

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
 Data File : BM049546.D
 Acq On : 31 Jan 2025 04:18
 Operator : RC/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD020087

Quant Time: Jan 31 09:03:04 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jan 28 14:45:18 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/31/2025
 Supervised By :mohammad ahmed 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.504	152	250425	20.000	ng/u1	0.00
20) Naphthalene-d8	10.269	136	957549	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.151	164	634792	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.904	188	1312588	20.000	ng/u1	0.00
79) Chrysene-d12	21.139	240	1306013	20.000	ng/u1	0.00
88) Perylene-d12	23.921	264	1373873	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.110	96	49528	7.328	ng/uL	-0.01
4) Pyridine-d5	3.498	84	366657	18.464	ng/u1	-0.01
7) Phenol-d5	6.722	99	400970	19.731	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	6.857	67	262399	18.883	ng/u1	0.00
11) 2-Chlorophenol-d4	7.057	132	326485	20.762	ng/u1	0.00
15) 4-Methylphenol-d8	8.239	113	304355	20.442	ng/u1	0.01
21) Nitrobenzene-d5	8.651	128	150666	20.567	ng/u1	0.00
24) 2-Nitrophenol-d4	9.369	143	172913	21.640	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.916	165	339115	20.797	ng/u1	0.01
31) 4-Chloroaniline-d4	10.416	131	414725	19.828	ng/u1	0.00
46) Dimethylphthalate-d6	13.574	166	913076	19.618	ng/u1	0.00
49) Acenaphthylene-d8	13.839	160	1089402	19.921	ng/u1	0.00
54) 4-Nitrophenol-d4	14.415	143	148299	19.423	ng/u1	0.04
60) Fluorene-d10	15.151	176	819745	20.028	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.286	200	141933	17.160	ng/u1	0.00
73) Anthracene-d10	17.003	188	1309768	19.982	ng/u1	0.00
81) Pyrene-d10	19.309	212	1503233	19.689	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.732	264	1441941	19.678	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.140	88	52230	7.354	ng/uL	98
5) Pyridine	3.516	79	372319	18.282	ng/u1	98
6) Benzaldehyde	6.669	77	264312	23.682	ng/u1	98
8) Phenol	6.751	94	414507	19.433	ng/u1	96
10) Bis(2-Chloroethyl)ether	6.951	93	335870	19.310	ng/u1	95
12) 2-Chlorophenol	7.087	128	329568	20.295	ng/u1	98
13) 2-Methylphenol	7.975	108	299607	20.044	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.028	45	515197	19.229	ng/u1	99
16) Acetophenone	8.322	105	491835	19.865	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.310	70	264769	20.390	ng/u1	95
18) 4-Methylphenol	8.298	108	330653	20.496	ng/u1	96
19) Hexachloroethane	8.563	117	141546	19.838	ng/u1	97
22) Nitrobenzene	8.692	77	362137	18.508	ng/u1	97
23) Isophorone	9.222	82	706439	20.191	ng/u1	99
25) 2-Nitrophenol	9.398	139	183542	20.687	ng/u1	98
26) 2,4-Dimethylphenol	9.480	107	313615	19.208	ng/u1	97
27) Bis(2-Chloroethoxy)met...	9.704	93	429669	19.607	ng/u1	97
29) 2,4-Dichlorophenol	9.939	162	330898	20.187	ng/u1	99
30) Naphthalene	10.316	128	991257	19.443	ng/u1	99
32) 4-Chloroaniline	10.439	127	397418	19.858	ng/u1	100
33) Hexachlorobutadiene	10.604	225	238401	19.402	ng/u1	99
34) Caprolactam	11.222	113	97789	21.627	ng/u1	93
35) 4-Chloro-3-methylphenol	11.598	107	311450	21.992	ng/u1	99
36) 2-Methylnaphthalene	11.939	142	697682	20.066	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.163	142	696342	20.315	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.321	216	442114	18.894	ng/ul	100
40) Hexachlorocyclopentadiene	12.298	237	196028	14.280	ng/ul	99
41) 2,4,6-Trichlorophenol	12.574	196	282971	20.506	ng/ul	98
42) 2,4,5-Trichlorophenol	12.663	196	296954	20.475	ng/ul	99
43) 1,1'-Biphenyl	12.974	154	924479	19.195	ng/ul	100
44) 2-Chloronaphthalene	13.010	162	744852	19.075	ng/ul	99
45) 2-Nitroaniline	13.233	65	204774	20.876	ng/ul	94
47) Dimethylphthalate	13.621	163	904544	19.564	ng/ul	100
48) 2,6-Dinitrotoluene	13.739	165	180242	21.676	ng/ul	97
50) Acenaphthylene	13.868	152	1106750	19.699	ng/ul	100
51) 3-Nitroaniline	14.074	138	187002	22.639	ng/ul	95
52) Acenaphthene	14.215	153	786485	19.607	ng/ul	99
53) 2,4-Dinitrophenol	14.286	184	84146	16.365	ng/ul	92
55) 4-Nitrophenol	14.433	109	102513	18.350	ng/ul	94
56) Dibenzofuran	14.557	168	1127209	19.709	ng/ul	98
57) 2,4-Dinitrotoluene	14.533	165	271267	21.815	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	14.792	232	252154	21.349	ng/ul	98
59) Diethylphthalate	14.998	149	903282	20.580	ng/ul	100
61) Fluorene	15.210	166	917053	19.843	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.210	204	495966	19.785	ng/ul	96
63) 4-Nitroaniline	15.245	138	195699m	25.657	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.304	198	155856	17.192	ng/ul	97
67) N-Nitrosodiphenylamine	15.427	169	771381	19.714	ng/ul	97
68) 4-Bromophenyl-phenylether	16.104	248	305187	20.362	ng/ul	96
69) Hexachlorobenzene	16.215	284	347080	20.054	ng/ul	98
70) Atrazine	16.398	200	309760	20.112	ng/ul	97
71) Pentachlorophenol	16.568	266	206382	18.938	ng/ul	99
72) Phenanthrene	16.951	178	1444346	19.548	ng/ul	99
74) Anthracene	17.039	178	1480695	19.896	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	12.933	216	438394	18.479	ng/uL	100
76) Pentachlorobenzene	14.474	250	432840	19.081	ng/uL	99
77) Carbazole	17.321	167	1322198	19.878	ng/ul	100
78) Di-n-butylphthalate	17.898	149	1588162	20.904	ng/ul	99
80) Fluoranthene	18.974	202	1734308	19.889	ng/ul	99
82) Pyrene	19.339	202	1842037	19.632	ng/ul	99
83) Butylbenzylphthalate	20.268	149	693272	21.940	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.062	252	538396	21.712	ng/ul	98
85) Benzo(a)anthracene	21.121	228	1805910	19.685	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.074	149	1056488	22.755	ng/ul	99
87) Chrysene	21.180	228	1684636	19.773	ng/ul	99
89) Di-n-octyl phthalate	22.133	149	1766605	21.021	ng/ul	100
90) Benzo(b)fluoranthene	23.050	252	1732114	19.450	ng/ul	100
91) Benzo(k)fluoranthene	23.109	252	1704583	18.943	ng/ul	99
93) Benzo(a)pyrene	23.791	252	1603266	19.192	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.009	276	2029838	19.604	ng/ul	99
95) Dibenzo(a,h)anthracene	27.062	278	1640376	19.551	ng/ul	99
96) Benzo(g,h,i)perylene	27.968	276	1550270	19.691	ng/ul	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

