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

LAB CHRONICLE

OrderID:	Q1502	**OrderDate:**	3/6/2025 10:04:07 AM
Client:	Alliance Technical Group, LLC - Newark	**Project:**	NJ Waste Water PT
Contact:	Mohammad Ahmed	**Location:**	QA Office,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1502-03	**PT-BN-WP**	**Water**			**03/03/25**			**03/05/25**
			SVOCMS Group1	8270E		03/12/25	03/13/25	
Q1502-03DL	**PT-BN-WPDL**	**Water**			**03/03/25**			**03/05/25**
			SVOCMS Group1	8270E		03/12/25	03/13/25	
Q1502-05	**PT-BN-WP**	**Water**			**03/03/25**			**03/05/25**
			SVOCMS Group3	8270-Modified		03/13/25	03/14/25	
Q1502-05DL	**PT-BN-WPDL**	**Water**			**03/03/25**			**03/05/25**
			SVOCMS Group3	8270-Modified		03/13/25	03/14/25	
Q1502-06	**PT-ACIDS-WP**	**Water**			**03/03/25**			**03/05/25**
			SVOCMS Group2	8270E		03/12/25	03/13/25	
Q1502-06DL	**PT-ACIDS-WPDL**	**Water**			**03/03/25**			**03/05/25**
			SVOCMS Group2	8270E		03/12/25	03/13/25	
Q1502-08	**PT-ACIDS-WP**	**Water**			**03/03/25**			**03/05/25**
			SVOCMS Group4	8270-Modified		03/13/25	03/14/25	
Q1502-08DL	**PT-ACIDS-WPDL**	**Water**			**03/03/25**			**03/05/25**
			SVOCMS Group4	8270-Modified		03/13/25	03/14/25	
Q1502-21	**RR-PAH-WP**	**Water**			**03/03/25**			**03/05/25**
			SVOCMS Group5	8270-Modified		03/13/25	03/14/25	
Q1502-21DL	**RR-PAH-WPDL**	**Water**			**03/03/25**			**03/05/25**
			SVOCMS Group5	8270-Modified		03/13/25	03/14/25	
Q1502-22	**RR-TRIAZINE-WP**	**Water**			**03/07/25**			**03/11/25**
			SVOCMS Group1			03/12/25	03/13/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q1502

Client: Alliance Technical Group, LLC - Newark

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**PT-ACIDS-WP**							
Q1502-06	PT-ACIDS-WP	WATER	Phenol	140.000	E	0.91	5	ug/L
Q1502-06	PT-ACIDS-WP	WATER	2-Chlorophenol	39.200		0.58	5	ug/L
Q1502-06	PT-ACIDS-WP	WATER	2-Methylphenol	180.000	E	1.1	5	ug/L
Q1502-06	PT-ACIDS-WP	WATER	3+4-Methylphenols	110.000	E	1.1	10	ug/L
Q1502-06	PT-ACIDS-WP	WATER	2-Nitrophenol	180.000	E	1.8	5	ug/L
Q1502-06	PT-ACIDS-WP	WATER	2,4-Dimethylphenol	200.000	E	1.9	5	ug/L
Q1502-06	PT-ACIDS-WP	WATER	2,4-Dichlorophenol	68.800		0.52	5	ug/L
Q1502-06	PT-ACIDS-WP	WATER	4-Chloro-3-methylphenol	63.200		0.59	5	ug/L
Q1502-06	PT-ACIDS-WP	WATER	2,4,6-Trichlorophenol	130.000	E	0.51	5	ug/L
Q1502-06	PT-ACIDS-WP	WATER	2,4-Dinitrophenol	200.000	E	6	10	ug/L
Q1502-06	PT-ACIDS-WP	WATER	4-Nitrophenol	140.000	E	2.4	10	ug/L
Q1502-06	PT-ACIDS-WP	WATER	4,6-Dinitro-2-methylphenol	96.900	E	2.9	10	ug/L
Q1502-06	PT-ACIDS-WP	WATER	Pentachlorophenol	82.500	E	1.6	10	ug/L
Q1502-06	PT-ACIDS-WP	WATER	2,3,4,6-Tetrachlorophenol	57.400		0.72	5	ug/L
			Total Svoc :	**1,688.00**				
			Total Concentration:	**1,688.00**				
Client ID :	**PT-ACIDS-WPDL**							
Q1502-06DL	PT-ACIDS-WPDL	WATER	Phenol	150.000	D	4.6	25	ug/L
Q1502-06DL	PT-ACIDS-WPDL	WATER	2-Chlorophenol	39.600	D	2.9	25	ug/L
Q1502-06DL	PT-ACIDS-WPDL	WATER	2-Methylphenol	190.000	D	5.6	25	ug/L
Q1502-06DL	PT-ACIDS-WPDL	WATER	3+4-Methylphenols	110.000	D	5.5	50	ug/L
Q1502-06DL	PT-ACIDS-WPDL	WATER	2-Nitrophenol	170.000	D	8.8	25	ug/L
Q1502-06DL	PT-ACIDS-WPDL	WATER	2,4-Dimethylphenol	210.000	D	9.3	25	ug/L
Q1502-06DL	PT-ACIDS-WPDL	WATER	2,4-Dichlorophenol	67.000	D	2.6	25	ug/L
Q1502-06DL	PT-ACIDS-WPDL	WATER	4-Chloro-3-methylphenol	61.500	D	3	25	ug/L
Q1502-06DL	PT-ACIDS-WPDL	WATER	2,4,6-Trichlorophenol	130.000	D	2.6	25	ug/L
Q1502-06DL	PT-ACIDS-WPDL	WATER	2,4-Dinitrophenol	160.000	D	29.9	50	ug/L
Q1502-06DL	PT-ACIDS-WPDL	WATER	4-Nitrophenol	130.000	D	11.9	50	ug/L
Q1502-06DL	PT-ACIDS-WPDL	WATER	4,6-Dinitro-2-methylphenol	75.600	D	14.4	50	ug/L
Q1502-06DL	PT-ACIDS-WPDL	WATER	Pentachlorophenol	73.800	D	7.9	50	ug/L
Q1502-06DL	PT-ACIDS-WPDL	WATER	2,3,4,6-Tetrachlorophenol	54.800	D	3.6	25	ug/L
			Total Svoc :	**1,622.30**				
			Total Concentration:	**1,622.30**				

