Sulfate	286	13	mg/l	25	10/14/24 15:35	CS	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	0.41	0.10	mg/l	1	10/21/24 19:14	ANJ	EPA 353.2/LACHAT
Solids, Total Dissolved	448	10	mg/l	1	10/16/24 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-3

Lab Sample ID: DA68005-3F

Matrix: AQ - Water Filtered

Project: Bernardt S&G

Date Sampled: 10/09/24

Date Received: 10/11/24

Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	200	50	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Antimony	< 0.40	0.40	ug/l	1	10/18/24	10/25/24	CDL EPA 200.8 ³	EPA 200.8 ⁶
Arsenic	0.26	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Barium	26.2	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Beryllium	< 0.20	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Boron	203	40	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cadmium	< 0.10	0.10	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Chromium	< 2.0	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cobalt	3.3	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Copper	< 2.0	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Iron	207	20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lead	< 0.50	0.50	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lithium	21.6	5.0	ug/l	1	10/18/24	10/24/24	CDL EPA 200.7 ⁴	EPA 200.7 ⁷
Manganese	723	1.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Mercury	< 0.10	0.10	ug/l	1	10/21/24	10/22/24	CDL EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	7.9	1.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Nickel	3.2	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Selenium	2.6	0.40	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Silver	< 0.10	0.10	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Thallium	< 0.20	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Uranium	29.2	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Vanadium	< 1.0	1.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Zinc	< 10	10	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶

(1) Instrument QC Batch: MA18546

(2) Instrument QC Batch: MA18547

(3) Instrument QC Batch: MA18553

(4) Instrument QC Batch: MA18582

(5) Prep QC Batch: MP40278

(6) Prep QC Batch: MP40286

(7) Prep QC Batch: MP40316

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-4	Date Sampled:	10/09/24
Lab Sample ID:	DA68005-4	Date Received:	10/11/24
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Bernardt S&G		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	0.87	0.10	mg/l	1	10/14/24 14:18	CS	EPA 300.0
Chloride	119	5.0	mg/l	10	10/14/24 16:53	CS	EPA 300.0
Sulfate	205	5.0	mg/l	10	10/14/24 16:53	CS	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	1.9	0.10	mg/l	1	10/21/24 19:17	ANJ	EPA 353.2/LACHAT
Solids, Total Dissolved	341	10	mg/l	1	10/16/24 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-4	Date Sampled:	10/09/24
Lab Sample ID:	DA68005-4F	Date Received:	10/11/24
Matrix:	AQ - Water Filtered	Percent Solids:	n/a
Project:	Bernardt S&G		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 50	50	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Antimony	0.65	0.40	ug/l	1	10/18/24	10/25/24	CDL EPA 200.8 ³	EPA 200.8 ⁶
Arsenic	1.3	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Barium	40.9	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Beryllium	< 0.20	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Boron	215	40	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cadmium	< 0.10	0.10	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Chromium	< 2.0	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cobalt	1.6	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Copper	2.2	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Iron	44.1	20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lead	< 0.50	0.50	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lithium	33.9	5.0	ug/l	1	10/18/24	10/24/24	CDL EPA 200.7 ⁴	EPA 200.7 ⁷
Manganese	204	1.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Mercury	< 0.10	0.10	ug/l	1	10/21/24	10/22/24	CDL EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	6.9	1.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Nickel	2.2	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Selenium	1.4	0.40	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Silver	< 0.10	0.10	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Thallium	< 0.20	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Uranium	10.7	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Vanadium	1.1	1.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Zinc	< 10	10	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶

(1) Instrument QC Batch: MA18546

(2) Instrument QC Batch: MA18547

(3) Instrument QC Batch: MA18553

(4) Instrument QC Batch: MA18582

(5) Prep QC Batch: MP40278

(6) Prep QC Batch: MP40286

(7) Prep QC Batch: MP40316

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

SGS North America Inc. - Wheat Ridge
4036 Youngfield Street, Wheat Ridge, CO 80033
TEL: 303-425-6021 FAX: 303-425-6854
www.sgs.com/ehsusa

Bottle Order Control #	FED-EX Tracking #
SGS Quote #	SGS Job # PA68005

[illegible]

Current Regular COC 23MAY23.xls; FORM: EHSA-QAC-0027-01-FORM-Wheat Ridge - COC: RV 9/2/21

DA68005: Chain of Custody

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Appendix A: Full parameter list for Construction Material Sites (with Table Value Standards) from Regulation 41, Tables 1-4

Analyte	Table Value Standard (mg/L, unless other units given)	Reg. 41 Table Reference (1-4)
pH Field (pH unit)	6.50 - 8.50	2 and 3
TDS	400 mg/L, or 1.25X background	4
Chloride - Dissolved	250	2
Fluoride - Dissolved	2	3
Nitrate (NO ₃)	10	1
Nitrite (NO ₂)	1.0	1
Nitrite + Nitrate as Nitrogen	10	1
Sulfate - Dissolved	250	2
Aluminum - Dissolved	5	3
Antimony - Dissolved	0.006	1
Arsenic - Dissolved	0.01	1
Barium - Dissolved	2	1
Beryllium - Dissolved	0.004	1
Boron - Dissolved	0.75	3
Cadmium - Dissolved	0.005	1
Chromium - Dissolved	0.1	1 and 3
Cobalt - Dissolved	0.05	3
Copper - Dissolved	0.2	3
Iron - Dissolved	0.3	2
Lead - Dissolved	0.05	1
Lithium - Dissolved	2.5	3
Manganese - Dissolved	0.05	2
Mercury - Dissolved	0.002	1
Molybdenum - Dissolved	0.21	1
Nickel - Dissolved	0.1	1
Selenium - Dissolved	0.02	3
Silver - Dissolved	0.05	1
Thallium - Dissolved	0.002	1
Uranium - Dissolved	0.0168 to 0.03	1
Vanadium - Dissolved	0.1	3
Zinc - Dissolved	2	3

- These analytes, at a minimum, will be tested for during the five (5) quarters of baseline monitoring. It will be up to the Operator/Permittee to submit a Technical Revision with proper justification to reduce the analyte list.

SGS Sample Receipt Summary

Job Number: da68005

Client: SEC

Project: BERNARDT STG

Date / Time Received: 10/11/2024 5:40:00 PM

Delivery Method: hd

Airbill #s:

Cooler Temps (Raw Measured) °C: Cooler 1: (2.6);

Cooler Temps (Corrected) °C: Cooler 1: (2.6);

Cooler Security

Y or N

1. Custody Seals Present: ☒ ☐
2. Custody Seals Intact: ☒ ☐

3. COC Present: ☒ ☐
4. Smpl Dates/Time OK: ☒ ☐

Cooler Temperature

Y or N

1. Temp criteria achieved: ☒ ☐
2. Cooler temp verification: IR Gun
3. Cooler media: Ice (Bag)
4. No. Coolers: 1

Quality Control Preservation

Y or N N/A

1. Trip Blank present / cooler: ☐ ☐ ☒
2. Trip Blank listed on COC: ☐ ☐ ☒
3. Samples preserved properly: ☒ ☐
4. VOCs headspace free: ☐ ☐ ☒

Sample Integrity - Documentation

Y or N

1. Sample labels present on bottles: ☒ ☐
2. Container labeling complete: ☒ ☐
3. Sample container label / COC agree: ☒ ☐

Sample Integrity - Condition

Y or N

1. Sample recvd within HT: ☒ ☐
2. All containers accounted for: ☒ ☐
3. Condition of sample: Intact

Sample Integrity - Instructions

Y or N N/A

1. Analysis requested is clear: ☒ ☐
2. Bottles received for unspecified tests: ☐ ☒
3. Sufficient volume recvd for analysis: ☒ ☐
4. Compositing instructions clear: ☐ ☐ ☒
5. Filtering instructions clear: ☐ ☐ ☒

Test Strip Lot #s: pH 1-12: pH 12+: Other: (Specify)

Comments

DA68005: Chain of Custody

Page 3 of 6

Responded to by:

Response Date:

4.1

4

DA68005: Chain of Custody
Page 4 of 6

SGS Sample Receipt Summary

Job Number: da68005

Client: SEC

Project: BERNARDT STG

Date / Time Received: 10/12/2024 5:40:00 PM

Delivery Method: hd

Airbill #s:

Cooler Temps (Raw Measured) °C:

Cooler Temps (Corrected) °C:

Cooler Security

Y or N

1. Custody Seals Present: ☒ ☐
2. Custody Seals Intact: ☒ ☐

3. COC Present: ☒ ☐
4. Smpl Dates/Time OK: ☒ ☐

Cooler Temperature

Y or N

1. Temp criteria achieved: ☒ ☐
2. Cooler temp verification: _____
3. Cooler media: _____
4. No. Coolers: _____

Quality Control Preservation

Y or N N/A

1. Trip Blank present / cooler: ☐ ☐ ☐
2. Trip Blank listed on COC: ☐ ☐ ☐
3. Samples preserved properly: ☒ ☐ ☐
4. VOCs headspace free: ☐ ☐ ☐

Sample Integrity - Documentation

Y or N

1. Sample labels present on bottles: ☒ ☐
2. Container labeling complete: ☒ ☐
3. Sample container label / COC agree: ☒ ☐

Sample Integrity - Condition

Y or N

1. Sample recvd within HT: ☐ ☒
2. All containers accounted for: ☒ ☐
3. Condition of sample: ☐ ☐ Intact

Sample Integrity - Instructions

Y or N N/A

1. Analysis requested is clear: ☒ ☐
2. Bottles received for unspecified tests: ☐ ☒
3. Sufficient volume recvd for analysis: ☒ ☐
4. Compositing instructions clear: ☐ ☐ ☒
5. Filtering instructions clear: ☐ ☐ ☒

Test Strip Lot #s:

pH 1-12: _____

pH 12+: _____

Other: (Specify) _____

Comments

All samples out of hold for NO3/NO2.

DA68005: Chain of Custody

Page 5 of 6

Responded to by: PP

Response Date: 10/14/2024

Please send them to Dayton using the EPA 353.2/LACHAT method per client David R. Stewart

4.1

4

DA68005: Chain of Custody
Page 6 of 6

Metals Analysis

5

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA68005
Account: STEWC0FC - Stewart Environmental
Project: Bernardt S&G

QC Batch ID: MP40278
Matrix Type: AQUEOUS

Methods: EPA 245.1
Units: ug/l

Prep Date: 10/21/24

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.10	.015	.05	0.011	<0.10

Associated samples MP40278: DA68005-1F, DA68005-2F, DA68005-3F, DA68005-4F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA68005
 Account: STEWC0FC - Stewart Environmental
 Project: Bernardt S&G

QC Batch ID: MP40278
 Matrix Type: AQUEOUS

Methods: EPA 245.1
 Units: ug/l

Prep Date: 10/21/24

Metal	DA68004-1F Original MS	SpikeLot HGWSR1	% Rec	QC Limits
Mercury	0.0 1.2	1	120.0	70-130

Associated samples MP40278: DA68005-1F, DA68005-2F, DA68005-3F, DA68005-4F

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA68005
 Account: STEWCOFC - Stewart Environmental
 Project: Bernardt S&G

QC Batch ID: MP40278
 Matrix Type: AQUEOUS

Methods: EPA 245.1
 Units: ug/l

Prep Date: 10/21/24

Metal	DA68004-1F Original	MSD	SpikeLot HGWSR1	% Rec	MSD RPD	QC Limit
Mercury	0.0	1.2	1	120.0	0.0	20

Associated samples MP40278: DA68005-1F, DA68005-2F, DA68005-3F, DA68005-4F

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA68005
Account: STEWC0FC - Stewart Environmental
Project: Bernardt S&G

QC Batch ID: MP40278
Matrix Type: AQUEOUS

Methods: EPA 245.1
Units: ug/l

Prep Date: 10/21/24

Metal	BSP Result	SpikeLot HGWSR1	% Rec	QC Limits
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Mercury 1.1 1 110.0 85-115

Associated samples MP40278: DA68005-1F, DA68005-2F, DA68005-3F, DA68005-4F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA68005
Account: STEWC0FC - Stewart Environmental
Project: Bernardt S&G

QC Batch ID: MP40286
Matrix Type: AQUEOUS

Methods: EPA 200.8
Units: ug/l

Prep Date: 10/18/24

Metal	RL	IDL	MDL	MB raw	final
Aluminum	50	.52	10	1.2	<50
Antimony	0.40	.01	.3	-0.018	<0.40
Arsenic	0.20	.05	.05	-0.0016	<0.20
Barium	2.0	.096	.3	0.016	<2.0
Beryllium	0.20	.077	.1	-0.0052	<0.20
Boron	40	18	10	2.4	<40
Cadmium	0.10	.03	.05	0.000044	<0.10
Calcium	400	25	60		
Chromium	2.0	.087	.27	0.019	<2.0
Cobalt	0.20	.04	.05	-0.0043	<0.20
Copper	2.0	.05	1.5	0.030	<2.0
Iron	20	1.6	10	-0.41	<20
Lead	0.50	.094	.13	-0.012	<0.50
Magnesium	100	10	20		
Manganese	1.0	.079	.51	0.017	<1.0
Molybdenum	1.0	.037	.2	0.019	<1.0
Nickel	2.0	.098	.5	-0.0068	<2.0
Phosphorus	60	7.6	25		
Potassium	200	2	50		
Selenium	0.40	.05	.1	0.0057	<0.40
Silver	0.10	.0081	.025	0.0015	<0.10
Sodium	500	10	70		
Strontium	20	.1	5		
Thallium	0.20	.032	.05	-0.014	<0.20
Tin	10	.22	2.5		
Titanium	2.0	.05	.5		
Uranium	0.20	.015	.05	0.0014	<0.20
Vanadium	1.0	.14	.2	-0.0057	<1.0
Zinc	10	.05	2	0.21	<10

Associated samples MP40286: DA68005-1F, DA68005-2F, DA68005-3F, DA68005-4F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA68005
Account: STEWC0FC - Stewart Environmental
Project: Bernardt S&G

QC Batch ID: MP40286
Matrix Type: AQUEOUS

Methods: EPA 200.8
Units: ug/l

Prep Date: 10/18/24

Metal	DA67978-1F Original MS		SpikeLot ICPMS5	% Rec	QC Limits
Aluminum	4.2	892	1000	88.8	70-130
Antimony	1.2	113	100	111.8	70-130
Arsenic	0.90	204	200	101.6	70-130
Barium	41.4	431	400	97.4	70-130
Beryllium	0.0	102	100	102.0	70-130
Boron	134	577	400	110.8	70-130
Cadmium	0.0	101	100	101.0	70-130
Calcium					
Chromium	0.29	91.3	100	91.0	70-130
Cobalt	0.19	97.3	100	97.1	70-130
Copper	6.2	105	100	98.8	70-130
Iron	23.5	1010	1000	98.7	70-130
Lead	0.10	199	200	99.5	70-130
Magnesium					
Manganese	1.4	200	200	99.3	70-130
Molybdenum	2.9	104	100	101.1	70-130
Nickel	0.95	96.9	100	96.0	70-130
Phosphorus					
Potassium					
Selenium	0.38	200	200	99.8	70-130
Silver	0.0	38.7	40	96.8	70-130
Sodium					
Strontium					
Thallium	0.12	202	200	100.9	70-130
Tin					
Titanium					
Uranium	4.8	203	200	99.1	70-130
Vanadium	0.98	91.9	100	90.9	70-130
Zinc	18.8	116	100	97.2	70-130

Associated samples MP40286: DA68005-1F, DA68005-2F, DA68005-3F, DA68005-4F

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA68005
 Account: STEWC0FC - Stewart Environmental
 Project: Bernardt S&G

QC Batch ID: MP40286
 Matrix Type: AQUEOUS

Methods: EPA 200.8
 Units: ug/l

Prep Date: 10/18/24

Metal	DA67978-1F Original	MSD	Spikelet ICPMS5	% Rec	MSD RPD	QC Limit
Aluminum	4.2	885	1000	88.1	0.8	20
Antimony	1.2	111	100	109.8	2.0	20
Arsenic	0.90	203	200	101.1	0.5	20
Barium	41.4	433	400	97.9	0.5	20
Beryllium	0.0	101	100	101.0	1.0	20
Boron	134	581	400	111.8	0.7	20
Cadmium	0.0	101	100	101.0	0.0	20
Calcium						
Chromium	0.29	91.5	100	91.2	0.2	20
Cobalt	0.19	97.6	100	97.4	0.3	20
Copper	6.2	104	100	97.8	1.0	20
Iron	23.5	1010	1000	98.7	0.0	20
Lead	0.10	198	200	99.0	0.5	20
Magnesium						
Manganese	1.4	201	200	99.8	0.5	20
Molybdenum	2.9	105	100	102.1	1.0	20
Nickel	0.95	97.5	100	96.6	0.6	20
Phosphorus						
Potassium						
Selenium	0.38	199	200	99.3	0.5	20
Silver	0.0	39.1	40	97.8	1.0	20
Sodium						
Strontium						
Thallium	0.12	201	200	100.4	0.5	20
Tin						
Titanium						
Uranium	4.8	201	200	98.1	1.0	20
Vanadium	0.98	92.1	100	91.1	0.2	20
Zinc	18.8	115	100	96.2	0.9	20

Associated samples MP40286: DA68005-1F, DA68005-2F, DA68005-3F, DA68005-4F

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA68005
Account: STEWC0FC - Stewart Environmental
Project: Bernardt S&G

QC Batch ID: MP40286
Matrix Type: AQUEOUS

Methods: EPA 200.8
Units: ug/l

Prep Date: 10/18/24

Metal	BSP Result	SpikeLot ICPMS5	% Rec	QC Limits
Aluminum	976	1000	97.6	85-115
Antimony	111	100	111.0	85-115
Arsenic	205	200	102.5	85-115
Barium	386	400	96.5	85-115
Beryllium	101	100	101.0	85-115
Boron	420	400	105.0	85-115
Cadmium	102	100	102.0	85-115
Calcium				
Chromium	103	100	103.0	85-115
Cobalt	98.4	100	98.4	85-115
Copper	99.7	100	99.7	85-115
Iron	978	1000	97.8	85-115
Lead	196	200	98.0	85-115
Magnesium				
Manganese	201	200	100.5	85-115
Molybdenum	99.2	100	99.2	85-115
Nickel	97.8	100	97.8	85-115
Phosphorus				
Potassium				
Selenium	205	200	102.5	85-115
Silver	40.1	40	100.3	85-115
Sodium				
Strontium				
Thallium	196	200	98.0	85-115
Tin				
Titanium				
Uranium	189	200	94.5	85-115
Vanadium	103	100	103.0	85-115
Zinc	102	100	102.0	85-115

Associated samples MP40286: DA68005-1F, DA68005-2F, DA68005-3F, DA68005-4F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA68005
Account: STEWC0FC - Stewart Environmental
Project: Bernardt S&G

QC Batch ID: MP40316
Matrix Type: AQUEOUS

Methods: EPA 200.7
Units: ug/l

Prep Date: 10/18/24

Metal	RL	IDL	MDL	MB raw	final
Aluminum	100	46	50		
Antimony	30	14	20		
Arsenic	25	22	7		
Barium	10	.3	3		
Beryllium	10	1	2		
Boron	50	3.3	10		
Cadmium	10	1.9	5		
Calcium	400	6.6	61		
Chromium	10	1.1	2		
Cobalt	5.0	2.7	4		
Copper	10	4.6	6		
Iron	20	8.9	10		
Lead	50	13	15		
Lithium	5.0	.6	4	13.5	* (a)
Magnesium	200	50	40		
Manganese	5.0	.5	1		
Molybdenum	10	8.5	3		
Nickel	30	6.2	10		
Phosphorus	150	91	110		
Potassium	1000	84	300		
Selenium	50	30	30		
Silicon	200	41	150		
Silver	30	.6	5		
Sodium	400	13	150		
Strontium	5.0	.1	1		
Thallium	12	17	11		
Tin	60	41	51		
Titanium	10	.5	2		
Uranium	50	3.9	20		
Vanadium	10	.9	2		
Zinc	30	9	7		

Associated samples MP40316: DA68005-1F, DA68005-2F, DA68005-3F, DA68005-4F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA68005
Account: STEWC0FC - Stewart Environmental
Project: Bernardt S&G

QC Batch ID: MP40316
Matrix Type: AQUEOUS

Methods: EPA 200.7
Units: ug/l

Prep Date: 10/18/24

Metal	RL	IDL	MDL	MB raw	final
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(anr) Analyte not requested

(a) Element detected in the MB greater than 1/2 the reporting limit. Reported samples are below the project screening limit.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA68005
Account: STEWC0FC - Stewart Environmental
Project: Bernardt S&G

QC Batch ID: MP40316
Matrix Type: AQUEOUS

Methods: EPA 200.7
Units: ug/l

Prep Date: 10/18/24

Metal	DA68166-29 Original MS		SpikeLot ICPALL5 % Rec		QC Limits
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Boron					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Lithium	24.8	226	200	100.6	70-130
Magnesium					
Manganese					
Molybdenum					
Nickel					
Phosphorus					
Potassium					
Selenium					
Silicon					
Silver					
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc					

Associated samples MP40316: DA68005-1F, DA68005-2F, DA68005-3F, DA68005-4F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

5.3.2
5

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA68005
Account: STEWC0FC - Stewart Environmental
Project: Bernardt S&G

QC Batch ID: MP40316
Matrix Type: AQUEOUS

Methods: EPA 200.7
Units: ug/l

Prep Date: 10/18/24

Metal	DA68166-29 Original MS	SpikeLot ICPALL5	% Rec	QC Limits
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(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

5.3.2
5

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA68005
Account: STEWC0FC - Stewart Environmental
Project: Bernardt S&G

QC Batch ID: MP40316
Matrix Type: AQUEOUS

Methods: EPA 200.7
Units: ug/l

Prep Date: 10/18/24

Metal	DA68166-29 Original	MSD	SpikeLot ICPALL5	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Boron						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Lithium	24.8	227	200	101.1	0.4	20
Magnesium						
Manganese						
Molybdenum						
Nickel						
Phosphorus						
Potassium						
Selenium						
Silicon						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc						

Associated samples MP40316: DA68005-1F, DA68005-2F, DA68005-3F, DA68005-4F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA68005
Account: STEWC0FC - Stewart Environmental
Project: Bernardt S&G

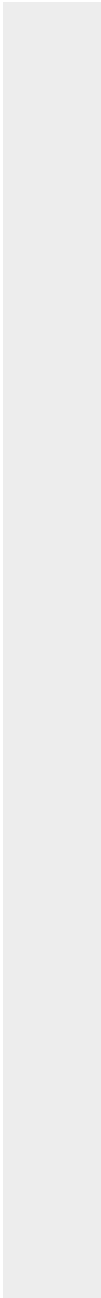
QC Batch ID: MP40316
Matrix Type: AQUEOUS

Methods: EPA 200.7
Units: ug/l

Prep Date: 10/18/24

Metal	DA68166-29 Original MSD	SpikeLot ICPALL5 % Rec	MSD RPD	QC Limit
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(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested



5.3.2
5

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA68005
Account: STEWC0FC - Stewart Environmental
Project: Bernardt S&G

QC Batch ID: MP40316
Matrix Type: AQUEOUS

Methods: EPA 200.7
Units: ug/l

Prep Date: 10/18/24

Metal	BSP Result	SpikeLot ICPALL5	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium	217	200	108.5	85-115
Magnesium				
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP40316: DA68005-1F, DA68005-2F, DA68005-3F, DA68005-4F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

5.3.3
5

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA68005
Account: STEWC0FC - Stewart Environmental
Project: Bernardt S&G

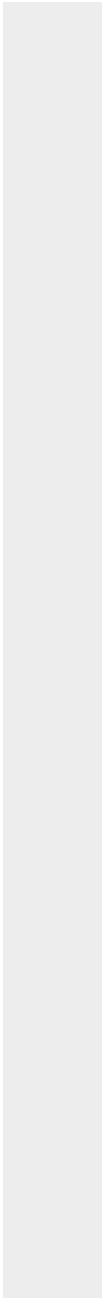
QC Batch ID: MP40316
Matrix Type: AQUEOUS

Methods: EPA 200.7
Units: ug/l

Prep Date: 10/18/24

Metal	BSP Result	SpikeLot ICPALL5	% Rec	QC Limits
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(anr) Analyte not requested



5.3.3
5

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA68005
Account: STEWCOFC - Stewart Environmental
Project: Bernardt S&G

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chloride	GP37556/GN64998	0.50	0.0	mg/l	5	5.00	100.0	90-110%
Fluoride	GP37556/GN64998	0.10	0.0	mg/l	1	1.01	101.0	90-110%
Nitrogen, Nitrate	GP37556/GN64998	0.010	0.0	mg/l	0.1	0.102	102.0	90-110%
Solids, Total Dissolved	GN65007	10	0.0	mg/l	250	984	98.4	90-110%
Sulfate	GP37556/GN64998	0.50	0.0	mg/l	5	4.93	98.6	90-110%

Associated Samples:

Batch GN65007: DA68005-1, DA68005-2, DA68005-3, DA68005-4

Batch GP37556: DA68005-1, DA68005-2, DA68005-3, DA68005-4

(*) Outside of QC limits

6.1

6

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA68005
Account: STEWCOFC - Stewart Environmental
Project: Bernardt S&G

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Solids, Total Dissolved	GN65007	DA68075-3	mg/l	8110	8580	5.6*(a)	0-5.44%

Associated Samples:

Batch GN65007: DA68005-1, DA68005-2, DA68005-3, DA68005-4

(*) Outside of QC limits

(a) High RPD due to possible sample nonhomogeneity.

