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LAB CHRONICLE

OrderID:	Q1327	**OrderDate:**	2/6/2025 4:19:00 PM
Client:	Tetra Tech NUS, Inc.	**Project:**	CTO WE13
Contact:	Ernie Wu	**Location:**	N41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1327-01	**VPB192-HYD-20250204**	**Water**			**02/04/25**			**02/06/25**
			SVOC-SIMGroup1	8270-Modified		02/07/25	02/12/25	
Q1327-01RE	**VPB192-HYD-20250204RE**	**Water**			**02/04/25**			**02/06/25**
			SVOC-SIMGroup1	8270-Modified		02/07/25	02/13/25	
Q1327-05	**BP-VPB-192-GW-540-542**	**Water**			**02/04/25**			**02/06/25**
			SVOC-SIMGroup1	8270-Modified		02/07/25	02/12/25	
Q1327-07	**BP-VPB-192-GW-580-582**	**Water**			**02/04/25**			**02/06/25**
			SVOC-SIMGroup1	8270-Modified		02/07/25	02/12/25	
Q1327-09	**BP-VPB-192-GW-625-627**	**Water**			**02/05/25**			**02/06/25**
			SVOC-SIMGroup1	8270-Modified		02/07/25	02/12/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1327

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :	**BP-VPB-192-GW-540-542**							
Q1327-05	BP-VPB-192-GW-540-54 WATER	1,4-Dioxane	1.200		0.07	0.22	0.22	ug/L
		Total Svoc :			**1.20**			
		Total Concentration:			**1.20**			
Client ID :	**BP-VPB-192-GW-580-582**							
Q1327-07	BP-VPB-192-GW-580-58 WATER	1,4-Dioxane	1.100	J	0.68	2	2	ug/L
		Total Svoc :			**1.10**			
		Total Concentration:			**1.10**			
Client ID :	**BP-VPB-192-GW-625-627**							
Q1327-09	BP-VPB-192-GW-625-62 WATER	1,4-Dioxane	0.880		0.07	0.22	0.22	ug/L
		Total Svoc :			**0.88**			
		Total Concentration:			**0.88**			

