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

LAB CHRONICLE

OrderID:	Q1626	**OrderDate:**	3/21/2025 12:59:00 PM
Client:	Walsh Construction Company II, LLC	**Project:**	Walsh CO-032 Sampling
Contact:	Evelyne Benie Dion Gokan	**Location:**	F11,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1626-01	**CO-32-1**	**SOIL**			**03/21/25**			**03/21/25**
			SVOC-TCL BNA -20	8270E		03/24/25	03/24/25	
Q1626-03	**CO-32-1**	**TCLP**			**03/21/25**			**03/21/25**
			TCLP BNA	8270E		03/25/25	03/25/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1626

Client: Walsh Construction Company II, LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :								
				0.000				
			Total Svoc :			**0.00**		
			Total Concentration:			**0.00**		

SAMPLE DATA

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	03/25/25
Project:	Walsh CO-032 Sampling	Date Received:	03/25/25
Client Sample ID:	PB167275TB	SDG No.:	Q1626
Lab Sample ID:	PB167275TB	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142097.D	1	03/25/25 12:25	03/26/25 15:06	PB167310

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	12.8	U	12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.30	U	5.30	50.0	ug/L
95-48-7	2-Methylphenol	11.2	U	11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.0	U	11.0	100	ug/L
67-72-1	Hexachloroethane	6.50	U	6.50	50.0	ug/L
98-95-3	Nitrobenzene	7.60	U	7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	5.40	UQ	5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.10	U	5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	6.20	U	6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	12.2	UQ	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	5.20	UQ	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	15.8	U	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	147		10 - 139	98%	SPK: 150
13127-88-3	Phenol-d6	138		10 - 134	92%	SPK: 150
4165-60-0	Nitrobenzene-d5	102		49 - 133	102%	SPK: 100
321-60-8	2-Fluorobiphenyl	103		52 - 132	103%	SPK: 100
118-79-6	2,4,6-Tribromophenol	161		44 - 137	107%	SPK: 150
1718-51-0	Terphenyl-d14	110		48 - 125	110%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	124000	6.869			
1146-65-2	Naphthalene-d8	481000	8.151			
15067-26-2	Acenaphthene-d10	269000	9.91			
1517-22-2	Phenanthrene-d10	489000	11.392			
1719-03-5	Chrysene-d12	341000	14.033			
1520-96-3	Perylene-d12	285000	15.51			

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	03/25/25
Project:	Walsh CO-032 Sampling	Date Received:	03/25/25
Client Sample ID:	PB167275TB	SDG No.:	Q1626
Lab Sample ID:	PB167275TB	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142097.D	1	03/25/25 12:25	03/26/25 15:06	PB167310

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	03/21/25
Project:	Walsh CO-032 Sampling	Date Received:	03/21/25
Client Sample ID:	CO-32-1	SDG No.:	Q1626
Lab Sample ID:	Q1626-03	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142084.D	1	03/25/25 12:25	03/25/25 18:09	PB167310

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	12.8	U	12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.30	U	5.30	50.0	ug/L
95-48-7	2-Methylphenol	11.2	U	11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.0	U	11.0	100	ug/L
67-72-1	Hexachloroethane	6.50	U	6.50	50.0	ug/L
98-95-3	Nitrobenzene	7.60	U	7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	5.40	UQ	5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.10	U	5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	6.20	U	6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	12.2	UQ	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	5.20	UQ	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	15.8	U	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	143		10 - 139	96%	SPK: 150
13127-88-3	Phenol-d6	135		10 - 134	90%	SPK: 150
4165-60-0	Nitrobenzene-d5	102		49 - 133	102%	SPK: 100
321-60-8	2-Fluorobiphenyl	101		52 - 132	101%	SPK: 100
118-79-6	2,4,6-Tribromophenol	172		44 - 137	115%	SPK: 150
1718-51-0	Terphenyl-d14	127	*	48 - 125	127%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	156000	6.875			
1146-65-2	Naphthalene-d8	610000	8.151			
15067-26-2	Acenaphthene-d10	348000	9.904			
1517-22-2	Phenanthrene-d10	583000	11.392			
1719-03-5	Chrysene-d12	299000	14.033			
1520-96-3	Perylene-d12	257000	15.504			

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Report of Analysis

Client:	Walsh Construction Company II, LLC			Date Collected:	03/21/25
Project:	Walsh CO-032 Sampling			Date Received:	03/21/25
Client Sample ID:	CO-32-1			SDG No.:	Q1626
Lab Sample ID:	Q1626-03			Matrix:	TCLP
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142084.D	1	03/25/25 12:25	03/25/25 18:09	PB167310