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA68005
Account: STEWCOFC - Stewart Environmental
Project: Bernardt S&G

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chloride	GP37556/GN64998	DA68005-4	mg/l	119	50	167	96.0	80-120%
Fluoride	GP37556/GN64998	DA68005-4	mg/l	0.87	10	11.3	104.3	80-120%
Nitrogen, Nitrate	GP37556/GN64998	DA68005-4	mg/l	0.34	1	3.0	100.0	80-120%
Nitrogen, Nitrate	GP37556/GN64998	DA68005-4	mg/l	2.0	1	3.0	100.0	80-120%
Sulfate	GP37556/GN64998	DA68005-4	mg/l	205	50	256	102.0	80-120%

Associated Samples:

Batch GP37556: DA68005-1, DA68005-2, DA68005-3, DA68005-4

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA68005
Account: STEWCOFC - Stewart Environmental
Project: Bernardt S&G

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Chloride	GP37556/GN64998	DA68005-4	mg/l	119	50	167	0.0	20%
Fluoride	GP37556/GN64998	DA68005-4	mg/l	0.87	10	11.2	0.9	20%
Nitrogen, Nitrate	GP37556/GN64998	DA68005-4	mg/l	0.34	1	3.0	0.0	20%
Nitrogen, Nitrate	GP37556/GN64998	DA68005-4	mg/l	2.0	1	3.0	0.0	20%
Sulfate	GP37556/GN64998	DA68005-4	mg/l	205	50	256	0.0	20%

Associated Samples:

Batch GP37556: DA68005-1, DA68005-2, DA68005-3, DA68005-4

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

6.4
6

Misc. Forms

Custody Documents and Other Forms

(SGS Dayton, NJ)

Includes the following where applicable:

- Chain of Custody

SGS Sample Receipt Summary

Job Number: DA68005

Client: SGS NORTH AMERICA INC.

Project: BERNARDT S&G

Date / Time Received: 10/16/2024 10:40:00 AM

Delivery Method: FEDEX

Airbill #s:

Cooler Temps (Raw Measured) °C: Cooler 1: (2.4);

Cooler Temps (Corrected) °C: Cooler 1: (2.8);

Cooler Security

Y or N

Y or N

- | | | | | | |
|---------------------------|-------------------------------------|--------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | ☒ | ☐ | 3. COC Present: | ☒ | ☐ |
| 2. Custody Seals Intact: | ☒ | ☐ | 4. Smpl Dates/Time OK | ☒ | ☐ |

Cooler Temperature

Y or N

- | | | |
|------------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | ☒ | ☐ |
| 2. Cooler temp verification: | IR-50 | |
| 3. Cooler media: | Ice (Bag) | |
| 4. No. Coolers: | 1 | |

Quality Control Preservation

Y or N

N/A

- | | | | |
|---------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Trip Blank present / cooler: | ☐ | ☒ | ☐ |
| 2. Trip Blank listed on COC: | ☐ | ☒ | ☐ |
| 3. Samples preserved properly: | ☒ | ☐ | |
| 4. VOCs headspace free: | ☐ | ☐ | ☒ |

Sample Integrity - Documentation

Y or N

- | | | |
|--|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles: | ☒ | ☐ |
| 2. Container labeling complete: | ☒ | ☐ |
| 3. Sample container label / COC agree: | ☒ | ☐ |

Sample Integrity - Condition

Y or N

- | | | |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT: | ☒ | ☐ |
| 2. All containers accounted for: | ☒ | ☐ |
| 3. Condition of sample: | Intact | |

Sample Integrity - Instructions

Y or N

N/A

- | | | | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear: | ☒ | ☐ | |
| 2. Bottles received for unspecified tests | ☐ | ☒ | |
| 3. Sufficient volume recvd for analysis: | ☒ | ☐ | |
| 4. Compositing instructions clear: | ☐ | ☐ | ☒ |
| 5. Filtering instructions clear: | ☐ | ☐ | ☒ |

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

DA68005: Chain of Custody

Page 2 of 2

General Chemistry

QC Data Summaries

(SGS Dayton, NJ)

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA68005
Account: ALMS - SGS Wheat Ridge, CO
Project: STEWC0FC: Bernardt S&G

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Nitrogen, Nitrate + Nitrite	GP57320/GN61131	0.10	0.0	mg/l	2	2.02	101.0	90-110%

Associated Samples:
Batch GP57320: DA68005-1, DA68005-2, DA68005-3, DA68005-4
(*) Outside of QC limits

8.1
8

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA68005
Account: ALMS - SGS Wheat Ridge, CO
Project: STEWC0FC: Bernardt S&G

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Nitrogen, Nitrate + Nitrite	GP57320/GN61131	JD97782-3	mg/l	0.0	0.0	0.0	0-20%

Associated Samples:

Batch GP57320: DA68005-1, DA68005-2, DA68005-3, DA68005-4
(*) Outside of QC limits

8.2

8

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA68005
Account: ALMS - SGS Wheat Ridge, CO
Project: STEWC0FC: Bernardt S&G

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Nitrogen, Nitrate + Nitrite	GP57320/GN61131	JD97782-3	mg/l	0.0	2	2.0	100.0	90-110%

Associated Samples:

Batch GP57320: DA68005-1, DA68005-2, DA68005-3, DA68005-4

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

8.3

8

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Stewart Environmental

Bernardt S&G

SGS Job Number: DA70094

Sampling Date: 01/22/25

Report to:

Stewart Environmental Consultants
3801 Automation Way Suite 200
Fort Collins, CO 80525
dave.stewart@stewartenv.com; jcyork@j-tconsulting.com
ATTN: Dave Stewart

Total number of pages in report: 46



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.



Eric Hoffman

Client Service contact: Parna Payandeh 303-425-6021

Certifications: CO (CO00049), ND (R-027), UT (NELAP CO00049), LA (LA150028), TX (T104704511), WY (8TMS-L) HI (CO00049), NJ (CO011), NV (CO00049), AK (CO00049), CA (3076), and NC (08701)

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Test results relate only to samples analyzed.

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Sample Summary

Stewart Environmental
Bernardt S&G

Job No: DA70094

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
DA70094-1	01/22/25	11:00 JS	01/24/25	AQ	Water	MW-1
DA70094-1F	01/22/25	11:00 JS	01/24/25	AQ	Water Filtered	MW-1
DA70094-2	01/22/25	16:00 JS	01/24/25	AQ	Water	MW-2
DA70094-2F	01/22/25	16:00 JS	01/24/25	AQ	Water Filtered	MW-2
DA70094-3	01/22/25	13:00 JS	01/24/25	AQ	Water	MW-3
DA70094-3F	01/22/25	13:00 JS	01/24/25	AQ	Water Filtered	MW-3
DA70094-4	01/22/25	14:30 JS	01/24/25	AQ	Water	MW-4
DA70094-4F	01/22/25	14:30 JS	01/24/25	AQ	Water Filtered	MW-4

Summary of Hits

Page 1 of 3

Job Number: DA70094
Account: Stewart Environmental
Project: Bernardt S&G
Collected: 01/22/25

2

Lab Sample ID	Client Sample ID	Result/ Analyte Qual	RL	MDL	Units	Method
DA70094-1	MW-1					
		Fluoride 1.2	0.50		mg/l	EPA 300.0
		Chloride 87.4	2.5		mg/l	EPA 300.0
		Sulfate 496	13		mg/l	EPA 300.0
		Nitrogen, Nitrate + Nitrite ^a 0.58	0.10		mg/l	EPA 353.2/LACHAT
		Nitrogen, Total Kjeldahl 0.26	0.20		mg/l	EPA 351.2
		Solids, Total Dissolved 991	10		mg/l	SM 2540C-2011
DA70094-1F	MW-1					
		Antimony ^b 0.42	0.40		ug/l	EPA 200.8
		Arsenic 0.27	0.20		ug/l	EPA 200.8
		Barium 27.2	2.0		ug/l	EPA 200.8
		Boron 205	40		ug/l	EPA 200.8
		Cobalt 1.7	0.20		ug/l	EPA 200.8
		Manganese 781	1.0		ug/l	EPA 200.8
		Molybdenum 8.4	1.0		ug/l	EPA 200.8
		Nickel 2.6	2.0		ug/l	EPA 200.8
		Selenium 5.1	0.40		ug/l	EPA 200.8
		Uranium 31.9	0.20		ug/l	EPA 200.8
DA70094-2	MW-2					
		Fluoride 1.1	0.50		mg/l	EPA 300.0
		Chloride 128	13		mg/l	EPA 300.0
		Sulfate 284	13		mg/l	EPA 300.0
		Nitrogen, Nitrate + Nitrite ^a 0.68	0.10		mg/l	EPA 353.2/LACHAT
		Nitrogen, Total Kjeldahl 0.63	0.20		mg/l	EPA 351.2
		Solids, Total Dissolved 767	10		mg/l	SM 2540C-2011
DA70094-2F	MW-2					
		Arsenic 0.40	0.20		ug/l	EPA 200.8
		Barium 36.9	2.0		ug/l	EPA 200.8
		Boron 222	40		ug/l	EPA 200.8
		Cobalt 1.8	0.20		ug/l	EPA 200.8
		Lithium 14.5	10		ug/l	EPA 200.7
		Manganese 358	1.0		ug/l	EPA 200.8
		Molybdenum 6.9	1.0		ug/l	EPA 200.8
		Nickel 3.5	2.0		ug/l	EPA 200.8
		Selenium 0.55	0.40		ug/l	EPA 200.8
		Uranium 25.4	0.20		ug/l	EPA 200.8

Summary of Hits

Job Number: DA70094
Account: Stewart Environmental
Project: Bernardt S&G
Collected: 01/22/25

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
---------------	------------------	-----------------	----	-----	-------	--------

DA70094-3 MW-3

Fluoride	1.3	0.50			mg/l	EPA 300.0
Chloride	164	13			mg/l	EPA 300.0
Sulfate	202	13			mg/l	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	0.43	0.10			mg/l	EPA 353.2/LACHAT
Nitrogen, Total Kjeldahl	0.30	0.20			mg/l	EPA 351.2
Solids, Total Dissolved	674	10			mg/l	SM 2540C-2011

DA70094-3F MW-3

Arsenic	0.20	0.20			ug/l	EPA 200.8
Barium	21.8	2.0			ug/l	EPA 200.8
Boron	200	40			ug/l	EPA 200.8
Cobalt	3.1	0.20			ug/l	EPA 200.8
Manganese	786	1.0			ug/l	EPA 200.8
Molybdenum	8.3	1.0			ug/l	EPA 200.8
Nickel	3.2	2.0			ug/l	EPA 200.8
Selenium	1.6	0.40			ug/l	EPA 200.8
Uranium	29.8	0.20			ug/l	EPA 200.8

DA70094-4 MW-4

Fluoride	0.95	0.50			mg/l	EPA 300.0
Chloride	108	13			mg/l	EPA 300.0
Sulfate	225	13			mg/l	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	1.0	0.10			mg/l	EPA 353.2/LACHAT
Nitrogen, Total Kjeldahl	0.21	0.20			mg/l	EPA 351.2
Solids, Total Dissolved	634	10			mg/l	SM 2540C-2011

DA70094-4F MW-4

Antimony ^b	0.63	0.40			ug/l	EPA 200.8
Arsenic	1.1	0.20			ug/l	EPA 200.8
Barium	44.3	2.0			ug/l	EPA 200.8
Boron	176	40			ug/l	EPA 200.8
Cobalt	1.3	0.20			ug/l	EPA 200.8
Lithium	21.1	10			ug/l	EPA 200.7
Manganese	247	1.0			ug/l	EPA 200.8
Molybdenum	5.9	1.0			ug/l	EPA 200.8
Nickel	2.1	2.0			ug/l	EPA 200.8
Selenium	1.7	0.40			ug/l	EPA 200.8
Uranium	13.4	0.20			ug/l	EPA 200.8

(a) Analysis performed at SGS Dayton, NJ.

Summary of Hits

Job Number: DA70094
Account: Stewart Environmental
Project: Bernardt S&G
Collected: 01/22/25

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Analyte						

(b) Associated blank spike biased high.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW-1	Date Sampled:	01/22/25
Lab Sample ID:	DA70094-1	Date Received:	01/24/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Bernardt S&G		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	1.2	0.50	mg/l	5	01/28/25 10:49	AM	EPA 300.0
Chloride	87.4	2.5	mg/l	5	01/28/25 10:49	AM	EPA 300.0
Sulfate	496	13	mg/l	25	01/28/25 13:06	AM	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	0.58	0.10	mg/l	1	01/30/25 16:36	ANJ	EPA 353.2/LACHAT
Nitrogen, Total Kjeldahl	0.26	0.20	mg/l	1	02/14/25 13:43	TH	EPA 351.2
Solids, Total Dissolved	991	10	mg/l	1	01/28/25 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-1

Lab Sample ID: DA70094-1F

Matrix: AQ - Water Filtered

Project: Bernardt S&G

Date Sampled: 01/22/25

Date Received: 01/24/25

Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 50	50	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Antimony ^a	0.42	0.40	ug/l	1	01/28/25	02/06/25	CDL EPA 200.8 ³	EPA 200.8 ⁶
Arsenic	0.27	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Barium	27.2	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Beryllium	< 0.20	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Boron	205	40	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cadmium	< 0.10	0.10	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Chromium	< 2.0	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cobalt	1.7	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Copper	< 2.0	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Iron	< 20	20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lead	< 0.50	0.50	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lithium	7.5	10	ug/l	1	01/28/25	02/10/25	CDL EPA 200.7 ⁴	EPA 200.7 ⁷
Manganese	781	1.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Mercury	< 0.10	0.10	ug/l	1	01/28/25	01/29/25	CDL EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	8.4	1.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Nickel	2.6	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Selenium	5.1	0.40	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Silver	< 0.10	0.10	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Thallium	< 0.20	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Uranium	31.9	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Vanadium	< 1.0	1.0	ug/l	1	01/28/25	02/06/25	CDL EPA 200.8 ³	EPA 200.8 ⁶
Zinc	< 10	10	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶

(1) Instrument QC Batch: MA18787

(2) Instrument QC Batch: MA18795

(3) Instrument QC Batch: MA18812

(4) Instrument QC Batch: MA18816

(5) Prep QC Batch: MP40695

(6) Prep QC Batch: MP40702

(7) Prep QC Batch: MP40756

(a) Associated blank spike biased high.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-2	Date Sampled:	01/22/25
Lab Sample ID:	DA70094-2	Date Received:	01/24/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Bernardt S&G		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	1.1	0.50	mg/l	5	01/28/25 10:58	AM	EPA 300.0
Chloride	128	13	mg/l	25	01/28/25 13:14	AM	EPA 300.0
Sulfate	284	13	mg/l	25	01/28/25 13:14	AM	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	0.68	0.10	mg/l	1	01/30/25 16:38	ANJ	EPA 353.2/LACHAT
Nitrogen, Total Kjeldahl	0.63	0.20	mg/l	1	02/14/25 13:44	TH	EPA 351.2
Solids, Total Dissolved	767	10	mg/l	1	01/28/25 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-2
Lab Sample ID: DA70094-2F
Matrix: AQ - Water Filtered
Project: Bernardt S&G

Date Sampled: 01/22/25
Date Received: 01/24/25
Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 50	50	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Antimony	< 0.40	0.40	ug/l	1	01/28/25	02/06/25	CDL EPA 200.8 ³	EPA 200.8 ⁶
Arsenic	0.40	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Barium	36.9	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Beryllium	< 0.20	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Boron	222	40	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cadmium	< 0.10	0.10	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Chromium	< 2.0	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cobalt	1.8	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Copper	< 2.0	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Iron	< 20	20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lead	< 0.50	0.50	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lithium	14.5	10	ug/l	1	01/28/25	02/10/25	CDL EPA 200.7 ⁴	EPA 200.7 ⁷
Manganese	358	1.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Mercury	< 0.10	0.10	ug/l	1	01/28/25	01/29/25	CDL EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	6.9	1.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Nickel	3.5	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Selenium	0.55	0.40	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Silver	< 0.10	0.10	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Thallium	< 0.20	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Uranium	25.4	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Vanadium	< 1.0	1.0	ug/l	1	01/28/25	02/06/25	CDL EPA 200.8 ³	EPA 200.8 ⁶
Zinc	< 10	10	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶

(1) Instrument QC Batch: MA18787

(2) Instrument QC Batch: MA18795

(3) Instrument QC Batch: MA18812

(4) Instrument QC Batch: MA18816

(5) Prep QC Batch: MP40695

(6) Prep QC Batch: MP40702

(7) Prep QC Batch: MP40756

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-3	Date Sampled:	01/22/25
Lab Sample ID:	DA70094-3	Date Received:	01/24/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Bernardt S&G		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	1.3	0.50	mg/l	5	01/28/25 11:06	AM	EPA 300.0
Chloride	164	13	mg/l	25	01/28/25 13:40	AM	EPA 300.0
Sulfate	202	13	mg/l	25	01/28/25 13:40	AM	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	0.43	0.10	mg/l	1	01/30/25 16:41	ANJ	EPA 353.2/LACHAT
Nitrogen, Total Kjeldahl	0.30	0.20	mg/l	1	02/14/25 13:44	TH	EPA 351.2
Solids, Total Dissolved	674	10	mg/l	1	01/28/25 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-3

Lab Sample ID: DA70094-3F

Matrix: AQ - Water Filtered

Project: Bernardt S&G

Date Sampled: 01/22/25

Date Received: 01/24/25

Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 50	50	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Antimony	< 0.40	0.40	ug/l	1	01/28/25	02/06/25	CDL EPA 200.8 ³	EPA 200.8 ⁶
Arsenic	0.20	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Barium	21.8	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Beryllium	< 0.20	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Boron	200	40	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cadmium	< 0.10	0.10	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Chromium	< 2.0	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cobalt	3.1	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Copper	< 2.0	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Iron	< 20	20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lead	< 0.50	0.50	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lithium	6.3	10	ug/l	1	01/28/25	02/10/25	CDL EPA 200.7 ⁴	EPA 200.7 ⁷
Manganese	786	1.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Mercury	< 0.10	0.10	ug/l	1	01/28/25	01/29/25	CDL EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	8.3	1.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Nickel	3.2	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Selenium	1.6	0.40	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Silver	< 0.10	0.10	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Thallium	< 0.20	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Uranium	29.8	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Vanadium	< 1.0	1.0	ug/l	1	01/28/25	02/06/25	CDL EPA 200.8 ³	EPA 200.8 ⁶
Zinc	< 10	10	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶

(1) Instrument QC Batch: MA18787

(2) Instrument QC Batch: MA18795

(3) Instrument QC Batch: MA18812

(4) Instrument QC Batch: MA18816

(5) Prep QC Batch: MP40695

(6) Prep QC Batch: MP40702

(7) Prep QC Batch: MP40756

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-4	Date Sampled:	01/22/25
Lab Sample ID:	DA70094-4	Date Received:	01/24/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Bernardt S&G		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	0.95	0.50	mg/l	5	01/28/25 11:15	AM	EPA 300.0
Chloride	108	13	mg/l	25	01/28/25 13:49	AM	EPA 300.0
Sulfate	225	13	mg/l	25	01/28/25 13:49	AM	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	1.0	0.10	mg/l	1	01/30/25 16:44	ANJ	EPA 353.2/LACHAT
Nitrogen, Total Kjeldahl	0.21	0.20	mg/l	1	02/14/25 13:45	TH	EPA 351.2
Solids, Total Dissolved	634	10	mg/l	1	01/28/25 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-4

Lab Sample ID: DA70094-4F

Matrix: AQ - Water Filtered

Project: Bernardt S&G

Date Sampled: 01/22/25

Date Received: 01/24/25

Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 50	50	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Antimony ^a	0.63	0.40	ug/l	1	01/28/25	02/06/25	CDL EPA 200.8 ³	EPA 200.8 ⁶
Arsenic	1.1	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Barium	44.3	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Beryllium	< 0.20	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Boron	176	40	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cadmium	< 0.10	0.10	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Chromium	< 2.0	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cobalt	1.3	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Copper	< 2.0	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Iron	< 20	20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lead	< 0.50	0.50	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lithium	21.1	10	ug/l	1	01/28/25	02/10/25	CDL EPA 200.7 ⁴	EPA 200.7 ⁷
Manganese	247	1.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Mercury	< 0.10	0.10	ug/l	1	01/28/25	01/29/25	CDL EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	5.9	1.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Nickel	2.1	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Selenium	1.7	0.40	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Silver	< 0.10	0.10	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Thallium	< 0.20	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Uranium	13.4	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Vanadium	< 1.0	1.0	ug/l	1	01/28/25	02/06/25	CDL EPA 200.8 ³	EPA 200.8 ⁶
Zinc	< 10	10	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶

(1) Instrument QC Batch: MA18787

(2) Instrument QC Batch: MA18795

(3) Instrument QC Batch: MA18812

(4) Instrument QC Batch: MA18816

(5) Prep QC Batch: MP40695

(6) Prep QC Batch: MP40702

(7) Prep QC Batch: MP40756

(a) Associated blank spike biased high.