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/04/25
Project:	CTO WE13	Date Received:	02/06/25
Client Sample ID:	VPB192-HYD-20250204	SDG No.:	Q1327
Lab Sample ID:	Q1327-01	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	890 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036449.D	1	02/07/25 11:40	02/12/25 20:35	PB166609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.22	U	0.080	0.22	0.22	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.077	*	30 - 150		19%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.35		30 - 150		88%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.31		55 - 111		76%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.32		53 - 106		81%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.46		58 - 132		114%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2430	7.753				
1146-65-2	Naphthalene-d8	5950	10.541				
15067-26-2	Acenaphthene-d10	3980	14.388				
1517-22-2	Phenanthrene-d10	9430	17.136				
1719-03-5	Chrysene-d12	8160	21.322				
1520-96-3	Perylene-d12	5050	23.59				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/04/25
Project:	CTO WE13	Date Received:	02/06/25
Client Sample ID:	VPB192-HYD-20250204RE	SDG No.:	Q1327
Lab Sample ID:	Q1327-01RE	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	890 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036461.D	1	02/07/25 11:40	02/13/25 11:00	PB166609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.22	U	0.080	0.22	0.22	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.081	*	30 - 150		20%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.34		30 - 150		85%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.30		55 - 111		76%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		53 - 106		88%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.47		58 - 132		118%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2220	7.746				
1146-65-2	Naphthalene-d8	5260	10.541				
15067-26-2	Acenaphthene-d10	3410	14.387				
1517-22-2	Phenanthrene-d10	7870	17.136				
1719-03-5	Chrysene-d12	6410	21.322				
1520-96-3	Perylene-d12	3670	23.589				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/04/25
Project:	CTO WE13	Date Received:	02/06/25
Client Sample ID:	BP-VPB-192-GW-540-542	SDG No.:	Q1327
Lab Sample ID:	Q1327-05	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	920 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036450.D	1	02/07/25 11:40	02/12/25 21:12	PB166609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.20		0.070	0.22	0.22	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.26		30 - 150		65%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.30		30 - 150		75%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.25		55 - 111		61%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		53 - 106		87%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.45		58 - 132		113%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2850	7.753				
1146-65-2	Naphthalene-d8	7640	10.541				
15067-26-2	Acenaphthene-d10	4410	14.388				
1517-22-2	Phenanthrene-d10	11200	17.136				
1719-03-5	Chrysene-d12	8990	21.322				
1520-96-3	Perylene-d12	2010	23.587				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/04/25
Project:	CTO WE13	Date Received:	02/06/25
Client Sample ID:	BP-VPB-192-GW-580-582	SDG No.:	Q1327
Lab Sample ID:	Q1327-07	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036451.D	1	02/07/25 11:40	02/12/25 21:47	PB166609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.10	J	0.68	2.00	2.00	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.28		30 - 150		71%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.25		30 - 150		63%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.28		55 - 111		70%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		53 - 106		87%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.46		58 - 132		116%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3380	7.753				
1146-65-2	Naphthalene-d8	9370	10.541				
15067-26-2	Acenaphthene-d10	5950	14.388				
1517-22-2	Phenanthrene-d10	12800	17.124				
1719-03-5	Chrysene-d12	9420	21.322				
1520-96-3	Perylene-d12	8370	23.595				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/05/25
Project:	CTO WE13	Date Received:	02/06/25
Client Sample ID:	BP-VPB-192-GW-625-627	SDG No.:	Q1327
Lab Sample ID:	Q1327-09	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	920 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036452.D	1	02/07/25 11:40	02/12/25 22:23	PB166609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.88		0.070	0.22	0.22	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.34		30 - 150		84%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 - 150		98%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.27		55 - 111		67%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.39		53 - 106		98%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.85	*	58 - 132		211%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3230	7.753				
1146-65-2	Naphthalene-d8	8860	10.541				
15067-26-2	Acenaphthene-d10	6360	14.388				
1517-22-2	Phenanthrene-d10	14500	17.124				
1719-03-5	Chrysene-d12	11600	21.322				
1520-96-3	Perylene-d12	10100	23.586				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q1327

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB166609BL	PB166609BL	2-Methylnaphthalene-d10	0.4	0.33	82		30	150
		Fluoranthene-d10	0.4	0.37	93		30	150
		Nitrobenzene-d5	0.4	0.33	83		55	111
		2-Fluorobiphenyl	0.4	0.33	83		53	106
		Terphenyl-d14	0.4	0.41	102		58	132
PB166609BS	PB166609BS	2-Methylnaphthalene-d10	0.4	0.44	111		30	150
		Fluoranthene-d10	0.4	0.36	89		30	150
		Nitrobenzene-d5	0.4	0.36	90		55	111
		2-Fluorobiphenyl	0.4	0.42	104		53	106
		Terphenyl-d14	0.4	0.48	119		58	132
PB166609BSD	PB166609BSD	2-Methylnaphthalene-d10	0.4	0.46	115		30	150
		Fluoranthene-d10	0.4	0.36	89		30	150
		Nitrobenzene-d5	0.4	0.38	95		55	111
		2-Fluorobiphenyl	0.4	0.43	108	*	53	106
		Terphenyl-d14	0.4	0.49	121		58	132
Q1327-01	VPB192-HYD-20250204	2-Methylnaphthalene-d10	0.4	0.077	19	*	30	150
		Fluoranthene-d10	0.4	0.35	88		30	150
		Nitrobenzene-d5	0.4	0.31	76		55	111
		2-Fluorobiphenyl	0.4	0.32	81		53	106
		Terphenyl-d14	0.4	0.46	114		58	132
Q1327-01RE	VPB192-HYD-20250204RE	2-Methylnaphthalene-d10	0.4	0.081	20	*	30	150
		Fluoranthene-d10	0.4	0.34	85		30	150
		Nitrobenzene-d5	0.4	0.30	76		55	111
		2-Fluorobiphenyl	0.4	0.35	88		53	106
		Terphenyl-d14	0.4	0.47	118		58	132
Q1327-05	BP-VPB-192-GW-540-542	2-Methylnaphthalene-d10	0.4	0.26	65		30	150
		Fluoranthene-d10	0.4	0.30	75		30	150
		Nitrobenzene-d5	0.4	0.25	61		55	111
		2-Fluorobiphenyl	0.4	0.35	87		53	106
		Terphenyl-d14	0.4	0.45	113		58	132
Q1327-07	BP-VPB-192-GW-580-582	2-Methylnaphthalene-d10	0.4	0.28	71		30	150
		Fluoranthene-d10	0.4	0.25	63		30	150
		Nitrobenzene-d5	0.4	0.28	70		55	111
		2-Fluorobiphenyl	0.4	0.35	87		53	106
		Terphenyl-d14	0.4	0.46	116		58	132
Q1327-09	BP-VPB-192-GW-625-627	2-Methylnaphthalene-d10	0.4	0.34	84		30	150
		Fluoranthene-d10	0.4	0.39	98		30	150
		Nitrobenzene-d5	0.4	0.27	67		55	111
		2-Fluorobiphenyl	0.4	0.39	98		53	106
		Terphenyl-d14	0.4	0.85	211	*	58	132