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

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Surrogate Summary

SW-846

SDG No.: Q1626

Client: Walsh Construction Company II, LLC

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167275TB	PB167275TB	2-Fluorophenol	150	147	98		10	139
		Phenol-d6	150	138	92		10	134
		Nitrobenzene-d5	100	102	102		49	133
		2-Fluorobiphenyl	100	103	103		52	132
		2,4,6-Tribromophenol	150	161	107		44	137
		Terphenyl-d14	100	110	110		48	125
PB167310BL	PB167310BL	2-Fluorophenol	150	147	98		10	139
		Phenol-d6	150	138	92		10	134
		Nitrobenzene-d5	100	103	103		49	133
		2-Fluorobiphenyl	100	105	105		52	132
		2,4,6-Tribromophenol	150	163	109		44	137
		Terphenyl-d14	100	108	108		48	125
PB167310BS	PB167310BS	2-Fluorophenol	150	146	97		10	139
		Phenol-d6	150	140	93		10	134
		Nitrobenzene-d5	100	104	104		49	133
		2-Fluorobiphenyl	100	103	103		52	132
		2,4,6-Tribromophenol	150	179	120		44	137
		Terphenyl-d14	100	107	107		48	125
Q1626-03	CO-32-1	2-Fluorophenol	150	143	96		10	139
		Phenol-d6	150	135	90		10	134
		Nitrobenzene-d5	100	102	102		49	133
		2-Fluorobiphenyl	100	101	101		52	132
		2,4,6-Tribromophenol	150	172	115		44	137
		Terphenyl-d14	100	127	127	*	48	125
Q1627-01MS	GRID-LINE-1.2-NORTHMS	2-Fluorophenol	150	144	96		10	139
		Phenol-d6	150	135	90		10	134
		Nitrobenzene-d5	100	108	108		49	133
		2-Fluorobiphenyl	100	108	108		52	132
		2,4,6-Tribromophenol	150	179	119		44	137
		Terphenyl-d14	100	114	114		48	125
Q1627-01MSD	GRID-LINE-1.2-NORTHMSD	2-Fluorophenol	150	144	96		10	139
		Phenol-d6	150	136	91		10	134
		Nitrobenzene-d5	100	108	108		49	133
		2-Fluorobiphenyl	100	109	109		52	132
		2,4,6-Tribromophenol	150	175	116		44	137
		Terphenyl-d14	100	118	118		48	125

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1626

Client: Walsh Construction Company II, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1627-01MS		**Client Sample ID: GRID-LINE-1.2-NORTHMS**						**DataFile: BF142086.D**			
Pyridine	500	0	400	ug/L	80				10	109	
1,4-Dichlorobenzene	500	0	460	ug/L	92				55	125	
2-Methylphenol	500	0	520	ug/L	104				60	131	
3+4-Methylphenols	500	0	510	ug/L	102				54	136	
Hexachloroethane	500	0	450	ug/L	90				19	146	
Nitrobenzene	500	0	510	ug/L	102				62	112	
Hexachlorobutadiene	500	0	500	ug/L	100				52	125	
2,4,6-Trichlorophenol	500	0	570	ug/L	114	*			78	112	
2,4,5-Trichlorophenol	500	0	590	ug/L	118	*			71	111	
2,4-Dinitrotoluene	500	0	600	ug/L	120				74	137	
Hexachlorobenzene	500	0	620	ug/L	124	*			72	115	
Pentachlorophenol	1000	0	790	ug/L	79				52	162	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1626

Client: Walsh Construction Company II, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1627-01MSD		**Client Sample ID:** GRID-LINE-1.2-NORTHMSD						**DataFile:** BF142087.D			
Pyridine	500	0	410	ug/L	82		2		10	109	20
1,4-Dichlorobenzene	500	0	460	ug/L	92		0		55	125	20
2-Methylphenol	500	0	530	ug/L	106		2		60	131	20
3+4-Methylphenols	500	0	510	ug/L	102		0		54	136	20
Hexachloroethane	500	0	450	ug/L	90		0		19	146	20
Nitrobenzene	500	0	500	ug/L	100		2		62	112	20
Hexachlorobutadiene	500	0	500	ug/L	100		0		52	125	20
2,4,6-Trichlorophenol	500	0	590	ug/L	118	*	3		78	112	20
2,4,5-Trichlorophenol	500	0	560	ug/L	112	*	5		71	111	20
2,4-Dinitrotoluene	500	0	590	ug/L	118		2		74	137	20
Hexachlorobenzene	500	0	620	ug/L	124	*	0		72	115	20
Pentachlorophenol	1000	0	810	ug/L	81		3		52	162	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1626

