

DATA PACKAGE

SUB - DATA

PROJECT NAME : WALTER GLADWIN RECREATION CENTER, BRONX, NY

LIRO ENGINEERS, INC.

690 Delaware Ave.

Buffalo, NY - 14209

Phone No: 716-882-5476

ORDER ID : P1747

ATTENTION : Steve Frank





Cover Page

Order ID : P1747

Project ID : Walter Gladwin Recreation Center, Bronx, NY

Client : LiRo Engineers, Inc.

Lab Sample Number

P1747-01
P1747-02
P1747-03
P1747-04
P1747-05
P1747-06
P1747-07
P1747-08
P1747-09
P1747-10

Client Sample Number

MW-01
MW-01-DUP
MW-01
MW-02
MW-04
TRIP-BLANK
MW-01
MW-01-DUP
MW-02
MW-04

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 3/18/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: <http://www.settek.com>

March 19, 2024

Yazmeen Gomez
Chemtech
284 Sheffield Street
Mountainside, NJ 07092
TEL:
FAX:
RE: P1747

Dear Yazmeen Gomez:

Order No.: 24031172

Summit Environmental Technologies, Inc. received 1 sample(s) on 3/15/2024 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except where noted.

If you have any questions regarding these tests results, please feel free to call the laboratory.

Sincerely,

Jennifer Woolf

Project Manager

3310 Win St.
Cuyahoga Falls, Ohio 44223

Arkansas 88-0735, California 2943, Colorado, Connecticut PH-0108, Florida NELAC E87688, Idaho OH00923, Illinois 200061, Indiana C-OH-13, ISO/IEC 17025:2017 119125 L22-544, Kansas E-10347, Kentucky (Underground Storage Tank) 3, Kentucky 90146, Maryland 339, Michigan 9988, Minnesota 1780279, Nevada OH009232020-1, New Hampshire 2996, New Jersey OH006, New York 11777, North Carolina 39705 and 631, North Dakota R-201, Ohio DW, Ohio VAP CL0052, Oklahoma 2019-155, Oregon OH200001, Pennsylvania 68-01335, Rhode Island LA000317, South Carolina 92016001, Texas T104704466-19-16, Utah OH009232020-12, Virginia VELAP 10381, West Virginia 9957C



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Case Narrative

WO#: 24031172
Date: 3/19/2024

CLIENT: Chemtech

Project: P1747

WorkOrder Narrative:

24031172: This report in its entirety consists of the following documents: Cover Letter, Case Narrative, Analytical Results, QC Summary Report, Applicable Accreditation Information, Chain-of-Custody, Cooler Receipt Form, and other applicable forms as necessary. All documents contain the Summit Environmental Technologies, Inc., Work Order Number assigned to this report.

Summit Environmental Technologies, Inc., holds the accreditations/certifications listed at the bottom of the cover letter that may or may not pertain to this report. Please refer to the "Accreditation Program Analytes Report" for accredited analytes list.

The information contained in this analytical report is the sole property of Summit Environmental Technologies, Inc. and that of the customer. It cannot be reproduced in any form without the consent of Summit Environmental Technologies, Inc. or the customer for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Summit Environmental Technologies, Inc. is not responsible for use or interpretation of the data included herein.

All results for Solid Samples are reported on an "as received" or "wet weight" basis unless indicated as "dry weight" using the "-dry" designation on the reporting units.

This report is believed to meet all of the requirements of the accrediting agency, where applicable. Any comments or problems with the analytical events associated with this report are noted below.

WorkOrder Comments:

Samples were received with not enough time left to analyze in hold.

Analytical Sequence Sample Notes:

24031172-001A Anions_NPW(300.0): Sample was received and analyzed outside of holding times.

Original

These commonly used Qualifiers and Acronyms may or may not be present in this report.

Qualifiers

U	The compound was analyzed for but was not detected above the MDL.
J	The reported value is greater than the Method Detection Limit but less than the Reporting Limit.
H	The hold time for sample preparation and/or analysis was exceeded. Not Clean Water Act compliant.
D	The result is reported from a dilution.
E	The result exceeded the linear range of the calibration or is estimated due to interference.
MC	The result is below the Minimum Compound Limit.
*	The result exceeds the Regulatory Limit or Maximum Contamination Limit.
m	Manual integration was used to determine the area response.
d	Manual integration in which peak was deleted
N	The result is presumptive based on a Mass Spectral library search assuming a 1:1 response.
P	The second column confirmation exceeded 25% difference.
C	The result has been confirmed by GC/MS.
X	The result was not confirmed when GC/MS Analysis was performed.
B	The analyte was detected in the Method Blank at a concentration greater than the RL.
MB+	The analyte was detected in the Method Blank at a concentration greater than the MDL.
G	The ICB or CCB contained reportable amounts of analyte.
QC-/+	The CCV recovery failed low (-) or high (+).
R/QDR	The RPD was outside of accepted recovery limits.
QL-/+	The LCS or LCSD recovery failed low (-) or high (+).
QLR	The LCS/LCSD RPD was outside of accepted recovery limits.
QM-/+	The MS or MSD recovery failed low (-) or high (+).
QMR	The MS/MSD RPD was outside of accepted recovery limits.
QV-/+	The ICV recovery failed low (-) or high (+).
S	The spike result was outside of accepted recovery limits.
W	Samples were received outside temperature limits (0° – 6° C). Not Clean Water Act compliant.
Z	Deviation; A deviation from the method was performed; Please refer to the Case Narrative for additional information