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1327

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified **DataFile:** BN036453.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB166609BS	1,4-Dioxane	0.4	0.33	ug/L	83				70	130	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1327

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified **DataFile:** BN036454.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB166609BSD	1,4-Dioxane	0.4	0.36	ug/L	90	9			70	130	20

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166609BL

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1327 SAS No.: Q1327 SDG NO.: Q1327

Lab File ID: BN036443.D Lab Sample ID: PB166609BL

Instrument ID: BNA_N Date Extracted: 02/07/2025

Matrix: (soil/water) Water Date Analyzed: 02/12/2025

Level: (low/med) LOW Time Analyzed: 17:00

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB166609BS	PB166609BS	BN036453.D	02/12/2025
VPB192-HYD-20250204	Q1327-01	BN036449.D	02/12/2025
BP-VPB-192-GW-540-542	Q1327-05	BN036450.D	02/12/2025
BP-VPB-192-GW-580-582	Q1327-07	BN036451.D	02/12/2025
PB166609BSD	PB166609BSD	BN036454.D	02/12/2025
BP-VPB-192-GW-625-627	Q1327-09	BN036452.D	02/12/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM SAS No.: Q1327 SDG NO.: Q1327

Lab File ID: BN036408.D DFTPP Injection Date: 02/10/2025

Instrument ID: BNA_N DFTPP Injection Time: 11:46

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	51.4
68	Less than 2.0% of mass 69	0.3 (0.7) 1
69	Mass 69 relative abundance	47.7
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	48.3
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
275	10.0 - 60.0% of mass 198	24.7
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	7.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	10.5 (20.1) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC0.1	SSTDICC0.1	BN036409.D	02/10/2025	12:25
SSTDICC0.2	SSTDICC0.2	BN036410.D	02/10/2025	13:01
SSTDICCC0.4	SSTDICCC0.4	BN036411.D	02/10/2025	13:36
SSTDICC0.8	SSTDICC0.8	BN036412.D	02/10/2025	14:12
SSTDICC1.6	SSTDICC1.6	BN036413.D	02/10/2025	14:48
SSTDICC3.2	SSTDICC3.2	BN036414.D	02/10/2025	15:24
SSTDICC5.0	SSTDICC5.0	BN036415.D	02/10/2025	16:00

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM SAS No.: Q1327 SDG NO.: Q1327

