

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM010224\  
 Data File : BM043751.D  
 Acq On : 04 Jan 2024 01:56  
 Operator : MA/JU  
 Sample : PB158128BS  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS128

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 01/04/2024  
 Supervised By :mohammad ahmed 01/05/2024

Quant Time: Jan 04 02:31:11 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM121523.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 29 22:31:57 2023  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.957	152	275526	20.000	ng/ul	0.00	
20) Naphthalene-d8	10.769	136	1135157	20.000	ng/ul	0.00	
38) Acenaphthene-d10	14.598	164	655927	20.000	ng/ul	0.00	
64) Phenanthrene-d10	17.351	188	1332906	20.000	ng/ul	0.01	
79) Chrysene-d12	21.533	240	1200963	20.000	ng/ul	0.01	
88) Perylene-d12	23.950	264	1308840	20.000	ng/ul	0.02	
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.369	96	47021	5.547	ng/uL	0.00	
4) Pyridine-d5	3.799	84	664950	27.253	ng/ul	0.01	
7) Phenol-d5	7.140	99	842403	26.877	ng/ul	0.02	
9) Bis-(2-Chloroethyl)eth...	7.298	67	496487	25.012	ng/ul	0.00	
11) 2-Chlorophenol-d4	7.492	132	663851	27.740	ng/ul	0.00	
15) 4-Methylphenol-d8	8.687	113	639260	26.283	ng/ul	0.02	
21) Nitrobenzene-d5	9.134	128	322442	29.359	ng/ul	0.00	
24) 2-Nitrophenol-d4	9.857	143	366556	32.302	ng/ul	0.00	
28) 2,4-Dichlorophenol-d3	10.398	165	647301	32.313	ng/ul	0.02	
31) 4-Chloroaniline-d4	10.922	131	845195	28.679	ng/ul	0.01	
46) Dimethylphthalate-d6	14.021	166	1722447	29.171	ng/ul	0.00	
49) Acenaphthylene-d8	14.298	160	2139869	30.550	ng/ul	0.01	
54) 4-Nitrophenol-d4	14.839	143	326804	29.242	ng/ul	0.05	
60) Fluorene-d10	15.592	176	1522418	31.180	ng/ul	0.00	
65) 4,6-Dinitro-2-methylph...	15.727	200	224089	25.420	ng/ul	0.02	
73) Anthracene-d10	17.451	188	2284003	30.554	ng/ul	0.01	
81) Pyrene-d10	19.739	212	2553238	26.929	ng/ul	0.01	
92) Benzo(a)pyrene-d12	23.797	264	2527677	31.295	ng/ul	0.02	
Target Compounds							
2) 1,4-Dioxane	3.405	88	96594	10.313	ng/uL	96	
5) Pyridine	3.816	79	715544	28.358	ng/ul	99	
6) Benzaldehyde	7.110	77	448394	30.171	ng/ul	96	
8) Phenol	7.169	94	854246	27.703	ng/ul	98	
10) Bis(2-Chloroethyl)ether	7.393	93	668136	26.690	ng/ul	96	
12) 2-Chlorophenol	7.522	128	712302	29.219	ng/ul	97	
13) 2-Methylphenol	8.416	108	648797	27.709	ng/ul	100	
14) 2,2'-oxybis(1-Chloropr...	8.487	45	1081089	25.717	ng/ul	99	
16) Acetophenone	8.798	105	973804	26.151	ng/ul	98	
17) N-Nitroso-di-n-propyla...	8.781	70	523657	23.561	ng/ul	98	
18) 4-Methylphenol	8.751	108	696683	27.454	ng/ul	98	
19) Hexachloroethane	9.028	117	273535	26.610	ng/ul	88	
22) Nitrobenzene	9.181	77	778898	28.656	ng/ul	98	
23) Isophorone	9.704	82	1464020	26.553	ng/ul	100	
25) 2-Nitrophenol	9.886	139	383487	31.797	ng/ul	97	
26) 2,4-Dimethylphenol	9.951	107	652291	30.361	ng/ul	99	
27) Bis(2-Chloroethoxy)met...	10.186	93	875459	26.891	ng/ul	100	
29) 2,4-Dichlorophenol	10.428	162	637865	32.811	ng/ul	96	
30) Naphthalene	10.822	128	2181758	30.157	ng/ul	100	
32) 4-Chloroaniline	10.945	127	791214	27.919	ng/ul	100	
33) Hexachlorobutadiene	11.080	225	352925	35.606	ng/ul	99	
34) Caprolactam	11.751	113	216719	34.884	ng/ul	96	