SAMPLE DATA

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	03/03/25
Project:	NJ Waste Water PT	Date Received:	03/05/25
Client Sample ID:	PT-ACIDS-WP	SDG No.:	Q1502
Lab Sample ID:	Q1502-06	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024175.D	1	03/12/25 08:45	03/13/25 13:51	PB167097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
108-95-2	Phenol	140	E	0.91	5.00	ug/L
95-57-8	2-Chlorophenol	39.2		0.58	5.00	ug/L
95-48-7	2-Methylphenol	180	E	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	110	E	1.10	10.0	ug/L
88-75-5	2-Nitrophenol	180	E	1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	200	E	1.90	5.00	ug/L
120-83-2	2,4-Dichlorophenol	68.8		0.52	5.00	ug/L
65-85-0	Benzoic acid	4.20	U	4.20	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	63.2		0.59	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	130	E	0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	0.62	U	0.62	5.00	ug/L
51-28-5	2,4-Dinitrophenol	200	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	140	E	2.40	10.0	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	96.9	E	2.90	10.0	ug/L
87-86-5	Pentachlorophenol	82.5	E	1.60	10.0	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	57.4		0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	145		10 - 139	97%	SPK: 150
13127-88-3	Phenol-d6	142		10 - 134	95%	SPK: 150
118-79-6	2,4,6-Tribromophenol	151		44 - 137	101%	SPK: 150
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	333000	7.74			
1146-65-2	Naphthalene-d8	1360000	10.534			
15067-26-2	Acenaphthene-d10	823000	14.416			
1517-22-2	Phenanthrene-d10	1600000	17.222			
1719-03-5	Chrysene-d12	1660000	21.698			
1520-96-3	Perylene-d12	1860000	25.121			