Client: Walsh Construction Company II, LLC

Analytical Method: 8270E **DataFile:** BF142096.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167310BS	Pyridine	50	46.9	ug/L	94				29	97	
	1,4-Dichlorobenzene	50	50.6	ug/L	101				76	103	
	2-Methylphenol	50	49.5	ug/L	99				69	109	
	3+4-Methylphenols	50	48.0	ug/L	96				67	106	
	Hexachloroethane	50	50.1	ug/L	100				76	118	
	Nitrobenzene	50	50.0	ug/L	100				58	106	
	Hexachlorobutadiene	50	53.3	ug/L	107		*		69	101	
	2,4,6-Trichlorophenol	50	50.3	ug/L	101				61	110	
	2,4,5-Trichlorophenol	50	53.2	ug/L	106				70	106	
	2,4-Dinitrotoluene	50	57.8	ug/L	116		*		60	115	
	Hexachlorobenzene	50	53.3	ug/L	107		*		73	106	
	Pentachlorophenol	100	100	ug/L	100				47	114	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167310BL

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: Q1626 SAS No.: Q1626 SDG NO.: Q1626

Lab File ID: BF142095.D Lab Sample ID: PB167310BL

Instrument ID: BNA_F Date Extracted: 03/25/2025

Matrix: (soil/water) water Date Analyzed: 03/26/2025

Level: (low/med) LOW Time Analyzed: 14:07

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167310BS	PB167310BS	BF142096.D	03/26/2025
PB167275TB	PB167275TB	BF142097.D	03/26/2025
CO-32-1	Q1626-03	BF142084.D	03/25/2025
GRID-LINE-1.2-NORTHMS	Q1627-01MS	BF142086.D	03/25/2025
GRID-LINE-1.2-NORTHMSD	Q1627-01MSD	BF142087.D	03/25/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM SAS No.: Q1626 SDG NO.: Q1626

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	22.7
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	25
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	35
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	5.3
275	10.0 - 60.0% of mass 198	24.4
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	15.5
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

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM SAS No.: Q1626 SDG NO.: Q1626

Lab File ID: BF142067.D DFTPP Injection Date: 03/25/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:39

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	25.1
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	27.5
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	39.3
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	5.6
275	10.0 - 60.0% of mass 198	26
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	15.8
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	BF142068.D	03/25/2025	10:09
CO-32-1	Q1626-03	BF142084.D	03/25/2025	18:09
GRID-LINE-1.2-NORTHMS	Q1627-01MS	BF142086.D	03/25/2025	19:08
GRID-LINE-1.2-NORTHMSD	Q1627-01MSD	BF142087.D	03/25/2025	19:37

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM SAS No.: Q1626 SDG NO.: Q1626

Lab File ID: BF142091.D DFTPP Injection Date: 03/26/2025

Instrument ID: BNA_F DFTPP Injection Time: 11:38

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	22.8
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	25.5
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	36.4
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	5.3
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	15.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.3 (19.3) 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	BF142092.D	03/26/2025	12:37
PB167310BL	PB167310BL	BF142095.D	03/26/2025	14:07
PB167310BS	PB167310BS	BF142096.D	03/26/2025	14:36
PB167275TB	PB167275TB	BF142097.D	03/26/2025	15:06

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1626 SAS No.: Q1626 SDG NO.: Q1626

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/25/2025

Lab File ID: BF142068.D Time Analyzed: 10:09

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	160336	6.875	599217	8.16	347065	9.91
	UPPER LIMIT	320672	7.375	1198430	8.657	694130	10.41
	LOWER LIMIT	80168	6.375	299609	7.657	173533	9.41
	EPA SAMPLE NO.						
01	CO-32-1	156336	6.88	609764	8.15	348183	9.90
02	GRID-LINE-1.2-NORTHMS	146933	6.88	568677	8.16	316885	9.91
03	GRID-LINE-1.2-NORTHMSD	147582	6.88	576033	8.16	320833	9.91

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.: Q1626 SAS No.: Q1626 SDG NO.: Q1626

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/25/2025

Lab File ID: BF142068.D Time Analyzed: 10:09

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	578583	11.398	306767	14.033	312865	15.51
	UPPER LIMIT	1157170	11.898	613534	14.533	625730	16.01
	LOWER LIMIT	289292	10.898	153384	13.533	156433	15.01
	EPA SAMPLE NO.						
01	CO-32-1	583175	11.39	299418	14.03	256921	15.50
02	GRID-LINE-1.2-NORTHMS	518084	11.40	312206	14.03	310091	15.50
03	GRID-LINE-1.2-NORTHMSD	519359	11.40	286436	14.03	306276	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.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1626 SAS No.: Q1626 SDG NO.: Q1626

