

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BE022515 SAS No.: BE022515 SDG NO.: BE022515

EPA Sample No.: SSTDCCC001 Date Analyzed: Feb 25 2015 12:00AM

Lab File ID: BE089684.D Time Analyzed: 18:15

Instrument ID: BNA_E GC Column: RXI-5 ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	23006	9.34	114662	12.24	60121	16.41
UPPER LIMIT	46012	9.84	229324	12.74	120242	16.91
LOWER LIMIT	11503	8.84	57331	11.74	30060.5	15.91
EPA SAMPLE NO.						
01 PB81861BS	39023	9.34	192338	12.24	94052	16.42
02 PB81861BSD	39297	9.34	182002	12.24	88271	16.42
03 PB81861BL	37583	9.34	175759	12.24	77850	16.41
04 MW-2	43711	9.34	204174	12.24	94212	16.41
05 FB	44546	9.33	211438	12.24	98161	16.41

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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

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Instrument ID: BNA_E GC Column: RXI-5 ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	103808	19.76	62823	23.65	39395	25.34
UPPER LIMIT	207616	20.26	125646	24.15	78790	25.84
LOWER LIMIT	51904	19.26	31411.5	23.15	19697.5	24.84
EPA SAMPLE NO.						
01 PB81861BS	141897	19.77	104619	23.66	84055 *	25.34
02 PB81861BSD	139393	19.77	107751	23.65	88983 *	25.34
03 PB81861BL	116830	19.76	69237	23.65	55850	25.34
04 MW-2	161123	19.76	119018	23.65	98623 *	25.34
05 FB	165907	19.76	116907	23.65	99273 *	25.34

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.

Hit Summary Sheet **SW-846**

SDG No.: BE022515

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :	MW-2								
G1353-01	MW-2	Water	2-Methylnaphthalene	1.300		0.01	0.05	0.1	ug/L
G1353-01	MW-2	Water	Acenaphthene	0.380		0.02	0.05	0.1	ug/L
G1353-01	MW-2	Water	Acenaphthylene	0.310		0.02	0.05	0.1	ug/L
G1353-01	MW-2	Water	Anthracene	0.400		0.02	0.05	0.1	ug/L
G1353-01	MW-2	Water	Benzo(a)anthracene	0.330		0.02	0.05	0.1	ug/L
G1353-01	MW-2	Water	Benzo(a)pyrene	0.430		0.02	0.05	0.1	ug/L
G1353-01	MW-2	Water	Benzo(b)fluoranthene	0.470		0.02	0.05	0.1	ug/L
G1353-01	MW-2	Water	Benzo(g,h,i)perylene	0.430		0.02	0.05	0.1	ug/L
G1353-01	MW-2	Water	Benzo(k)fluoranthene	0.360		0.02	0.05	0.1	ug/L
G1353-01	MW-2	Water	Chrysene	0.310		0.02	0.05	0.1	ug/L
G1353-01	MW-2	Water	Dibenzo(a,h)anthracene	0.480		0.02	0.05	0.1	ug/L
G1353-01	MW-2	Water	Fluoranthene	0.340		0.02	0.05	0.1	ug/L
G1353-01	MW-2	Water	Fluorene	0.710		0.02	0.05	0.1	ug/L
G1353-01	MW-2	Water	Hexachlorobenzene	0.260		0.02	0.05	0.1	ug/L
G1353-01	MW-2	Water	Indeno(1,2,3-cd)pyrene	0.520		0.02	0.05	0.1	ug/L
G1353-01	MW-2	Water	Naphthalene	0.270		0.02	0.05	0.1	ug/L
G1353-01	MW-2	Water	Pentachlorophenol	1.600		0.02	0.25	0.5	ug/L
G1353-01	MW-2	Water	Phenanthrene	1.300		0.02	0.05	0.1	ug/L
G1353-01	MW-2	Water	Pyrene	0.410		0.02	0.05	0.1	ug/L

Total Svoc :

10.61

Total Concentration:

10.61

Client ID : FB

G1353-02	FB	Water	2-Methylnaphthalene	0.330		0.02	0.075	0.15	ug/L
G1353-02	FB	Water	Acenaphthene	0.150		0.03	0.075	0.15	ug/L
G1353-02	FB	Water	Acenaphthylene	0.120	J	0.03	0.075	0.15	ug/L
G1353-02	FB	Water	Anthracene	0.150		0.03	0.075	0.15	ug/L
G1353-02	FB	Water	Benzo(a)anthracene	0.160		0.03	0.075	0.15	ug/L
G1353-02	FB	Water	Benzo(a)pyrene	0.180		0.03	0.075	0.15	ug/L
G1353-02	FB	Water	Benzo(b)fluoranthene	0.210		0.03	0.075	0.15	ug/L
G1353-02	FB	Water	Benzo(g,h,i)perylene	0.250		0.03	0.075	0.15	ug/L
G1353-02	FB	Water	Benzo(k)fluoranthene	0.190		0.03	0.075	0.15	ug/L
G1353-02	FB	Water	Chrysene	0.150		0.03	0.075	0.15	ug/L
G1353-02	FB	Water	Dibenzo(a,h)anthracene	0.270		0.03	0.075	0.15	ug/L
G1353-02	FB	Water	Fluoranthene	0.150		0.03	0.075	0.15	ug/L
G1353-02	FB	Water	Fluorene	0.220		0.03	0.075	0.15	ug/L
G1353-02	FB	Water	Hexachlorobenzene	0.120	J	0.03	0.075	0.15	ug/L
G1353-02	FB	Water	Naphthalene	0.120	J	0.03	0.075	0.15	ug/L
G1353-02	FB	Water	Pentachlorophenol	1.600		0.03	0.375	0.75	ug/L
G1353-02	FB	Water	Phenanthrene	0.390		0.03	0.075	0.15	ug/L