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	03/03/25
Project:	NJ Waste Water PT	Date Received:	03/05/25
Client Sample ID:	PT-ACIDS-WP	SDG No.:	Q1502
Lab Sample ID:	Q1502-06	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024175.D	1	03/12/25 08:45	03/13/25 13:51	PB167097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	03/03/25
Project:	NJ Waste Water PT	Date Received:	03/05/25
Client Sample ID:	PT-ACIDS-WPDL	SDG No.:	Q1502
Lab Sample ID:	Q1502-06DL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024176.D	5	03/12/25 08:45	03/13/25 15:48	PB167097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
108-95-2	Phenol	150	D	4.60	25.0	ug/L
95-57-8	2-Chlorophenol	39.6	D	2.90	25.0	ug/L
95-48-7	2-Methylphenol	190	D	5.60	25.0	ug/L
65794-96-9	3+4-Methylphenols	110	D	5.50	50.0	ug/L
88-75-5	2-Nitrophenol	170	D	8.80	25.0	ug/L
105-67-9	2,4-Dimethylphenol	210	D	9.30	25.0	ug/L
120-83-2	2,4-Dichlorophenol	67.0	D	2.60	25.0	ug/L
65-85-0	Benzoic acid	21.0	UD	21.0	50.0	ug/L
59-50-7	4-Chloro-3-methylphenol	61.5	D	3.00	25.0	ug/L
88-06-2	2,4,6-Trichlorophenol	130	D	2.60	25.0	ug/L
95-95-4	2,4,5-Trichlorophenol	3.10	UD	3.10	25.0	ug/L
51-28-5	2,4-Dinitrophenol	160	D	29.9	50.0	ug/L
100-02-7	4-Nitrophenol	130	D	11.9	50.0	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	75.6	D	14.4	50.0	ug/L
87-86-5	Pentachlorophenol	73.8	D	7.90	50.0	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	54.8	D	3.60	25.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	149		10 - 139	99%	SPK: 150
13127-88-3	Phenol-d6	148		10 - 134	99%	SPK: 150
118-79-6	2,4,6-Tribromophenol	144		44 - 137	96%	SPK: 150
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	333000	7.752			
1146-65-2	Naphthalene-d8	1380000	10.54			
15067-26-2	Acenaphthene-d10	846000	14.398			
1517-22-2	Phenanthrene-d10	1630000	17.21			
1719-03-5	Chrysene-d12	1670000	21.669			
1520-96-3	Perylene-d12	1840000	25.086			

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	03/03/25
Project:	NJ Waste Water PT	Date Received:	03/05/25
Client Sample ID:	PT-ACIDS-WPDL	SDG No.:	Q1502
Lab Sample ID:	Q1502-06DL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024176.D	5	03/12/25 08:45	03/13/25 15:48	PB167097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Surrogate Summary

SW-846

SDG No.: Q1502

Client: Alliance Technical Group, LLC - Newark

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167097BL	PB167097BL	2-Fluorophenol	150	134	90		10	139
		Phenol-d6	150	130	86		10	134
		2,4,6-Tribromophenol	150	154	102		44	137
PB167097BS	PB167097BS	2-Fluorophenol	150	140	93		10	139
		Phenol-d6	150	137	91		10	134
		2,4,6-Tribromophenol	150	160	107		44	137
PB167097BSD	PB167097BSD	2-Fluorophenol	150	132	88		10	139
		Phenol-d6	150	129	86		10	134
		2,4,6-Tribromophenol	150	151	101		44	137
Q1502-06	PT-ACIDS-WP	2-Fluorophenol	150	145	97		10	139
		Phenol-d6	150	142	95		10	134
		2,4,6-Tribromophenol	150	151	101		44	137
Q1502-06DL	PT-ACIDS-WPDL	2-Fluorophenol	150	149	99		10	139
		Phenol-d6	150	148	99		10	134
		2,4,6-Tribromophenol	150	144	96		44	137

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1502

Client: Alliance Technical Group, LLC - Newark

Analytical Method: 8270E **DataFile:** BF141941.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167097BS	Phenol	50	45.8	ug/L	92				66	118	
	2-Chlorophenol	50	46.9	ug/L	94				70	117	
	2-Methylphenol	50	46.7	ug/L	93				69	109	
	3+4-Methylphenols	50	46.3	ug/L	93				67	106	
	2-Nitrophenol	50	47.5	ug/L	95				70	115	
	2,4-Dimethylphenol	50	57.6	ug/L	115				42	142	
	2,4-Dichlorophenol	50	46.1	ug/L	92				66	115	
	Benzoic acid	50	52.7	ug/L	105				10	125	
	4-Chloro-3-methylphenol	50	45.9	ug/L	92				65	114	
	2,4,6-Trichlorophenol	50	49.2	ug/L	98				61	110	
	2,4,5-Trichlorophenol	50	45.4	ug/L	91				70	106	
	2,4-Dinitrophenol	100	99.2	ug/L	99				36	166	
	4-Nitrophenol	100	100	ug/L	100				45	147	
	4,6-Dinitro-2-methylphenol	50	51.0	ug/L	102				62	132	
	Pentachlorophenol	100	99.9	ug/L	100				47	114	
	2,3,4,6-Tetrachlorophenol	50	46.3	ug/L	93				63	116	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1502