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/26/2025

Lab File ID: BF142092.D Time Analyzed: 12:37

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	126144	6.869	466289	8.15	264545	9.91
	UPPER LIMIT	252288	7.369	932578	8.651	529090	10.41
	LOWER LIMIT	63072	6.369	233145	7.651	132273	9.41
	EPA SAMPLE NO.						
01	PB167310BL	124680	6.87	480516	8.15	261927	9.90
02	PB167275TB	123691	6.87	480597	8.15	269310	9.91
03	PB167310BS	126237	6.87	477255	8.15	273347	9.91

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.: Q1626 SAS No.: Q1626 SDG NO.: Q1626

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/26/2025

Lab File ID: BF142092.D Time Analyzed: 12:37

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	490977	11.392	326411	14.033	325355	15.504
	UPPER LIMIT	981954	11.892	652822	14.533	650710	16.004
	LOWER LIMIT	245489	10.892	163206	13.533	162678	15.004
	EPA SAMPLE NO.						
01	PB167310BL	473117	11.39	346676	14.03	279819	15.51
02	PB167275TB	488702	11.39	340590	14.03	284587	15.51
03	PB167310BS	496995	11.40	337990	14.04	323857	15.51

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	Walsh CO-032 Sampling	Date Received:	
Client Sample ID:	PB167310BL	SDG No.:	Q1626
Lab Sample ID:	PB167310BL	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF142095.D	1	03/25/25 12:25	03/26/25 14:07	PB167310

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	1.30	U	1.30	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.53	U	0.53	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
67-72-1	Hexachloroethane	0.65	U	0.65	5.00	ug/L
98-95-3	Nitrobenzene	0.76	U	0.76	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.54	U	0.54	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
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
118-74-1	Hexachlorobenzene	0.52	U	0.52	5.00	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	147		10 - 139	98%	SPK: 150
13127-88-3	Phenol-d6	138		10 - 134	92%	SPK: 150
4165-60-0	Nitrobenzene-d5	103		49 - 133	103%	SPK: 100
321-60-8	2-Fluorobiphenyl	105		52 - 132	105%	SPK: 100
118-79-6	2,4,6-Tribromophenol	163		44 - 137	109%	SPK: 150
1718-51-0	Terphenyl-d14	108		48 - 125	108%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	125000	6.869			
1146-65-2	Naphthalene-d8	481000	8.151			
15067-26-2	Acenaphthene-d10	262000	9.904			
1517-22-2	Phenanthrene-d10	473000	11.392			
1719-03-5	Chrysene-d12	347000	14.033			
1520-96-3	Perylene-d12	280000	15.51			

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Report of Analysis

Client:	Walsh Construction Company II, LLC			Date Collected:	
Project:	Walsh CO-032 Sampling			Date Received:	
Client Sample ID:	PB167310BL			SDG No.:	Q1626
Lab Sample ID:	PB167310BL			Matrix:	TCLP
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
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
BF142095.D	1	03/25/25 12:25	03/26/25 14:07	PB167310

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	Walsh CO-032 Sampling	Date Received:	
Client Sample ID:	PB167310BS	SDG No.:	Q1626
Lab Sample ID:	PB167310BS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF142096.D	1	03/25/25 12:25	03/26/25 14:36	PB167310

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	46.9		1.30	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	50.6		0.53	5.00	ug/L
95-48-7	2-Methylphenol	49.5		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	48.0		1.10	10.0	ug/L
67-72-1	Hexachloroethane	50.1		0.65	5.00	ug/L
98-95-3	Nitrobenzene	50.0		0.76	5.00	ug/L
87-68-3	Hexachlorobutadiene	53.3		0.54	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	50.3		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	53.2		0.62	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	57.8		1.20	5.00	ug/L
118-74-1	Hexachlorobenzene	53.3		0.52	5.00	ug/L
87-86-5	Pentachlorophenol	100	E	1.60	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	146		10 - 139	97%	SPK: 150
13127-88-3	Phenol-d6	140		10 - 134	93%	SPK: 150
4165-60-0	Nitrobenzene-d5	104		49 - 133	104%	SPK: 100
321-60-8	2-Fluorobiphenyl	103		52 - 132	103%	SPK: 100
118-79-6	2,4,6-Tribromophenol	179		44 - 137	120%	SPK: 150
1718-51-0	Terphenyl-d14	107		48 - 125	107%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	126000	6.869			
1146-65-2	Naphthalene-d8	477000	8.151			
15067-26-2	Acenaphthene-d10	273000	9.91			
1517-22-2	Phenanthrene-d10	497000	11.398			
1719-03-5	Chrysene-d12	338000	14.039			
1520-96-3	Perylene-d12	324000	15.51			