Hit Summary Sheet
SW-846

SDG No.: BE022515

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
G1353-02	FB	Water	Pyrene	0.180		0.03	0.075	0.15	ug/L
			Total Svoc :			4.94			
			Total Concentration:			4.94			

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BE022515

Client: _____

Analytical Method: 8270-Modified

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits	
								Qual		High	RPD
PB81861BS	n-Nitrosodimethylamine	10	7.9	ug/L	79				10	160	
	Naphthalene	10	6.6	ug/L	66				42	115	
	2-Methylnaphthalene	10	7.1	ug/L	71				20	150	
	Acenaphthylene	10	6.3	ug/L	63				52	118	
	Acenaphthene	10	5.8	ug/L	58				51	118	
	Fluorene	10	5.8	ug/L	58				52	121	
	Hexachlorobenzene	10	6.4	ug/L	64				45	136	
	Pentachlorophenol	10	9.6	ug/L	96				10	124	
	Phenanthrene	10	5.9	ug/L	59				55	126	
	Anthracene	10	6.8	ug/L	68				59	122	
	Fluoranthene	10	6	ug/L	60		*		61	127	
	Pyrene	10	6.6	ug/L	66				62	128	
	Benzo(a)anthracene	10	6.8	ug/L	68				52	136	
	Chrysene	10	5.9	ug/L	59				55	136	
	Benzo(b)fluoranthene	10	5.8	ug/L	58				48	149	
	Benzo(k)fluoranthene	10	7	ug/L	70				54	138	
	Benzo(a)pyrene	10	5.8	ug/L	58				55	139	
	Indeno(1,2,3-cd)pyrene	10	6.1	ug/L	61				10	145	
	Dibenz(a,h)anthracene	10	5.9	ug/L	59				45	150	
	Benzo(g,h,i)perylene	10	9.1	ug/L	91				54	138	
	1,4-Dioxane	10	8.2	ug/L	82				70	130	
PB81861BSD	n-Nitrosodimethylamine	10	8.5	ug/L	85	7			10	160	20
	Naphthalene	10	7.8	ug/L	78	17			42	115	20
	2-Methylnaphthalene	10	8.6	ug/L	86	19			20	150	20
	Acenaphthylene	10	8	ug/L	80	24		*	52	118	20
	Acenaphthene	10	7.4	ug/L	74	24		*	51	118	20
	Fluorene	10	7.5	ug/L	75	26		*	52	121	20
	Hexachlorobenzene	10	8.1	ug/L	81	23		*	45	136	20
	Pentachlorophenol	10	11.9	ug/L	119	21		*	10	124	20
	Phenanthrene	10	7.4	ug/L	74	23		*	55	126	20
	Anthracene	10	8.8	ug/L	88	26		*	59	122	20
	Fluoranthene	10	8.1	ug/L	81	30		*	61	127	20
	Pyrene	10	8.3	ug/L	83	23		*	62	128	20
	Benzo(a)anthracene	10	9.1	ug/L	91	29		*	52	136	20
	Chrysene	10	7.5	ug/L	75	24		*	55	136	20
	Benzo(b)fluoranthene	10	7.1	ug/L	71	20			48	149	20
	Benzo(k)fluoranthene	10	8.7	ug/L	87	22		*	54	138	20
	Benzo(a)pyrene	10	7	ug/L	70	19			55	139	20
	Indeno(1,2,3-cd)pyrene	10	7.6	ug/L	76	22		*	10	145	20
	Dibenz(a,h)anthracene	10	7.2	ug/L	72	20			45	150	20
	Benzo(g,h,i)perylene	10	12	ug/L	120	27		*	54	138	20
	1,4-Dioxane	10	8.8	ug/L	88	7			70	130	20



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

MW-2

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BE022515SAS No.: BE022515 SDG NO.: BE022515Lab File ID: BE089688.DLab Sample ID: G1353-01Instrument ID: BNA_EDate Extracted: 02/24/2015Matrix: (soil/water) WaterDate Analyzed: 02/25/2015Level: (low/med) LOWTime Analyzed: 20:11

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
MW-2	G1353-01	BE089688.D	02/25/2015
FB	G1353-02	BE089689.D	02/25/2015