Acronyms

ND	Not Detected	RL	Reporting Limit
QC	Quality Control	MDL	Method Detection Limit
MB	Method Blank	LOD	Level of Detection
LCS	Laboratory Control Sample	LOQ	Level of Quantitation
LCSD	Laboratory Control Sample Duplicate	PQL	Practical Quantitation Limit
QCS	Quality Control Sample	CRQL	Contract Required Quantitation Limit
DUP	Duplicate	PL	Permit Limit
MS	Matrix Spike	RegLvl	Regulatory Limit
MSD	Matrix Spike Duplicate	MCL	Maximum Contamination Limit
RPD	Relative Percent Different	MinCL	Minimum Compound Limit
ICV	Initial Calibration Verification	RA	Reanalysis
ICB	Initial Calibration Blank	RE	Reextraction
CCV	Continuing Calibration Verification	TIC	Tentatively Identified Compound
CCB	Continuing Calibration Blank	RT	Retention Time
RLC	Reporting Limit Check	CF	Calibration Factor

This list of Qualifiers and Acronyms reflects the most commonly utilized Qualifiers and Acronyms for reporting. Please refer to the Analytical Notes in the Case Narrative for any Qualifiers or Acronyms that do not appear in this list or for additional information regarding the use of these Qualifiers on reported data.

Original



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TEL: (330) 253-8211 FAX: (330) 253-4489
Website: <http://www.settek.com>

Workorder Sample Summary

WO#: 24031172
19-Mar-24

CLIENT: Chemtech
Project: P1747

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
24031172-001	MW-01		3/13/2024 10:00:00 AM	3/15/2024 9:10:00 AM	Non-Potable Water



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DATES REPORT

WO#: 24031172

19-Mar-24

Client: Chemtech

Project: P1747

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Leachate Date	Prep Date	Analysis Date
24031172-001A	MW-01	3/13/2024 10:00:00 AM	Non-Potable Water	Anions by IC (EPA 300.0)			3/15/2024 10:59:00 AM

Original



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TEL: (330) 253-8211 FAX: (330) 253-4489
Website: <http://www.settek.com>

WO#: 24031172
Date Reported: 3/19/2024
Company: Chemtech
Address: 284 Sheffield Street
Mountainside NJ 07092
Received: 3/15/2024
Project#: P1747

Client ID#	Lab ID#	Collected	Analyte	Result Units	Qual	Matrix	Method	DF	MDL	PQL	Run	Analyst
MW-01	001	3/13/2024	Nitrate/Nitrite	0.0430 mg/L	JH	Non-Potable Water	EPA 300.0 R2.1 1993	1	0.0170	0.100	3/15/2024	TAL
MW-01	001	3/13/2024	Nitrate-N	0.0430 mg/L	JH	Non-Potable Water	EPA 300.0 R2.1 1993	1	0.0110	0.100	3/15/2024	TAL
MW-01	001	3/13/2024	Nitrite-N	ND mg/L	UH	Non-Potable Water	EPA 300.0 R2.1 1993	1	0.0100	0.100	3/15/2024	TAL



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Accreditation Program Analytes Report

WO#: 24031172

19-Mar-24

Client: Chemtech

State: NY

Project: P1747

Program Name: DW_WW_SCM_NI

Sample ID	Matrix	Test Name	Analyte	Status
24031172-001A	Non-Potable Water	Anions by IC (EPA 300.0)	Nitrate/Nitrite	A
	Non-Potable Water	Anions by IC (EPA 300.0)	Nitrogen, Nitrate	A
	Non-Potable Water	Anions by IC (EPA 300.0)	Nitrogen, Nitrite	A