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Report of Analysis

Client:	Walsh Construction Company II, LLC			Date Collected:	
Project:	Walsh CO-032 Sampling			Date Received:	
Client Sample ID:	PB167310BS			SDG No.:	Q1626
Lab Sample ID:	PB167310BS			Matrix:	TCLP
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
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
BF142096.D	1	03/25/25 12:25	03/26/25 14:36	PB167310

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	03/20/25
Project:	Walsh CO-032 Sampling	Date Received:	03/21/25
Client Sample ID:	GRID-LINE-1.2-NORTHMS	SDG No.:	Q1626
Lab Sample ID:	Q1627-01MS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF142086.D	1	03/25/25 12:25	03/25/25 19:08	PB167310

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	400		12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	460		5.30	50.0	ug/L
95-48-7	2-Methylphenol	520		11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	510		11.0	100	ug/L
67-72-1	Hexachloroethane	450		6.50	50.0	ug/L
98-95-3	Nitrobenzene	510		7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	500		5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	570		5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	590		6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	600		12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	620		5.20	50.0	ug/L
87-86-5	Pentachlorophenol	790		15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	144		10 - 139	96%	SPK: 150
13127-88-3	Phenol-d6	135		10 - 134	90%	SPK: 150
4165-60-0	Nitrobenzene-d5	108		49 - 133	108%	SPK: 100
321-60-8	2-Fluorobiphenyl	108		52 - 132	108%	SPK: 100
118-79-6	2,4,6-Tribromophenol	179		44 - 137	119%	SPK: 150
1718-51-0	Terphenyl-d14	114		48 - 125	114%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	147000	6.875			
1146-65-2	Naphthalene-d8	569000	8.157			
15067-26-2	Acenaphthene-d10	317000	9.91			
1517-22-2	Phenanthrene-d10	518000	11.398			
1719-03-5	Chrysene-d12	312000	14.033			
1520-96-3	Perylene-d12	310000	15.504			

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	03/20/25
Project:	Walsh CO-032 Sampling	Date Received:	03/21/25
Client Sample ID:	GRID-LINE-1.2-NORTHMS	SDG No.:	Q1626
Lab Sample ID:	Q1627-01MS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF142086.D	1	03/25/25 12:25	03/25/25 19:08	PB167310

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	03/20/25
Project:	Walsh CO-032 Sampling	Date Received:	03/21/25
Client Sample ID:	GRID-LINE-1.2-NORTHMSD	SDG No.:	Q1626
Lab Sample ID:	Q1627-01MSD	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF142087.D	1	03/25/25 12:25	03/25/25 19:37	PB167310

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	410		12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	460		5.30	50.0	ug/L
95-48-7	2-Methylphenol	530		11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	510		11.0	100	ug/L
67-72-1	Hexachloroethane	450		6.50	50.0	ug/L
98-95-3	Nitrobenzene	500		7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	500		5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	590		5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	560		6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	590		12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	620		5.20	50.0	ug/L
87-86-5	Pentachlorophenol	810	E	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	144		10 - 139	96%	SPK: 150
13127-88-3	Phenol-d6	136		10 - 134	91%	SPK: 150
4165-60-0	Nitrobenzene-d5	108		49 - 133	108%	SPK: 100
321-60-8	2-Fluorobiphenyl	109		52 - 132	109%	SPK: 100
118-79-6	2,4,6-Tribromophenol	175		44 - 137	116%	SPK: 150
1718-51-0	Terphenyl-d14	118		48 - 125	118%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	148000	6.875			
1146-65-2	Naphthalene-d8	576000	8.157			
15067-26-2	Acenaphthene-d10	321000	9.91			
1517-22-2	Phenanthrene-d10	519000	11.398			
1719-03-5	Chrysene-d12	286000	14.033			
1520-96-3	Perylene-d12	306000	15.504			

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	03/20/25
Project:	Walsh CO-032 Sampling	Date Received:	03/21/25
Client Sample ID:	GRID-LINE-1.2-NORTHMSD	SDG No.:	Q1626
Lab Sample ID:	Q1627-01MSD	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF142087.D	1	03/25/25 12:25	03/25/25 19:37	PB167310

