

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061424\
 Data File : BM046040.D
 Acq On : 14 Jun 2024 15:41
 Operator : MA/JU
 Sample : PB161357BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS357

Quant Time: Jun 14 16:19:16 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM053124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 11 16:01:34 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 06/17/2024
 Supervised By :mohammad ahmed 06/18/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.428	152	121180	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.192	136	507767	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.074	164	317505	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.827	188	640302	20.000	ng/u1	0.00
79) Chrysene-d12	21.039	240	586719	20.000	ng/u1	0.00
88) Perylene-d12	23.744	264	687304	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.034	96	16096	5.150	ng/uL	0.00
4) Pyridine-d5	3.440	84	233439	29.007	ng/u1	-0.01
7) Phenol-d5	6.687	99	318640	30.952	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.792	67	219421	29.683	ng/u1	-0.01
11) 2-Chlorophenol-d4	6.992	132	247927	32.241	ng/u1	0.00
15) 4-Methylphenol-d8	8.198	113	244310	31.412	ng/u1	-0.01
21) Nitrobenzene-d5	8.592	128	123798	31.183	ng/u1	0.00
24) 2-Nitrophenol-d4	9.304	143	133076	33.120	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.851	165	249074	33.057	ng/u1	-0.01
31) 4-Chloroaniline-d4	10.375	131	329452	31.593	ng/u1	-0.01
46) Dimethylphthalate-d6	13.521	166	699888	31.841	ng/u1	-0.01
49) Acenaphthylene-d8	13.763	160	812502	31.832	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.380	143	168041	35.423	ng/u1	0.00
60) Fluorene-d10	15.074	176	591006	31.517	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.227	200	103715	31.720	ng/u1	0.00
73) Anthracene-d10	16.921	188	900853	32.363	ng/u1	0.00
81) Pyrene-d10	19.227	212	1026423	28.131	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.562	264	1054772	32.836	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.063	88	37923	10.962	ng/uL#	78
5) Pyridine	3.457	79	248220	30.033	ng/u1	92
6) Benzaldehyde	6.604	77	208077	42.973	ng/u1	94
8) Phenol	6.710	94	340337	31.878	ng/u1	92
10) Bis(2-Chloroethyl)ether	6.887	93	253942	28.496	ng/u1	95
12) 2-Chlorophenol	7.022	128	255492	31.538	ng/u1	96
13) 2-Methylphenol	7.928	108	241909	30.943	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	7.969	45	576976	32.872	ng/u1	100
16) Acetophenone	8.263	105	411691	31.761	ng/u1#	90
17) N-Nitroso-di-n-propyla...	8.257	70	236293	32.989	ng/u1	87
18) 4-Methylphenol	8.257	108	266223	32.910	ng/u1	98
19) Hexachloroethane	8.492	117	115406	29.660	ng/u1	97
22) Nitrobenzene	8.633	77	356166	32.056	ng/u1	98
23) Isophorone	9.163	82	639122	32.554	ng/u1	99
25) 2-Nitrophenol	9.333	139	144804	32.969	ng/u1	95
26) 2,4-Dimethylphenol	9.433	107	249041	27.949	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.639	93	341367	28.640	ng/u1	100
29) 2,4-Dichlorophenol	9.875	162	253209	33.730	ng/u1	97
30) Naphthalene	10.239	128	809758	29.906	ng/u1	99
32) 4-Chloroaniline	10.398	127	288558	28.308	ng/u1	96