AL	N	Not Accredited	LA-NELA	A	Accredited	CO	U	Unavailable
CT	A	Accredited	IL-NELAI	A	Accredited	HI-DW	N	Not Accredited
ID	U	Unavailable	IL-NELAF	A	Accredited	IN_DW	U	Unavailable
S - NELA	N	Not Accredited	KY_UST	N	Not Accredited	W(RADS)	A	Accredited
DW_WW	N	Not Accredited	MD-DW	U	Unavailable	LDW_RA	U	Unavailable

Original #1



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QC SUMMARY REPORT

WO#: 24031172

19-Mar-24

Client: Chemtech

Project: P1747

BatchID: R182021

Sample ID: MB	SampType: MBLK	TestCode: Anions_NPW Units: mg/L				Prep Date:			RunNo: 182021		
Client ID: PBW	Batch ID: R182021	TestNo: E300.0				Analysis Date: 3/15/2024			SeqNo: 4933315		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate/Nitrite	ND	0.100									U
Nitrate-N	ND	0.100		0	0						U
Nitrite-N	ND	0.100		0	0						U

Sample ID: RLC	SampType: RLC	TestCode: Anions_NPW	Units: mg/L	Prep Date:	RunNo: 182021						
Client ID: BatchQC	Batch ID: R182021	TestNo: E300.0	Analysis Date: 3/15/2024	SeqNo: 4933316							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate/Nitrite	0.0428	0.100	0.05600	0	76.4	50	150				J
Nitrate-N	0.0149	0.100	0.02300	0	64.8	50	150				J
Nitrite-N	0.0279	0.100	0.03300	0	84.5	50	150				J

Sample ID: LCS	SampType: LCS	TestCode: Anions_NPW Units: mg/L				Prep Date:			RunNo: 182021		
Client ID: LCSW	Batch ID: R182021	TestNo: E300.0				Analysis Date: 3/15/2024			SeqNo: 4933317		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate/Nitrite	10.9	0.100	11.20	0	97.5	90	110				
Nitrate-N	4.36	0.100	4.600	0	94.7	90	110				
Nitrite-N	6.56	0.100	6.600	0	99.4	90	110				

Qualifiers:
E Value above quantitation range
M Manual Integration used to determine area response
RL Reporting Detection Limit
W Sample container temperature is out of limit as specified at testcode

H Holding times for preparation or analysis exceeded
ND Not Detected
S Spike Recovery outside accepted recovery limits

J Analyte detected below quantitation limits
PL Permit Limit
U Samples with CalcVal < MDL

Original



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Website: <http://www.settek.com>

QC SUMMARY REPORT

WO#: 24031172

19-Mar-24

Client: Chemtech

Project: P1747

BatchID: R182021

Sample ID: LCSD	SampType: LCSD	TestCode: Anions_NPW Units: mg/L				Prep Date:			RunNo: 182021		
Client ID: LCSS02	Batch ID: R182021	TestNo: E300.0				Analysis Date: 3/15/2024			SeqNo: 4933323		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate/Nitrite	11.0	0.100	11.20	0	97.8	90	110	10.92	0.368	20	
Nitrate-N	4.38	0.100	4.600	0	95.2	90	110	4.357	0.558	20	
Nitrite-N	6.58	0.100	6.600	0	99.6	90	110	6.561	0.242	20	

Qualifiers:
E Value above quantitation range
M Manual Integration used to determine area response
RL Reporting Detection Limit
W Sample container temperature is out of limit as specified at testcode

H Holding times for preparation or analysis exceeded
ND Not Detected
S Spike Recovery outside accepted recovery limits

J Analyte detected below quantitation limits
PL Permit Limit
U Samples with CalcVal < MDL

Original

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.

QUOTE NO.

COC Number 2043853

P1747

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: LIRD Engineers, Inc.
ADDRESS: 703 Lorimer street
CITY: Brooklyn STATE: NY ZIP: 11211
ATTENTION: Steve Frank / Amy Hewson
PHONE: 716 882-5476 FAX: _____

CLIENT PROJECT INFORMATION

PROJECT NAME: Walter Gladwin Park Rec. Center
PROJECT NO.: 19-294-0265.01 LOCATION: Bronx, NY
PROJECT MANAGER: Steve Frank
e-mail: franks@lird-hill.com
PHONE: 716 882-5476 FAX: _____

CLIENT BILLING INFORMATION

BILL TO: _____ PO#: _____
ADDRESS: Scime
CITY: _____ STATE: _____ ZIP: _____
ATTENTION: _____ PHONE: _____

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: 5 day TAT _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☒ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other _____
☐ EDD FORMAT _____

TCL VOCs
SVOCs
PCBs
Pesticides
TAL metals*
NYCDEP Sanitary or Combined Sewer Discharge Parameters

ANALYSIS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9		
1.	mw-01	GW		X	3/12/24	0800	7	X	X	X	X	X						
2.	mw-01 DUP	GW		X	↓	0830	7	X	X	X	X	X						
3.	mw-01	GW		X	3/13/24	1000	14								X			
4.	mw-02	GW		X	3/12/24	1200	7	X	X	X	X	X						
5.	TWP-04	GW		X	↓	1100	7	X	X	X	X	X						
6.	Trip Blank #1	DI water		X	—	—	2	X										
7.																		
8.																		
9.																		
10.																		