Lab File ID: BN036440.D DFTPP Injection Date: 02/12/2025

Instrument ID: BNA_N DFTPP Injection Time: 15:09

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	52.2
68	Less than 2.0% of mass 69	0.4 (0.9) 1
69	Mass 69 relative abundance	47.7
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	48.1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
275	10.0 - 60.0% of mass 198	25
365	Greater than 1% of mass 198	4
441	Present, but less than mass 443	9.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	10.9 (19.2) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN036441.D	02/12/2025	15:48
PB166609BL	PB166609BL	BN036443.D	02/12/2025	17:00
VPB192-HYD-20250204	Q1327-01	BN036449.D	02/12/2025	20:35
BP-VPB-192-GW-540-542	Q1327-05	BN036450.D	02/12/2025	21:12
BP-VPB-192-GW-580-582	Q1327-07	BN036451.D	02/12/2025	21:47
BP-VPB-192-GW-625-627	Q1327-09	BN036452.D	02/12/2025	22:23
PB166609BS	PB166609BS	BN036453.D	02/12/2025	22:59
PB166609BSD	PB166609BSD	BN036454.D	02/12/2025	23:35
SSTDCCC0.4EC	SSTDCCC0.4	BN036457.D	02/13/2025	01:23

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Fax : 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM SAS No.: Q1327 SDG NO.: Q1327

Lab File ID: BN036458.D DFTPP Injection Date: 02/13/2025

Instrument ID: BNA_N DFTPP Injection Time: 09:09

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	54.1
68	Less than 2.0% of mass 69	0.3 (0.7) 1
69	Mass 69 relative abundance	49.9
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	49.7
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
275	10.0 - 60.0% of mass 198	24.7
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	8.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	10.4 (18.8) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN036459.D	02/13/2025	09:48
VPB192-HYD-20250204RE	Q1327-01RE	BN036461.D	02/13/2025	11:00
SSTDCCC0.4EC	SSTDCCC0.4	BN036464.D	02/13/2025	12:55

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1327 SAS No.: Q1327 SDG NO.: Q1327

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 02/12/2025

Lab File ID: BN036441.D Time Analyzed: 15:48

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	2210	7.753	5455	10.54	3758	14.39
	UPPER LIMIT	4420	8.253	10910	11.041	7516	14.887
	LOWER LIMIT	1105	7.253	2727.5	10.041	1879	13.887
	EPA SAMPLE NO.						
01	PB166609BL	2121	7.75	4514	10.56	2674	14.40
02	PB166609BS	3011	7.75	7784	10.54	4813	14.39
03	PB166609BSD	2969	7.75	7418	10.54	4537	14.39
04	VPB192-HYD-20250204	2427	7.75	5945	10.54	3979	14.39
05	BP-VPB-192-GW-540-542	2852	7.75	7637	10.54	4410	14.39
06	BP-VPB-192-GW-580-582	3380	7.75	9371	10.54	5949	14.39
07	BP-VPB-192-GW-625-627	3231	7.75	8863	10.54	6360	14.39

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1327 SAS No.: Q1327 SDG NO.: Q1327

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 02/12/2025

Lab File ID: BN036441.D Time Analyzed: 15:48

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #		RT #
	12 HOUR STD	8093	17.136	7173	21.322	7217		23.589
	UPPER LIMIT	16186	17.636	14346	21.822	14434		24.089
	LOWER LIMIT	4046.5	16.636	3586.5	20.822	3608.5		23.089
	EPA SAMPLE NO.							
01	PB166609BL	6002	17.15	4846	21.33	4391		23.60
02	PB166609BS	10562	17.14	7248	21.32	6369		23.59
03	PB166609BSD	9856	17.14	6518	21.32	5699		23.59
04	VPB192-HYD-20250204	9425	17.14	8156	21.32	5048		23.59
05	BP-VPB-192-GW-540-542	11189	17.14	8988	21.32	2010	*	23.59
06	BP-VPB-192-GW-580-582	12772	17.12	9415	21.32	8365		23.60
07	BP-VPB-192-GW-625-627	14480	17.12	11612	21.32	10089		23.59

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1327 SAS No.: Q1327 SDG NO.: Q1327