RL = Reporting Limit



Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

SGS North America Inc. - Wheat Ridge
4036 Youngfield Street, Wheat Ridge, CO 80033
TEL: 303-425-6021 FAX: 303-425-6854
www.sgs.com/ehsusa

[illegible]

Current Regular COC 23MAY23.xls; FORM: EHSA-QAC-0027-01-FORM-Wheat Ridge - COC; RV 9/2/21

DA70094: Chain of Custody

Page 1 of 2

SGS Sample Receipt Summary

Job Number: da70094

Client: STEWART

Project: BERUARDT

Date / Time Received: 1/24/2025 3:15:00 PM

Delivery Method: hd

Airbill #'s:

Cooler Temps (Raw Measured) °C: Cooler 1: (2.0);

Cooler Temps (Corrected) °C: Cooler 1: (2.0);

Cooler Informatio

Y or N

1. Custody Seals Present: ☒ ☐
2. Custody Seals Intact: ☒ ☐
3. Temp criteria achieved: ☒ ☐
4. Cooler temp verification: IR Gun
5. Cooler media: Ice (Bag)

Trip Blank Information

Y or N N/A

1. Trip Blank present / cooler: ☐ ☐ ☒
2. Trip Blank listed on COC: ☐ ☐ ☒

W or S N/A

3. Type of TB Received ☐ ☐ ☐

Sample Information

Y or N N/A

1. Sample labels present on bottles: ☒ ☐
2. Samples presented properly ☒ ☐
3. Sufficient volume/containers rec'd for analysi ☒ ☐
4. Condition of sample: Intact
5. Sample rec'd within HT ☒ ☐
6. Dates/Times/IDs on COC match sample labe ☐ ☐
7. VOCs have headspace ☐ ☐ ☒
8. Bottles received for unspecified tests ☐ ☒
9. Compositing instructions clear ☐ ☐ ☒
10. Voa Soil Kits/Jars received past 48hrs? ☐ ☐ ☐
11. % Solids Jar Received? ☐ ☐ ☐
12. Residual Chlorine Present? ☐ ☐ ☐

Misc Information

Number of Encores: 25 Gram 5 Gram

Number of Lab Filtered Metals

Test Strip Lot #: pH 0-3: _____

pH 10-12: _____ Other: (Specify) _____

Residual Chlorine Test Strip Lot _____

Comments

SM001

Rev. Date 05/04/17

Technician: JEREMYD

Date: 1/24/2025 4:02:11 PM

Reviewer:

Date:

DA70094: Chain of Custody

Page 2 of 2

Metals Analysis

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QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA70094
Account: STEWC0FC - Stewart Environmental
Project: Bernardt S&G

QC Batch ID: MP40695
Matrix Type: AQUEOUS

Methods: EPA 245.1
Units: ug/l

Prep Date: 01/28/25

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.10	.015	.05	-0.014	<0.10

Associated samples MP40695: DA70094-1F, DA70094-2F, DA70094-3F, DA70094-4F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA70094
 Account: STEWC0FC - Stewart Environmental
 Project: Bernardt S&G

QC Batch ID: MP40695
 Matrix Type: AQUEOUS

Methods: EPA 245.1
 Units: ug/l

Prep Date: 01/28/25

Metal	DA70094-4F		SpikeLot		QC
	Original	MS	HGWSR1	% Rec	Limits
Mercury	0.0	1.2	1	120.0	70-130

Associated samples MP40695: DA70094-1F, DA70094-2F, DA70094-3F, DA70094-4F

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA70094
 Account: STEWCOFC - Stewart Environmental
 Project: Bernardt S&G

QC Batch ID: MP40695
 Matrix Type: AQUEOUS

Methods: EPA 245.1
 Units: ug/l

Prep Date: 01/28/25

Metal	DA70094-4F Original	MSD	SpikeLot HGWSR1	% Rec	MSD RPD	QC Limit
Mercury	0.0	1.2	1	120.0	0.0	20

Associated samples MP40695: DA70094-1F, DA70094-2F, DA70094-3F, DA70094-4F

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA70094
Account: STEWC0FC - Stewart Environmental
Project: Bernardt S&G

QC Batch ID: MP40695
Matrix Type: AQUEOUS

Methods: EPA 245.1
Units: ug/l

Prep Date: 01/28/25

Metal	BSP Result	SpikeLot HGWSR1	% Rec	QC Limits
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Mercury 1.1 1 110.0 85-115

Associated samples MP40695: DA70094-1F, DA70094-2F, DA70094-3F, DA70094-4F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

5.1.3
5

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA70094
Account: STEWC0FC - Stewart Environmental
Project: Bernardt S&G

QC Batch ID: MP40702
Matrix Type: AQUEOUS

Methods: EPA 200.8
Units: ug/l

Prep Date: 01/28/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	50	.52	10	4.2	<50
Antimony	0.40	.01	.3	0.013	<0.40
Arsenic	0.20	.05	.05	0.0052	<0.20
Barium	2.0	.096	.3	0.060	<2.0
Beryllium	0.20	.077	.1	0.00099	<0.20
Boron	40	18	10	9.9	<40
Cadmium	0.10	.03	.05	0.0016	<0.10
Calcium	400	25	60		
Chromium	2.0	.087	.27	-0.011	<2.0
Cobalt	0.20	.04	.05	-0.0029	<0.20
Copper	2.0	.05	1.5	0.85	<2.0
Iron	20	1.6	10	4.1	<20
Lead	0.50	.094	.13	-0.0011	<0.50
Magnesium	100	10	20		
Manganese	1.0	.079	.51	0.051	<1.0
Molybdenum	1.0	.037	.2	-0.067	<1.0
Nickel	2.0	.098	.5	0.013	<2.0
Phosphorus	60	7.6	25		
Potassium	200	2	50		
Selenium	0.40	.05	.1	-0.00099	<0.40
Silver	0.10	.0081	.025	-0.00038	<0.10
Sodium	500	10	70		
Strontium	20	.1	5		
Thallium	0.20	.032	.05	-0.0034	<0.20
Tin	10	.22	2.5		
Titanium	2.0	.05	.5		
Uranium	0.20	.015	.05	0.014	<0.20
Vanadium	1.0	.14	.2	-0.038	<1.0
Zinc	10	.05	2	1.4	<10

Associated samples MP40702: DA70094-1F, DA70094-2F, DA70094-3F, DA70094-4F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA70094
 Account: STEWC0FC - Stewart Environmental
 Project: Bernardt S&G

QC Batch ID: MP40702
 Matrix Type: AQUEOUS

Methods: EPA 200.8
 Units: ug/l

Prep Date: 01/28/25

Metal	DA70095-4F Original MS		Spikelet ICPMS5	% Rec	QC Limits
Aluminum	6.0	845	1000	83.9	70-130
Antimony	0.22	119	100	118.8	70-130
Arsenic	0.28	196	200	97.9	70-130
Barium	42.0	400	400	89.9	70-130
Beryllium	0.0	95.4	100	95.4	70-130
Boron	205	609	400	101.0	70-130
Cadmium	0.0	96.4	100	96.4	70-130
Calcium					
Chromium	0.15	92.2	100	92.1	70-130
Cobalt	0.32	95.8	100	95.5	70-130
Copper	2.3	95.5	100	93.2	70-130
Iron	6.7	918	1000	91.2	70-130
Lead	0.0	203	200	101.5	70-130
Magnesium					
Manganese	13.4	210	200	98.3	70-130
Molybdenum	1.9	99.9	100	98.1	70-130
Nickel	1.8	93.9	100	92.2	70-130
Phosphorus					
Potassium					
Selenium	0.31	190	200	94.8	70-130
Silver	0.0	37.4	40	93.5	70-130
Sodium					
Strontium					
Thallium	0.032	203	200	101.5	70-130
Tin					
Titanium					
Uranium	14.7	208	200	96.9	70-130
Vanadium	0.59	93.4	100	92.8	70-130
Zinc	2.8	94.2	100	91.4	70-130

Associated samples MP40702: DA70094-1F, DA70094-2F, DA70094-3F, DA70094-4F

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA70094
Account: STEWC0FC - Stewart Environmental
Project: Bernardt S&G

QC Batch ID: MP40702
Matrix Type: AQUEOUS

Methods: EPA 200.8
Units: ug/l

Prep Date: 01/28/25

Metal	DA70095-4F Original	MSD	Spikelet ICPMS5	% Rec	MSD RPD	QC Limit
Aluminum	6.0	875	1000	86.9	3.5	20
Antimony	0.22	118	100	117.8	0.8	20
Arsenic	0.28	199	200	99.4	1.5	20
Barium	42.0	407	400	91.7	1.7	20
Beryllium	0.0	98.8	100	98.8	3.5	20
Boron	205	621	400	104.0	2.0	20
Cadmium	0.0	95.8	100	95.8	0.6	20
Calcium						
Chromium	0.15	92.1	100	92.0	0.1	20
Cobalt	0.32	95.8	100	95.5	0.0	20
Copper	2.3	95.1	100	92.8	0.4	20
Iron	6.7	947	1000	94.1	3.1	20
Lead	0.0	202	200	101.0	0.5	20
Magnesium						
Manganese	13.4	208	200	97.3	1.0	20
Molybdenum	1.9	99.7	100	97.9	0.2	20
Nickel	1.8	93.2	100	91.5	0.7	20
Phosphorus						
Potassium						
Selenium	0.31	194	200	96.8	2.1	20
Silver	0.0	36.9	40	92.3	1.3	20
Sodium						
Strontium						
Thallium	0.032	202	200	101.0	0.5	20
Tin						
Titanium						
Uranium	14.7	214	200	99.9	2.8	20
Vanadium	0.59	93.3	100	92.7	0.1	20
Zinc	2.8	96.6	100	93.8	2.5	20

Associated samples MP40702: DA70094-1F, DA70094-2F, DA70094-3F, DA70094-4F

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA70094
 Account: STEWC0FC - Stewart Environmental
 Project: Bernardt S&G

QC Batch ID: MP40702
 Matrix Type: AQUEOUS

Methods: EPA 200.8
 Units: ug/l

Prep Date: 01/28/25

Metal	BSP Result	SpikeLot ICPMS5	% Rec	QC Limits
Aluminum	933	1000	93.3	85-115
Antimony	121	100	121.0*(a)	85-115
Arsenic	205	200	102.5	85-115
Barium	374	400	93.5	85-115
Beryllium	96.2	100	96.2	85-115
Boron	407	400	101.8	85-115
Cadmium	97.9	100	97.9	85-115
Calcium				
Chromium	99.6	100	99.6	85-115
Cobalt	98.1	100	98.1	85-115
Copper	98.4	100	98.4	85-115
Iron	939	1000	93.9	85-115
Lead	199	200	99.5	85-115
Magnesium				
Manganese	194	200	97.0	85-115
Molybdenum	95.3	100	95.3	85-115
Nickel	96.2	100	96.2	85-115
Phosphorus				
Potassium				
Selenium	201	200	100.5	85-115
Silver	39.2	40	98.0	85-115
Sodium				
Strontium				
Thallium	198	200	99.0	85-115
Tin				
Titanium				
Uranium	189	200	94.5	85-115
Vanadium	97.9	100	97.9	85-115
Zinc	101	100	101.0	85-115

Associated samples MP40702: DA70094-1F, DA70094-2F, DA70094-3F, DA70094-4F

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

(a) Outside control limits biased high. Reported samples are ND or below project screening limits.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA70094
Account: STEWC0FC - Stewart Environmental
Project: Bernardt S&G

QC Batch ID: MP40756
Matrix Type: AQUEOUS

Methods: EPA 200.7
Units: ug/l

Prep Date: 01/28/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	100	46	50		
Antimony	30	14	20		
Arsenic	25	22	7		
Barium	10	.3	3		
Beryllium	10	1	2		
Boron	50	3.3	10		
Cadmium	10	1.9	5		
Calcium	400	6.6	61		
Chromium	10	1.1	2		
Cobalt	5.0	2.7	4		
Copper	10	4.6	6		
Iron	20	8.9	10		
Lead	50	13	15		
Lithium	10	.6	4	0.0	<10
Magnesium	200	50	40		
Manganese	5.0	.5	1		
Molybdenum	10	8.5	3		
Nickel	30	6.2	10		
Phosphorus	150	91	110		
Potassium	1000	84	300		
Selenium	50	30	30		
Silicon	200	41	150		
Silver	30	.6	5		
Sodium	400	13	150		
Strontium	5.0	.1	1		
Thallium	12	17	11		
Tin	60	41	51		
Titanium	10	.5	2		
Uranium	50	3.9	20		
Vanadium	10	.9	2		
Zinc	30	9	7		

Associated samples MP40756: DA70094-1F, DA70094-2F, DA70094-3F, DA70094-4F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA70094
Account: STEWC0FC - Stewart Environmental
Project: Bernardt S&G

QC Batch ID: MP40756
Matrix Type: AQUEOUS

Methods: EPA 200.7
Units: ug/l

Prep Date: 01/28/25

Metal	RL	IDL	MDL	MB raw	final
-------	----	-----	-----	-----------	-------

(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA70094
Account: STEWC0FC - Stewart Environmental
Project: Bernardt S&G

QC Batch ID: MP40756
Matrix Type: AQUEOUS

Methods: EPA 200.7
Units: ug/l

Prep Date: 01/28/25

Metal	DA70095-4F Original MS		SpikeLot ICPALL5 % Rec		QC Limits
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Boron					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Lithium	11.9	226	200	107.1	70-130
Magnesium					
Manganese					
Molybdenum					
Nickel					
Phosphorus					
Potassium					
Selenium					
Silicon					
Silver					
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc					

Associated samples MP40756: DA70094-1F, DA70094-2F, DA70094-3F, DA70094-4F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

5.3.2
5

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA70094
Account: STEWC0FC - Stewart Environmental
Project: Bernardt S&G

QC Batch ID: MP40756
Matrix Type: AQUEOUS

Methods: EPA 200.7
Units: ug/l

Prep Date: 01/28/25

Metal	DA70095-4F Original MS	SpikeLot ICPALL5	% Rec	QC Limits
-------	---------------------------	---------------------	-------	--------------

(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

5.3.2
5

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA70094
Account: STEWC0FC - Stewart Environmental
Project: Bernardt S&G

QC Batch ID: MP40756
Matrix Type: AQUEOUS

Methods: EPA 200.7
Units: ug/l

Prep Date: 01/28/25

Metal	DA70095-4F Original	MSD	SpikeLot ICPALL5	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Boron						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Lithium	11.9	211	200	99.6	6.9	20
Magnesium						
Manganese						
Molybdenum						
Nickel						
Phosphorus						
Potassium						
Selenium						
Silicon						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc						

Associated samples MP40756: DA70094-1F, DA70094-2F, DA70094-3F, DA70094-4F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA70094
Account: STEWC0FC - Stewart Environmental
Project: Bernardt S&G

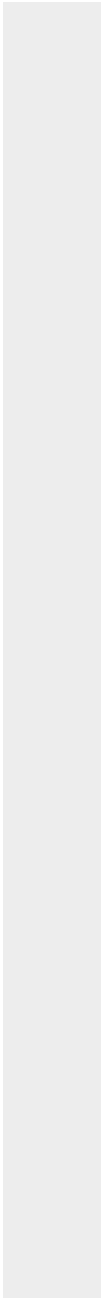
QC Batch ID: MP40756
Matrix Type: AQUEOUS

Methods: EPA 200.7
Units: ug/l

Prep Date: 01/28/25

Metal	DA70095-4F Original MSD	SpikeLot ICPALL5	% Rec	MSD RPD	QC Limit
-------	----------------------------	---------------------	-------	------------	-------------

(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested



5.3.2
5

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA70094
Account: STEWC0FC - Stewart Environmental
Project: Bernardt S&G

QC Batch ID: MP40756
Matrix Type: AQUEOUS

Methods: EPA 200.7
Units: ug/l

Prep Date: 01/28/25

Metal	BSP Result	SpikeLot ICPALL5	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium	217	200	108.5	85-115
Magnesium				
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP40756: DA70094-1F, DA70094-2F, DA70094-3F, DA70094-4F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

5.3.3
5

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA70094
Account: STEWC0FC - Stewart Environmental
Project: Bernardt S&G

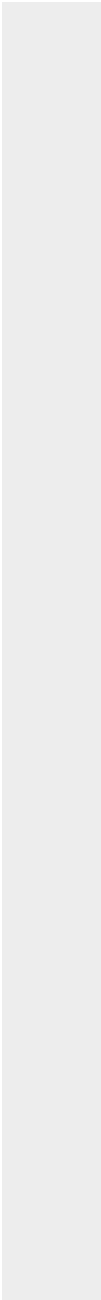
QC Batch ID: MP40756
Matrix Type: AQUEOUS

Methods: EPA 200.7
Units: ug/l

Prep Date: 01/28/25

Metal	BSP Result	SpikeLot ICPALL5	% Rec	QC Limits
-------	---------------	---------------------	-------	--------------

(anr) Analyte not requested



5.3.3
5

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA70094
Account: STEWCOFC - Stewart Environmental
Project: Bernardt S&G

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Bromide	GP38086/GN65905	0.050	0.0	mg/l	0.5	0.523	104.6	90-110%
Chloride	GP38086/GN65905	0.50	0.0	mg/l	5	5.32	106.4	90-110%
Fluoride	GP38086/GN65905	0.10	0.0	mg/l	1	1.08	108.0	90-110%
Nitrogen, Nitrate	GP38086/GN65905	0.010	0.0	mg/l	0.1	0.103	103.0	90-110%
Nitrogen, Nitrite	GP38086/GN65905	0.0040	0.0	mg/l	0.05	0.0546	109.2	90-110%
Nitrogen, Total Kjeldahl	GP38169/GN66064	0.20	0.0	mg/l	1	0.943	94.3	90-110%
Solids, Total Dissolved	GN65903	10	0.0	mg/l	250	1000	100.4	90-110%
Sulfate	GP38086/GN65905	0.50	0.0	mg/l	5	5.37	107.4	90-110%

Associated Samples:

Batch GN65903: DA70094-1, DA70094-2, DA70094-3, DA70094-4

Batch GP38086: DA70094-1, DA70094-2, DA70094-3, DA70094-4

Batch GP38169: DA70094-1, DA70094-2, DA70094-3, DA70094-4

(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA70094
Account: STEWCOFC - Stewart Environmental
Project: Bernardt S&G

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Bromide	GP38086/GN65905	DA70094-1	mg/l	0.0	2.5	2.9	99.2	80-120%
Bromide	GP38086/GN65905	DA70094-1	mg/l	0.42	2.5	2.9	99.2	80-120%
Chloride	GP38086/GN65905	DA70094-1	mg/l	87.4	25	111	94.4	80-120%
Fluoride	GP38086/GN65905	DA70094-1	mg/l	1.2	5	6.1	98.0	80-120%
Nitrogen, Nitrate	GP38086/GN65905	DA70094-1	mg/l	0.65	0.5	1.2	110.0	80-120%
Nitrogen, Nitrate	GP38086/GN65905	DA70094-1	mg/l	0.70	0.5	1.2	110.0	80-120%
Nitrogen, Nitrite	GP38086/GN65905	DA70094-1	mg/l	0.0	0.25	0.24	96.0	80-120%
Nitrogen, Nitrite	GP38086/GN65905	DA70094-1	mg/l	0.0	0.25	0.24	96.0	80-120%
Nitrogen, Total Kjeldahl	GP38169/GN66064	DA70094-2	mg/l	0.63	1	0.42	0.0N(a)	90-110%
Sulfate	GP38086/GN65905	DA70094-1	mg/l	496	25	428	76.0(b)	80-120%

Associated Samples:

Batch GP38086: DA70094-1, DA70094-2, DA70094-3, DA70094-4

Batch GP38169: DA70094-1, DA70094-2, DA70094-3, DA70094-4

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA70094
Account: STEWCOFC - Stewart Environmental
Project: Bernardt S&G

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Bromide	GP38086/GN65905	DA70094-1	mg/l	0.0	2.5	2.9	0.0	20%
Bromide	GP38086/GN65905	DA70094-1	mg/l	0.42	2.5	2.9	0.0	20%
Chloride	GP38086/GN65905	DA70094-1	mg/l	87.4	25	111	0.0	20%
Fluoride	GP38086/GN65905	DA70094-1	mg/l	1.2	5	6.1	0.0	20%
Nitrogen, Nitrate	GP38086/GN65905	DA70094-1	mg/l	0.65	0.5	1.1	8.7	20%
Nitrogen, Nitrate	GP38086/GN65905	DA70094-1	mg/l	0.70	0.5	1.1	8.7	20%
Nitrogen, Nitrite	GP38086/GN65905	DA70094-1	mg/l	0.0	0.25	0.24	0.0	20%
Nitrogen, Nitrite	GP38086/GN65905	DA70094-1	mg/l	0.0	0.25	0.24	0.0	20%
Sulfate	GP38086/GN65905	DA70094-1	mg/l	496	25	427	0.2	20%

Associated Samples:

Batch GP38086: DA70094-1, DA70094-2, DA70094-3, DA70094-4

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

Misc. Forms

Custody Documents and Other Forms

(SGS Dayton, NJ)

Includes the following where applicable:

- Chain of Custody



CHAIN OF CUSTODY
SGS North America Inc. - Wheat Ridge
4036 Youngfield Street, Wheat Ridge, CO 80033
TEL: 303-425-6021 FAX: 303-425-6854
www.sgs.com/ehsusa

AQ

Page 1 of 1

Client / Reporting Information				Project Information				Requested Analysis (see TEST CODE sheet)												Matrix Codes	
Company Name: SGS North America Inc.				Project Name: Bernardt S&G																DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED - Sediment OI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB-Field Blank EB-Equipment Blank RB- Rinse Blank TB-Trip Blank	
Street Address 4036 Youngfield Street				Street																	
City State Zip Wheat Ridge, CO 80033				City State																	
Project Contact E-mail pama.eskanderipavandeh@sgs.com				Project #																	
Phone # 303-425-6021				Fax #																	
Sampler(s) Name(s) JS				Project Manager																	
Turnaround Time (Business days)				Data Deliverable Information																LAB USE ONLY	
Approved By (SGS PM): / Date:				Commercial "A" (Level 1) Commercial "B" (Level 2) REDT1 (Level 3) FUL1 (Level 4) Commercial "C"				State Forms EDD Format Other C/L												Initial Assessment <u>38SD</u> Label Verification	
☐ Standard 10 Day (business) ☐ 5 Business Days RUSH ☐ 3 Business Days RUSH ☐ 2 Business Days RUSH ☐ 1 Business Day EMERGENCY ☒ other Due 1/31/2025				Emergency & Rush T/A data available via Lablink Approval needed for RUSH/Emergency TAT				Commercial "A" = Results Only Commercial "B" = Results + QC Summary Commercial "C" = Results + QC Summary + Partial Raw data												http://www.sgs.com/en/terms-and-conditions	
Relinquished by Sampler: <u>[Signature]</u>				Received By: <u>FedEx</u>				Relinquished By: <u>FedEx</u>												Date Time: <u>1/28/25</u>	
Relinquished by Sampler: <u>3</u>				Received By: <u>E. Gentry</u>				Relinquished By: <u>4</u>												Date Time: <u>1/28/25</u>	
Relinquished by: <u>5</u>				Received By: <u>5</u>				Custody Seal # ☐ Intact ☐ Not Intact												Therm. ID: <u>2.1</u>	

DA70094: Chain of Custody

Page 1 of 2

SGS Dayton, NJ



SGS Sample Receipt Summary

Job Number: DA70094

Client: SGS WHEAT RIDGE

Project: BERNARDT S&G

Date / Time Received: 1/28/2025 9:50:00 AM

Delivery Method: FEDEX

Airbill #s:

Cooler Temps (Raw Measured) °C: Cooler 1: (2.1);

Cooler Temps (Corrected) °C: Cooler 1: (2.5);

Cooler Security

Y or N

1. Custody Seals Present: ☒ ☐
2. Custody Seals Intact: ☒ ☐

3. COC Present: ☒ ☐
4. Smpl Dates/Time OK ☒ ☐

Cooler Temperature

Y or N

1. Temp criteria achieved: ☒ ☐
2. Cooler temp verification: IR-50
3. Cooler media: Ice (Bag)
4. No. Coolers: 1

Quality Control Preservation

Y or N

N/A

1. Trip Blank present / cooler: ☐ ☒ ☐
2. Trip Blank listed on COC: ☐ ☒ ☐
3. Samples preserved properly: ☒ ☐ ☐
4. VOCs headspace free: ☐ ☐ ☒

Sample Integrity - Documentation

Y or N

1. Sample labels present on bottles: ☒ ☐
2. Container labeling complete: ☒ ☐
3. Sample container label / COC agree: ☒ ☐

Sample Integrity - Condition

Y or N

1. Sample recvd within HT: ☒ ☐
2. All containers accounted for: ☒ ☐
3. Condition of sample: Intact

Sample Integrity - Instructions

Y or N

N/A

1. Analysis requested is clear: ☒ ☐
2. Bottles received for unspecified tests: ☐ ☒
3. Sufficient volume recvd for analysis: ☒ ☐
4. Compositing instructions clear: ☐ ☐ ☒
5. Filtering instructions clear: ☐ ☐ ☒

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

DA70094: Chain of Custody

Page 2 of 2

General Chemistry

QC Data Summaries

(SGS Dayton, NJ)

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA70094
Account: ALMS - SGS Wheat Ridge, CO
Project: STEWC0FC: Bernardt S&G

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Nitrogen, Nitrate + Nitrite	GP59068/GN64637	0.10	0.0	mg/l	2	2.19	109.5	90-110%

Associated Samples:
Batch GP59068: DA70094-1, DA70094-2, DA70094-3, DA70094-4
(*) Outside of QC limits

8.1
8

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA70094
Account: ALMS - SGS Wheat Ridge, CO
Project: STEWC0FC: Bernardt S&G

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Nitrogen, Nitrate + Nitrite	GP59068/GN64637	DA70094-1	mg/l	0.58	0.57	1.7	0-20%

Associated Samples:
Batch GP59068: DA70094-1, DA70094-2, DA70094-3, DA70094-4
(*) Outside of QC limits

8.2
8

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA70094
Account: ALMS - SGS Wheat Ridge, CO
Project: STEWC0FC: Bernardt S&G

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Nitrogen, Nitrate + Nitrite	GP59068/GN64637	DA70094-1	mg/l	0.58	2	2.5	96.0	90-110%
Nitrogen, Nitrate + Nitrite	GP59068/GN64637	DA70094-2	mg/l	0.68	2	2.6	96.0	90-110%

Associated Samples:

Batch GP59068: DA70094-1, DA70094-2, DA70094-3, DA70094-4

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

8.3

8

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Stewart Environmental

Sweet Valley Property

SGS Job Number: DA72268

Sampling Date: 05/09/25

Report to:

Stewart Environmental Consultants
3801 Automation Way Suite 200
Fort Collins, CO 80525
dave.stewart@stewartenv.com; jcyork@j-tconsulting.com

ATTN: Dave Stewart

Total number of pages in report: 74



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.



Eric Hoffman

Client Service contact: Parna Payandeh 303-425-6021

Certifications: CO (CO00049), ND (R-027), UT (NELAP CO00049), LA (LA150028), TX (T104704511), WY (8TMS-L) HI (CO00049), NJ (CO011), NV (CO00049), AK (CO00049), CA (3076), and NC (08701)

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Test results relate only to samples analyzed.