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

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Mar 10 15:46:22 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF141897.D 5 =BF141898.D 10 =BF141899.D 20 =BF141900.D 40 =BF141901.D 50 =BF141905.D 60 =BF141903.D 80 =BF1419
04.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.490	0.482	0.536	0.504	0.495	0.501	0.508	0.502	3.43
3)		Pyridine		1.217	1.204	1.334	1.221	1.203	1.209	1.233	1.232	3.77
4)		n-Nitrosodimet...		0.554	0.556	0.621	0.583	0.595	0.594	0.607	0.587	4.26
5)	S	2-Fluorophenol		1.267	1.243	1.298	1.148	1.162	1.146	1.124	1.198	5.79
6)		Aniline		1.599	1.602	1.640	1.465	1.443	1.435	1.351	1.505	7.20
7)	S	Phenol-d6		1.623	1.593	1.644	1.442	1.483	1.471	1.424	1.526	5.99
8)		2-Chlorophenol		1.421	1.354	1.434	1.259	1.295	1.284	1.256	1.329	5.63
9)		Benzaldehyde			1.021	0.975	0.778	0.778	0.716		0.853	15.85
10)	C	Phenol		1.708	1.675	1.747	1.536	1.542	1.532	1.496	1.605	6.30
11)		bis(2-Chloroet...		1.287	1.246	1.281	1.144	1.175	1.176	1.127	1.205	5.43
12)		1,3-Dichlorobe...		1.475	1.489	1.538	1.373	1.401	1.401	1.367	1.435	4.59
13)	C	1,4-Dichlorobe...		1.514	1.503	1.548	1.393	1.408	1.420	1.376	1.452	4.71
14)		1,2-Dichlorobe...		1.461	1.417	1.460	1.303	1.315	1.343	1.273	1.367	5.69
15)		Benzyl Alcohol		1.236	1.252	1.322	1.185	1.214	1.246	1.180	1.233	3.91
16)		2,2'-oxybis(1-...		1.591	1.525	1.534	1.363	1.387	1.472	1.313	1.455	7.07
17)		2-Methylphenol		1.080	1.050	1.122	1.008	1.038	1.079	1.021	1.057	3.73
18)		Hexachloroethane		0.545	0.551	0.576	0.517	0.540	0.560	0.522	0.544	3.76
19)	P	n-Nitroso-di-n...	1.020	1.024	1.000	1.043	0.913	0.940	0.991	0.912	0.980	5.29
20)		3+4-Methylphenols		1.449	1.394	1.470	1.294	1.311	1.334	1.223	1.354	6.55
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.514	0.493	0.513	0.460	0.450	0.469	0.453	0.479	5.76
23)	S	Nitrobenzene-d5		0.345	0.356	0.379	0.348	0.344	0.363	0.353	0.355	3.47
24)		Nitrobenzene		0.347	0.351	0.375	0.346	0.343	0.359	0.352	0.353	3.07
25)		Isophorone		0.647	0.620	0.655	0.600	0.605	0.648	0.622	0.628	3.49
26)	C	2-Nitrophenol		0.150	0.159	0.182	0.175	0.179	0.188	0.181	0.173	7.88
27)		2,4-Dimethylph...		0.247	0.234	0.251	0.231	0.233	0.244	0.232	0.239	3.45
28)		bis(2-Chloroet...		0.411	0.406	0.416	0.372	0.377	0.397	0.378	0.394	4.63
29)	C	2,4-Dichloroph...		0.292	0.295	0.309	0.286	0.295	0.303	0.294	0.296	2.54
30)		1,2,4-Trichlor...		0.337	0.325	0.342	0.310	0.318	0.333	0.322	0.327	3.50
31)		Naphthalene		1.104	1.075	1.101	0.984	1.001	0.973	0.954	1.027	6.22
32)		Benzoic acid			0.149	0.191	0.208	0.228	0.242	0.241	0.210	17.07
33)		4-Chloroaniline		0.383	0.378	0.393	0.351	0.354	0.352	0.329	0.363	6.14
34)	C	Hexachlorobuta...		0.211	0.211	0.221	0.203	0.214	0.214	0.216	0.213	2.52
35)		Caprolactam		0.092	0.089	0.094	0.084	0.088	0.090	0.094	0.090	4.00
36)	C	4-Chloro-3-met...		0.334	0.331	0.349	0.318	0.329	0.334	0.320	0.331	3.13
37)		2-Methylnaphth...		0.746	0.709	0.733	0.653	0.655	0.667	0.645	0.687	6.09
38)		1-Methylnaphth...		0.717	0.691	0.721	0.623	0.619	0.647	0.620	0.663	6.95