35) 4-Chloro-3-methylphenol	12.075	107	681477	29.844	ng/ul	98	
36) 2-Methylnaphthalene	12.427	142	1460418	29.655	ng/ul	99	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.645	142	1442247	29.036	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.792	216	668770	33.463	ng/ul#	95
40) Hexachlorocyclopentadiene	12.751	237	142737	11.383	ng/ul	95
41) 2,4,6-Trichlorophenol	13.045	196	483425	34.030	ng/ul	99
42) 2,4,5-Trichlorophenol	13.122	196	516976	34.274	ng/ul	98
43) 1,1'-Biphenyl	13.439	154	1837897	29.394	ng/ul	98
44) 2-Chloronaphthalene	13.480	162	1475415	30.778	ng/ul	98
45) 2-Nitroaniline	13.698	65	472176	29.373	ng/ul	99
47) Dimethylphthalate	14.069	163	1762242	30.221	ng/ul	100
48) 2,6-Dinitrotoluene	14.198	165	371193	32.925	ng/ul	93
50) Acenaphthylene	14.327	152	2496181	31.033	ng/ul	100
51) 3-Nitroaniline	14.527	138	424131	32.771	ng/ul	94
52) Acenaphthene	14.663	153	1627315	30.696	ng/ul	100
53) 2,4-Dinitrophenol	14.739	184	136456	22.737	ng/ul	95
55) 4-Nitrophenol	14.851	109	249383	28.738	ng/ul	95
56) Dibenzofuran	14.998	168	2155584	31.484	ng/ul	97
57) 2,4-Dinitrotoluene	14.986	165	540093	33.909	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	15.227	232	418538	36.216	ng/ul	93
59) Diethylphthalate	15.427	149	1823315	30.512	ng/ul	99
61) Fluorene	15.651	166	1845886	31.558	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.645	204	825031	32.067	ng/ul	94
63) 4-Nitroaniline	15.692	138	454704m	38.384	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.745	198	238245	25.314	ng/ul	90
67) N-Nitrosodiphenylamine	15.863	169	1498447	29.268	ng/ul	99
68) 4-Bromophenyl-phenylether	16.539	248	501820	31.778	ng/ul	95
69) Hexachlorobenzene	16.645	284	604021	33.387	ng/ul	93
70) Atrazine	16.821	200	456170	40.649	ng/ul	99
71) Pentachlorophenol	16.998	266	349956	31.997	ng/ul	98
72) Phenanthrene	17.392	178	2814570	31.156	ng/ul	100
74) Anthracene	17.486	178	2869200	31.470	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.398	216	670122	30.614	ng/uL	100
76) Pentachlorobenzene	14.910	250	660799	31.002	ng/uL	98
77) Carbazole	17.762	167	2677905	34.414	ng/ul	99
78) Di-n-butylphthalate	18.321	149	3315922	32.596	ng/ul	99
80) Fluoranthene	19.403	202	3145600	26.790	ng/ul	96
82) Pyrene	19.768	202	3323145	27.530	ng/ul	95
83) Butylbenzylphthalate	20.668	149	1547888	29.660	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.450	252	924441	31.254	ng/ul	97
85) Benzo(a)anthracene	21.515	228	3147363	31.341	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.445	149	2300715	30.966	ng/ul	99
87) Chrysene	21.568	228	2858817	31.644	ng/ul	99
89) Di-n-octyl phthalate	22.386	149	3950862	31.555	ng/ul	100
90) Benzo(b)fluoranthene	23.215	252	3057242	30.481	ng/ul	98
91) Benzo(k)fluoranthene	23.262	252	3139278	32.091	ng/ul	98
93) Benzo(a)pyrene	23.844	252	2912208	31.824	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.491	276	3681507	33.693	ng/ul	98
95) Dibenzo(a,h)anthracene	26.503	278	3074180	33.977	ng/ul	97
96) Benzo(g,h,i)perylene	27.256	276	2866275	33.464	ng/ul	95

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

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