

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
 Data File : BM049551.D
 Acq On : 31 Jan 2025 10:02
 Operator : RC/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD020088

Quant Time: Feb 03 07:42:59 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 02/03/2025
 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	221569	20.000	ng/u1	0.00
20) Naphthalene-d8	10.269	136	851508	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.157	164	560447	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.910	188	1151518	20.000	ng/u1	0.00
79) Chrysene-d12	21.145	240	1114255	20.000	ng/u1	0.01
88) Perylene-d12	23.933	264	1178976	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.110	96	42310	7.075	ng/uL	-0.01
4) Pyridine-d5	3.499	84	313865	17.864	ng/u1	-0.01
7) Phenol-d5	6.722	99	366684	20.394	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	6.857	67	233588	18.999	ng/u1	0.00
11) 2-Chlorophenol-d4	7.057	132	299387	21.518	ng/u1	0.00
15) 4-Methylphenol-d8	8.234	113	276562	20.994	ng/u1	0.00
21) Nitrobenzene-d5	8.651	128	136998	21.030	ng/u1	0.00
24) 2-Nitrophenol-d4	9.369	143	157012	22.097	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.916	165	306597	21.145	ng/u1	0.01
31) 4-Chloroaniline-d4	10.422	131	380648	20.465	ng/u1	0.00
46) Dimethylphthalate-d6	13.575	166	822407	20.013	ng/u1	0.00
49) Acenaphthylene-d8	13.839	160	977220	20.240	ng/u1	0.00
54) 4-Nitrophenol-d4	14.416	143	133382	19.787	ng/u1	0.04
60) Fluorene-d10	15.157	176	733060	20.286	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.292	200	105773	14.577	ng/u1	0.01
73) Anthracene-d10	17.010	188	1176043	20.452	ng/u1	0.00
81) Pyrene-d10	19.315	212	1329293	20.407	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.739	264	1262391	20.076	ng/u1	0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.140	88	44485	7.079	ng/uL	99
5) Pyridine	3.522	79	326010	18.093	ng/u1	93
6) Benzaldehyde	6.663	77	240478	24.353	ng/u1	97
8) Phenol	6.751	94	377200	19.987	ng/u1	96
10) Bis(2-Chloroethyl)ether	6.951	93	301353	19.582	ng/u1	94
12) 2-Chlorophenol	7.087	128	303106	21.096	ng/u1	98
13) 2-Methylphenol	7.975	108	276027	20.872	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.028	45	455209	19.202	ng/u1	99
16) Acetophenone	8.322	105	444458	20.289	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.310	70	232275	20.218	ng/u1	96
18) 4-Methylphenol	8.298	108	300161	21.029	ng/u1	97
19) Hexachloroethane	8.563	117	127366	20.176	ng/u1	97
22) Nitrobenzene	8.692	77	330408	18.989	ng/u1	96
23) Isophorone	9.222	82	624772	20.081	ng/u1	97
25) 2-Nitrophenol	9.398	139	169336	21.463	ng/u1	97
26) 2,4-Dimethylphenol	9.481	107	295395	20.346	ng/u1	98
27) Bis(2-Chloroethoxy)met...	9.704	93	385724	19.794	ng/u1	98
29) 2,4-Dichlorophenol	9.945	162	302705	20.767	ng/u1	98
30) Naphthalene	10.322	128	912080	20.118	ng/u1	99
32) 4-Chloroaniline	10.439	127	364283	20.469	ng/u1	99
33) Hexachlorobutadiene	10.610	225	215390	19.712	ng/u1	98
34) Caprolactam	11.222	113	91168m	22.674	ng/u1	
35) 4-Chloro-3-methylphenol	11.598	107	281505	22.353	ng/u1	99
36) 2-Methylnaphthalene	11.945	142	637381	20.614	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.163	142	628186	20.609	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.322	216	396316	19.184	ng/ul	100
40) Hexachlorocyclopentadiene	12.298	237	201644	16.638	ng/ul	98
41) 2,4,6-Trichlorophenol	12.580	196	258082	21.183	ng/ul	97
42) 2,4,5-Trichlorophenol	12.663	196	275061	21.481	ng/ul	97
43) 1,1'-Biphenyl	12.975	154	827822	19.468	ng/ul	98
44) 2-Chloronaphthalene	13.016	162	678885	19.692	ng/ul	99
45) 2-Nitroaniline	13.233	65	182575	21.082	ng/ul	95
47) Dimethylphthalate	13.622	163	801252	19.628	ng/ul	99
48) 2,6-Dinitrotoluene	13.739	165	162308	22.108	ng/ul	97
50) Acenaphthylene	13.869	152	996501	20.090	ng/ul	100
51) 3-Nitroaniline	14.074	138	171631	23.535	ng/ul	98
52) Acenaphthene	14.216	153	700296	19.775	ng/ul	99
53) 2,4-Dinitrophenol	14.286	184	84181	18.544	ng/ul	96
55) 4-Nitrophenol	14.433	109	93104	18.877	ng/ul	95
56) Dibenzofuran	14.557	168	1007456	19.952	ng/ul	99
57) 2,4-Dinitrotoluene	14.539	165	238819	21.753	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	14.798	232	226073	21.680	ng/ul	94
59) Diethylphthalate	15.004	149	792972	20.463	ng/ul	98
61) Fluorene	15.210	166	828604	20.307	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.210	204	444415	20.080	ng/ul	97
63) 4-Nitroaniline	15.245	138	175046m	25.993	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.304	198	115007	14.460	ng/ul	98
67) N-Nitrosodiphenylamine	15.427	169	690896	20.127	ng/ul	97
68) 4-Bromophenyl-phenylether	16.110	248	272259	20.706	ng/ul	98
69) Hexachlorobenzene	16.216	284	313467	20.645	ng/ul	99
70) Atrazine	16.398	200	272195	20.145	ng/ul	97
71) Pentachlorophenol	16.568	266	185609	19.414	ng/ul	98
72) Phenanthrene	16.951	178	1296573	20.003	ng/ul	99
74) Anthracene	17.039	178	1325602	20.303	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	12.939	216	394055	18.934	ng/ul	99
76) Pentachlorobenzene	14.480	250	388622	19.528	ng/ul	99
77) Carbazole	17.321	167	1168336	20.022	ng/ul	100
78) Di-n-butylphthalate	17.898	149	1413831	21.213	ng/ul	99
80) Fluoranthene	18.980	202	1524987	20.498	ng/ul	100
82) Pyrene	19.345	202	1621834	20.260	ng/ul	100
83) Butylbenzylphthalate	20.274	149	627147	23.263	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.068	252	483168	22.838	ng/ul	99
85) Benzo(a)anthracene	21.127	228	1562122	19.958	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.074	149	916577	23.139	ng/ul	99
87) Chrysene	21.186	228	1450787	19.959	ng/ul	99
89) Di-n-octyl phthalate	22.139	149	1575112	21.840	ng/ul	100
90) Benzo(b)fluoranthene	23.056	252	1505653	19.702	ng/ul	100
91) Benzo(k)fluoranthene	23.115	252	1493477	19.340	ng/ul	99
93) Benzo(a)pyrene	23.797	252	1399537	19.523	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	27.021	276	1803602	20.298	ng/ul	99
95) Dibenzo(a,h)anthracene	27.074	278	1447509	20.104	ng/ul	99
96) Benzo(g,h,i)perylene	27.979	276	1384768	20.497	ng/ul	99

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