Client: Alliance Technical Group, LLC - Newark

Analytical Method: 8270E **DataFile:** BF141942.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167097BSD	Phenol	50	43.0	ug/L	86	6			66	118	20
	2-Chlorophenol	50	44.2	ug/L	88	6			70	117	20
	2-Methylphenol	50	44.5	ug/L	89	5			69	109	20
	3+4-Methylphenols	50	44.0	ug/L	88	5			67	106	20
	2-Nitrophenol	50	45.9	ug/L	92	3			70	115	20
	2,4-Dimethylphenol	50	54.8	ug/L	110	5			42	142	20
	2,4-Dichlorophenol	50	43.8	ug/L	88	5			66	115	20
	Benzoic acid	50	52.1	ug/L	104	1			10	125	20
	4-Chloro-3-methylphenol	50	43.1	ug/L	86	6			65	114	20
	2,4,6-Trichlorophenol	50	45.1	ug/L	90	9			61	110	20
	2,4,5-Trichlorophenol	50	45.7	ug/L	91	1			70	106	20
	2,4-Dinitrophenol	100	95.0	ug/L	95	4			36	166	20
	4-Nitrophenol	100	97.3	ug/L	97	3			45	147	20
	4,6-Dinitro-2-methylphenol	50	49.9	ug/L	100	2			62	132	20
	Pentachlorophenol	100	95.6	ug/L	96	4			47	114	20
	2,3,4,6-Tetrachlorophenol	50	43.9	ug/L	88	5			63	116	20

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167097BL

Lab Name: CHEMTECH Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

Lab File ID: BF141940.D Lab Sample ID: PB167097BL

Instrument ID: BNA_F Date Extracted: 03/12/2025

Matrix: (soil/water) Water Date Analyzed: 03/13/2025

Level: (low/med) LOW Time Analyzed: 12:47

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167097BS	PB167097BS	BF141941.D	03/13/2025
PB167097BSD	PB167097BSD	BF141942.D	03/13/2025
PT-ACIDS-WP	Q1502-06	BP024175.D	03/13/2025

COMMENTS:

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: ALLI03

Lab Code: CHEM SAS No.: Q1502 SDG NO.: Q1502

Lab File ID: BF141896.D DFTPP Injection Date: 03/10/2025

Instrument ID: BNA_F DFTPP Injection Time: 10:31

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	29.1
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	32.0
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	44.8
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	6.7
275	10.0 - 60.0% of mass 198	31.2
365	Greater than 1% of mass 198	4.2
441	Present, but less than mass 443	19.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (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
SSTDICC2.5	SSTDICC2.5	BF141897.D	03/10/2025	11:01
SSTDICC005	SSTDICC005	BF141898.D	03/10/2025	11:30
SSTDICC010	SSTDICC010	BF141899.D	03/10/2025	12:00
SSTDICC020	SSTDICC020	BF141900.D	03/10/2025	12:29
SSTDICCC040	SSTDICCC040	BF141901.D	03/10/2025	12:58
SSTDICC060	SSTDICC060	BF141903.D	03/10/2025	13:57
SSTDICC080	SSTDICC080	BF141904.D	03/10/2025	14:27
SSTDICC050	SSTDICC050	BF141905.D	03/10/2025	15:20

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: ALLI03

Lab Code: CHEM SAS No.: Q1502 SDG NO.: Q1502

Lab File ID: BF141938.D DFTPP Injection Date: 03/13/2025

Instrument ID: BNA_F DFTPP Injection Time: 11:48

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.0
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	34.0
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	47.3
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	6.6
275	10.0 - 60.0% of mass 198	29.9
365	Greater than 1% of mass 198	4.1
441	Present, but less than mass 443	16.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 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
SSTDCCC040	SSTDCCC040	BF141939.D	03/13/2025	12:17
PB167097BL	PB167097BL	BF141940.D	03/13/2025	12:47
PB167097BS	PB167097BS	BF141941.D	03/13/2025	13:17
PB167097BSD	PB167097BSD	BF141942.D	03/13/2025	13:47

