

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080624\  
 Data File : BM047065.D  
 Acq On : 07 Aug 2024 20:08  
 Operator : RC/JU  
 Sample : PB162513BS  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLC513

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 08/08/2024  
 Supervised By :mohammad ahmed 08/30/2024

Quant Time: Aug 08 00:48:36 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM080224.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 07 04:48:25 2024  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue
<b>Internal Standards</b>							
1) 1,4-Dichlorobenzene-d4	7.393	152	260681	20.000	ng/u1	0.00	
20) Naphthalene-d8	10.151	136	1047927	20.000	ng/u1	0.00	
38) Acenaphthene-d10	14.051	164	690236	20.000	ng/u1	0.00	
64) Phenanthrene-d10	16.810	188	1449676	20.000	ng/u1	0.00	
79) Chrysene-d12	21.045	240	1208410	20.000	ng/u1	0.00	
88) Perylene-d12	23.750	264	1387246	20.000	ng/u1	-0.01	
<b>System Monitoring Compounds</b>							
3) 1,4-Dioxane-d8	3.016	96	37029	5.628	ng/uL	0.00	
4) Pyridine-d5	3.405	84	460498	25.657	ng/u1	0.00	
7) Phenol-d5	6.599	99	607176	30.662	ng/u1	0.00	
9) Bis-(2-Chloroethyl)eth...	6.751	67	374400	28.734	ng/u1	0.00	
11) 2-Chlorophenol-d4	6.940	132	480730	28.659	ng/u1	0.00	
15) 4-Methylphenol-d8	8.116	113	473517	30.185	ng/u1	0.00	
21) Nitrobenzene-d5	8.540	128	240718	28.626	ng/u1	0.00	
24) 2-Nitrophenol-d4	9.251	143	267514	29.131	ng/u1	0.00	
28) 2,4-Dichlorophenol-d3	9.787	165	512210	29.052	ng/u1	0.00	
31) 4-Chloroaniline-d4	10.298	131	615270	26.553	ng/u1	0.00	
46) Dimethylphthalate-d6	13.475	166	1473548	27.921	ng/u1	0.00	
49) Acenaphthylene-d8	13.733	160	1706228	28.963	ng/u1	0.00	
54) 4-Nitrophenol-d4	14.298	143	294652	28.875	ng/u1	0.00	
60) Fluorene-d10	15.051	176	1268334	28.094	ng/u1	0.00	
65) 4,6-Dinitro-2-methylph...	15.198	200	237807	25.964	ng/u1	0.00	
73) Anthracene-d10	16.910	188	1950241	28.378	ng/u1	0.00	
81) Pyrene-d10	19.221	212	2187266	31.619	ng/u1	0.00	
92) Benzo(a)pyrene-d12	23.568	264	2142200	29.326	ng/u1	0.00	
<b>Target Compounds</b>							
2) 1,4-Dioxane	3.052	88	65953	9.008	ng/uL	96	
5) Pyridine	3.422	79	470636	26.487	ng/u1	92	
6) Benzaldehyde	6.551	77	316676	27.841	ng/u1	100	
8) Phenol	6.628	94	613377	30.757	ng/u1	91	
10) Bis(2-Chloroethyl)ether	6.840	93	502735	29.576	ng/u1	97	
12) 2-Chlorophenol	6.969	128	502402	29.563	ng/u1	97	
13) 2-Methylphenol	7.851	108	467539	30.776	ng/u1	94	
14) 2,2'-oxybis(1-Chloropr...	7.916	45	648370	31.831	ng/u1	98	
16) Acetophenone	8.210	105	713762	28.908	ng/u1	99	
17) N-Nitroso-di-n-propyla...	8.204	70	371209	28.510	ng/u1	95	
18) 4-Methylphenol	8.181	108	503532	30.677	ng/u1	97	
19) Hexachloroethane	8.445	117	220319	26.614	ng/u1	89	
22) Nitrobenzene	8.581	77	606010	26.974	ng/u1	93	
23) Isophorone	9.110	82	1095639	28.501	ng/u1	99	
25) 2-Nitrophenol	9.281	139	291017	28.969	ng/u1#	91	
26) 2,4-Dimethylphenol	9.363	107	441896	22.317	ng/u1	94	
27) Bis(2-Chloroethoxy)met...	9.592	93	674681	28.470	ng/u1	99	
29) 2,4-Dichlorophenol	9.816	162	504276	28.677	ng/u1	96	
30) Naphthalene	10.198	128	1547333	27.888	ng/u1	100	
32) 4-Chloroaniline	10.322	127	579026	25.732	ng/u1	99	
33) Hexachlorobutadiene	10.487	225	309353	24.384	ng/u1	98	