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Sample Summary

Stewart Environmental
Sweet Valley Property

Job No: DA72268

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
DA72268-1	05/09/25	11:00 JB	05/09/25	AQ	Water	BERNHART MW-1
DA72268-1F	05/09/25	11:00 JB	05/09/25	AQ	Water Filtered	BERNHART MW-1
DA72268-2	05/09/25	13:10 JB	05/09/25	AQ	Water	BERNHART MW-2
DA72268-2F	05/09/25	13:10 JB	05/09/25	AQ	Water Filtered	BERNHART MW-2
DA72268-3	05/09/25	11:40 JB	05/09/25	AQ	Water	BERNHART MW-3
DA72268-3F	05/09/25	11:40 JB	05/09/25	AQ	Water Filtered	BERNHART MW-3
DA72268-4	05/09/25	12:30 JB	05/09/25	AQ	Water	BERNHART MW-4
DA72268-4F	05/09/25	12:30 JB	05/09/25	AQ	Water Filtered	BERNHART MW-4
DA72268-5	05/09/25	14:02 JB	05/09/25	AQ	Water	OGILVY RIVER MW-1
DA72268-5F	05/09/25	14:02 JB	05/09/25	AQ	Water Filtered	OGILVY RIVER MW-1
DA72268-6	05/09/25	14:30 JB	05/09/25	AQ	Water	OGILVY RIVER MW-2
DA72268-6F	05/09/25	14:30 JB	05/09/25	AQ	Water Filtered	OGILVY RIVER MW-2
DA72268-7	05/09/25	13:42 JB	05/09/25	AQ	Water	OGILVY RIVER MW-3



Sample Summary
(continued)

Stewart Environmental
Sweet Valley Property

Job No: DA72268

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
DA72268-7F	05/09/25	13:42 JB	05/09/25	AQ	Water Filtered	OGILVY RIVER MW-3
DA72268-8	05/09/25	13:51 JB	05/09/25	AQ	Water	OGILVY RIVER MW-4
DA72268-8F	05/09/25	13:51 JB	05/09/25	AQ	Water Filtered	OGILVY RIVER MW-4
DA72268-9	05/09/25	11:38 JB	05/09/25	AQ	Water	NEINING MW-1
DA72268-9F	05/09/25	11:38 JB	05/09/25	AQ	Water Filtered	NEINING MW-1
DA72268-10	05/09/25	12:03 JB	05/09/25	AQ	Water	NEINING MW-2
DA72268-10F	05/09/25	12:03 JB	05/09/25	AQ	Water Filtered	NEINING MW-2
DA72268-11	05/09/25	11:00 JB	05/09/25	AQ	Water	NEINING MW-3
DA72268-11F	05/09/25	11:00 JB	05/09/25	AQ	Water Filtered	NEINING MW-3
DA72268-12	05/09/25	12:23 JB	05/09/25	AQ	Water	EXISTING WELL
DA72268-12F	05/09/25	12:23 JB	05/09/25	AQ	Water Filtered	EXISTING WELL

Summary of Hits

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Job Number: DA72268
Account: Stewart Environmental
Project: Sweet Valley Property
Collected: 05/09/25

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Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Analyte						

DA72268-1 BERNHART MW-1

Fluoride	0.98	0.20	mg/l	EPA 300.0
Chloride	98.9	13	mg/l	EPA 300.0
Sulfate	545	13	mg/l	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	0.41	0.10	mg/l	EPA 353.2/LACHAT
Solids, Total Dissolved	940	10	mg/l	SM 2540C-2011

DA72268-1F BERNHART MW-1

Arsenic	0.40	0.20	ug/l	EPA 200.8
Barium	27.9	2.0	ug/l	EPA 200.8
Cobalt	0.94	0.20	ug/l	EPA 200.8
Iron	50.0	20	ug/l	EPA 200.8
Manganese	635	1.0	ug/l	EPA 200.8
Molybdenum	8.3	1.0	ug/l	EPA 200.8
Selenium	5.4	0.40	ug/l	EPA 200.8
Uranium	34.2	0.20	ug/l	EPA 200.8

DA72268-2 BERNHART MW-2

Fluoride	0.86	0.20	mg/l	EPA 300.0
Chloride	140	5.0	mg/l	EPA 300.0
Sulfate	282	5.0	mg/l	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	1.8	0.10	mg/l	EPA 353.2/LACHAT
Solids, Total Dissolved	729	10	mg/l	SM 2540C-2011

DA72268-2F BERNHART MW-2

Arsenic	0.43	0.20	ug/l	EPA 200.8
Barium	36.6	2.0	ug/l	EPA 200.8
Boron	208	40	ug/l	EPA 200.8
Cobalt	1.9	0.20	ug/l	EPA 200.8
Iron	27.0	20	ug/l	EPA 200.8
Lithium	13.4	10	ug/l	EPA 200.7
Manganese	399	1.0	ug/l	EPA 200.8
Molybdenum	5.9	1.0	ug/l	EPA 200.8
Nickel	4.4	2.0	ug/l	EPA 200.8
Selenium	0.86	0.40	ug/l	EPA 200.8
Uranium	25.6	0.20	ug/l	EPA 200.8

DA72268-3 BERNHART MW-3

Fluoride	0.83	0.20	mg/l	EPA 300.0
Chloride	90.8	13	mg/l	EPA 300.0

Summary of Hits

Job Number: DA72268

Account: Stewart Environmental

Project: Sweet Valley Property

Collected: 05/09/25

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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Sulfate		318	13		mg/l	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a		0.48	0.10		mg/l	EPA 353.2/LACHAT
Solids, Total Dissolved		669	10		mg/l	SM 2540C-2011

DA72268-3F BERNHART MW-3

Aluminum	445	50		ug/l	EPA 200.8
Arsenic	0.37	0.20		ug/l	EPA 200.8
Barium	24.3	2.0		ug/l	EPA 200.8
Boron	206	40		ug/l	EPA 200.8
Cobalt	3.2	0.20		ug/l	EPA 200.8
Iron	563	20		ug/l	EPA 200.8
Manganese	713	1.0		ug/l	EPA 200.8
Molybdenum	8.3	1.0		ug/l	EPA 200.8
Nickel	2.7	2.0		ug/l	EPA 200.8
Selenium	2.0	0.40		ug/l	EPA 200.8
Uranium	31.0	0.20		ug/l	EPA 200.8

DA72268-4 BERNHART MW-4

Fluoride	0.75	0.20		mg/l	EPA 300.0
Chloride	154	5.0		mg/l	EPA 300.0
Sulfate	261	5.0		mg/l	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	2.3	0.10		mg/l	EPA 353.2/LACHAT
Solids, Total Dissolved	715	10		mg/l	SM 2540C-2011

DA72268-4F BERNHART MW-4

Antimony	0.45	0.40		ug/l	EPA 200.8
Arsenic	1.2	0.20		ug/l	EPA 200.8
Barium	40.1	2.0		ug/l	EPA 200.8
Boron	185	40		ug/l	EPA 200.8
Cobalt	1.6	0.20		ug/l	EPA 200.8
Copper	2.2	2.0		ug/l	EPA 200.8
Iron	33.6	20		ug/l	EPA 200.8
Lithium	21.2	10		ug/l	EPA 200.7
Manganese	328	1.0		ug/l	EPA 200.8
Molybdenum	4.6	1.0		ug/l	EPA 200.8
Selenium	2.4	0.40		ug/l	EPA 200.8
Uranium	15.9	0.20		ug/l	EPA 200.8

DA72268-5 OGILVY RIVER MW-1

Fluoride	0.48	0.20		mg/l	EPA 300.0
Chloride	154	13		mg/l	EPA 300.0

Summary of Hits

Job Number: DA72268
Account: Stewart Environmental
Project: Sweet Valley Property
Collected: 05/09/25

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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Sulfate		559	13		mg/l	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a		9.9	0.30		mg/l	EPA 353.2/LACHAT
Solids, Total Dissolved		1220	10		mg/l	SM 2540C-2011

DA72268-5F OGILVY RIVER MW-1

Arsenic	0.80	0.20		ug/l	EPA 200.8
Barium	53.4	2.0		ug/l	EPA 200.8
Boron	243	40		ug/l	EPA 200.8
Cobalt	1.0	0.20		ug/l	EPA 200.8
Lithium	77.3	10		ug/l	EPA 200.7
Manganese	33.0	1.0		ug/l	EPA 200.8
Molybdenum	2.2	1.0		ug/l	EPA 200.8
Uranium	55.8	0.20		ug/l	EPA 200.8
Vanadium	1.2	1.0		ug/l	EPA 200.8

DA72268-6 OGILVY RIVER MW-2

Fluoride	0.80	0.20		mg/l	EPA 300.0
Chloride	81.9	13		mg/l	EPA 300.0
Sulfate	725	13		mg/l	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	8.6	0.30		mg/l	EPA 353.2/LACHAT
Solids, Total Dissolved	1400	10		mg/l	SM 2540C-2011

DA72268-6F OGILVY RIVER MW-2

Arsenic	0.59	0.20		ug/l	EPA 200.8
Barium	54.3	2.0		ug/l	EPA 200.8
Boron	317	40		ug/l	EPA 200.8
Lithium	102	10		ug/l	EPA 200.7
Manganese	142	1.0		ug/l	EPA 200.8
Molybdenum	9.9	1.0		ug/l	EPA 200.8
Selenium	2.6	0.40		ug/l	EPA 200.8
Uranium	41.1	0.20		ug/l	EPA 200.8

DA72268-7 OGILVY RIVER MW-3

Fluoride	0.38	0.20		mg/l	EPA 300.0
Chloride	110	13		mg/l	EPA 300.0
Sulfate	572	13		mg/l	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	11.9	0.30		mg/l	EPA 353.2/LACHAT
Solids, Total Dissolved	1050	10		mg/l	SM 2540C-2011

Summary of Hits

Job Number: DA72268

Account: Stewart Environmental

Project: Sweet Valley Property

Collected: 05/09/25

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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DA72268-7F OGILVY RIVER MW-3

Arsenic	0.35	0.20			ug/l	EPA 200.8
Barium	34.3	2.0			ug/l	EPA 200.8
Boron	252	40			ug/l	EPA 200.8
Lithium	46.6	10			ug/l	EPA 200.7
Manganese	31.2	1.0			ug/l	EPA 200.8
Molybdenum	1.7	1.0			ug/l	EPA 200.8
Selenium	0.50	0.40			ug/l	EPA 200.8
Uranium	53.3	0.20			ug/l	EPA 200.8

DA72268-8 OGILVY RIVER MW-4

Fluoride	0.25	0.20			mg/l	EPA 300.0
Chloride	97.7	13			mg/l	EPA 300.0
Sulfate	477	13			mg/l	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	11.7	0.30			mg/l	EPA 353.2/LACHAT
Solids, Total Dissolved	1000	10			mg/l	SM 2540C-2011

DA72268-8F OGILVY RIVER MW-4

Arsenic	0.26	0.20			ug/l	EPA 200.8
Barium	25.6	2.0			ug/l	EPA 200.8
Boron	261	40			ug/l	EPA 200.8
Lithium	32.3	10			ug/l	EPA 200.7
Manganese	29.1	1.0			ug/l	EPA 200.8
Molybdenum	1.2	1.0			ug/l	EPA 200.8
Uranium	55.7	0.20			ug/l	EPA 200.8

DA72268-9 NEINING MW-1

Fluoride	1.0	0.20			mg/l	EPA 300.0
Chloride	169	5.0			mg/l	EPA 300.0
Sulfate	206	5.0			mg/l	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	5.9	0.20			mg/l	EPA 353.2/LACHAT
Solids, Total Dissolved	700	10			mg/l	SM 2540C-2011

DA72268-9F NEINING MW-1

Arsenic	0.68	0.20			ug/l	EPA 200.8
Barium	99.2	2.0			ug/l	EPA 200.8
Boron	190	40			ug/l	EPA 200.8
Lithium	20.6	10			ug/l	EPA 200.7
Manganese	9.6	1.0			ug/l	EPA 200.8
Molybdenum	2.8	1.0			ug/l	EPA 200.8

Summary of Hits

Job Number: DA72268

Account: Stewart Environmental

Project: Sweet Valley Property

Collected: 05/09/25

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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Selenium		1.0	0.40		ug/l	EPA 200.8
Uranium		3.9	0.20		ug/l	EPA 200.8

DA72268-10 NEINING MW-2

Fluoride		0.90	0.20		mg/l	EPA 300.0
Chloride		161	5.0		mg/l	EPA 300.0
Sulfate		193	5.0		mg/l	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a		1.6	0.10		mg/l	EPA 353.2/LACHAT
Solids, Total Dissolved		683	10		mg/l	SM 2540C-2011

DA72268-10F NEINING MW-2

Arsenic		0.29	0.20		ug/l	EPA 200.8
Barium		50.8	2.0		ug/l	EPA 200.8
Boron		205	40		ug/l	EPA 200.8
Lithium		13.8	10		ug/l	EPA 200.7
Manganese		8.3	1.0		ug/l	EPA 200.8
Molybdenum		1.7	1.0		ug/l	EPA 200.8
Selenium		1.3	0.40		ug/l	EPA 200.8
Uranium		12.9	0.20		ug/l	EPA 200.8

DA72268-11 NEINING MW-3

Fluoride		0.99	0.20		mg/l	EPA 300.0
Chloride		173	5.0		mg/l	EPA 300.0
Sulfate		212	5.0		mg/l	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a		8.2	0.30		mg/l	EPA 353.2/LACHAT
Solids, Total Dissolved		796	10		mg/l	SM 2540C-2011

DA72268-11F NEINING MW-3

Arsenic		0.46	0.20		ug/l	EPA 200.8
Barium		69.6	2.0		ug/l	EPA 200.8
Boron		219	40		ug/l	EPA 200.8
Cobalt		0.24	0.20		ug/l	EPA 200.8
Lithium		23.5	10		ug/l	EPA 200.7
Manganese		19.9	1.0		ug/l	EPA 200.8
Molybdenum		5.6	1.0		ug/l	EPA 200.8
Selenium		1.3	0.40		ug/l	EPA 200.8
Uranium		12.9	0.20		ug/l	EPA 200.8

DA72268-12 EXISTING WELL

Fluoride		1.0	1.0		mg/l	EPA 300.0
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Summary of Hits

Job Number: DA72268
Account: Stewart Environmental
Project: Sweet Valley Property
Collected: 05/09/25

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Analyte						
Chloride		154	5.0		mg/l	EPA 300.0
Sulfate		192	5.0		mg/l	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a		2.7	0.10		mg/l	EPA 353.2/LACHAT
Solids, Total Dissolved		639	10		mg/l	SM 2540C-2011

DA72268-12F EXISTING WELL

Arsenic	0.26	0.20		ug/l	EPA 200.8
Barium	35.0	2.0		ug/l	EPA 200.8
Boron	167	40		ug/l	EPA 200.8
Lithium	10.9	10		ug/l	EPA 200.7
Manganese	5.5	1.0		ug/l	EPA 200.8
Molybdenum	1.3	1.0		ug/l	EPA 200.8
Uranium	12.3	0.20		ug/l	EPA 200.8
Zinc	24.9	10		ug/l	EPA 200.8

(a) Analysis performed at SGS Dayton, NJ.



Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	BERNHART MW-1	Date Sampled:	05/09/25
Lab Sample ID:	DA72268-1	Date Received:	05/09/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Sweet Valley Property		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	0.98	0.20	mg/l	2	05/14/25 01:41	AM	EPA 300.0
Chloride	98.9	13	mg/l	25	05/14/25 01:32	AM	EPA 300.0
Sulfate	545	13	mg/l	25	05/14/25 01:32	AM	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	0.41	0.10	mg/l	1	05/22/25 18:45	ANJ	EPA 353.2/LACHAT
Solids, Total Dissolved	940	10	mg/l	1	05/12/25 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: BERNHART MW-1
Lab Sample ID: DA72268-1F
Matrix: AQ - Water Filtered
Project: Sweet Valley Property

Date Sampled: 05/09/25
Date Received: 05/09/25
Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analized By	Method	Prep Method
Aluminum	< 50	50	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Antimony	< 0.40	0.40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Arsenic	0.40	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Barium	27.9	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Cadmium	< 0.10	0.10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Chromium	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Cobalt	0.94	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Copper	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Iron	50.0	20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Lead	< 0.50	0.50	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Lithium	< 10	10	ug/l	1	05/11/25	06/11/25	CDL EPA 200.7 ³	EPA 200.7 ⁶
Manganese	635	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Mercury	< 0.10	0.10	ug/l	1	05/13/25	05/13/25	GS EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	8.3	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Nickel	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Selenium	5.4	0.40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Silver	< 0.10	0.10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Thallium	< 0.20	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Uranium	34.2	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Vanadium	< 1.0	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Zinc	< 10	10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴

(1) Instrument QC Batch: MA19087

(2) Instrument QC Batch: MA19110

(3) Instrument QC Batch: MA19227

(4) Prep QC Batch: MP41226

(5) Prep QC Batch: MP41235

(6) Prep QC Batch: MP41516

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BERNHART MW-2	Date Sampled:	05/09/25
Lab Sample ID:	DA72268-2	Date Received:	05/09/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Sweet Valley Property		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	0.86	0.20	mg/l	2	05/14/25 02:06	AM	EPA 300.0
Chloride	140	5.0	mg/l	10	05/13/25 20:43	AM	EPA 300.0
Sulfate	282	5.0	mg/l	10	05/13/25 20:43	AM	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	1.8	0.10	mg/l	1	05/22/25 18:46	ANJ	EPA 353.2/LACHAT
Solids, Total Dissolved	729	10	mg/l	1	05/12/25 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: BERNHART MW-2
Lab Sample ID: DA72268-2F
Matrix: AQ - Water Filtered
Project: Sweet Valley Property

Date Sampled: 05/09/25
Date Received: 05/09/25
Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 50	50	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁵
Antimony	< 0.40	0.40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁵
Arsenic	0.43	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁵
Barium	36.6	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁵
Beryllium	< 0.20	0.20	ug/l	1	05/11/25	06/03/25	GS EPA 200.8 ³	EPA 200.8 ⁵
Boron	208	40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁵
Cadmium	< 0.10	0.10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁵
Chromium	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁵
Cobalt	1.9	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁵
Copper	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁵
Iron	27.0	20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁵
Lead	< 0.50	0.50	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁵
Lithium	13.4	10	ug/l	1	05/11/25	06/11/25	CDL EPA 200.7 ⁴	EPA 200.7 ⁷
Manganese	399	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁵
Mercury	< 0.10	0.10	ug/l	1	05/13/25	05/13/25	GS EPA 245.1 ¹	EPA 245.1 ⁶
Molybdenum	5.9	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁵
Nickel	4.4	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁵
Selenium	0.86	0.40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁵
Silver	< 0.10	0.10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁵
Thallium	< 0.20	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁵
Uranium	25.6	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁵
Vanadium	< 1.0	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁵
Zinc	< 10	10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁵

(1) Instrument QC Batch: MA19087

(2) Instrument QC Batch: MA19110

(3) Instrument QC Batch: MA19184

(4) Instrument QC Batch: MA19227

(5) Prep QC Batch: MP41226

(6) Prep QC Batch: MP41235

(7) Prep QC Batch: MP41516

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BERNHART MW-3	Date Sampled:	05/09/25
Lab Sample ID:	DA72268-3	Date Received:	05/09/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Sweet Valley Property		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	0.83	0.20	mg/l	2	05/14/25 02:23	AM	EPA 300.0
Chloride	90.8	13	mg/l	25	05/14/25 02:15	AM	EPA 300.0
Sulfate	318	13	mg/l	25	05/14/25 02:15	AM	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	0.48	0.10	mg/l	1	05/22/25 18:54	ANJ	EPA 353.2/LACHAT
Solids, Total Dissolved	669	10	mg/l	1	05/12/25 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: BERNHART MW-3
Lab Sample ID: DA72268-3F
Matrix: AQ - Water Filtered
Project: Sweet Valley Property

Date Sampled: 05/09/25
Date Received: 05/09/25
Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	445	50	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Antimony	< 0.40	0.40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Arsenic	0.37	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Barium	24.3	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Boron	206	40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Cadmium	< 0.10	0.10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Chromium	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Cobalt	3.2	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Copper	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Iron	563	20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Lead	< 0.50	0.50	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Lithium	< 10	10	ug/l	1	05/11/25	06/11/25	CDL EPA 200.7 ³	EPA 200.7 ⁶
Manganese	713	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Mercury	< 0.10	0.10	ug/l	1	05/13/25	05/13/25	GS EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	8.3	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Nickel	2.7	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Selenium	2.0	0.40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Silver	< 0.10	0.10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Thallium	< 0.20	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Uranium	31.0	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Vanadium	< 1.0	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Zinc	< 10	10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴

(1) Instrument QC Batch: MA19087

(2) Instrument QC Batch: MA19110

(3) Instrument QC Batch: MA19227

(4) Prep QC Batch: MP41226

(5) Prep QC Batch: MP41235

(6) Prep QC Batch: MP41516

RL = Reporting Limit

Report of Analysis

Client Sample ID: BERNHART MW-4
Lab Sample ID: DA72268-4
Matrix: AQ - Water
Project: Sweet Valley Property

Date Sampled: 05/09/25
Date Received: 05/09/25
Percent Solids: n/a

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	0.75	0.20	mg/l	2	05/14/25 02:32	AM	EPA 300.0
Chloride	154	5.0	mg/l	10	05/13/25 21:00	AM	EPA 300.0
Sulfate	261	5.0	mg/l	10	05/13/25 21:00	AM	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	2.3	0.10	mg/l	1	05/22/25 18:55	ANJ	EPA 353.2/LACHAT
Solids, Total Dissolved	715	10	mg/l	1	05/12/25 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: BERNHART MW-4

Lab Sample ID: DA72268-4F

Matrix: AQ - Water Filtered

Project: Sweet Valley Property

Date Sampled: 05/09/25

Date Received: 05/09/25

Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 50	50	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Antimony	0.45	0.40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Arsenic	1.2	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Barium	40.1	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Boron	185	40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Cadmium	< 0.10	0.10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Chromium	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Cobalt	1.6	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Copper	2.2	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Iron	33.6	20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Lead	< 0.50	0.50	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Lithium	21.2	10	ug/l	1	05/11/25	06/11/25	CDL EPA 200.7 ³	EPA 200.7 ⁶
Manganese	328	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Mercury	< 0.10	0.10	ug/l	1	05/13/25	05/13/25	GS EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	4.6	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Nickel	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Selenium	2.4	0.40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Silver	< 0.10	0.10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Thallium	< 0.20	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Uranium	15.9	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Vanadium	< 1.0	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Zinc	< 10	10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴

(1) Instrument QC Batch: MA19087

(2) Instrument QC Batch: MA19110

(3) Instrument QC Batch: MA19227

(4) Prep QC Batch: MP41226

(5) Prep QC Batch: MP41235

(6) Prep QC Batch: MP41516

RL = Reporting Limit

Report of Analysis

Client Sample ID:	OGILVY RIVER MW-1	Date Sampled:	05/09/25
Lab Sample ID:	DA72268-5	Date Received:	05/09/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Sweet Valley Property		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	0.48	0.20	mg/l	2	05/14/25 02:40	AM	EPA 300.0
Chloride	154	13	mg/l	25	05/13/25 21:09	AM	EPA 300.0
Sulfate	559	13	mg/l	25	05/13/25 21:09	AM	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	9.9	0.30	mg/l	3	05/22/25 22:04	ANJ	EPA 353.2/LACHAT
Solids, Total Dissolved	1220	10	mg/l	1	05/12/25 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: OGILVY RIVER MW-1**Lab Sample ID:** DA72268-5F**Matrix:** AQ - Water Filtered**Project:** Sweet Valley Property**Date Sampled:** 05/09/25**Date Received:** 05/09/25**Percent Solids:** n/a**Dissolved Metals Analysis**

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 50	50	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Antimony	< 0.40	0.40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Arsenic	0.80	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Barium	53.4	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Boron	243	40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Cadmium	< 0.10	0.10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Chromium	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Cobalt	1.0	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Copper	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Iron	< 20	20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Lead	< 0.50	0.50	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Lithium	77.3	10	ug/l	1	05/11/25	06/11/25	CDL EPA 200.7 ³	EPA 200.7 ⁶
Manganese	33.0	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Mercury	< 0.10	0.10	ug/l	1	05/13/25	05/13/25	GS EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	2.2	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Nickel	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Selenium	< 0.40	0.40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Silver	< 0.10	0.10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Thallium	< 0.20	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Uranium	55.8	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Vanadium	1.2	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Zinc	< 10	10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴

(1) Instrument QC Batch: MA19087

(2) Instrument QC Batch: MA19110

(3) Instrument QC Batch: MA19227

(4) Prep QC Batch: MP41226

(5) Prep QC Batch: MP41235

(6) Prep QC Batch: MP41516

RL = Reporting Limit

Report of Analysis

Client Sample ID:	OGILVY RIVER MW-2	Date Sampled:	05/09/25
Lab Sample ID:	DA72268-6	Date Received:	05/09/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Sweet Valley Property		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	0.80	0.20	mg/l	2	05/14/25 02:49	AM	EPA 300.0
Chloride	81.9	13	mg/l	25	05/13/25 21:34	AM	EPA 300.0
Sulfate	725	13	mg/l	25	05/13/25 21:34	AM	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	8.6	0.30	mg/l	3	05/22/25 22:07	ANJ	EPA 353.2/LACHAT
Solids, Total Dissolved	1400	10	mg/l	1	05/12/25 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: OGILVY RIVER MW-2**Lab Sample ID:** DA72268-6F**Matrix:** AQ - Water Filtered**Project:** Sweet Valley Property**Date Sampled:** 05/09/25**Date Received:** 05/09/25**Percent Solids:** n/a**Dissolved Metals Analysis**