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: ALLI03

Lab Code: CHEM SAS No.: Q1502 SDG NO.: Q1502

Lab File ID: BP024159.D DFTPP Injection Date: 03/12/2025

Instrument ID: BNA_P DFTPP Injection Time: 15:36

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	28.5
68	Less than 2.0% of mass 69	0.6 (1.6) 1
69	Mass 69 relative abundance	33.9
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	46.1
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	27.5
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	14.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.4 (19.5) 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
SSTDICC2.5	SSTDICC2.5	BP024160.D	03/12/2025	16:17
SSTDICC005	SSTDICC005	BP024161.D	03/12/2025	16:57
SSTDICC010	SSTDICC010	BP024162.D	03/12/2025	17:38
SSTDICC020	SSTDICC020	BP024163.D	03/12/2025	18:19
SSTDICCC040	SSTDICCC040	BP024164.D	03/12/2025	19:00
SSTDICC050	SSTDICC050	BP024165.D	03/12/2025	19:41
SSTDICC060	SSTDICC060	BP024166.D	03/12/2025	20:21
SSTDICC080	SSTDICC080	BP024167.D	03/12/2025	21:02

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: ALLI03

Lab Code: CHEM SAS No.: Q1502 SDG NO.: Q1502

Lab File ID: BP024170.D DFTPP Injection Date: 03/13/2025

Instrument ID: BNA_P DFTPP Injection Time: 09:41

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	29
68	Less than 2.0% of mass 69	0.5 (1.5) 1
69	Mass 69 relative abundance	35.2
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	46.9
197	Less than 2.0% of mass 198	0.1
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	27.6
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	14.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.7 (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
SSTDCCC040	SSTDCCC040	BP024171.D	03/13/2025	10:22
PT-ACIDS-WP	Q1502-06	BP024175.D	03/13/2025	13:51
PT-ACIDS-WPDL	Q1502-06DL	BP024176.D	03/13/2025	15:48

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/13/2025

Lab File ID: BF141939.D Time Analyzed: 12:17

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	198004	6.875	767232	8.16	426931	9.91
	UPPER LIMIT	396008	7.375	1534460	8.657	853862	10.41
	LOWER LIMIT	99002	6.375	383616	7.657	213466	9.41
	EPA SAMPLE NO.						
01	PB167097BL	176773	6.88	705846	8.16	407739	9.91
02	PB167097BS	167779	6.88	666660	8.16	381133	9.92
03	PB167097BSD	178366	6.88	702401	8.16	401749	9.92

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.

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/13/2025

Lab File ID: BF141939.D Time Analyzed: 12:17

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	726402	11.398	451214	14.033	394917	15.504
	UPPER LIMIT	1452800	11.898	902428	14.533	789834	16.004
	LOWER LIMIT	363201	10.898	225607	13.533	197459	15.004
	EPA SAMPLE NO.						
01	PB167097BL	769835	11.39	601564	14.03	427331	15.50
02	PB167097BS	657343	11.40	424407	14.04	370791	15.50
03	PB167097BSD	683407	11.40	437316	14.03	392710	15.50

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.

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/13/2025

Lab File ID: BP024171.D Time Analyzed: 10:22

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	330996	7.764	1338420	10.55	811311	14.41
	UPPER LIMIT	661992	8.264	2676840	11.046	1622620	14.91
	LOWER LIMIT	165498	7.264	669210	10.046	405656	13.91
	EPA SAMPLE NO.						
01	PT-ACIDS-WP	332785	7.74	1357430	10.53	822876	14.42
02	PT-ACIDS-WPDL	333252	7.75	1381030	10.54	845510	14.40

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.

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/13/2025

Lab File ID: BP024171.D Time Analyzed: 10:22

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1560240	17.216	1695900	21.675	1872320	25.063
	UPPER LIMIT	3120480	17.716	3391800	22.175	3744640	25.563
	LOWER LIMIT	780120	16.716	847950	21.175	936160	24.563
	EPA SAMPLE NO.						
01	PT-ACIDS-WP	1600350	17.22	1655510	21.70	1860600	25.12
02	PT-ACIDS-WPDL	1630080	17.21	1669060	21.67	1840330	25.09