33) Hexachlorobutadiene	10.533	225	155488	30.236	ng/u1	99
34) Caprolactam	11.222	113	79884m	37.783	ng/u1	
35) 4-Chloro-3-methylphenol	11.557	107	275954	33.883	ng/u1	96
36) 2-Methylnaphthalene	11.863	142	545281	30.408	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.086	142	552021	30.790	ng/ul#	100
39) 1,2,4,5-Tetrachloroben...	12.239	216	294805	31.002	ng/ul	98
40) Hexachlorocyclopentadiene	12.227	237	98647	17.093	ng/ul	97
41) 2,4,6-Trichlorophenol	12.516	196	188849	34.135	ng/ul	99
42) 2,4,5-Trichlorophenol	12.604	196	212085	35.327	ng/ul	98
43) 1,1'-Biphenyl	12.904	154	708931	30.095	ng/ul	99
44) 2-Chloronaphthalene	12.939	162	556042	30.122	ng/ul	99
45) 2-Nitroaniline	13.186	65	242401	38.455	ng/ul	93
47) Dimethylphthalate	13.568	163	699387	31.336	ng/ul	99
48) 2,6-Dinitrotoluene	13.680	165	143075	33.322	ng/ul	92
50) Acenaphthylene	13.792	152	908973	30.769	ng/ul	100
51) 3-Nitroaniline	14.027	138	154547	39.198	ng/ul	98
52) Acenaphthene	14.139	153	601169	30.495	ng/ul	98
53) 2,4-Dinitrophenol	14.227	184	71579	36.613	ng/ul	92
55) 4-Nitrophenol	14.392	109	159410	40.730	ng/ul	94
56) Dibenzofuran	14.480	168	850728	32.001	ng/ul	97
57) 2,4-Dinitrotoluene	14.480	165	217285	36.578	ng/ul#	73
58) 2,3,4,6-Tetrachlorophenol	14.733	232	171091	37.717	ng/ul	99
59) Diethylphthalate	14.939	149	731608	32.736	ng/ul	100
61) Fluorene	15.133	166	697957	32.584	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.139	204	334295	31.443	ng/ul	98
63) 4-Nitroaniline	15.210	138	157929	48.239	ng/ul	94
66) 4,6-Dinitro-2-methylph...	15.239	198	113387	31.596	ng/ul	93
67) N-Nitrosodiphenylamine	15.357	169	581132	32.027	ng/ul	99
68) 4-Bromophenyl-phenylether	16.027	248	202977	30.405	ng/ul	98
69) Hexachlorobenzene	16.133	284	228361	30.932	ng/ul	95
70) Atrazine	16.333	200	159892	29.070	ng/ul	98
71) Pentachlorophenol	16.504	266	139569	37.258	ng/ul	99
72) Phenanthrene	16.868	178	1067365	31.637	ng/ul	99
74) Anthracene	16.956	178	1064966	31.602	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	12.863	216	289161	29.119	ng/ul	99
76) Pentachlorobenzene	14.398	250	289647	31.185	ng/ul	99
77) Carbazole	17.251	167	989348	34.407	ng/ul	98
78) Di-n-butylphthalate	17.815	149	1254504	33.175	ng/ul	99
80) Fluoranthene	18.892	202	1229170	27.788	ng/ul	99
82) Pyrene	19.256	202	1310370	28.833	ng/ul	98
83) Butylbenzylphthalate	20.180	149	578440	31.230	ng/ul	91
84) 3,3'-Dichlorobenzidine	20.974	252	405071	34.953	ng/ul	100
85) Benzo(a)anthracene	21.021	228	1250939	30.878	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	20.974	149	843346	30.646	ng/ul	100
87) Chrysene	21.080	228	1181610	31.529	ng/ul	99
89) Di-n-octyl phthalate	21.991	149	1475645	28.073	ng/ul	100
90) Benzo(b)fluoranthene	22.897	252	1284242	30.405	ng/ul	99
91) Benzo(k)fluoranthene	22.956	252	1271349	30.817	ng/ul	98
93) Benzo(a)pyrene	23.621	252	1100610	29.653	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.738	276	1528922	37.721	ng/ul	99
95) Dibenzo(a,h)anthracene	26.773	278	1226897	38.271	ng/ul	100
96) Benzo(g,h,i)perylene	27.668	276	1188688	33.297	ng/ul	98

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