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 50	50	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Antimony	< 0.40	0.40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Arsenic	0.59	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Barium	54.3	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Boron	317	40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Cadmium	< 0.10	0.10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Chromium	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Cobalt	< 0.20	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Copper	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Iron	< 20	20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Lead	< 0.50	0.50	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Lithium	102	10	ug/l	1	05/11/25	06/11/25	CDL EPA 200.7 ³	EPA 200.7 ⁶
Manganese	142	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Mercury	< 0.10	0.10	ug/l	1	05/13/25	05/13/25	GS EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	9.9	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Nickel	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Selenium	2.6	0.40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Silver	< 0.10	0.10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Thallium	< 0.20	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Uranium	41.1	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Vanadium	< 1.0	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Zinc	< 10	10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴

(1) Instrument QC Batch: MA19087

(2) Instrument QC Batch: MA19110

(3) Instrument QC Batch: MA19227

(4) Prep QC Batch: MP41226

(5) Prep QC Batch: MP41235

(6) Prep QC Batch: MP41516

RL = Reporting Limit

Report of Analysis

Client Sample ID: OGILVY RIVER MW-3
Lab Sample ID: DA72268-7
Matrix: AQ - Water
Project: Sweet Valley Property

Date Sampled: 05/09/25
Date Received: 05/09/25
Percent Solids: n/a

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	0.38	0.20	mg/l	2	05/14/25 03:06	AM	EPA 300.0
Chloride	110	13	mg/l	25	05/14/25 02:57	AM	EPA 300.0
Sulfate	572	13	mg/l	25	05/14/25 02:57	AM	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	11.9	0.30	mg/l	3	05/22/25 22:08	ANJ	EPA 353.2/LACHAT
Solids, Total Dissolved	1050	10	mg/l	1	05/12/25 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: OGILVY RIVER MW-3**Lab Sample ID:** DA72268-7F**Matrix:** AQ - Water Filtered**Project:** Sweet Valley Property**Date Sampled:** 05/09/25**Date Received:** 05/09/25**Percent Solids:** n/a**Dissolved Metals Analysis**

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 50	50	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Antimony	< 0.40	0.40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Arsenic	0.35	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Barium	34.3	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Boron	252	40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Cadmium	< 0.10	0.10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Chromium	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Cobalt	< 0.20	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Copper	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Iron	< 20	20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Lead	< 0.50	0.50	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Lithium	46.6	10	ug/l	1	05/11/25	06/11/25	CDL EPA 200.7 ³	EPA 200.7 ⁶
Manganese	31.2	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Mercury	< 0.10	0.10	ug/l	1	05/13/25	05/13/25	GS EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	1.7	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Nickel	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Selenium	0.50	0.40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Silver	< 0.10	0.10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Thallium	< 0.20	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Uranium	53.3	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Vanadium	< 1.0	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Zinc	< 10	10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴

(1) Instrument QC Batch: MA19087

(2) Instrument QC Batch: MA19110

(3) Instrument QC Batch: MA19227

(4) Prep QC Batch: MP41226

(5) Prep QC Batch: MP41235

(6) Prep QC Batch: MP41516

RL = Reporting Limit

Report of Analysis

Client Sample ID: OGILVY RIVER MW-4
Lab Sample ID: DA72268-8
Matrix: AQ - Water
Project: Sweet Valley Property

Date Sampled: 05/09/25
Date Received: 05/09/25
Percent Solids: n/a

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	0.25	0.20	mg/l	2	05/14/25 03:23	AM	EPA 300.0
Chloride	97.7	13	mg/l	25	05/14/25 03:15	AM	EPA 300.0
Sulfate	477	13	mg/l	25	05/14/25 03:15	AM	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	11.7	0.30	mg/l	3	05/22/25 22:09	ANJ	EPA 353.2/LACHAT
Solids, Total Dissolved	1000	10	mg/l	1	05/12/25 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: OGILVY RIVER MW-4**Lab Sample ID:** DA72268-8F**Matrix:** AQ - Water Filtered**Project:** Sweet Valley Property**Date Sampled:** 05/09/25**Date Received:** 05/09/25**Percent Solids:** n/a**Dissolved Metals Analysis**

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 50	50	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Antimony	< 0.40	0.40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Arsenic	0.26	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Barium	25.6	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Boron	261	40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Cadmium	< 0.10	0.10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Chromium	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Cobalt	< 0.20	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Copper	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Iron	< 20	20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Lead	< 0.50	0.50	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Lithium	32.3	10	ug/l	1	05/11/25	06/11/25	CDL EPA 200.7 ³	EPA 200.7 ⁶
Manganese	29.1	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Mercury	< 0.10	0.10	ug/l	1	05/13/25	05/13/25	GS EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	1.2	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Nickel	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Selenium	< 0.40	0.40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Silver	< 0.10	0.10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Thallium	< 0.20	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Uranium	55.7	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Vanadium	< 1.0	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Zinc	< 10	10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴

(1) Instrument QC Batch: MA19087

(2) Instrument QC Batch: MA19110

(3) Instrument QC Batch: MA19227

(4) Prep QC Batch: MP41226

(5) Prep QC Batch: MP41235

(6) Prep QC Batch: MP41516

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NEINING MW-1	Date Sampled:	05/09/25
Lab Sample ID:	DA72268-9	Date Received:	05/09/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Sweet Valley Property		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	1.0	0.20	mg/l	2	05/14/25 03:49	AM	EPA 300.0
Chloride	169	5.0	mg/l	10	05/13/25 22:00	AM	EPA 300.0
Sulfate	206	5.0	mg/l	10	05/13/25 22:00	AM	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	5.9	0.20	mg/l	2	05/22/25 22:11	ANJ	EPA 353.2/LACHAT
Solids, Total Dissolved	700	10	mg/l	1	05/12/25 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: NEINING MW-1
Lab Sample ID: DA72268-9F
Matrix: AQ - Water Filtered
Project: Sweet Valley Property

Date Sampled: 05/09/25
Date Received: 05/09/25
Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 50	50	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Antimony	< 0.40	0.40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Arsenic	0.68	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Barium	99.2	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Boron	190	40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Cadmium	< 0.10	0.10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Chromium	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Cobalt	< 0.20	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Copper	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Iron	< 20	20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Lead	< 0.50	0.50	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Lithium	20.6	10	ug/l	1	05/11/25	06/11/25	CDL EPA 200.7 ³	EPA 200.7 ⁶
Manganese	9.6	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Mercury	< 0.10	0.10	ug/l	1	05/13/25	05/13/25	GS EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	2.8	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Nickel	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Selenium	1.0	0.40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Silver	< 0.10	0.10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Thallium	< 0.20	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Uranium	3.9	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Vanadium	< 1.0	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Zinc	< 10	10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴

(1) Instrument QC Batch: MA19087

(2) Instrument QC Batch: MA19110

(3) Instrument QC Batch: MA19227

(4) Prep QC Batch: MP41226

(5) Prep QC Batch: MP41235

(6) Prep QC Batch: MP41516

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NEINING MW-2	Date Sampled:	05/09/25
Lab Sample ID:	DA72268-10	Date Received:	05/09/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Sweet Valley Property		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	0.90	0.20	mg/l	2	05/14/25 03:57	AM	EPA 300.0
Chloride	161	5.0	mg/l	10	05/13/25 22:09	AM	EPA 300.0
Sulfate	193	5.0	mg/l	10	05/13/25 22:09	AM	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	1.6	0.10	mg/l	1	05/22/25 19:02	ANJ	EPA 353.2/LACHAT
Solids, Total Dissolved	683	10	mg/l	1	05/12/25 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: NEINING MW-2
Lab Sample ID: DA72268-10F
Matrix: AQ - Water Filtered
Project: Sweet Valley Property

Date Sampled: 05/09/25
Date Received: 05/09/25
Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 50	50	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Antimony	< 0.40	0.40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Arsenic	0.29	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Barium	50.8	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Boron	205	40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Cadmium	< 0.10	0.10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Chromium	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Cobalt	< 0.20	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Copper	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Iron	< 20	20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Lead	< 0.50	0.50	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Lithium	13.8	10	ug/l	1	05/11/25	06/11/25	CDL EPA 200.7 ³	EPA 200.7 ⁶
Manganese	8.3	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Mercury	< 0.10	0.10	ug/l	1	05/13/25	05/13/25	GS EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	1.7	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Nickel	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Selenium	1.3	0.40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Silver	< 0.10	0.10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Thallium	< 0.20	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Uranium	12.9	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Vanadium	< 1.0	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Zinc	< 10	10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴

(1) Instrument QC Batch: MA19087

(2) Instrument QC Batch: MA19110

(3) Instrument QC Batch: MA19227

(4) Prep QC Batch: MP41226

(5) Prep QC Batch: MP41235

(6) Prep QC Batch: MP41516

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NEINING MW-3	Date Sampled:	05/09/25
Lab Sample ID:	DA72268-11	Date Received:	05/09/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Sweet Valley Property		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	0.99	0.20	mg/l	2	05/14/25 04:06	AM	EPA 300.0
Chloride	173	5.0	mg/l	10	05/13/25 22:17	AM	EPA 300.0
Sulfate	212	5.0	mg/l	10	05/13/25 22:17	AM	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	8.2	0.30	mg/l	3	05/22/25 22:12	ANJ	EPA 353.2/LACHAT
Solids, Total Dissolved	796	10	mg/l	1	05/12/25 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: NEINING MW-3
Lab Sample ID: DA72268-11F
Matrix: AQ - Water Filtered
Project: Sweet Valley Property

Date Sampled: 05/09/25
Date Received: 05/09/25
Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 50	50	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Antimony	< 0.40	0.40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Arsenic	0.46	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Barium	69.6	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Beryllium	< 0.20	0.20	ug/l	1	05/11/25	06/03/25	GS EPA 200.8 ³	EPA 200.8 ⁵
Boron	219	40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Cadmium	< 0.10	0.10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Chromium	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Cobalt	0.24	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Copper	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Iron	< 20	20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Lead	< 0.50	0.50	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Lithium	23.5	10	ug/l	1	05/11/25	06/11/25	CDL EPA 200.7 ⁴	EPA 200.7 ⁷
Manganese	19.9	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Mercury	< 0.10	0.10	ug/l	1	05/26/25	05/27/25	CDL EPA 245.1 ²	EPA 245.1 ⁶
Molybdenum	5.6	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Nickel	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Selenium	1.3	0.40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Silver	< 0.10	0.10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Thallium	< 0.20	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Uranium	12.9	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Vanadium	< 1.0	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Zinc	< 10	10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵

(1) Instrument QC Batch: MA19110

(2) Instrument QC Batch: MA19152

(3) Instrument QC Batch: MA19184

(4) Instrument QC Batch: MA19227

(5) Prep QC Batch: MP41226

(6) Prep QC Batch: MP41370

(7) Prep QC Batch: MP41516

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EXISTING WELL	Date Sampled:	05/09/25
Lab Sample ID:	DA72268-12	Date Received:	05/09/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Sweet Valley Property		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	1.0	1.0	mg/l	10	06/04/25 03:24	JB	EPA 300.0
Chloride	154	5.0	mg/l	10	06/04/25 03:24	JB	EPA 300.0
Sulfate	192	5.0	mg/l	10	06/04/25 03:24	JB	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	2.7	0.10	mg/l	1	05/22/25 19:04	ANJ	EPA 353.2/LACHAT
Solids, Total Dissolved	639	10	mg/l	1	05/12/25 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: EXISTING WELL
Lab Sample ID: DA72268-12F
Matrix: AQ - Water Filtered
Project: Sweet Valley Property

Date Sampled: 05/09/25
Date Received: 05/09/25
Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 50	50	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Antimony	< 0.40	0.40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Arsenic	0.26	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Barium	35.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Beryllium	< 0.20	0.20	ug/l	1	05/11/25	06/03/25	GS EPA 200.8 ³	EPA 200.8 ⁵
Boron	167	40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Cadmium	< 0.10	0.10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Chromium	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Cobalt	< 0.20	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Copper	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Iron	< 20	20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Lead	< 0.50	0.50	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Lithium	10.9	10	ug/l	1	05/11/25	06/11/25	CDL EPA 200.7 ⁴	EPA 200.7 ⁷
Manganese	5.5	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Mercury	< 0.10	0.10	ug/l	1	05/26/25	05/27/25	CDL EPA 245.1 ²	EPA 245.1 ⁶
Molybdenum	1.3	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Nickel	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Selenium	< 0.40	0.40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Silver	< 0.10	0.10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Thallium	< 0.20	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Uranium	12.3	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Vanadium	< 1.0	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵
Zinc	24.9	10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁵

(1) Instrument QC Batch: MA19110

(2) Instrument QC Batch: MA19152

(3) Instrument QC Batch: MA19184

(4) Instrument QC Batch: MA19227

(5) Prep QC Batch: MP41226

(6) Prep QC Batch: MP41370

(7) Prep QC Batch: MP41516

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

SGS North America Inc. - Wheat Ridge
4036 Youngfield Street, Wheat Ridge, CO 80033
TEL: 303-425-6021 FAX: 303-425-6854
www.sgs.com/ehsusa

[illegible]

Current Regular COC 23MAY23.xls; FORM: EHSA-QAC-0027-01-FORM-Wheat Ridge - COC, RV 9/2/21

DA72268: Chain of Custody

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Appendix A: Full parameter list for Construction Material Sites (with Table Value Standards) from Regulation 41, Tables 1-4

Analyte	Table Value Standard (mg/L, unless other units given)	Reg. 41 Table Reference (1-4)
pH Field (pH unit)	6.50 - 8.50	2 and 3
TDS	400 mg/L, or 1.25X background	4
Chloride - Dissolved	250	2
Fluoride - Dissolved	2	3
Nitrate (NO3)	10	1
Nitrite (NO2)	1.0	1
Nitrite + Nitrate as Nitrogen	10	1
Sulfate - Dissolved	250	2
Aluminum - Dissolved	5	3
Antimony - Dissolved	0.006	1
Arsenic - Dissolved	0.01	1
Barium - Dissolved	2	1
Beryllium - Dissolved	0.004	1
Boron - Dissolved	0.75	3
Cadmium - Dissolved	0.005	1
Chromium - Dissolved	0.1	1 and 3
Cobalt - Dissolved	0.05	3
Copper - Dissolved	0.2	3
Iron - Dissolved	0.3	2
Lead - Dissolved	0.05	1
Lithium - Dissolved	2.5	3
Manganese - Dissolved	0.05	2
Mercury - Dissolved	0.002	1
Molybdenum - Dissolved	0.21	1
Nickel - Dissolved	0.1	1
Selenium - Dissolved	0.02	3
Silver - Dissolved	0.05	1
Thallium - Dissolved	0.002	1
Uranium - Dissolved	0.0168 to 0.03	1
Vanadium - Dissolved	0.1	3
Zinc - Dissolved	2	3

- These analytes, at a minimum, will be tested for during the five (5) quarters of baseline monitoring. It will be up to the Operator/Permittee to submit a Technical Revision with proper justification to reduce the analyte list.

SGS Sample Receipt Summary

Job Number: da72268

Client: STEWART

Project: SWEET VALLEY

Date / Time Received: 5/9/2025 3:00:00 PM

Delivery Method: hd

Airbill #'s:

Cooler Temps (Raw Measured) °C: Cooler 1: (2.3);
Cooler Temps (Corrected) °C: Cooler 1: (2.3);

Cooler Informatio	Y	or	N
1. Custody Seals Present:	☒		☐
2. Custody Seals Intact:	☒		☐
3. Temp criteria achieved:	☒		☐
4. Cooler temp verification:			IR Gun
5. Cooler media:			Ice (Bag)

Trip Blank Information	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☒
2. Trip Blank listed on COC:	☐		☐	☒

	W	or	S	N/A
3. Type of TB Received	☐		☐	☐

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles:	☒		☐	
2. Samples presented properly	☒		☐	
3. Suffiient volume/containers recv'd for analysi	☒		☐	
4. Condition of sample:			Intact	
5. Sample recv'd within HT	☒		☐	
6. Dates/Times/IDs on COC match sample labe	☐		☐	
7. VOCs have headspace	☐		☐	☒
8. Bottles received for unspecified tests	☐		☒	
9. Compositing instructions clear	☐		☐	☒
10. Voa Soil Kits/Jars received past 48hrs?	☐		☐	☐
11. % Solids Jar Received?	☐		☐	☐
12. Residual Chlorine Present?	☐		☐	☐

Misc Information

Number of Encores: 25 Gram

5 Gram

Number of Lab Filtered Metals

Test Strip Lot #: pH 0-3:

pH 10-12:

Other: (Specify)

Residual Chlorine Test Strip Lot

Comments

SM001

Rev. Date 05/04/17

Technician: JEREMYD

Date: 5/9/2025 4:59:30 PM

Reviewer:

Date:

Metals Analysis

5

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA72268
Account: STEWCOFC - Stewart Environmental
Project: Sweet Valley Property

QC Batch ID: MP41226
Matrix Type: AQUEOUS

Methods: EPA 200.8
Units: ug/l

Prep Date: 05/11/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	50	.52	10	4.9	<50
Antimony	0.40	.01	.3	0.020	<0.40
Arsenic	0.20	.05	.05	0.019	<0.20
Barium	2.0	.096	.3	0.29	<2.0
Beryllium	0.20	.077	.1		
Boron	40	18	10	1.8	<40
Cadmium	0.10	.03	.05	0.025	<0.10
Calcium	400	25	60		
Chromium	2.0	.087	.27	0.079	<2.0
Cobalt	0.20	.04	.05	-0.10	<0.20
Copper	2.0	.05	1.5	0.71	<2.0
Iron	20	1.6	10	0.24	<20
Lead	0.50	.094	.13	0.070	<0.50
Magnesium	100	10	20		
Manganese	1.0	.079	.51	-0.22	<1.0
Molybdenum	1.0	.037	.2	-0.0075	<1.0
Nickel	2.0	.098	.5	-0.74	<2.0
Phosphorus	60	7.6	25		
Potassium	200	2	50		
Selenium	0.40	.05	.1	-0.00059	<0.40
Silver	0.10	.0081	.025	0.00081	<0.10
Sodium	500	10	70		
Strontium	20	.1	5		
Thallium	0.20	.032	.05	0.011	<0.20
Tin	10	.22	2.5		
Titanium	2.0	.05	.5		
Uranium	0.20	.015	.05	0.0075	<0.20
Vanadium	1.0	.14	.2	-0.27	<1.0
Zinc	10	.05	2	3.2	<10

Associated samples MP41226: DA72268-1F, DA72268-2F, DA72268-3F, DA72268-4F, DA72268-5F, DA72268-6F, DA72268-7F, DA72268-8F, DA72268-9F, DA72268-10F, DA72268-11F, DA72268-12F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA72268
Account: STEWCOFC - Stewart Environmental
Project: Sweet Valley Property

QC Batch ID: MP41226
Matrix Type: AQUEOUS

Methods: EPA 200.8
Units: ug/l

Prep Date: 05/11/25

Metal	DA72268-1F Original MS		Spikelet ICPMS5	% Rec	QC Limits
Aluminum	40.4	995	1000	95.5	70-130
Antimony	0.15	100	100	99.9	70-130
Arsenic	0.40	200	200	99.8	70-130
Barium	27.9	424	400	99.0	70-130
Beryllium	0.0	96.7	100	96.7	70-130
Boron	208	419	200	105.6	70-130
Cadmium	0.072	96.6	100	96.5	70-130
Calcium	anr				
Chromium	0.0	95.1	100	95.1	70-130
Cobalt	0.94	96.1	100	95.2	70-130
Copper	0.98	96.4	100	95.4	70-130
Iron	50.0	1030	1000	98.0	70-130
Lead	0.15	198	200	98.9	70-130
Magnesium	anr				
Manganese	635	734	100	99.0	70-130
Molybdenum	8.3	110	100	101.7	70-130
Nickel	1.3	95.5	100	94.2	70-130
Phosphorus					
Potassium	anr				
Selenium	5.4	206	200	100.3	70-130
Silver	0.013	37.5	40	93.7	70-130
Sodium	anr				
Strontium	anr				
Thallium	0.10	195	200	97.5	70-130
Tin					
Titanium					
Uranium	34.2	233	200	99.4	70-130
Vanadium	0.37	97.1	100	96.7	70-130
Zinc	1.9	97.6	100	95.7	70-130

Associated samples MP41226: DA72268-1F, DA72268-2F, DA72268-3F, DA72268-4F, DA72268-5F, DA72268-6F, DA72268-7F, DA72268-8F, DA72268-9F, DA72268-10F, DA72268-11F, DA72268-12F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA72268
Account: STEWCOFC - Stewart Environmental
Project: Sweet Valley Property

QC Batch ID: MP41226
Matrix Type: AQUEOUS

Methods: EPA 200.8
Units: ug/l

Prep Date: 05/11/25

Metal	DA72268-1F Original	MSD	SpikeLot ICPMS5	% Rec	MSD RPD	QC Limit
Aluminum	40.4	1050	1000	101.0	1.9	20
Antimony	0.15	105	100	104.9	2.9	20
Arsenic	0.40	207	200	103.3	0.5	20
Barium	27.9	447	400	104.8	0.9	20
Beryllium	0.0	99.4	100	99.4	3.6	20
Boron	208	429	200	110.6	5.9	20
Cadmium	0.072	101	100	100.9	1.0	20
Calcium	anr					
Chromium	0.0	99.6	100	99.6	1.4	20
Cobalt	0.94	99.8	100	98.9	0.2	20
Copper	0.98	100	100	99.0	3.0	20
Iron	50.0	1090	1000	104.0	4.7	20
Lead	0.15	205	200	102.4	0.5	20
Magnesium	anr					
Manganese	635	771	100	136.0N(a)	4.9	20
Molybdenum	8.3	114	100	105.7	2.7	20
Nickel	1.3	98.9	100	97.6	1.8	20
Phosphorus						
Potassium	anr					
Selenium	5.4	212	200	103.3	1.9	20
Silver	0.013	38.8	40	97.0	0.3	20
Sodium	anr					
Strontium	anr					
Thallium	0.10	202	200	101.0	1.0	20
Tin						
Titanium						
Uranium	34.2	240	200	102.9	0.8	20
Vanadium	0.37	102	100	101.6	0.0	20
Zinc	1.9	100	100	98.1	4.9	20

Associated samples MP41226: DA72268-1F, DA72268-2F, DA72268-3F, DA72268-4F, DA72268-5F, DA72268-6F, DA72268-7F, DA72268-8F, DA72268-9F, DA72268-10F, DA72268-11F, DA72268-12F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA72268
 Account: STEWC0FC - Stewart Environmental
 Project: Sweet Valley Property

QC Batch ID: MP41226
 Matrix Type: AQUEOUS

Methods: EPA 200.8
 Units: ug/l

Prep Date: 05/11/25

Metal	BSP Result	SpikeLot ICPMS5	% Rec	QC Limits
Aluminum	1000	1000	100.0	85-115
Antimony	100	100	100.0	85-115
Arsenic	201	200	100.5	85-115
Barium	412	400	103.0	85-115
Beryllium	96.8	100	96.8	85-115
Boron	231	200	115.5*(a	85-115
Cadmium	100	100	100.0	85-115
Calcium	anr			
Chromium	101	100	101.0	85-115
Cobalt	98.5	100	98.5	85-115
Copper	101	100	101.0	85-115
Iron	1010	1000	101.0	85-115
Lead	202	200	101.0	85-115
Magnesium	anr			
Manganese	101	100	101.0	85-115
Molybdenum	99.8	100	99.8	85-115
Nickel	97.8	100	97.8	85-115
Phosphorus				
Potassium	anr			
Selenium	204	200	102.0	85-115
Silver	38.9	40	97.3	85-115
Sodium	anr			
Strontium	anr			
Thallium	200	200	100.0	85-115
Tin				
Titanium				
Uranium	196	200	98.0	85-115
Vanadium	101	100	101.0	85-115
Zinc	102	100	102.0	85-115

Associated samples MP41226: DA72268-1F, DA72268-2F, DA72268-3F, DA72268-4F, DA72268-5F, DA72268-6F, DA72268-7F, DA72268-8F, DA72268-9F, DA72268-10F, DA72268-11F, DA72268-12F

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

(a) Outside control limits biased high. Reported samples are ND.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA72268
Account: STEWC0FC - Stewart Environmental
Project: Sweet Valley Property

QC Batch ID: MP41235
Matrix Type: AQUEOUS

Methods: EPA 245.1
Units: ug/l

Prep Date: 05/13/25

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.10	.015	.05	0.0026	<0.10

Associated samples MP41235: DA72268-1F, DA72268-2F, DA72268-3F, DA72268-4F, DA72268-5F, DA72268-6F, DA72268-7F, DA72268-8F, DA72268-9F, DA72268-10F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA72268
 Account: STEWCOFC - Stewart Environmental
 Project: Sweet Valley Property