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

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB167097BL	SDG No.:	Q1502
Lab Sample ID:	PB167097BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141940.D	1	03/12/25 08:45	03/13/25 12:47	PB167097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
108-95-2	Phenol	0.91	U	0.91	5.00	ug/L
95-57-8	2-Chlorophenol	0.58	U	0.58	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.0	ug/L
88-75-5	2-Nitrophenol	1.80	U	1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.90	U	1.90	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.52	U	0.52	5.00	ug/L
65-85-0	Benzoic acid	4.20	U	4.20	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.59	U	0.59	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	0.51	U	0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	0.62	U	0.62	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.00	U	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	2.40	U	2.40	10.0	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2.90	U	2.90	10.0	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.0	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.72	U	0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	134		10 - 139	90%	SPK: 150
13127-88-3	Phenol-d6	130		10 - 134	86%	SPK: 150
118-79-6	2,4,6-Tribromophenol	154		44 - 137	102%	SPK: 150
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	177000	6.875			
1146-65-2	Naphthalene-d8	706000	8.157			
15067-26-2	Acenaphthene-d10	408000	9.91			
1517-22-2	Phenanthrene-d10	770000	11.392			
1719-03-5	Chrysene-d12	602000	14.027			
1520-96-3	Perylene-d12	427000	15.498			

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB167097BL	SDG No.:	Q1502
Lab Sample ID:	PB167097BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141940.D	1	03/12/25 08:45	03/13/25 12:47	PB167097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB167097BS	SDG No.:	Q1502
Lab Sample ID:	PB167097BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141941.D	1	03/12/25 08:45	03/13/25 13:17	PB167097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
108-95-2	Phenol	45.8		0.91	5.00	ug/L
95-57-8	2-Chlorophenol	46.9		0.58	5.00	ug/L
95-48-7	2-Methylphenol	46.7		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	46.3		1.10	10.0	ug/L
88-75-5	2-Nitrophenol	47.5		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	57.6		1.90	5.00	ug/L
120-83-2	2,4-Dichlorophenol	46.1		0.52	5.00	ug/L
65-85-0	Benzoic acid	52.7		4.20	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	45.9		0.59	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	49.2		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	45.4		0.62	5.00	ug/L
51-28-5	2,4-Dinitrophenol	99.2	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	100	E	2.40	10.0	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	51.0		2.90	10.0	ug/L
87-86-5	Pentachlorophenol	99.9	E	1.60	10.0	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	46.3		0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	140		10 - 139	93%	SPK: 150
13127-88-3	Phenol-d6	137		10 - 134	91%	SPK: 150
118-79-6	2,4,6-Tribromophenol	160		44 - 137	107%	SPK: 150
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	168000	6.875			
1146-65-2	Naphthalene-d8	667000	8.157			
15067-26-2	Acenaphthene-d10	381000	9.916			
1517-22-2	Phenanthrene-d10	657000	11.398			
1719-03-5	Chrysene-d12	424000	14.039			
1520-96-3	Perylene-d12	371000	15.504			

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB167097BS	SDG No.:	Q1502
Lab Sample ID:	PB167097BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141941.D	1	03/12/25 08:45	03/13/25 13:17	PB167097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB167097BSD	SDG No.:	Q1502
Lab Sample ID:	PB167097BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141942.D	1	03/12/25 08:45	03/13/25 13:47	PB167097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
108-95-2	Phenol	43.0		0.91	5.00	ug/L
95-57-8	2-Chlorophenol	44.2		0.58	5.00	ug/L
95-48-7	2-Methylphenol	44.5		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	44.0		1.10	10.0	ug/L
88-75-5	2-Nitrophenol	45.9		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	54.8		1.90	5.00	ug/L
120-83-2	2,4-Dichlorophenol	43.8		0.52	5.00	ug/L
65-85-0	Benzoic acid	52.1		4.20	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	43.1		0.59	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	45.1		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	45.7		0.62	5.00	ug/L
51-28-5	2,4-Dinitrophenol	95.0	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	97.3	E	2.40	10.0	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	49.9		2.90	10.0	ug/L
87-86-5	Pentachlorophenol	95.6	E	1.60	10.0	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	43.9		0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	132		10 - 139	88%	SPK: 150
13127-88-3	Phenol-d6	129		10 - 134	86%	SPK: 150
118-79-6	2,4,6-Tribromophenol	151		44 - 137	101%	SPK: 150
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	178000	6.875			
1146-65-2	Naphthalene-d8	702000	8.157			
15067-26-2	Acenaphthene-d10	402000	9.916			
1517-22-2	Phenanthrene-d10	683000	11.398			
1719-03-5	Chrysene-d12	437000	14.033			
1520-96-3	Perylene-d12	393000	15.504			