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 02/13/2025

Lab File ID: BN036459.D Time Analyzed: 09:48

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	2295	7.746	6046	10.54	4260	14.39
	UPPER LIMIT	4590	8.246	12092	11.041	8520	14.888
	LOWER LIMIT	1147.5	7.246	3023	10.041	2130	13.888
	EPA SAMPLE NO.						
01	VPB192-HYD-20250204RE	2222	7.75	5257	10.54	3408	14.39

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1327 SAS No.: Q1327 SDG NO.: Q1327

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 02/13/2025

Lab File ID: BN036459.D Time Analyzed: 09:48

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #		RT #
	12 HOUR STD	9055	17.136	8060	21.322	7613		23.59
	UPPER LIMIT	18110	17.636	16120	21.822	15226		24.09
	LOWER LIMIT	4527.5	16.636	4030	20.822	3806.5		23.09
	EPA SAMPLE NO.							
01	VPB192-HYD-20250204RE	7874	17.14	6414	21.32	3668	*	23.59

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	PB166609BL	SDG No.:	Q1327
Lab Sample ID:	PB166609BL	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036443.D	1	02/07/25 11:40	02/12/25 17:00	PB166609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.33		30 - 150		82%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 - 150		93%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		55 - 111		83%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		53 - 106		83%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.41		58 - 132		102%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2120	7.753				
1146-65-2	Naphthalene-d8	4510	10.562				
15067-26-2	Acenaphthene-d10	2670	14.398				
1517-22-2	Phenanthrene-d10	6000	17.149				
1719-03-5	Chrysene-d12	4850	21.331				
1520-96-3	Perylene-d12	4390	23.601				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	
Project:	CTO WE13			Date Received:	
Client Sample ID:	PB166609BS			SDG No.:	Q1327
Lab Sample ID:	PB166609BS			Matrix:	Water
Analytical Method:	SW8270ESIM			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-SIMGroup1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036453.D	1	02/07/25 11:40	02/12/25 22:59	PB166609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.33		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.44		30 - 150		111%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 - 150		89%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		55 - 111		90%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.42		53 - 106		104%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.48		58 - 132		119%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3010	7.753				
1146-65-2	Naphthalene-d8	7780	10.541				
15067-26-2	Acenaphthene-d10	4810	14.387				
1517-22-2	Phenanthrene-d10	10600	17.136				
1719-03-5	Chrysene-d12	7250	21.322				
1520-96-3	Perylene-d12	6370	23.589				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	
Project:	CTO WE13			Date Received:	
Client Sample ID:	PB166609BSD			SDG No.:	Q1327
Lab Sample ID:	PB166609BSD			Matrix:	Water
Analytical Method:	SW8270ESIM			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-SIMGroup1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036454.D	1	02/07/25 11:40	02/12/25 23:35	PB166609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.36		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.46		30 - 150		115%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 - 150		89%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.38		55 - 111		95%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.43	*	53 - 106		108%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.49		58 - 132		121%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2970	7.753				
1146-65-2	Naphthalene-d8	7420	10.541				
15067-26-2	Acenaphthene-d10	4540	14.387				
1517-22-2	Phenanthrene-d10	9860	17.136				
1719-03-5	Chrysene-d12	6520	21.322				
1520-96-3	Perylene-d12	5700	23.589				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

Response Factor Report BNA_N

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN021025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Feb 11 01:17:14 2025
Response Via : Initial Calibration

Calibration Files
0.1 =BN036409.D 0.2 =BN036410.D 0.4 =BN036411.D 0.8 =BN036412.D 1.6 =BN036413.D 3.2 =BN036414.D 5.0 =BN036415.D