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB81861BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BE022515SAS No.: BE022515 SDG NO.: BE022515Lab File ID: BE089687.DLab Sample ID: PB81861BLInstrument ID: BNA_EDate Extracted: 02/24/2015Matrix: (soil/water) WaterDate Analyzed: 02/25/2015Level: (low/med) LOWTime Analyzed: 19:32

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB81861BS	PB81861BS	BE089685.D	02/25/2015
PB81861BSD	PB81861BSD	BE089686.D	02/25/2015

COMMENTS: _____



Surrogate Summary
SW-846

SDG No.: BE022515

Client:

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
G1353-01	MW-2	Nitrobenzene-d5	10	6.32	63		20	139
		2-Fluorobiphenyl	10	8.18	82		10	173
		Terphenyl-d14	10	10.81	108		20	171
G1353-02	FB	Nitrobenzene-d5	10	6.99	70		20	139
		2-Fluorobiphenyl	10	8.48	85		10	173
		Terphenyl-d14	10	11.34	113		20	171



Surrogate Summary
SW-846

SDG No.: BE022515

Client:

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB81861BL	PB81861BL	Nitrobenzene-d5	10	7.71	77		20	139
		2-Fluorobiphenyl	10	9.06	91		10	173
		Terphenyl-d14	10	11.19	112		20	171
PB81861BS	PB81861BS	Nitrobenzene-d5	10	6.37	64		20	139
		2-Fluorobiphenyl	10	6.94	69		10	173
		Terphenyl-d14	10	7.28	73		20	171
PB81861BSD	PB81861BSD	Nitrobenzene-d5	10	7.76	78		20	139
		2-Fluorobiphenyl	10	8.43	84		10	173
		Terphenyl-d14	10	9.27	93		20	171



Instrument ID: BNA_E

284 Sheffield Street, Mountainside NJ 07092 (908) 789-8900

Daily Analysis Runlog For Sequence/QCBatch ID #BE022515

STD. NAME	STD REF. #	STD. NAME	STD REF. #
Review By		Review On	
Tune/Reschk	SP3197	Initial Calibration Stds	SP3198,SP3199,SP3200,SP3201,SP3202,SP3203,SP3203,SP3204,SP3205,SP3117
CCC	SP3201	SubDirectory	BE022515
Internal Standard/PEM	S4077	HP Acquire Method	MON_SMPH,BNA_EL
ICV/I.BLK	SP3117	HP Processing Method	8270-SIM-BE022415.D

Sr#	SampleId	Data File Name	Comment	Status
1	DFTPP	BE089683.D		Ok
2	SSTDCCC001	BE089684.D	Comp. no # 5(21.9) marginary failling low,Comp. no # 15(-72.5), 20(-26.5), 21(-25.0) Failling high	Ok
3	PB81861BS	BE089685.D	Internal Std. fail	ReRun
4	PB81861BSD	BE089686.D	Many Comp. fail for rpd, Internal Std. fail	Not Ok
5	PB81861BL	BE089687.D		Ok,NR
6	G1353-01	BE089688.D	Internal Std. fail	ReRun
7	G1353-02	BE089689.D	Internal Std. fail	ReRun
8	SSTDCCC001	BE089690.D	Comp. no # 21(-50.9) marginary failling high	Ok,NR



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Sequence :: SVOA :: Non Conformance Summary Details

Summary Inserted Successfully.		
Sr.No	Summary Details	Status
1.	Chromatograms Labeled/Compounds Identified.(Field samples and Method Blanks)	☐ NA ☐ NO ☒ YES
2.	GC/MS Tuning Specifications. DFTPP Meet Criteria Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)	☐ NA ☐ NO ☒ YES
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series	☐ NA ☐ NO ☒ YES
4.	GC/MS Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series	☐ NA ☐ NO ☒ YES
5.	GC/MS Calibration Requirements Met:	☐ NA ☐ NO ☒ YES
5a	Initial calibration Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range.	☐ NA ☐ NO ☒ YES
Comment :		
5b	Continuous Calibration(CCC) Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range.	☐ NA ☐ NO ☒ YES
Comment : Comp. no # 5(21.9) marginary failling low,Comp. no # 15(-72.5), 20(-26.5), 21(-25.0) Failling high in SSTDCCC001(BE089684.D),Comp. no # 21(-50.9) marginary		
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:	☐ NA ☒ NO ☐ YES
a. B/N Fraction :		
b. Acid Fraction :		
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges	☐ NA ☐ NO ☒ YES
a. B/N Fraction :		
b. Acid Fraction :		
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range.	☐ NA ☐ NO ☒ YES
a. B/N Fraction :		
b. Acid Fraction :		
9.	Internal Standard Area/Retention Time Shift Meet Criteria	☐ NA ☐ NO ☒ YES
Comments: Internal Std. fail in PB81861BS, PB81861BSD, G1353-01, G1353-02.		

10.	Extraction Holding Time Met If not met, list number of days exceeded for each sample:	☐ NA ☐ NO ☒ YES
11.	Analysis Holding Time Met If not met, list number of days exceeded for each sample:	☐ NA ☐ NO ☒ YES
ADDITIONAL COMMENTS:		
Submit Report		