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB167097BSD	SDG No.:	Q1502
Lab Sample ID:	PB167097BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141942.D	1	03/12/25 08:45	03/13/25 13:47	PB167097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG No.: Q1502

Instrument ID: BNA_F Calibration Date(s): 03/10/2025 03/10/2025

Calibration Time(s): 11:01 15:20

LAB FILE ID: RRF2.5 = BF141897.D RRF005 = BF141898.D RRF010 = BF141899.D
RRF020 = BF141900.D RRF040 = BF141901.D RRF060 = BF141903.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF060	RRF	% RSD
2-Fluorophenol		1.267	1.243	1.298	1.148	1.146	1.198	5.8
Phenol-d6		1.623	1.593	1.644	1.442	1.471	1.526	6.0
Phenol		1.708	1.675	1.747	1.536	1.532	1.605	6.3
2-Chlorophenol		1.421	1.354	1.434	1.259	1.284	1.329	5.6
2-Methylphenol		1.080	1.050	1.122	1.008	1.079	1.057	3.7
3+4-Methylphenols		1.449	1.394	1.470	1.294	1.334	1.354	6.5
Nitrobenzene-d5		0.345	0.356	0.379	0.348	0.363	0.355	3.5
2-Nitrophenol		0.150	0.159	0.182	0.175	0.188	0.173	7.9
2,4-Dimethylphenol		0.247	0.234	0.251	0.231	0.244	0.239	3.5
2,4-Dichlorophenol		0.292	0.295	0.309	0.286	0.303	0.296	2.5
Benzoic acid			0.149	0.191	0.208	0.242	0.210	17.1
4-Chloro-3-methylphenol		0.334	0.331	0.349	0.318	0.334	0.331	3.1
2,4,6-Trichlorophenol		0.388	0.389	0.402	0.398	0.401	0.398	1.9
2-Fluorobiphenyl		1.430	1.379	1.379	1.254	1.246	1.315	5.9
2,4,5-Trichlorophenol		0.396	0.391	0.422	0.389	0.415	0.403	3.0
2,4-Dinitrophenol			0.085	0.124	0.142	0.161	0.139	22.0
4-Nitrophenol		0.192	0.216	0.234	0.230	0.230	0.223	6.6
4,6-Dinitro-2-methylphenol			0.083	0.111	0.121	0.133	0.119	16.6
2,4,6-Tribromophenol		0.234	0.236	0.259	0.250	0.265	0.254	5.7
Pentachlorophenol		0.130	0.151	0.172	0.177	0.186	0.170	12.7
Terphenyl-d14		1.343	1.309	1.360	1.276	1.417	1.353	3.6
2,3,4,6-Tetrachlorophenol		0.355	0.365	0.390	0.359	0.366	0.367	3.0

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG No.: Q1502

Instrument ID: BNA_P Calibration Date(s): 03/12/2025 03/12/2025

Calibration Time(s): 16:17 21:02

LAB FILE ID: RRF2.5 = BP024160.D RRF005 = BP024161.D RRF010 = BP024162.D
RRF020 = BP024163.D RRF040 = BP024164.D RRF050 = BP024165.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.158	1.194	1.307	1.211	1.291	1.253	5.1
Phenol-d6		1.518	1.581	1.747	1.631	1.749	1.675	5.9
Phenol		1.579	1.632	1.754	1.628	1.744	1.691	4.5
2-Chlorophenol		1.257	1.310	1.413	1.306	1.391	1.353	4.5
2-Methylphenol		0.932	0.997	1.120	1.038	1.116	1.061	7.0
3+4-Methylphenols		1.265	1.360	1.530	1.433	1.547	1.457	7.5
Nitrobenzene-d5		0.330	0.338	0.366	0.351	0.362	0.354	4.3
2-Nitrophenol		0.126	0.141	0.167	0.171	0.182	0.167	14.9
2,4-Dimethylphenol		0.186	0.198	0.220	0.215	0.223	0.215	7.9
2,4-Dichlorophenol		0.237	0.263	0.298	0.296	0.306	0.291	10.2
Benzoic acid			0.148	0.190	0.218	0.239	0.209	19.8
4-Chloro-3-methylphenol		0.261	0.283	0.324	0.314	0.333	0.313	9.8
2,4,6-Trichlorophenol		0.291	0.324	0.379	0.372	0.391	0.367	12.0
2-Fluorobiphenyl		1.364	1.358	1.420	1.319	1.335	1.356	2.4
2,4,5-Trichlorophenol		0.331	0.362	0.414	0.409	0.422	0.403	10.2
2,4-Dinitrophenol			0.108	0.146	0.160	0.179	0.156	20.0
4-Nitrophenol		0.187	0.218	0.271	0.277	0.299	0.266	17.4
4,6-Dinitro-2-methylphenol			0.085	0.111	0.120	0.127	0.119	15.9
2,4,6-Tribromophenol		0.203	0.222	0.256	0.252	0.270	0.252	11.7
Pentachlorophenol		0.121	0.140	0.166	0.177	0.184	0.168	16.6
Terphenyl-d14		0.967	0.973	1.033	0.948	0.966	0.969	3.4
2,3,4,6-Tetrachlorophenol		0.316	0.323	0.365	0.356	0.371	0.356	7.5