34) Caprolactam	11.110	113	167535m	31.461	ng/u1		
35) 4-Chloro-3-methylphenol	11.469	107	522599	28.821	ng/u1	99	
36) 2-Methylnaphthalene	11.828	142	1094998	28.264	ng/u1	99	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.051	142	1092434	27.855	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.204	216	591656	27.332	ng/ul	99
40) Hexachlorocyclopentadiene	12.181	237	246512	17.287	ng/ul	97
41) 2,4,6-Trichlorophenol	12.463	196	371577	26.225	ng/ul	99
42) 2,4,5-Trichlorophenol	12.539	196	414205	27.076	ng/ul	98
43) 1,1'-Biphenyl	12.869	154	1445084	27.985	ng/ul	98
44) 2-Chloronaphthalene	12.904	162	1165265	28.416	ng/ul	98
45) 2-Nitroaniline	13.128	65	365188	29.305	ng/ul	96
47) Dimethylphthalate	13.528	163	1498190	28.290	ng/ul	99
48) 2,6-Dinitrotoluene	13.645	165	316026	30.697	ng/ul#	83
50) Acenaphthylene	13.763	152	1846421	29.677	ng/ul	99
51) 3-Nitroaniline	13.975	138	330514	31.524	ng/ul	95
52) Acenaphthene	14.110	153	1235386	27.543	ng/ul	99
53) 2,4-Dinitrophenol	14.186	184	157387	21.667	ng/ul	90
55) 4-Nitrophenol	14.310	109	238613	23.104	ng/ul#	79
56) Dibenzofuran	14.457	168	1729004	27.466	ng/ul	94
57) 2,4-Dinitrotoluene	14.439	165	460513	29.272	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	14.692	232	306668	22.550	ng/ul#	93
59) Diethylphthalate	14.910	149	1544516	27.111	ng/ul	98
61) Fluorene	15.110	166	1430173	27.545	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.116	204	676296	26.459	ng/ul	94
63) 4-Nitroaniline	15.145	138	351828m	33.957	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.210	198	263011	26.244	ng/ul	93
67) N-Nitrosodiphenylamine	15.333	169	1244758	28.969	ng/ul	98
68) 4-Bromophenyl-phenylether	16.010	248	453539	28.904	ng/ul	93
69) Hexachlorobenzene	16.116	284	532277	28.809	ng/ul	98
70) Atrazine	16.304	200	47511	2.818	ng/ul	96
71) Pentachlorophenol	16.468	266	263832	21.091	ng/ul	98
72) Phenanthrene	16.851	178	2342046	28.820	ng/ul	100
74) Anthracene	16.945	178	2304438	28.119	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	12.828	216	598501	28.694	ng/uL	97
76) Pentachlorobenzene	14.375	250	578173	26.780	ng/uL	99
77) Carbazole	17.221	167	2217472	29.187	ng/ul	99
78) Di-n-butylphthalate	17.810	149	2720560	28.160	ng/ul	98
80) Fluoranthene	18.880	202	2692056	32.564	ng/ul	98
82) Pyrene	19.251	202	2776659	31.521	ng/ul	98
83) Butylbenzylphthalate	20.186	149	1234829	32.072	ng/ul	100
84) 3,3'-Dichlorobenzidine	20.968	252	876137	29.575	ng/ul	98
85) Benzo(a)anthracene	21.027	228	2640451	29.918	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	20.986	149	1729639	30.773	ng/ul	98
87) Chrysene	21.080	228	2442513	29.018	ng/ul	100
89) Di-n-octyl phthalate	22.021	149	3062374	31.291	ng/ul	100
90) Benzo(b)fluoranthene	22.903	252	2661106	31.011	ng/ul	99
91) Benzo(k)fluoranthene	22.962	252	2556312	30.146	ng/ul	99
93) Benzo(a)pyrene	23.627	252	2332363	29.175	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.756	276	3011700	29.404	ng/ul	99
95) Dibenzo(a,h)anthracene	26.803	278	2439186	29.648	ng/ul	98
96) Benzo(g,h,i)perylene	27.685	276	2383479	29.452	ng/ul	98

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

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