		Compound	0.1	0.2	0.4	0.8	1.6	3.2	5.0	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------								
2)		1,4-Dioxane	0.555	0.437	0.433	0.414	0.411	0.433	0.381	0.438	12.66
3)		n-Nitrosodimet...	0.906	0.779	0.764	0.724	0.708	0.769	0.670	0.760	9.90
4)	S	2-Fluorophenol	1.009	0.954	0.936	0.920	0.914	0.999	0.885	0.945	4.80
5)	S	Phenol-d6	1.134	1.007	1.032	1.062	1.099	1.267	1.164	1.109	8.00
6)		bis(2-Chloroet...	1.382	1.070	1.086	1.129	1.120	1.225	1.107	1.160	9.48
7)	I	Naphthalene-d8	----------ISTD----------								
8)	S	Nitrobenzene-d5	0.500	0.363	0.365	0.370	0.367	0.417	0.381	0.395	12.70
9)		Naphthalene	1.400	1.141	1.116	1.088	1.075	1.186	1.073	1.154	10.01
10)		Hexachlorobuta...	0.319	0.293	0.283	0.272	0.264	0.282	0.253	0.281	7.67
11)	SURR	2-Methylnaphth...	0.647	0.583	0.602	0.588	0.597	0.668	0.618	0.615	5.19
12)		2-Methylnaphth...	0.833	0.712	0.738	0.721	0.726	0.816	0.750	0.757	6.40
13)	I	Acenaphthene-d10	----------ISTD----------								
14)	S	2,4,6-Tribromo...	0.196	0.181	0.186	0.184	0.195	0.226	0.219	0.198	8.90
15)	S	2-Fluorobiphenyl	1.409	1.390	1.377	1.491	1.564	1.738	1.558	1.504	8.57
16)		Acenaphthylene	1.807	1.667	1.692	1.683	1.734	1.964	1.820	1.767	5.98
17)		Acenaphthene	1.245	1.125	1.146	1.128	1.175	1.273	1.169	1.180	4.89
18)		Fluorene	1.696	1.630	1.661	1.627	1.669	1.829	1.646	1.680	4.17
19)	I	Phenanthrene-d10	----------ISTD----------								
20)		4,6-Dinitro-2-...	0.071	0.067	0.069	0.074	0.084	0.107		0.078	19.60
21)		4-Bromophenyl-...	0.243	0.227	0.231	0.232	0.236	0.264	0.238	0.239	5.15
22)		Hexachlorobenzene	0.305	0.296	0.284	0.287	0.289	0.317	0.285	0.295	4.11
23)		Atrazine	0.196	0.190	0.187	0.186	0.194	0.229	0.213	0.199	8.00
24)		Pentachlorophenol	0.140	0.125	0.122	0.122	0.134	0.170	0.167	0.140	14.74
25)		Phenanthrene	1.233	1.090	1.095	1.112	1.138	1.273	1.153	1.156	6.12
26)		Anthracene	0.990	0.933	0.967	0.978	1.015	1.167	1.088	1.020	7.92
27)	SURR	Fluoranthene-d10	1.109	1.043	1.063	1.059	1.098	1.258	1.156	1.112	6.70
28)		Fluoranthene	1.441	1.323	1.353	1.356	1.404	1.607	1.461	1.421	6.76
29)	I	Chrysene-d12	----------ISTD----------								
30)		Pyrene	1.584	1.568	1.534	1.490	1.488	1.629	1.492	1.541	3.59
31)	S	Terphenyl-d14	0.860	0.847	0.852	0.829	0.834	0.913	0.843	0.854	3.27
32)		Benzo(a)anthra...	1.257	1.276	1.293	1.255	1.300	1.471	1.362	1.316	5.86
33)		Chrysene	1.449	1.456	1.360	1.414	1.404	1.527	1.366	1.425	4.08
34)		Bis(2-ethylhex...	0.902	0.875	0.777	0.745	0.761	0.861	0.819	0.820	7.45
35)	I	Perylene-d12	----------ISTD----------								

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN021025.M

36)		Indeno(1,2,3-c...	1.182	1.289	1.378	1.390	1.446	1.630	1.471	1.398	10.13
37)		Benzo(b)fluora...	1.174	1.220	1.260	1.290	1.333	1.529	1.416	1.317	9.24
38)		Benzo(k)fluora...	1.258	1.253	1.363	1.326	1.347	1.532	1.413	1.356	7.08
39)	C	Benzo(a)pyrene	1.091	1.081	1.102	1.114	1.145	1.309	1.206	1.150	7.12
40)		Dibenzo(a,h)an...	0.906	1.021	1.075	1.087	1.154	1.304	1.176	1.103	11.40
41)		Benzo(g,h,i)pe...	1.140	1.212	1.254	1.230	1.269	1.400	1.249	1.250	6.27