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: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG No.: Q1502

Instrument ID: BNA_F Calibration Date/Time: 03/13/2025 12:17

Lab File ID: BF141939.D Init. Calib. Date(s): 03/10/2025 03/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:01 15:20

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.198	1.154		-3.7	
Phenol-d6	1.526	1.446		-5.2	
Phenol	1.605	1.528		-4.8	20.0
2-Chlorophenol	1.329	1.276		-4.0	
2-Methylphenol	1.057	0.994		-6.0	
3+4-Methylphenols	1.354	1.268		-6.4	
Nitrobenzene-d5	0.355	0.344		-3.1	
2-Nitrophenol	0.173	0.171		-1.2	20.0
2,4-Dimethylphenol	0.239	0.230		-3.8	
2,4-Dichlorophenol	0.296	0.284		-4.1	20.0
Benzoic acid	0.210	0.221		5.2	
4-Chloro-3-methylphenol	0.331	0.312		-5.7	20.0
2,4,6-Trichlorophenol	0.398	0.393		-1.3	20.0
2-Fluorobiphenyl	1.315	1.265		-3.8	
2,4,5-Trichlorophenol	0.403	0.393		-2.5	
2,4-Dinitrophenol	0.139	0.155	0.050	11.5	
4-Nitrophenol	0.223	0.230	0.050	3.1	
4,6-Dinitro-2-methylphenol	0.119	0.125		5.0	
2,4,6-Tribromophenol	0.254	0.253		-0.4	
Pentachlorophenol	0.170	0.180		5.9	20.0
Terphenyl-d14	1.353	1.361		0.6	
2,3,4,6-Tetrachlorophenol	0.367	0.364		-0.8	

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: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG No.: Q1502

Instrument ID: BNA_P Calibration Date/Time: 03/13/2025 10:22

Lab File ID: BP024171.D Init. Calib. Date(s): 03/12/2025 03/12/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:17 21:02

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.253	1.221		-2.6	
Phenol-d6	1.675	1.634		-2.4	
Phenol	1.691	1.632		-3.5	20.0
2-Chlorophenol	1.353	1.312		-3.0	
2-Methylphenol	1.061	1.039		-2.1	
3+4-Methylphenols	1.457	1.437		-1.4	
Nitrobenzene-d5	0.354	0.352		-0.6	
2-Nitrophenol	0.167	0.169		1.2	20.0
2,4-Dimethylphenol	0.215	0.215		0.0	
2,4-Dichlorophenol	0.291	0.291		0.0	20.0
Benzoic acid	0.209	0.221		5.7	
4-Chloro-3-methylphenol	0.313	0.338		8.0	20.0
2,4,6-Trichlorophenol	0.367	0.367		0.0	20.0
2-Fluorobiphenyl	1.356	1.335		-1.5	
2,4,5-Trichlorophenol	0.403	0.406		0.7	
2,4-Dinitrophenol	0.156	0.164	0.050	5.1	
4-Nitrophenol	0.266	0.287	0.050	7.9	
4,6-Dinitro-2-methylphenol	0.119	0.117		-1.7	
2,4,6-Tribromophenol	0.252	0.256		1.6	
Pentachlorophenol	0.168	0.176		4.8	20.0
Terphenyl-d14	0.969	0.947		-2.3	
2,3,4,6-Tetrachlorophenol	0.356	0.358		0.6	

All other compounds must meet a minimum RRF of 0.010.