QC Batch ID: MP41235
 Matrix Type: AQUEOUS

Methods: EPA 245.1
 Units: ug/l

Prep Date: 05/13/25

Metal	DA72268-1F		SpikeLot		QC
	Original	MS	HGWSR1	% Rec	Limits
Mercury	0.0	1.2	1	120.0	70-130

Associated samples MP41235: DA72268-1F, DA72268-2F, DA72268-3F, DA72268-4F, DA72268-5F, DA72268-6F, DA72268-7F, DA72268-8F, DA72268-9F, DA72268-10F

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA72268
Account: STEWC0FC - Stewart Environmental
Project: Sweet Valley Property

QC Batch ID: MP41235
Matrix Type: AQUEOUS

Methods: EPA 245.1
Units: ug/l

Prep Date: 05/13/25

Metal	BSP Result	SpikeLot HGWSR1	% Rec	QC Limits
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Mercury 1.1 1 110.0 85-115

Associated samples MP41235: DA72268-1F, DA72268-2F, DA72268-3F, DA72268-4F, DA72268-5F, DA72268-6F, DA72268-7F, DA72268-8F, DA72268-9F, DA72268-10F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

5.2.3
5

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA72268
Account: STEWCOFC - Stewart Environmental
Project: Sweet Valley Property

QC Batch ID: MP41370
Matrix Type: AQUEOUS

Methods: EPA 245.1
Units: ug/l

Prep Date: 05/26/25

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.10	.015	.05	0.0036	<0.10

Associated samples MP41370: DA72268-11F, DA72268-12F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA72268
 Account: STEWCOFC - Stewart Environmental
 Project: Sweet Valley Property

QC Batch ID: MP41370
 Matrix Type: AQUEOUS

Methods: EPA 245.1
 Units: ug/l

Prep Date: 05/26/25

Metal	DA72352-1		SpikeLot		QC
	Original	MS	HGWSR1	% Rec	Limits
Mercury	0.89	4.9	5	80.2	70-130

Associated samples MP41370: DA72268-11F, DA72268-12F

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA72268
 Account: STEWCOFC - Stewart Environmental
 Project: Sweet Valley Property

QC Batch ID: MP41370
 Matrix Type: AQUEOUS

Methods: EPA 245.1
 Units: ug/l

Prep Date: 05/26/25

Metal	DA72352-1 Original	MSD	SpikeLot HGWSR1	% Rec	MSD RPD	QC Limit
Mercury	0.89	2.7	5	36.2N(a)	57.9	20

Associated samples MP41370: DA72268-11F, DA72268-12F

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested
 (a) Spike recovery indicates possible matrix interference.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA72268
Account: STEWCOFC - Stewart Environmental
Project: Sweet Valley Property

QC Batch ID: MP41370
Matrix Type: AQUEOUS

Methods: EPA 245.1
Units: ug/l

Prep Date: 05/26/25

Metal	BSP Result	SpikeLot HGWSR1	% Rec	QC Limits
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Mercury	0.88	1	88.0	85-115
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Associated samples MP41370: DA72268-11F, DA72268-12F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

5.3.3
5

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA72268
Account: STEWC0FC - Stewart Environmental
Project: Sweet Valley Property

QC Batch ID: MP41516
Matrix Type: AQUEOUS

Methods: EPA 200.7
Units: ug/l

Prep Date: 05/11/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	100	46	50		
Antimony	30	14	20		
Arsenic	25	22	7		
Barium	10	.3	3		
Beryllium	10	1	2		
Boron	50	3.3	10		
Cadmium	10	1.9	5		
Calcium	400	6.6	61		
Chromium	10	1.1	2		
Cobalt	5.0	2.7	4		
Copper	10	4.6	6		
Iron	20	8.9	10		
Lead	50	13	15		
Lithium	10	.6	4	1.0	<10
Magnesium	200	50	40		
Manganese	5.0	.5	1		
Molybdenum	10	8.5	3		
Nickel	30	6.2	10		
Phosphorus	150	91	110		
Potassium	1000	84	300		
Selenium	50	30	30		
Silicon	200	41	150		
Silver	30	.6	5		
Sodium	400	13	150		
Strontium	5.0	.1	1		
Thallium	12	17	11		
Tin	60	41	51		
Titanium	10	.5	2		
Uranium	50	3.9	20		
Vanadium	10	.9	2		
Zinc	30	9	7		

Associated samples MP41516: DA72268-1F, DA72268-2F, DA72268-3F, DA72268-4F, DA72268-5F, DA72268-6F, DA72268-7F, DA72268-8F, DA72268-9F, DA72268-10F, DA72268-11F, DA72268-12F

Results < IDL are shown as zero for calculation purposes

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA72268
Account: STEWC0FC - Stewart Environmental
Project: Sweet Valley Property

QC Batch ID: MP41516
Matrix Type: AQUEOUS

Methods: EPA 200.7
Units: ug/l

Prep Date: 05/11/25

Metal	RL	IDL	MDL	MB raw	final
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(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA72268
Account: STEWC0FC - Stewart Environmental
Project: Sweet Valley Property

QC Batch ID: MP41516
Matrix Type: AQUEOUS

Methods: EPA 200.7
Units: ug/l

Prep Date: 05/11/25

Metal	DA72268-1F Original MS		SpikeLot ICPALL6 % Rec		QC Limits
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Boron					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Lithium	9.8	212	200	101.1	70-130
Magnesium					
Manganese					
Molybdenum					
Nickel					
Phosphorus					
Potassium					
Selenium					
Silicon					
Silver					
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc					

Associated samples MP41516: DA72268-1F, DA72268-2F, DA72268-3F, DA72268-4F, DA72268-5F, DA72268-6F, DA72268-7F, DA72268-8F, DA72268-9F, DA72268-10F, DA72268-11F, DA72268-12F

Results < IDL are shown as zero for calculation purposes

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA72268
Account: STEWC0FC - Stewart Environmental
Project: Sweet Valley Property

QC Batch ID: MP41516
Matrix Type: AQUEOUS

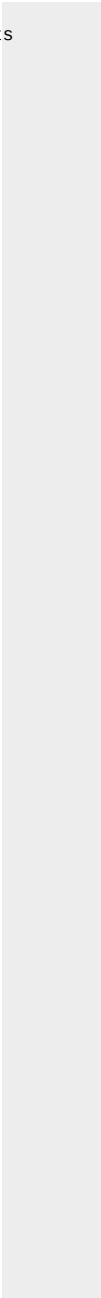
Methods: EPA 200.7
Units: ug/l

Prep Date: 05/11/25

Metal	DA72268-1F Original MS	SpikeLot ICPALL6	% Rec	QC Limits
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(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

5.4.2
5



MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA72268
Account: STEWC0FC - Stewart Environmental
Project: Sweet Valley Property

QC Batch ID: MP41516
Matrix Type: AQUEOUS

Methods: EPA 200.7
Units: ug/l

Prep Date: 05/11/25

Metal	DA72268-1F Original	MSD	SpikeLot ICPALL6	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Boron						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Lithium	9.8	210	200	100.1	0.9	20
Magnesium						
Manganese						
Molybdenum						
Nickel						
Phosphorus						
Potassium						
Selenium						
Silicon						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc						

Associated samples MP41516: DA72268-1F, DA72268-2F, DA72268-3F, DA72268-4F, DA72268-5F, DA72268-6F, DA72268-7F, DA72268-8F, DA72268-9F, DA72268-10F, DA72268-11F, DA72268-12F

Results < IDL are shown as zero for calculation purposes

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA72268
Account: STEWC0FC - Stewart Environmental
Project: Sweet Valley Property

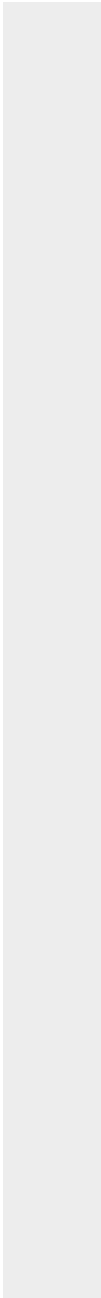
QC Batch ID: MP41516
Matrix Type: AQUEOUS

Methods: EPA 200.7
Units: ug/l

Prep Date: 05/11/25

Metal	DA72268-1F Original MSD	SpikeLot ICPALL6 % Rec	MSD RPD	QC Limit
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(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested



5.4.2
5

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA72268
Account: STEWC0FC - Stewart Environmental
Project: Sweet Valley Property

QC Batch ID: MP41516
Matrix Type: AQUEOUS

Methods: EPA 200.7
Units: ug/l

Prep Date: 05/11/25

Metal	BSP Result	SpikeLot ICPALL6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium	196	200	98.0	85-115
Magnesium				
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP41516: DA72268-1F, DA72268-2F, DA72268-3F, DA72268-4F, DA72268-5F, DA72268-6F, DA72268-7F, DA72268-8F, DA72268-9F, DA72268-10F, DA72268-11F, DA72268-12F

Results < IDL are shown as zero for calculation purposes

5.4.3
5

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA72268
Account: STEWC0FC - Stewart Environmental
Project: Sweet Valley Property

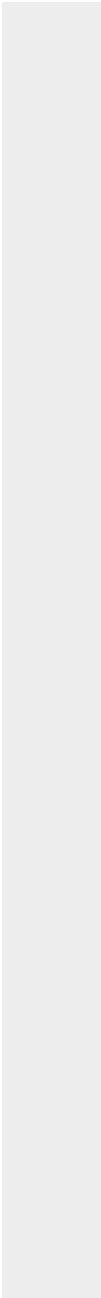
QC Batch ID: MP41516
Matrix Type: AQUEOUS

Methods: EPA 200.7
Units: ug/l

Prep Date: 05/11/25

Metal	BSP Result	SpikeLot ICPALL6	% Rec	QC Limits
-------	---------------	---------------------	-------	--------------

(*) Outside of QC limits
(anr) Analyte not requested



5.4.3
5

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA72268
Account: STEWCOFC - Stewart Environmental
Project: Sweet Valley Property

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chloride	GP38606/GN66965	0.50	0.0	mg/l	5	5.24	104.8	90-110%
Chloride	GP38607/GN66965	0.50	0.0	mg/l	5	5.25	105.0	90-110%
Chloride	GP38731/GN67222	0.50	0.0	mg/l	5	5.35	107.0	90-110%
Fluoride	GP38607/GN66965	0.10	0.0	mg/l	1	0.995	99.5	90-110%
Fluoride	GP38731/GN67222	0.10	0.0	mg/l	1	1.01	101.0	90-110%
Solids, Total Dissolved	GN66913	10	0.0	mg/l	250	1010	100.8	90-110%
Solids, Total Dissolved	GN66914	10	0.0	mg/l	250	1010	100.8	90-110%
Sulfate	GP38606/GN66965	0.50	0.0	mg/l	5	5.01	100.2	90-110%
Sulfate	GP38607/GN66965	0.50	0.0	mg/l	5	5.03	100.6	90-110%
Sulfate	GP38731/GN67222	0.50	0.0	mg/l	5	5.12	102.4	90-110%

Associated Samples:

Batch GN66913: DA72268-1, DA72268-2, DA72268-3, DA72268-4, DA72268-5, DA72268-6, DA72268-7

Batch GN66914: DA72268-8, DA72268-9, DA72268-10, DA72268-11, DA72268-12

Batch GP38606: DA72268-1, DA72268-2, DA72268-3

Batch GP38607: DA72268-4, DA72268-5, DA72268-6, DA72268-7, DA72268-8, DA72268-9, DA72268-10, DA72268-11

Batch GP38731: DA72268-12

(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA72268
Account: STEWCOFC - Stewart Environmental
Project: Sweet Valley Property

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Solids, Total Dissolved	GN66913	DA72268-7	mg/l	1050	1070	2.6	0-5.44%
Solids, Total Dissolved	GN66914	DA72268-12	mg/l	639	666	4.1	0-5.44%

Associated Samples:

Batch GN66913: DA72268-1, DA72268-2, DA72268-3, DA72268-4, DA72268-5, DA72268-6, DA72268-7

Batch GN66914: DA72268-8, DA72268-9, DA72268-10, DA72268-11, DA72268-12

(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA72268
Account: STEWCOFC - Stewart Environmental
Project: Sweet Valley Property

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chloride	GP38606/GN66965	DA72239-2	mg/l	512	500	1050	107.6	80-120%
Chloride	GP38607/GN66965	DA72268-5	mg/l	154	125	296	113.6	80-120%
Chloride	GP38731/GN67222	DA72501-1	mg/l	43.7	100	118	74.3N(a)	80-120%
Fluoride	GP38607/GN66965	DA72268-5	mg/l	0.48	25	25.5	102.0	80-120%
Fluoride	GP38731/GN67222	DA72501-1	mg/l	0.97	20	20.0	95.2	80-120%
Sulfate	GP38606/GN66965	DA72239-2	mg/l	532	500	1050	103.6	80-120%
Sulfate	GP38607/GN66965	DA72268-5	mg/l	559	125	720	128.8(b)	80-120%
Sulfate	GP38731/GN67222	DA72501-1	mg/l	299	100	209	-90.0N(a)	80-120%

Associated Samples:

Batch GP38606: DA72268-1, DA72268-2, DA72268-3

Batch GP38607: DA72268-4, DA72268-5, DA72268-6, DA72268-7, DA72268-8, DA72268-9, DA72268-10, DA72268-11

Batch GP38731: DA72268-12

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA72268
Account: STEWCOFC - Stewart Environmental
Project: Sweet Valley Property

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Chloride	GP38606/GN66965	DA72239-2	mg/l	512	500	1040	1.0	20%
Chloride	GP38607/GN66965	DA72268-5	mg/l	154	125	296	0.0	20%
Chloride	GP38731/GN67222	DA72501-1	mg/l	43.7	100	112	5.2	20%
Fluoride	GP38607/GN66965	DA72268-5	mg/l	0.48	25	25.6	0.4	20%
Fluoride	GP38731/GN67222	DA72501-1	mg/l	0.97	20	18.7	6.7	20%
Sulfate	GP38606/GN66965	DA72239-2	mg/l	532	500	1030	1.9	20%
Sulfate	GP38607/GN66965	DA72268-5	mg/l	559	125	719	0.1	20%
Sulfate	GP38731/GN67222	DA72501-1	mg/l	299	100	206	1.4	20%

Associated Samples:

Batch GP38606: DA72268-1, DA72268-2, DA72268-3

Batch GP38607: DA72268-4, DA72268-5, DA72268-6, DA72268-7, DA72268-8, DA72268-9, DA72268-10, DA72268-11

Batch GP38731: DA72268-12

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

Misc. Forms

Custody Documents and Other Forms

(SGS Dayton, NJ)

Includes the following where applicable:

- Chain of Custody

PN



CHAIN OF CUSTODY

SGS North America Inc. - Wheat Ridge
4036 Youngfield Street, Wheat Ridge, CO 80033
TEL: 303-425-6021 FAX: 303-425-6854
www.sgs.com/ehsusa

Page 1 of 1

FED-EX Tracking # 744 9076 5004		Bottle Order Control #															
SGS Quote #		SGS Job # DA72268															
Client / Reporting Information		Project Information															
Company Name: SGS North America Inc.		Project Name: Sweet Valley Property															
Street Address: 4036 Youngfield Street		Street: Billing Information (if different from Report to)															
City State Zip: Wheat Ridge, CO 8003		City State Zip: Company Name															
Project Contact E-mail: pama.eskandari@sgs.com		Project #															
Phone #: 303-425-6021		Street Address															
Fax #		Client Purchase Order #															
Sampler(s) Name(s): JB		City State Zip															
Phone		Project Manager															
Attention:																	
Collection		Number of preserved Bottles															
SGS Sample #	Field ID / Point of Collection	MECH/DI Vial #	Date	Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NO2	DI Water	MECH	ENCORE	NO3	
1	BERNHART MW-1		5/9/25	11:00:00 AM	JB	AQ											X
2	BERNHART MW-2		5/9/25	1:10:00 PM	JB	AQ											X
3	BERNHART MW-3		5/9/25	11:40:00 AM	JB	AQ											X
4	BERNHART MW-4		5/9/25	12:30:00 PM	JB	AQ											X
5	OGILVY RIVER MW-1		5/9/25	2:02:00 PM	JB	AQ											X
6	OGILVY RIVER MW-2		5/9/25	2:30:00 PM	JB	AQ											X
7	OGILVY RIVER MW-3		5/9/25	1:42:00 PM	JB	AQ											X
8	OGILVY RIVER MW-4		5/9/25	1:51:00 PM	JB	AQ											X
9	NEINING MW-1		5/9/25	11:38:00 AM	JB	AQ											X
10	NEINING MW-2		5/9/25	12:03:00 PM	JB	AQ											X
11	NEINING MW-3		5/9/25	11:00:00 AM	JB	AQ											X
12	EXISTING WELL		5/9/25	12:23:00 PM	JB	AQ											X
Turnaround Time (Business days)		Data Deliverable Information		Comments / Special Instructions													
☐ Standard 10 Day (business) ☐ 5 Business Days RUSH ☐ 3 Business Days RUSH ☐ 2 Business Days RUSH ☐ 1 Business Day EMERGENCY ☒ other Due 5/16/2025		Approved By (SGS PM): / Date: Emergency & Rush T/A data available via Lablink. Approval needed for RUSH/Emergency TAT		Data Deliverable Information ☐ Commercial "A" (Level 1) ☐ Commercial "B" (Level 2) ☐ REDT1 (Level 3) ☐ FULT1 (Level 4) ☐ Commercial "C" ☐ State Forms ☐ EDD Format ☐ Other ☒ UCL													
Initial Assessment		Label Verification		http://www.sgs.com/en/terms-and-conditions													
Relinquished by Sampler:		Date Time:		Received By:													
1		5-12-23 8:30		1 FedEx													
Relinquished by Sampler:		Date Time:		Received By:													
3				3 FedEx													
Relinquished by:		Date Time:		Received By:													
5				5													
Custody Seal #		Intact		Therm. ID:													
5		☒ Intact ☐ Not intact		1.3													

DA72268: Chain of Custody

Page 1 of 3

SGS Dayton, NJ



SGS Sample Receipt Summary

Job Number: da72268

Client: SGS NORTH AMERICA INC.

Project: SWEET VALLEY PROPERTY

Date / Time Received: 5/13/2025 10:00:00 AM

Delivery Method: FEDEX

Airbill #s: 744490765004

Cooler Temps (Raw Measured) °C: Cooler 1: (1.1); Cooler 2: (1.3);

Cooler Temps (Corrected) °C: Cooler 1: (1.5); Cooler 2: (1.7);

Cooler Security

Y or N

1. Custody Seals Present: ☒ ☐
2. Custody Seals Intact: ☒ ☐

3. COC Present: ☒ ☐
4. Smpl Dates/Time OK ☒ ☐

Cooler Temperature

Y or N

1. Temp criteria achieved: ☒ ☐
2. Cooler temp verification: IR-50
3. Cooler media: Ice (Bag)
4. No. Coolers: 2

Quality Control Preservation

Y or N N/A

1. Trip Blank present / cooler: ☐ ☐ ☒
2. Trip Blank listed on COC: ☐ ☐ ☒
3. Samples preserved properly: ☒ ☐
4. VOCs headspace free: ☐ ☐ ☐

Sample Integrity - Documentation

Y or N

1. Sample labels present on bottles: ☒ ☐
2. Container labeling complete: ☒ ☐
3. Sample container label / COC agree: ☒ ☐

Sample Integrity - Condition

Y or N

1. Sample recvd within HT: ☒ ☐
2. All containers accounted for: ☒ ☐
3. Condition of sample: Intact

Sample Integrity - Instructions

Y or N N/A

1. Analysis requested is clear: ☒ ☐
2. Bottles received for unspecified tests: ☐ ☒
3. Sufficient volume recvd for analysis: ☒ ☐
4. Compositing instructions clear: ☐ ☐ ☒
5. Filtering instructions clear: ☐ ☐ ☒

Test Strip Lot #s:

pH 1-12: 231619

pH 12+: 203117A

Other: (Specify)

Comments

-10: Bottle was received with unsecured cap. Possible contamination with cooler water

DA72268: Chain of Custody

Page 2 of 3

Responded to by: Naya

Response Date: 5/15/25

Per Parna, Please proceed with the analysis

7.1
7

DA72268: Chain of Custody
Page 3 of 3

General Chemistry

QC Data Summaries

(SGS Dayton, NJ)

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA72268
Account: ALMS - SGS Wheat Ridge, CO
Project: STEWCOFC: Sweet Valley Property

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Nitrogen, Nitrate + Nitrite	GP61245/GN68626	0.10	0.0	mg/l	2	2.18	109.0	90-110%

Associated Samples:
Batch GP61245: DA72268-1, DA72268-2, DA72268-3, DA72268-4, DA72268-5, DA72268-6, DA72268-7, DA72268-8, DA72268-9, DA72268-10, DA72268-11, DA72268-12
(*) Outside of QC limits

8.1
8

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA72268
Account: ALMS - SGS Wheat Ridge, CO
Project: STEWC0FC: Sweet Valley Property

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Nitrogen, Nitrate + Nitrite	GP61245/GN68626	DA72268-1	mg/l	0.41	0.38	7.6	0-20%

Associated Samples:
Batch GP61245: DA72268-1, DA72268-2, DA72268-3, DA72268-4, DA72268-5, DA72268-6, DA72268-7, DA72268-8, DA72268-9, DA72268-10, DA72268-11, DA72268-12
(*) Outside of QC limits

8.2
8

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA72268
Account: ALMS - SGS Wheat Ridge, CO
Project: STEWCOFC: Sweet Valley Property

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Nitrogen, Nitrate + Nitrite	GP61245/GN68626	DA72268-1	mg/l	0.41	2	2.3	94.5	90-110%
Nitrogen, Nitrate + Nitrite	GP61245/GN68626	DA72268-2	mg/l	1.8	2	3.7	95.0	90-110%

Associated Samples:

Batch GP61245: DA72268-1, DA72268-2, DA72268-3, DA72268-4, DA72268-5, DA72268-6, DA72268-7, DA72268-8, DA72268-9, DA72268-10, DA72268-11, DA72268-12

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

8.3

8

ANALYTICAL REPORT

PREPARED FOR

Attn: J.C. York
J&T Consulting, Inc.
305 Denver Avenue, Suite D
Fort Lupton, Colorado 80621

Generated 8/29/2025 2:53:22 PM

JOB DESCRIPTION

Quarterly Monitoring Wells - Bernhardt Site

JOB NUMBER

280-212146-1

Eurofins Denver

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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Authorization



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Authorized for release by
Shelby McCabe, Project Manager I
Shelby.McCabe@et.eurofinsus.com
(303)736-0165

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Definitions/Glossary

Client: J&T Consulting, Inc.
Project/Site: Quarterly Monitoring Wells - Bernhardt Site

Job ID: 280-212146-1

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: J&T Consulting, Inc.
Project: Quarterly Monitoring Wells - Bernhardt Site

Job ID: 280-212146-1

Job ID: 280-212146-1

Eurofins Denver

Job Narrative 280-212146-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 8/19/2025 11:35 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.9°C.

Method 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Samples MW-1 (280-212146-1), MW-2 (280-212146-2), MW-3 (280-212146-3) and MW-4 (280-212146-4) were analyzed for Metals (ICP) - Dissolved. The samples were prepared on 8/20/2025 and analyzed on 8/21/2025.

Method 200.8 - Metals (ICP/MS) - Dissolved

Samples MW-1 (280-212146-1), MW-2 (280-212146-2), MW-3 (280-212146-3) and MW-4 (280-212146-4) were analyzed for Metals (ICP/MS) - Dissolved. The samples were prepared on 8/20/2025 and analyzed on 8/23/2025 and 8/24/2025.

Method 245.1 - Mercury (CVAA) - Dissolved

Samples MW-1 (280-212146-1), MW-2 (280-212146-2), MW-3 (280-212146-3) and MW-4 (280-212146-4) were analyzed for Mercury (CVAA) - Dissolved. The samples were prepared on 8/20/2025 and analyzed on 8/21/2025.

Method SM 2540C - Solids, Total Dissolved (TDS)

Samples MW-1 (280-212146-1), MW-2 (280-212146-2), MW-3 (280-212146-3) and MW-4 (280-212146-4) were analyzed for Solids, Total Dissolved (TDS). The samples were analyzed on 8/20/2025.

Method 300.0 - Anions, Ion Chromatography - Dissolved

Samples MW-1 (280-212146-1), MW-2 (280-212146-2), MW-3 (280-212146-3) and MW-4 (280-212146-4) were analyzed for Anions, Ion Chromatography - Dissolved. The samples were analyzed on 8/20/2025 and 8/22/2025.