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF031025.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.615	0.604	0.626	0.592	0.597	0.606	0.623	0.609	2.11
41)	P	Hexachlorocycl...	0.204	0.221	0.249	0.250	0.237	0.252	0.256	0.238	8.03
42)	S	2,4,6-Tribromo...	0.234	0.236	0.259	0.250	0.259	0.265	0.272	0.254	5.67
43)	C	2,4,6-Trichlor...	0.388	0.389	0.402	0.398	0.400	0.401	0.409	0.398	1.91
44)		2,4,5-Trichlor...	0.396	0.391	0.422	0.389	0.400	0.415	0.407	0.403	3.05
45)	S	2-Fluorobiphenyl	1.430	1.379	1.379	1.254	1.272	1.246	1.246	1.315	5.95
46)		1,1'-Biphenyl	1.636	1.573	1.591	1.454	1.502	1.431	1.450	1.520	5.29
47)		2-Chloronaphth...	1.197	1.141	1.181	1.091	1.129	1.090	1.100	1.133	3.82
48)		2-Nitroaniline	0.296	0.314	0.346	0.322	0.356	0.332	0.330	0.328	6.08
49)		Acenaphthylene	1.765	1.740	1.778	1.635	1.664	1.595	1.589	1.681	4.74
50)		Dimethylphthalate	1.481	1.414	1.469	1.329	1.425	1.345	1.341	1.401	4.47
51)		2,6-Dinitrotol...	0.277	0.279	0.305	0.285	0.307	0.296	0.292	0.292	4.11
52)	C	Acenaphthene	1.236	1.195	1.231	1.146	1.144	1.165	1.152	1.181	3.37
53)		3-Nitroaniline	0.291	0.295	0.316	0.293	0.283	0.301	0.291	0.296	3.61
54)	P	2,4-Dinitrophenol		0.085	0.124	0.142	0.153	0.161	0.169	0.139	22.02
55)		Dibenzofuran	1.849	1.787	1.791	1.614	1.607	1.596	1.570	1.688	6.87
56)	P	4-Nitrophenol	0.192	0.216	0.234	0.230	0.229	0.230	0.230	0.223	6.60
57)		2,4-Dinitrotol...	0.365	0.382	0.402	0.375	0.383	0.383	0.376	0.381	2.95
58)		Fluorene	1.443	1.361	1.381	1.229	1.243	1.234	1.220	1.302	7.01
59)		2,3,4,6-Tetrac...	0.355	0.365	0.390	0.359	0.364	0.366	0.369	0.367	3.05
60)		Diethylphthalate	1.475	1.471	1.497	1.336	1.357	1.338	1.302	1.397	5.80
61)		4-Chlorophenyl...	0.730	0.688	0.702	0.643	0.664	0.656	0.667	0.679	4.41
62)		4-Nitroaniline	0.284	0.288	0.304	0.288	0.287	0.286	0.278	0.288	2.73
63)		Azobenzene	1.392	1.363	1.404	1.245	1.261	1.226	1.197	1.298	6.57
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.083	0.111	0.121	0.130	0.133	0.137	0.119	16.61
66)	c	n-Nitrosodiphe...	0.675	0.651	0.671	0.620	0.638	0.638	0.637	0.647	3.03
67)		4-Bromophenyl-...	0.240	0.249	0.255	0.244	0.263	0.245	0.262	0.251	3.55
68)		Hexachlorobenzene	0.262	0.267	0.284	0.269	0.283	0.271	0.292	0.275	3.92
69)		Atrazine	0.216	0.213	0.193	0.164	0.206			0.198	10.72
70)	C	Pentachlorophenol	0.130	0.151	0.172	0.177	0.180	0.186	0.191	0.170	12.66
71)		Phenanthrene	1.155	1.151	1.138	1.038	1.026	1.032	1.023	1.080	5.90
72)		Anthracene	1.173	1.139	1.139	1.046	1.026	1.036	1.026	1.084	5.89
73)		Carbazole	0.996	0.994	0.985	0.908	0.903	0.892	0.864	0.935	5.91
74)		Di-n-butylphth...	1.320	1.321	1.319	1.177	1.238	1.175	1.132	1.240	6.50
75)	C	Fluoranthene	1.234	1.226	1.228	1.108	1.148	1.059	1.017	1.146	7.66
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.347	0.309	0.190	0.360	0.220	0.275	0.252	0.279	22.73
78)		Pyrene	1.695	1.651	1.727	1.611	1.877	1.823	1.726	1.730	5.38
79)	S	Terphenyl-d14	1.343	1.309	1.360	1.276	1.380	1.417	1.384	1.353	3.56
80)		Butylbenzylpht...	0.629	0.656	0.702	0.655	0.703	0.717	0.677	0.677	4.72
81)		Benzo(a)anthra...	1.370	1.304	1.334	1.273	1.294	1.317	1.294	1.312	2.41
82)		3,3'-Dichlorob...	0.370	0.389	0.380	0.372	0.365	0.394	0.384	0.379	2.78
83)		Chrysene	1.143	1.194	1.260	1.136	1.192	1.213	1.189	1.190	3.53
84)		Bis(2-ethylhex...	0.897	0.912	0.966	0.904	0.978	0.952	0.927	0.934	3.43
85)	c	Di-n-octyl pht...	1.145	1.219	1.338	1.265	1.376	1.390	1.361	1.299	7.10