(#) = Out of Range

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1327 SAS No.: Q1327 SDG No.: Q1327

Instrument ID: BNA_N Calibration Date/Time: 02/12/2025 15:48

Lab File ID: BN036441.D Init. Calib. Date(s): 02/10/2025 02/10/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 12:25 16:00

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.615	0.594		-3.4	20.0
Fluoranthene-d10	1.112	1.037		-6.7	20.0
2-Fluorophenol	0.945	0.868		-8.1	20.0
Phenol-d6	1.109	0.993		-10.5	20.0
Nitrobenzene-d5	0.395	0.382		-3.3	20.0
2-Fluorobiphenyl	1.504	1.361		-9.5	20.0
2,4,6-Tribromophenol	0.198	0.161		-18.7	20.0
Terphenyl-d14	0.854	0.819		-4.1	20.0
1,4-Dioxane	0.438	0.428		-2.3	20.0

All other compounds must meet a minimum RRF of 0.010.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1327 SAS No.: Q1327 SDG No.: Q1327

Instrument ID: BNA_N Calibration Date/Time: 02/13/2025 01:23

Lab File ID: BN036457.D Init. Calib. Date(s): 02/10/2025 02/10/2025

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 12:25 16:00

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.615	0.606		-1.5	50.0
Fluoranthene-d10	1.112	1.046		-5.9	50.0
2-Fluorophenol	0.945	0.925		-2.1	50.0
Phenol-d6	1.109	1.094		-1.4	50.0
Nitrobenzene-d5	0.395	0.380		-3.8	50.0
2-Fluorobiphenyl	1.504	1.452		-3.5	50.0
2,4,6-Tribromophenol	0.198	0.171		-13.6	50.0
Terphenyl-d14	0.854	0.894		4.7	50.0
1,4-Dioxane	0.438	0.427		-2.5	50.0

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1327 SAS No.: Q1327 SDG No.: Q1327

Instrument ID: BNA_N Calibration Date/Time: 02/13/2025 09:48

Lab File ID: BN036459.D Init. Calib. Date(s): 02/10/2025 02/10/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 12:25 16:00

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.615	0.601		-2.3	20.0
Fluoranthene-d10	1.112	1.053		-5.3	20.0
2-Fluorophenol	0.945	0.907		-4.0	20.0
Phenol-d6	1.109	1.089		-1.8	20.0
Nitrobenzene-d5	0.395	0.372		-5.8	20.0
2-Fluorobiphenyl	1.504	1.422		-5.5	20.0
2,4,6-Tribromophenol	0.198	0.160		-19.2	20.0
Terphenyl-d14	0.854	0.821		-3.9	20.0
1,4-Dioxane	0.438	0.431		-1.6	20.0

All other compounds must meet a minimum RRF of 0.010.

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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1327 SAS No.: Q1327 SDG No.: Q1327

Instrument ID: BNA_N Calibration Date/Time: 02/13/2025 12:55

Lab File ID: BN036464.D Init. Calib. Date(s): 02/10/2025 02/10/2025

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 12:25 16:00

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.615	0.600		-2.4	50.0
Fluoranthene-d10	1.112	1.045		-6.0	50.0
2-Fluorophenol	0.945	0.901		-4.7	50.0
Phenol-d6	1.109	1.071		-3.4	50.0
Nitrobenzene-d5	0.395	0.374		-5.3	50.0
2-Fluorobiphenyl	1.504	1.457		-3.1	50.0
2,4,6-Tribromophenol	0.198	0.166		-16.2	50.0
Terphenyl-d14	0.854	0.858		0.5	50.0
1,4-Dioxane	0.438	0.413		-5.7	50.0

All other compounds must meet a minimum RRF of 0.010.