Samples MW-1 (280-212146-1)[5x], MW-2 (280-212146-2)[5x], MW-3 (280-212146-3)[5x] and MW-4 (280-212146-4)[5x] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method 353.2 - Nitrogen, Nitrate-Nitrite

Samples MW-1 (280-212146-1), MW-2 (280-212146-2), MW-3 (280-212146-3) and MW-4 (280-212146-4) were analyzed for Nitrogen, Nitrate-Nitrite. The samples were analyzed on 8/22/2025 and 8/27/2025.

Eurofins Denver

Detection Summary

Client: J&T Consulting, Inc.
Project/Site: Quarterly Monitoring Wells - Bernhardt Site

Job ID: 280-212146-1

Client Sample ID: MW-1

Lab Sample ID: 280-212146-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.20		0.050	0.015	mg/L	1		200.7 Rev 4.4	Dissolved
Lithium	0.014	J	0.020	0.010	mg/L	1		200.7 Rev 4.4	Dissolved
Aluminum	6.2		0.10	0.025	mg/L	1		200.8	Dissolved
Arsenic	0.0028		0.0020	0.00050	mg/L	1		200.8	Dissolved
Barium	0.083		0.0020	0.00055	mg/L	1		200.8	Dissolved
Cobalt	0.0070		0.0010	0.00025	mg/L	1		200.8	Dissolved
Chromium	0.0065		0.0030	0.0010	mg/L	1		200.8	Dissolved
Copper	0.0064		0.0020	0.0010	mg/L	1		200.8	Dissolved
Iron	8.9		0.20	0.050	mg/L	1		200.8	Dissolved
Manganese	2.2		0.0030	0.0015	mg/L	1		200.8	Dissolved
Molybdenum	0.0096		0.0020	0.00050	mg/L	1		200.8	Dissolved
Nickel	0.0062		0.0030	0.0010	mg/L	1		200.8	Dissolved
Lead	0.0042		0.0010	0.00050	mg/L	1		200.8	Dissolved
Antimony	0.00050	J	0.0020	0.00050	mg/L	1		200.8	Dissolved
Selenium	0.0048		0.0020	0.00050	mg/L	1		200.8	Dissolved
Uranium	0.030		0.0010	0.00025	mg/L	1		200.8	Dissolved
Vanadium	0.015		0.0050	0.0015	mg/L	1		200.8	Dissolved
Zinc	0.037		0.010	0.0050	mg/L	1		200.8	Dissolved
Nitrate Nitrite as N	0.28		0.20	0.060	mg/L	1		353.2	Total/NA
Total Dissolved Solids (TDS)	990		20	12	mg/L	1		SM 2540C	Total/NA
Chloride	83		3.0	1.3	mg/L	1		300.0	Dissolved
Sulfate	450		15	6.5	mg/L	5		300.0	Dissolved
Fluoride	0.93		0.50	0.20	mg/L	1		300.0	Dissolved

Client Sample ID: MW-2

Lab Sample ID: 280-212146-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.20		0.050	0.015	mg/L	1		200.7 Rev 4.4	Dissolved
Aluminum	1.3		0.10	0.025	mg/L	1		200.8	Dissolved
Barium	0.039		0.0020	0.00055	mg/L	1		200.8	Dissolved
Cobalt	0.0038		0.0010	0.00025	mg/L	1		200.8	Dissolved
Chromium	0.0014	J	0.0030	0.0010	mg/L	1		200.8	Dissolved
Copper	0.0011	J	0.0020	0.0010	mg/L	1		200.8	Dissolved
Iron	1.8		0.20	0.050	mg/L	1		200.8	Dissolved
Manganese	0.72		0.0030	0.0015	mg/L	1		200.8	Dissolved
Molybdenum	0.0079		0.0020	0.00050	mg/L	1		200.8	Dissolved
Nickel	0.0038		0.0030	0.0010	mg/L	1		200.8	Dissolved
Lead	0.00093	J	0.0010	0.00050	mg/L	1		200.8	Dissolved
Selenium	0.0020		0.0020	0.00050	mg/L	1		200.8	Dissolved
Uranium	0.024		0.0010	0.00025	mg/L	1		200.8	Dissolved
Vanadium	0.0033	J	0.0050	0.0015	mg/L	1		200.8	Dissolved
Zinc	0.0082	J	0.010	0.0050	mg/L	1		200.8	Dissolved
Nitrate Nitrite as N	0.35		0.20	0.060	mg/L	1		353.2	Total/NA
Total Dissolved Solids (TDS)	780		10	6.0	mg/L	1		SM 2540C	Total/NA
Chloride	81		3.0	1.3	mg/L	1		300.0	Dissolved
Sulfate	290		15	6.5	mg/L	5		300.0	Dissolved
Fluoride	0.73		0.50	0.20	mg/L	1		300.0	Dissolved

Client Sample ID: MW-3

Lab Sample ID: 280-212146-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.22		0.050	0.015	mg/L	1		200.7 Rev 4.4	Dissolved

This Detection Summary does not include radiochemical test results.

Eurofins Denver

Detection Summary

Client: J&T Consulting, Inc.
Project/Site: Quarterly Monitoring Wells - Bernhardt Site

Job ID: 280-212146-1

Client Sample ID: MW-3 (Continued)

Lab Sample ID: 280-212146-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.013	J	0.020	0.010	mg/L	1		200.7 Rev 4.4	Dissolved
Aluminum	0.092	J	0.10	0.025	mg/L	1		200.8	Dissolved
Arsenic	0.0014	J	0.0020	0.00050	mg/L	1		200.8	Dissolved
Barium	0.041		0.0020	0.00055	mg/L	1		200.8	Dissolved
Cobalt	0.0020		0.0010	0.00025	mg/L	1		200.8	Dissolved
Iron	0.14	J	0.20	0.050	mg/L	1		200.8	Dissolved
Manganese	0.35		0.0030	0.0015	mg/L	1		200.8	Dissolved
Molybdenum	0.0055		0.0020	0.00050	mg/L	1		200.8	Dissolved
Nickel	0.0034		0.0030	0.0010	mg/L	1		200.8	Dissolved
Selenium	0.00097	J	0.0020	0.00050	mg/L	1		200.8	Dissolved
Uranium	0.022		0.0010	0.00025	mg/L	1		200.8	Dissolved
Vanadium	0.0016	J	0.0050	0.0015	mg/L	1		200.8	Dissolved
Zinc	0.0083	J	0.010	0.0050	mg/L	1		200.8	Dissolved
Nitrate Nitrite as N	1.9		0.20	0.060	mg/L	1		353.2	Total/NA
Total Dissolved Solids (TDS)	790		10	6.0	mg/L	1		SM 2540C	Total/NA
Chloride	130		3.0	1.3	mg/L	1		300.0	Dissolved
Sulfate	260		15	6.5	mg/L	5		300.0	Dissolved
Fluoride	0.81		0.50	0.20	mg/L	1		300.0	Dissolved

Client Sample ID: MW-4

Lab Sample ID: 280-212146-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.20		0.050	0.015	mg/L	1		200.7 Rev 4.4	Dissolved
Lithium	0.024		0.020	0.010	mg/L	1		200.7 Rev 4.4	Dissolved
Aluminum	0.33		0.10	0.025	mg/L	1		200.8	Dissolved
Arsenic	0.0020		0.0020	0.00050	mg/L	1		200.8	Dissolved
Barium	0.078		0.0020	0.00055	mg/L	1		200.8	Dissolved
Cobalt	0.0017		0.0010	0.00025	mg/L	1		200.8	Dissolved
Copper	0.0027		0.0020	0.0010	mg/L	1		200.8	Dissolved
Iron	0.81		0.20	0.050	mg/L	1		200.8	Dissolved
Manganese	0.21		0.0030	0.0015	mg/L	1		200.8	Dissolved
Molybdenum	0.0048		0.0020	0.00050	mg/L	1		200.8	Dissolved
Nickel	0.0037		0.0030	0.0010	mg/L	1		200.8	Dissolved
Lead	0.0011		0.0010	0.00050	mg/L	1		200.8	Dissolved
Antimony	0.0010	J	0.0020	0.00050	mg/L	1		200.8	Dissolved
Selenium	0.0020		0.0020	0.00050	mg/L	1		200.8	Dissolved
Uranium	0.012		0.0010	0.00025	mg/L	1		200.8	Dissolved
Vanadium	0.0024	J	0.0050	0.0015	mg/L	1		200.8	Dissolved
Zinc	0.015		0.010	0.0050	mg/L	1		200.8	Dissolved
Nitrate Nitrite as N	1.9		0.20	0.060	mg/L	1		353.2	Total/NA
Total Dissolved Solids (TDS)	790		10	6.0	mg/L	1		SM 2540C	Total/NA
Chloride	150		3.0	1.3	mg/L	1		300.0	Dissolved
Sulfate	240		15	6.5	mg/L	5		300.0	Dissolved
Fluoride	0.70		0.50	0.20	mg/L	1		300.0	Dissolved

This Detection Summary does not include radiochemical test results.

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Method Summary

Client: J&T Consulting, Inc.
Project/Site: Quarterly Monitoring Wells - Bernhardt Site

Job ID: 280-212146-1

Method	Method Description	Protocol	Laboratory
200.7 Rev 4.4	Metals (ICP)	EPA	EET DEN
200.8	Metals (ICP/MS)	EPA	EET DEN
245.1	Mercury (CVAA)	EPA	EET DEN
300.0	Anions, Ion Chromatography	EPA	EET DEN
353.2	Nitrogen, Nitrate-Nitrite	EPA	EET DEN
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET DEN
200.7	Preparation, Total Recoverable Metals	EPA	EET DEN
200.8	Preparation, Total Recoverable Metals	EPA	EET DEN
245.1	Preparation, Mercury	EPA	EET DEN

Protocol References:

EPA = US Environmental Protection Agency
SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Sample Summary

Client: J&T Consulting, Inc.
Project/Site: Quarterly Monitoring Wells - Bernhardt Site

Job ID: 280-212146-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
280-212146-1	MW-1	Water	08/18/25 13:15	08/19/25 11:35	Colorado
280-212146-2	MW-2	Water	08/18/25 12:00	08/19/25 11:35	Colorado
280-212146-3	MW-3	Water	08/18/25 12:45	08/19/25 11:35	Colorado
280-212146-4	MW-4	Water	08/18/25 11:40	08/19/25 11:35	Colorado

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Client Sample Results

Client: J&T Consulting, Inc.
Project/Site: Quarterly Monitoring Wells - Bernhardt Site

Job ID: 280-212146-1

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Client Sample ID: MW-1
Date Collected: 08/18/25 13:15
Date Received: 08/19/25 11:35

Lab Sample ID: 280-212146-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.20		0.050	0.015	mg/L		08/20/25 07:46	08/21/25 21:40	1
Lithium	0.014	J	0.020	0.010	mg/L		08/20/25 07:46	08/21/25 21:40	1

Client Sample ID: MW-2
Date Collected: 08/18/25 12:00
Date Received: 08/19/25 11:35

Lab Sample ID: 280-212146-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.20		0.050	0.015	mg/L		08/20/25 07:46	08/21/25 21:44	1
Lithium	ND		0.020	0.010	mg/L		08/20/25 07:46	08/21/25 21:44	1

Client Sample ID: MW-3
Date Collected: 08/18/25 12:45
Date Received: 08/19/25 11:35

Lab Sample ID: 280-212146-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.22		0.050	0.015	mg/L		08/20/25 07:46	08/21/25 21:48	1
Lithium	0.013	J	0.020	0.010	mg/L		08/20/25 07:46	08/21/25 21:48	1

Client Sample ID: MW-4
Date Collected: 08/18/25 11:40
Date Received: 08/19/25 11:35

Lab Sample ID: 280-212146-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.20		0.050	0.015	mg/L		08/20/25 07:46	08/21/25 22:05	1
Lithium	0.024		0.020	0.010	mg/L		08/20/25 07:46	08/21/25 22:05	1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Client Sample ID: MW-1
Date Collected: 08/18/25 13:15
Date Received: 08/19/25 11:35

Lab Sample ID: 280-212146-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.00025	mg/L		08/20/25 07:46	08/23/25 06:26	1
Aluminum	6.2		0.10	0.025	mg/L		08/20/25 07:46	08/23/25 06:26	1
Arsenic	0.0028		0.0020	0.00050	mg/L		08/20/25 07:46	08/24/25 22:32	1
Barium	0.083		0.0020	0.00055	mg/L		08/20/25 07:46	08/23/25 06:26	1
Beryllium	ND		0.0010	0.00025	mg/L		08/20/25 07:46	08/24/25 22:32	1
Cadmium	ND		0.0010	0.00025	mg/L		08/20/25 07:46	08/23/25 06:26	1
Cobalt	0.0070		0.0010	0.00025	mg/L		08/20/25 07:46	08/24/25 22:32	1
Chromium	0.0065		0.0030	0.0010	mg/L		08/20/25 07:46	08/23/25 06:26	1
Copper	0.0064		0.0020	0.0010	mg/L		08/20/25 07:46	08/24/25 22:32	1
Iron	8.9		0.20	0.050	mg/L		08/20/25 07:46	08/24/25 22:32	1
Manganese	2.2		0.0030	0.0015	mg/L		08/20/25 07:46	08/23/25 06:26	1
Molybdenum	0.0096		0.0020	0.00050	mg/L		08/20/25 07:46	08/24/25 22:32	1
Nickel	0.0062		0.0030	0.0010	mg/L		08/20/25 07:46	08/23/25 06:26	1
Lead	0.0042		0.0010	0.00050	mg/L		08/20/25 07:46	08/23/25 06:26	1
Antimony	0.00050	J	0.0020	0.00050	mg/L		08/20/25 07:46	08/23/25 06:26	1
Selenium	0.0048		0.0020	0.00050	mg/L		08/20/25 07:46	08/24/25 22:32	1
Thallium	ND		0.0010	0.00025	mg/L		08/20/25 07:46	08/23/25 06:26	1
Uranium	0.030		0.0010	0.00025	mg/L		08/20/25 07:46	08/23/25 06:26	1
Vanadium	0.015		0.0050	0.0015	mg/L		08/20/25 07:46	08/23/25 06:26	1
Zinc	0.037		0.010	0.0050	mg/L		08/20/25 07:46	08/24/25 22:32	1

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Client Sample Results

Client: J&T Consulting, Inc.
Project/Site: Quarterly Monitoring Wells - Bernhardt Site

Job ID: 280-212146-1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Client Sample ID: MW-2
Date Collected: 08/18/25 12:00
Date Received: 08/19/25 11:35

Lab Sample ID: 280-212146-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.00025	mg/L		08/20/25 07:46	08/23/25 06:29	1
Aluminum	1.3		0.10	0.025	mg/L		08/20/25 07:46	08/23/25 06:29	1
Arsenic	ND		0.0020	0.00050	mg/L		08/20/25 07:46	08/24/25 22:35	1
Barium	0.039		0.0020	0.00055	mg/L		08/20/25 07:46	08/23/25 06:29	1
Beryllium	ND		0.0010	0.00025	mg/L		08/20/25 07:46	08/24/25 22:35	1
Cadmium	ND		0.0010	0.00025	mg/L		08/20/25 07:46	08/23/25 06:29	1
Cobalt	0.0038		0.0010	0.00025	mg/L		08/20/25 07:46	08/24/25 22:35	1
Chromium	0.0014	J	0.0030	0.0010	mg/L		08/20/25 07:46	08/23/25 06:29	1
Copper	0.0011	J	0.0020	0.0010	mg/L		08/20/25 07:46	08/24/25 22:35	1
Iron	1.8		0.20	0.050	mg/L		08/20/25 07:46	08/24/25 22:35	1
Manganese	0.72		0.0030	0.0015	mg/L		08/20/25 07:46	08/23/25 06:29	1
Molybdenum	0.0079		0.0020	0.00050	mg/L		08/20/25 07:46	08/24/25 22:35	1
Nickel	0.0038		0.0030	0.0010	mg/L		08/20/25 07:46	08/23/25 06:29	1
Lead	0.00093	J	0.0010	0.00050	mg/L		08/20/25 07:46	08/23/25 06:29	1
Antimony	ND		0.0020	0.00050	mg/L		08/20/25 07:46	08/23/25 06:29	1
Selenium	0.0020		0.0020	0.00050	mg/L		08/20/25 07:46	08/24/25 22:35	1
Thallium	ND		0.0010	0.00025	mg/L		08/20/25 07:46	08/23/25 06:29	1
Uranium	0.024		0.0010	0.00025	mg/L		08/20/25 07:46	08/23/25 06:29	1
Vanadium	0.0033	J	0.0050	0.0015	mg/L		08/20/25 07:46	08/23/25 06:29	1
Zinc	0.0082	J	0.010	0.0050	mg/L		08/20/25 07:46	08/24/25 22:35	1

Client Sample ID: MW-3
Date Collected: 08/18/25 12:45
Date Received: 08/19/25 11:35

Lab Sample ID: 280-212146-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.00025	mg/L		08/20/25 07:46	08/23/25 06:38	1
Aluminum	0.092	J	0.10	0.025	mg/L		08/20/25 07:46	08/23/25 06:38	1
Arsenic	0.0014	J	0.0020	0.00050	mg/L		08/20/25 07:46	08/23/25 06:38	1
Barium	0.041		0.0020	0.00055	mg/L		08/20/25 07:46	08/23/25 06:38	1
Beryllium	ND		0.0010	0.00025	mg/L		08/20/25 07:46	08/24/25 22:43	1
Cadmium	ND		0.0010	0.00025	mg/L		08/20/25 07:46	08/23/25 06:38	1
Cobalt	0.0020		0.0010	0.00025	mg/L		08/20/25 07:46	08/24/25 22:43	1
Chromium	ND		0.0030	0.0010	mg/L		08/20/25 07:46	08/23/25 06:38	1
Copper	ND		0.0020	0.0010	mg/L		08/20/25 07:46	08/24/25 22:43	1
Iron	0.14	J	0.20	0.050	mg/L		08/20/25 07:46	08/24/25 22:43	1
Manganese	0.35		0.0030	0.0015	mg/L		08/20/25 07:46	08/23/25 06:38	1
Molybdenum	0.0055		0.0020	0.00050	mg/L		08/20/25 07:46	08/23/25 06:38	1
Nickel	0.0034		0.0030	0.0010	mg/L		08/20/25 07:46	08/23/25 06:38	1
Lead	ND		0.0010	0.00050	mg/L		08/20/25 07:46	08/23/25 06:38	1
Antimony	ND		0.0020	0.00050	mg/L		08/20/25 07:46	08/23/25 06:38	1
Selenium	0.00097	J	0.0020	0.00050	mg/L		08/20/25 07:46	08/23/25 06:38	1
Thallium	ND		0.0010	0.00025	mg/L		08/20/25 07:46	08/23/25 06:38	1
Uranium	0.022		0.0010	0.00025	mg/L		08/20/25 07:46	08/23/25 06:38	1
Vanadium	0.0016	J	0.0050	0.0015	mg/L		08/20/25 07:46	08/23/25 06:38	1
Zinc	0.0083	J	0.010	0.0050	mg/L		08/20/25 07:46	08/23/25 06:38	1

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Client Sample Results

Client: J&T Consulting, Inc.
Project/Site: Quarterly Monitoring Wells - Bernhardt Site

Job ID: 280-212146-1

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Client Sample ID: MW-4
Date Collected: 08/18/25 11:40
Date Received: 08/19/25 11:35

Lab Sample ID: 280-212146-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.00025	mg/L		08/20/25 07:46	08/23/25 06:40	1
Aluminum	0.33		0.10	0.025	mg/L		08/20/25 07:46	08/23/25 06:40	1
Arsenic	0.0020		0.0020	0.00050	mg/L		08/20/25 07:46	08/23/25 06:40	1
Barium	0.078		0.0020	0.00055	mg/L		08/20/25 07:46	08/23/25 06:40	1
Beryllium	ND		0.0010	0.00025	mg/L		08/20/25 07:46	08/24/25 22:46	1
Cadmium	ND		0.0010	0.00025	mg/L		08/20/25 07:46	08/23/25 06:40	1
Cobalt	0.0017		0.0010	0.00025	mg/L		08/20/25 07:46	08/24/25 22:46	1
Chromium	ND		0.0030	0.0010	mg/L		08/20/25 07:46	08/23/25 06:40	1
Copper	0.0027		0.0020	0.0010	mg/L		08/20/25 07:46	08/24/25 22:46	1
Iron	0.81		0.20	0.050	mg/L		08/20/25 07:46	08/24/25 22:46	1
Manganese	0.21		0.0030	0.0015	mg/L		08/20/25 07:46	08/23/25 06:40	1
Molybdenum	0.0048		0.0020	0.00050	mg/L		08/20/25 07:46	08/23/25 06:40	1
Nickel	0.0037		0.0030	0.0010	mg/L		08/20/25 07:46	08/23/25 06:40	1
Lead	0.0011		0.0010	0.00050	mg/L		08/20/25 07:46	08/23/25 06:40	1
Antimony	0.0010	J	0.0020	0.00050	mg/L		08/20/25 07:46	08/23/25 06:40	1
Selenium	0.0020		0.0020	0.00050	mg/L		08/20/25 07:46	08/23/25 06:40	1
Thallium	ND		0.0010	0.00025	mg/L		08/20/25 07:46	08/23/25 06:40	1
Uranium	0.012		0.0010	0.00025	mg/L		08/20/25 07:46	08/23/25 06:40	1
Vanadium	0.0024	J	0.0050	0.0015	mg/L		08/20/25 07:46	08/23/25 06:40	1
Zinc	0.015		0.010	0.0050	mg/L		08/20/25 07:46	08/23/25 06:40	1

Method: EPA 245.1 - Mercury (CVAA) - Dissolved

Client Sample ID: MW-1
Date Collected: 08/18/25 13:15
Date Received: 08/19/25 11:35

Lab Sample ID: 280-212146-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000060	mg/L		08/20/25 08:48	08/21/25 11:56	1

Client Sample ID: MW-2
Date Collected: 08/18/25 12:00
Date Received: 08/19/25 11:35

Lab Sample ID: 280-212146-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000060	mg/L		08/20/25 08:48	08/21/25 12:03	1

Client Sample ID: MW-3
Date Collected: 08/18/25 12:45
Date Received: 08/19/25 11:35

Lab Sample ID: 280-212146-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000060	mg/L		08/20/25 08:48	08/21/25 12:04	1

Client Sample ID: MW-4
Date Collected: 08/18/25 11:40
Date Received: 08/19/25 11:35

Lab Sample ID: 280-212146-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000060	mg/L		08/20/25 08:48	08/21/25 12:05	1

Client Sample Results

Client: J&T Consulting, Inc.
Project/Site: Quarterly Monitoring Wells - Bernhardt Site

Job ID: 280-212146-1

General Chemistry

Client Sample ID: MW-1
Date Collected: 08/18/25 13:15
Date Received: 08/19/25 11:35

Lab Sample ID: 280-212146-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (EPA 353.2)	0.28		0.20	0.060	mg/L			08/27/25 10:47	1
Total Dissolved Solids (TDS) (SM 2540C)	990		20	12	mg/L			08/20/25 09:04	1

Client Sample ID: MW-2
Date Collected: 08/18/25 12:00
Date Received: 08/19/25 11:35

Lab Sample ID: 280-212146-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (EPA 353.2)	0.35		0.20	0.060	mg/L			08/27/25 10:51	1
Total Dissolved Solids (TDS) (SM 2540C)	780		10	6.0	mg/L			08/20/25 09:04	1

Client Sample ID: MW-3
Date Collected: 08/18/25 12:45
Date Received: 08/19/25 11:35

Lab Sample ID: 280-212146-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (EPA 353.2)	1.9		0.20	0.060	mg/L			08/27/25 10:52	1
Total Dissolved Solids (TDS) (SM 2540C)	790		10	6.0	mg/L			08/20/25 09:04	1

Client Sample ID: MW-4
Date Collected: 08/18/25 11:40
Date Received: 08/19/25 11:35

Lab Sample ID: 280-212146-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (EPA 353.2)	1.9		0.20	0.060	mg/L			08/27/25 10:54	1
Total Dissolved Solids (TDS) (SM 2540C)	790		10	6.0	mg/L			08/20/25 09:04	1

General Chemistry - Dissolved

Client Sample ID: MW-1
Date Collected: 08/18/25 13:15
Date Received: 08/19/25 11:35

Lab Sample ID: 280-212146-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	83		3.0	1.3	mg/L			08/20/25 19:47	1
Sulfate (EPA 300.0)	450		15	6.5	mg/L			08/22/25 04:54	5
Fluoride (EPA 300.0)	0.93		0.50	0.20	mg/L			08/20/25 19:47	1

Client Sample ID: MW-2
Date Collected: 08/18/25 12:00
Date Received: 08/19/25 11:35

Lab Sample ID: 280-212146-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	81		3.0	1.3	mg/L			08/20/25 20:02	1
Sulfate (EPA 300.0)	290		15	6.5	mg/L			08/22/25 04:11	5
Fluoride (EPA 300.0)	0.73		0.50	0.20	mg/L			08/20/25 20:02	1