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF031025.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.097	1.142	1.308	1.287	1.322	1.472	1.429	1.294	10.60
88)		Benzo(b)fluora...	1.420	1.310	1.485	1.210	1.346	1.390	1.434	1.371	6.65
89)		Benzo(k)fluora...	1.162	1.268	1.197	1.205	1.129	1.210	1.041	1.173	6.16
90)	C	Benzo(a)pyrene	1.040	1.042	1.123	1.036	1.083	1.083	1.101	1.073	3.16
91)		Dibenzo(a,h)an...	0.910	0.953	1.073	1.068	1.095	1.195	1.178	1.067	9.91
92)		Benzo(g,h,i)pe...	0.912	0.949	1.061	1.065	1.064	1.167	1.167	1.055	9.24

(#) = Out of Range

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: Q1626 SAS No.: Q1626 SDG No.: Q1626

Instrument ID: BNA_F Calibration Date/Time: 03/25/2025 10:09

Lab File ID: BF142068.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
Pyridine	1.232	1.105		-10.3	
2-Fluorophenol	1.198	1.114		-7.0	
Phenol-d6	1.526	1.410		-7.6	
1,4-Dichlorobenzene	1.452	1.394		-4.0	20.0
2-Methylphenol	1.057	0.968		-8.4	
3+4-Methylphenols	1.354	1.221		-9.8	
Nitrobenzene-d5	0.355	0.354		-0.3	
Hexachloroethane	0.544	0.512		-5.9	
Nitrobenzene	0.353	0.340		-3.7	
Hexachlorobutadiene	0.213	0.215		0.9	20.0
2,4,6-Trichlorophenol	0.398	0.377		-5.3	20.0
2-Fluorobiphenyl	1.315	1.251		-4.9	
2,4,5-Trichlorophenol	0.403	0.413		2.5	
2,4-Dinitrotoluene	0.381	0.386		1.3	
2,4,6-Tribromophenol	0.254	0.262		3.2	
Hexachlorobenzene	0.275	0.279		1.5	
Pentachlorophenol	0.170	0.174		2.4	20.0
Terphenyl-d14	1.353	1.473		8.9	

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: WALS01

Lab Code: CHEM Case No.: Q1626 SAS No.: Q1626 SDG No.: Q1626

Instrument ID: BNA_F Calibration Date/Time: 03/26/2025 12:37

Lab File ID: BF142092.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
Pyridine	1.232	1.193		-3.2	
2-Fluorophenol	1.198	1.203		0.4	
Phenol-d6	1.526	1.465		-4.0	
1,4-Dichlorobenzene	1.452	1.461		0.6	20.0
2-Methylphenol	1.057	0.986		-6.7	
3+4-Methylphenols	1.354	1.260		-6.9	
Nitrobenzene-d5	0.355	0.364		2.5	
Hexachloroethane	0.544	0.532		-2.2	
Nitrobenzene	0.353	0.352		-0.3	
Hexachlorobutadiene	0.213	0.224		5.2	20.0
2,4,6-Trichlorophenol	0.398	0.407		2.3	20.0
2-Fluorobiphenyl	1.315	1.316		0.1	
2,4,5-Trichlorophenol	0.403	0.415		3.0	
2,4-Dinitrotoluene	0.381	0.428		12.3	
2,4,6-Tribromophenol	0.254	0.288		13.4	
Hexachlorobenzene	0.275	0.283		2.9	
Pentachlorophenol	0.170	0.182		7.1	20.0
Terphenyl-d14	1.353	1.383		2.2	

All other compounds must meet a minimum RRF of 0.010.