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. Eva Jlu	DATE/TIME: 3/13/24	RECEIVED BY: [Signature] 1230	Conditions of bottles or coolers at receipt: <input type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input type="checkbox"/> COOLER TEMP 3.4°C
RELINQUISHED BY SAMPLER: 2. [Signature]	DATE/TIME:	RECEIVED BY: 2. [Signature]	Comments: * TAL metals (filtered & unfiltered)
RELINQUISHED BY SAMPLER: 3. [Signature]	DATE/TIME: 630	RECEIVED BY: 3. [Signature]	

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other _____
CHEMTECH: ☒ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

24031172

Sub Lab INFORMATION	CLIENT PROJECT INFORMATION		CLIENT BILLING INFORMATION
COMPANY : Summit Enviromental Technologies I	ORDER ID : P1747	BILL TO: CHEMTECH PO# : P1747	
ADDRESS : 3310 Win St	PROJECT ID:Walter Gladwin Recreation Center, Bronx, NY		ADDRESS : 284, Sheffield Street
CITY:Cuyahoga State :Ohio ZIP :44223	PROJECT MANAGER Brandon Yaz	CITY: Mountainside State : NJ ZIP : 07092	
E-mail :	E-mail : Brandon @chemtech.net	ATTENTION :Brandon	
PHONE :330-253-8211	PHONE : (908) 789 8900	FAX: (908) 789 8922	PHONE : (908) 789 8900 FAX : (908) 789 8922

EDD : NYSDEC EDD V-

Report : NYS ASP A

Comment :

ID	CLIENT SAMPLE IDENTIFICATION	SAMPLE MATRIX	ANALYSIS	Preservative	Method	SAMPLE COLLECTION		# OF BOTTLES	TAT DAYS
						DATE	TIME		
03	MW-01	Water	Anions Group1	Cool 4 deg C	300.0	03/13/2024	10:00:00	1	5

State - NY
* Nitrate, Nitrate + Nitrite, Nitrite.*

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGES POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. JT	DATETIME: 1630 3.14.24	RECEIVED BY: 1.	Conditions of bottles or Coolers at receipt: 7255 5091 1887	<input checked="" type="checkbox"/> Compliant <input type="checkbox"/> Non Compliant	3.9-0.2 Cooler Temp 3.7 Ice or Cooler? Y
RELINQUISHED BY: 2.	DATETIME:	RECEIVED BY: 2.	Page 10 of 11		
RELINQUISHED BY: 3. P1747	DATETIME:	RECEIVED BY: 3. 03/15/24 0910	Page 1 of 1	<input type="checkbox"/> OVERNIGHT <input type="checkbox"/> OVERNIGHT	Shipment Complete: 13 of 14 YES NO

Sample Log-In Check List

Client Name: CHE-NJ-07972

Work Order Number: 24031172

RcptNo: 1

Logged by: Anthony W. Britton 3/15/2024 9:10:00 AM

Anthony Britton

Completed By: Tegan A. Richards 3/16/2024 1:04:51 PM

Tegan Richards

Reviewed By: Jennifer Woolf 3/18/2024 10:58:54 AM

Jennifer Woolf

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? FedEx

Tracking No.: 775550911887

Log In

3. Coolers are present? Yes ☒ No ☐ NA ☐
4. Shipping container/cooler in good condition? Yes ☒ No ☐
Custody seals intact on shipping container/cooler? Yes ☐ No ☐ Not Present ☒
No. Seal Date: Signed By:
5. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
6. Were all samples received at a temperature of >0° C to 6.0°C Yes ☒ No ☐ NA ☐
7. Sample(s) in proper container(s)? Yes ☒ No ☐
8. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
9. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
10. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? Yes ☐ No ☐ No VOA Vials ☒
12. Were any sample containers received broken? Yes ☐ No ☒
13. Does paperwork match bottle labels? Yes ☒ No ☐
(Note discrepancies on chain of custody)
14. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
15. Is it clear what analyses were requested? Yes ☒ No ☐
16. Were all holding times able to be met? Yes ☐ No ☒
(If no, notify customer for authorization.)

Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: Date:
By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:
Client Instructions:

18. Additional remarks:

Samples were received with not enough time left to analyze in hold.

Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.7	Good	Not Present			