Client Sample ID: MW-3
Date Collected: 08/18/25 12:45
Date Received: 08/19/25 11:35

Lab Sample ID: 280-212146-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	130		3.0	1.3	mg/L			08/20/25 20:44	1
Sulfate (EPA 300.0)	260		15	6.5	mg/L			08/20/25 20:58	5

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Client Sample Results

Client: J&T Consulting, Inc.
Project/Site: Quarterly Monitoring Wells - Bernhardt Site

Job ID: 280-212146-1

General Chemistry - Dissolved (Continued)

Client Sample ID: MW-3
Date Collected: 08/18/25 12:45
Date Received: 08/19/25 11:35

Lab Sample ID: 280-212146-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	0.81		0.50	0.20	mg/L			08/20/25 20:44	1

Client Sample ID: MW-4
Date Collected: 08/18/25 11:40
Date Received: 08/19/25 11:35

Lab Sample ID: 280-212146-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	150		3.0	1.3	mg/L			08/20/25 21:40	1
Sulfate (EPA 300.0)	240		15	6.5	mg/L			08/20/25 21:54	5
Fluoride (EPA 300.0)	0.70		0.50	0.20	mg/L			08/20/25 21:40	1

QC Sample Results

Client: J&T Consulting, Inc.
Project/Site: Quarterly Monitoring Wells - Bernhardt Site

Job ID: 280-212146-1

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 280-709826/1-A
Matrix: Water
Analysis Batch: 710320

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 709826

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	ND		0.050	0.015	mg/L		08/20/25 07:46	08/21/25 20:03	1
Lithium	ND		0.020	0.010	mg/L		08/20/25 07:46	08/21/25 20:03	1

Lab Sample ID: LCS 280-709826/2-A
Matrix: Water
Analysis Batch: 710320

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 709826

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	2.00	2.07		mg/L		104	85 - 115
Lithium	1.00	0.996		mg/L		100	85 - 115

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 280-709826/1-A
Matrix: Water
Analysis Batch: 710479

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 709826

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0010	0.00025	mg/L		08/20/25 07:46	08/23/25 05:38	1
Aluminum	ND		0.10	0.025	mg/L		08/20/25 07:46	08/23/25 05:38	1
Barium	ND		0.0020	0.00055	mg/L		08/20/25 07:46	08/23/25 05:38	1
Beryllium	ND		0.0010	0.00025	mg/L		08/20/25 07:46	08/23/25 05:38	1
Cadmium	ND		0.0010	0.00025	mg/L		08/20/25 07:46	08/23/25 05:38	1
Chromium	ND		0.0030	0.0010	mg/L		08/20/25 07:46	08/23/25 05:38	1
Manganese	ND		0.0030	0.0015	mg/L		08/20/25 07:46	08/23/25 05:38	1
Nickel	ND		0.0030	0.0010	mg/L		08/20/25 07:46	08/23/25 05:38	1
Lead	ND		0.0010	0.00050	mg/L		08/20/25 07:46	08/23/25 05:38	1
Antimony	ND		0.0020	0.00050	mg/L		08/20/25 07:46	08/23/25 05:38	1
Thallium	ND		0.0010	0.00025	mg/L		08/20/25 07:46	08/23/25 05:38	1
Uranium	ND		0.0010	0.00025	mg/L		08/20/25 07:46	08/23/25 05:38	1
Vanadium	ND		0.0050	0.0015	mg/L		08/20/25 07:46	08/23/25 05:38	1

Lab Sample ID: MB 280-709826/1-A
Matrix: Water
Analysis Batch: 710494

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 709826

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0020	0.00050	mg/L		08/20/25 07:46	08/24/25 21:46	1
Cobalt	ND		0.0010	0.00025	mg/L		08/20/25 07:46	08/24/25 21:46	1
Copper	ND		0.0020	0.0010	mg/L		08/20/25 07:46	08/24/25 21:46	1
Iron	ND		0.20	0.050	mg/L		08/20/25 07:46	08/24/25 21:46	1
Molybdenum	ND		0.0020	0.00050	mg/L		08/20/25 07:46	08/24/25 21:46	1
Selenium	ND		0.0020	0.00050	mg/L		08/20/25 07:46	08/24/25 21:46	1
Zinc	ND		0.010	0.0050	mg/L		08/20/25 07:46	08/24/25 21:46	1

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QC Sample Results

Client: J&T Consulting, Inc.
Project/Site: Quarterly Monitoring Wells - Bernhardt Site

Job ID: 280-212146-1

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 280-709826/26-A

Matrix: Water

Analysis Batch: 710479

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 709826

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	0.0400	0.0396		mg/L		99	90 - 114
Aluminum	0.800	0.704		mg/L		88	85 - 115
Barium	0.0400	0.0370		mg/L		92	89 - 115
Beryllium	0.0400	0.0372		mg/L		93	85 - 115
Cadmium	0.0400	0.0359		mg/L		90	89 - 111
Chromium	0.0400	0.0364		mg/L		91	86 - 115
Manganese	0.0400	0.0360		mg/L		90	87 - 115
Nickel	0.0400	0.0369		mg/L		92	86 - 115
Lead	0.0400	0.0365		mg/L		91	88 - 115
Antimony	0.0400	0.0361		mg/L		90	85 - 115
Thallium	0.0400	0.0368		mg/L		92	86 - 115
Uranium	0.0400	0.0376		mg/L		94	85 - 115
Vanadium	0.0400	0.0383		mg/L		96	90 - 115

Lab Sample ID: LCS 280-709826/26-A

Matrix: Water

Analysis Batch: 710494

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 709826

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0400	0.0379		mg/L		95	89 - 111
Cobalt	0.0400	0.0367		mg/L		92	92 - 115
Copper	0.0400	0.0364		mg/L		91	90 - 115
Iron	0.800	0.848		mg/L		106	85 - 115
Molybdenum	0.0400	0.0373		mg/L		93	89 - 112
Selenium	0.0400	0.0370		mg/L		92	85 - 114
Zinc	0.0400	0.0430		mg/L		107	88 - 115

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 280-709846/1-A

Matrix: Water

Analysis Batch: 710156

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 709846

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000060	mg/L		08/20/25 08:48	08/21/25 11:31	1

Lab Sample ID: LCS 280-709846/2-A

Matrix: Water

Analysis Batch: 710156

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 709846

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00500	0.00511		mg/L		102	85 - 115

Lab Sample ID: 280-212146-1 MS

Matrix: Water

Analysis Batch: 710156

Client Sample ID: MW-1

Prep Type: Dissolved

Prep Batch: 709846

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.00500	0.00512		mg/L		102	80 - 120

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QC Sample Results

Client: J&T Consulting, Inc.
Project/Site: Quarterly Monitoring Wells - Bernhardt Site

Job ID: 280-212146-1

Method: 245.1 - Mercury (CVAA) (Continued)

Lab Sample ID: 280-212146-1 MSD
Matrix: Water
Analysis Batch: 710156

Client Sample ID: MW-1
Prep Type: Dissolved
Prep Batch: 709846

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.00500	0.00522		mg/L		104	80 - 120	2	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 280-709941/6
Matrix: Water
Analysis Batch: 709941

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	1.3	mg/L			08/20/25 15:06	1
Sulfate	ND		3.0	1.3	mg/L			08/20/25 15:06	1
Fluoride	ND		0.50	0.20	mg/L			08/20/25 15:06	1

Lab Sample ID: LCS 280-709941/4
Matrix: Water
Analysis Batch: 709941

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	100	101		mg/L		101	90 - 110
Sulfate	100	101		mg/L		101	90 - 110
Fluoride	5.00	4.90		mg/L		98	90 - 110

Lab Sample ID: LCSD 280-709941/5
Matrix: Water
Analysis Batch: 709941

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	100	101		mg/L		101	90 - 110	0	10
Sulfate	100	101		mg/L		101	90 - 110	0	10
Fluoride	5.00	4.89		mg/L		98	90 - 110	0	10

Lab Sample ID: MRL 280-709941/3
Matrix: Water
Analysis Batch: 709941

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3.00	3.00		mg/L		100	50 - 150
Sulfate	3.00	2.90	J	mg/L		97	50 - 150
Fluoride	0.500	0.468	J	mg/L		94	50 - 150

Lab Sample ID: MB 280-710162/6
Matrix: Water
Analysis Batch: 710162

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		3.0	1.3	mg/L			08/21/25 19:02	1

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QC Sample Results

Client: J&T Consulting, Inc.
Project/Site: Quarterly Monitoring Wells - Bernhardt Site

Job ID: 280-212146-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 280-710162/4

Matrix: Water

Analysis Batch: 710162

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	100	101		mg/L		101	90 - 110

Lab Sample ID: LCSD 280-710162/5

Matrix: Water

Analysis Batch: 710162

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	100	101		mg/L		101	90 - 110	0	10

Lab Sample ID: MRL 280-710162/3

Matrix: Water

Analysis Batch: 710162

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	3.00	3.09		mg/L		103	50 - 150

Lab Sample ID: 280-212146-1 MS

Matrix: Water

Analysis Batch: 710162

Client Sample ID: MW-1

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	450		250	709		mg/L		102	90 - 110

Lab Sample ID: 280-212146-1 MSD

Matrix: Water

Analysis Batch: 710162

Client Sample ID: MW-1

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	450		250	709		mg/L		102	90 - 110	0	15

Lab Sample ID: 280-212146-1 DU

Matrix: Water

Analysis Batch: 710162

Client Sample ID: MW-1

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	DU Result	DU Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	450			454		mg/L				0	15

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 280-711066/20

Matrix: Water

Analysis Batch: 711066

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.20	0.060	mg/L			08/27/25 10:21	1

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QC Sample Results

Client: J&T Consulting, Inc.
Project/Site: Quarterly Monitoring Wells - Bernhardt Site

Job ID: 280-212146-1

Method: 353.2 - Nitrogen, Nitrate-Nitrite (Continued)

Lab Sample ID: LCS 280-711066/21

Matrix: Water

Analysis Batch: 711066

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	1.00	1.01		mg/L		101	90 - 110

Lab Sample ID: LCSD 280-711066/22

Matrix: Water

Analysis Batch: 711066

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	1.00	1.00		mg/L		100	90 - 110	0	10

Lab Sample ID: 280-212146-1 MS

Matrix: Water

Analysis Batch: 711066

Client Sample ID: MW-1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	0.28		2.00	2.19		mg/L		95	90 - 110

Lab Sample ID: 280-212146-1 MSD

Matrix: Water

Analysis Batch: 711066

Client Sample ID: MW-1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	0.28		2.00	2.20		mg/L		96	90 - 110	1	10

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 280-709857/1

Matrix: Water

Analysis Batch: 709857

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (TDS)	ND		10	6.0	mg/L			08/20/25 09:04	1

Lab Sample ID: LCS 280-709857/2

Matrix: Water

Analysis Batch: 709857

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids (TDS)	501	505		mg/L		101	88 - 114

QC Association Summary

Client: J&T Consulting, Inc.
Project/Site: Quarterly Monitoring Wells - Bernhardt Site

Job ID: 280-212146-1

Metals

Prep Batch: 709826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-212146-1	MW-1	Dissolved	Water	200.7	
280-212146-2	MW-2	Dissolved	Water	200.7	
280-212146-3	MW-3	Dissolved	Water	200.7	
280-212146-4	MW-4	Dissolved	Water	200.7	
MB 280-709826/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 280-709826/26-A	Lab Control Sample	Total Recoverable	Water	200.7	
LCS 280-709826/2-A	Lab Control Sample	Total Recoverable	Water	200.7	

Prep Batch: 709846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-212146-1	MW-1	Dissolved	Water	245.1	
280-212146-2	MW-2	Dissolved	Water	245.1	
280-212146-3	MW-3	Dissolved	Water	245.1	
280-212146-4	MW-4	Dissolved	Water	245.1	
MB 280-709846/1-A	Method Blank	Total/NA	Water	245.1	
LCS 280-709846/2-A	Lab Control Sample	Total/NA	Water	245.1	
280-212146-1 MS	MW-1	Dissolved	Water	245.1	
280-212146-1 MSD	MW-1	Dissolved	Water	245.1	

Analysis Batch: 710156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-212146-1	MW-1	Dissolved	Water	245.1	709846
280-212146-2	MW-2	Dissolved	Water	245.1	709846
280-212146-3	MW-3	Dissolved	Water	245.1	709846
280-212146-4	MW-4	Dissolved	Water	245.1	709846
MB 280-709846/1-A	Method Blank	Total/NA	Water	245.1	709846
LCS 280-709846/2-A	Lab Control Sample	Total/NA	Water	245.1	709846
280-212146-1 MS	MW-1	Dissolved	Water	245.1	709846
280-212146-1 MSD	MW-1	Dissolved	Water	245.1	709846

Analysis Batch: 710320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-212146-1	MW-1	Dissolved	Water	200.7 Rev 4.4	709826
280-212146-2	MW-2	Dissolved	Water	200.7 Rev 4.4	709826
280-212146-3	MW-3	Dissolved	Water	200.7 Rev 4.4	709826
280-212146-4	MW-4	Dissolved	Water	200.7 Rev 4.4	709826
MB 280-709826/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	709826
LCS 280-709826/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	709826

Analysis Batch: 710479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-212146-1	MW-1	Dissolved	Water	200.8	709826
280-212146-2	MW-2	Dissolved	Water	200.8	709826
280-212146-3	MW-3	Dissolved	Water	200.8	709826
280-212146-4	MW-4	Dissolved	Water	200.8	709826
MB 280-709826/1-A	Method Blank	Total Recoverable	Water	200.8	709826
LCS 280-709826/26-A	Lab Control Sample	Total Recoverable	Water	200.8	709826

Analysis Batch: 710494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-212146-1	MW-1	Dissolved	Water	200.8	709826

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QC Association Summary

Client: J&T Consulting, Inc.
Project/Site: Quarterly Monitoring Wells - Bernhardt Site

Job ID: 280-212146-1

Metals (Continued)

Analysis Batch: 710494 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-212146-2	MW-2	Dissolved	Water	200.8	709826
280-212146-3	MW-3	Dissolved	Water	200.8	709826
280-212146-4	MW-4	Dissolved	Water	200.8	709826
MB 280-709826/1-A	Method Blank	Total Recoverable	Water	200.8	709826
LCS 280-709826/26-A	Lab Control Sample	Total Recoverable	Water	200.8	709826

General Chemistry

Analysis Batch: 709857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-212146-1	MW-1	Total/NA	Water	SM 2540C	
280-212146-2	MW-2	Total/NA	Water	SM 2540C	
280-212146-3	MW-3	Total/NA	Water	SM 2540C	
280-212146-4	MW-4	Total/NA	Water	SM 2540C	
MB 280-709857/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 280-709857/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 709941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-212146-1	MW-1	Dissolved	Water	300.0	
280-212146-2	MW-2	Dissolved	Water	300.0	
280-212146-3	MW-3	Dissolved	Water	300.0	
280-212146-3	MW-3	Dissolved	Water	300.0	
280-212146-4	MW-4	Dissolved	Water	300.0	
280-212146-4	MW-4	Dissolved	Water	300.0	
MB 280-709941/6	Method Blank	Total/NA	Water	300.0	
LCS 280-709941/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 280-709941/5	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 280-709941/3	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 710162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-212146-1	MW-1	Dissolved	Water	300.0	
280-212146-2	MW-2	Dissolved	Water	300.0	
MB 280-710162/6	Method Blank	Total/NA	Water	300.0	
LCS 280-710162/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 280-710162/5	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 280-710162/3	Lab Control Sample	Total/NA	Water	300.0	
280-212146-1 MS	MW-1	Dissolved	Water	300.0	
280-212146-1 MSD	MW-1	Dissolved	Water	300.0	
280-212146-1 DU	MW-1	Dissolved	Water	300.0	

Analysis Batch: 711066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-212146-1	MW-1	Total/NA	Water	353.2	
280-212146-2	MW-2	Total/NA	Water	353.2	
280-212146-3	MW-3	Total/NA	Water	353.2	
280-212146-4	MW-4	Total/NA	Water	353.2	
MB 280-711066/20	Method Blank	Total/NA	Water	353.2	
LCS 280-711066/21	Lab Control Sample	Total/NA	Water	353.2	
LCSD 280-711066/22	Lab Control Sample Dup	Total/NA	Water	353.2	

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QC Association Summary

Client: J&T Consulting, Inc.
Project/Site: Quarterly Monitoring Wells - Bernhardt Site

Job ID: 280-212146-1

General Chemistry (Continued)

Analysis Batch: 711066 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-212146-1 MS	MW-1	Total/NA	Water	353.2	
280-212146-1 MSD	MW-1	Total/NA	Water	353.2	

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Lab Chronicle

Client: J&T Consulting, Inc.
Project/Site: Quarterly Monitoring Wells - Bernhardt Site

Job ID: 280-212146-1

Client Sample ID: MW-1

Date Collected: 08/18/25 13:15

Date Received: 08/19/25 11:35

Lab Sample ID: 280-212146-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200.7			50 mL	50 mL	709826	08/20/25 07:46	AR	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			710320	08/21/25 21:40	ADL	EET DEN
Dissolved	Prep	200.7			50 mL	50 mL	709826	08/20/25 07:46	AR	EET DEN
Dissolved	Analysis	200.8		1			710479	08/23/25 06:26	LMT	EET DEN
Dissolved	Prep	200.7			50 mL	50 mL	709826	08/20/25 07:46	AR	EET DEN
Dissolved	Analysis	200.8		1			710494	08/24/25 22:32	LMT	EET DEN
Dissolved	Prep	245.1			30 mL	50 mL	709846	08/20/25 08:48	AES	EET DEN
Dissolved	Analysis	245.1		1			710156	08/21/25 11:56	AES	EET DEN
Dissolved	Analysis	300.0		1	10 mL	10 mL	709941	08/20/25 19:47	SLH	EET DEN
Dissolved	Analysis	300.0		5	10 mL	10 mL	710162	08/22/25 04:54	SLH	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	711066	08/27/25 10:47	AKF	EET DEN
Total/NA	Analysis	SM 2540C		1	50 mL	100 mL	709857	08/20/25 09:04	YBF	EET DEN

Client Sample ID: MW-2

Date Collected: 08/18/25 12:00

Date Received: 08/19/25 11:35

Lab Sample ID: 280-212146-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200.7			50 mL	50 mL	709826	08/20/25 07:46	AR	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			710320	08/21/25 21:44	ADL	EET DEN
Dissolved	Prep	200.7			50 mL	50 mL	709826	08/20/25 07:46	AR	EET DEN
Dissolved	Analysis	200.8		1			710479	08/23/25 06:29	LMT	EET DEN
Dissolved	Prep	200.7			50 mL	50 mL	709826	08/20/25 07:46	AR	EET DEN
Dissolved	Analysis	200.8		1			710494	08/24/25 22:35	LMT	EET DEN
Dissolved	Prep	245.1			30 mL	50 mL	709846	08/20/25 08:48	AES	EET DEN
Dissolved	Analysis	245.1		1			710156	08/21/25 12:03	AES	EET DEN
Dissolved	Analysis	300.0		1	10 mL	10 mL	709941	08/20/25 20:02	SLH	EET DEN
Dissolved	Analysis	300.0		5	10 mL	10 mL	710162	08/22/25 04:11	SLH	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	711066	08/27/25 10:51	AKF	EET DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	709857	08/20/25 09:04	YBF	EET DEN

Client Sample ID: MW-3

Date Collected: 08/18/25 12:45

Date Received: 08/19/25 11:35

Lab Sample ID: 280-212146-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200.7			50 mL	50 mL	709826	08/20/25 07:46	AR	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			710320	08/21/25 21:48	ADL	EET DEN
Dissolved	Prep	200.7			50 mL	50 mL	709826	08/20/25 07:46	AR	EET DEN
Dissolved	Analysis	200.8		1			710479	08/23/25 06:38	LMT	EET DEN
Dissolved	Prep	200.7			50 mL	50 mL	709826	08/20/25 07:46	AR	EET DEN
Dissolved	Analysis	200.8		1			710494	08/24/25 22:43	LMT	EET DEN
Dissolved	Prep	245.1			30 mL	50 mL	709846	08/20/25 08:48	AES	EET DEN
Dissolved	Analysis	245.1		1			710156	08/21/25 12:04	AES	EET DEN

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Lab Chronicle

Client: J&T Consulting, Inc.
Project/Site: Quarterly Monitoring Wells - Bernhardt Site

Job ID: 280-212146-1

Client Sample ID: MW-3

Date Collected: 08/18/25 12:45

Date Received: 08/19/25 11:35

Lab Sample ID: 280-212146-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	300.0		1	10 mL	10 mL	709941	08/20/25 20:44	SLH	EET DEN
Dissolved	Analysis	300.0		5	10 mL	10 mL	709941	08/20/25 20:58	SLH	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	711066	08/27/25 10:52	AKF	EET DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	709857	08/20/25 09:04	YBF	EET DEN

Client Sample ID: MW-4

Date Collected: 08/18/25 11:40

Date Received: 08/19/25 11:35

Lab Sample ID: 280-212146-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	200.7			50 mL	50 mL	709826	08/20/25 07:46	AR	EET DEN
Dissolved	Analysis	200.7 Rev 4.4		1			710320	08/21/25 22:05	ADL	EET DEN
Dissolved	Prep	200.7			50 mL	50 mL	709826	08/20/25 07:46	AR	EET DEN
Dissolved	Analysis	200.8		1			710479	08/23/25 06:40	LMT	EET DEN
Dissolved	Prep	200.7			50 mL	50 mL	709826	08/20/25 07:46	AR	EET DEN
Dissolved	Analysis	200.8		1			710494	08/24/25 22:46	LMT	EET DEN
Dissolved	Prep	245.1			30 mL	50 mL	709846	08/20/25 08:48	AES	EET DEN
Dissolved	Analysis	245.1		1			710156	08/21/25 12:05	AES	EET DEN
Dissolved	Analysis	300.0		1	10 mL	10 mL	709941	08/20/25 21:40	SLH	EET DEN
Dissolved	Analysis	300.0		5	10 mL	10 mL	709941	08/20/25 21:54	SLH	EET DEN
Total/NA	Analysis	353.2		1	100 mL	100 mL	711066	08/27/25 10:54	AKF	EET DEN
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	709857	08/20/25 09:04	YBF	EET DEN

Laboratory References:

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Accreditation/Certification Summary

Client: J&T Consulting, Inc.
Project/Site: Quarterly Monitoring Wells - Bernhardt Site

Job ID: 280-212146-1

Laboratory: Eurofins Denver

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	2907.01	10-31-26
A2LA	ISO/IEC 17025	2907.01	10-31-26
Alabama	State Program	40730	09-30-12 *
Alaska (UST)	State	18-001	11-30-25
Arizona	State	AZ0713	12-20-25
Arkansas DEQ	State	88-00687	04-02-26
California	State	2513	01-08-26
Colorado	Petroleum Storage Tank Program	2907.01 (A2LA)	10-31-26
Colorado	State	CO00026	06-30-26
Connecticut	State	PH-0686	09-30-26
Florida	NELAP	E87667	06-30-26
Georgia	State	4025	01-08-26
Illinois	NELAP	200017	05-31-26
Iowa	State	370	12-01-26
Kansas	NELAP	E-10166	04-30-26
Kentucky (WW)	State	KY98047	12-31-25
Louisiana	NELAP	30785	06-30-14 *
Louisiana (All)	NELAP	30785	06-30-26
Minnesota	NELAP	1788752	12-31-25
Montana (DW)	State	CERT0117	01-01-26
Nevada	State	CO00026	07-31-26
New Hampshire	NELAP	2053	04-28-26
New Jersey	NELAP	CO004	06-30-26
New York	NELAP	11964	04-01-26
North Dakota	State	R-034	07-25-25 *
Oklahoma	NELAP	8614	08-31-25
Oregon	NELAP	4025	01-08-26
Pennsylvania	NELAP	68-00664	07-31-26
South Carolina	State	72002001	01-18-26
Texas	NELAP	TX104704183-08-TX	09-30-09 *
Texas	NELAP	T104704183	09-30-25
US Fish & Wildlife	US Federal Programs	058448	07-31-26
USDA	US Federal Programs	P330-20-00065	12-19-25
Utah	NELAP	QUAN5	06-30-13 *
Utah	NELAP	CO00026	07-31-25 *
Virginia	NELAP	460232	06-14-26
Washington	State	C583	08-03-26
West Virginia DEP	State	354	11-30-25
Wisconsin	State	999615430	08-31-26
Wyoming (UST)	A2LA	2907.01	06-09-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

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Login Sample Receipt Checklist

Client: J&T Consulting, Inc.

Job Number: 280-212146-1

Login Number: 212146

List Source: Eurofins Denver

List Number: 1

Creator: Roehsner, Karen P

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	