

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM022424\
 Data File : BM044301.D
 Acq On : 24 Feb 2024 18:42
 Operator : MA/JU
 Sample : PB159150BS
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS150

Quant Time: Feb 26 00:48:09 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM022324.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Feb 25 22:57:38 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/26/2024
 Supervised By :mohammad ahmed 02/26/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	222710	20.000	ng/u1	0.00
20) Naphthalene-d8	10.722	136	981290	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.563	164	573365	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.315	188	1182027	20.000	ng/u1	0.00
79) Chrysene-d12	21.521	240	1014539	20.000	ng/u1	0.00
88) Perylene-d12	23.927	264	1112039	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.357	96	44475	6.301	ng/uL	0.00
4) Pyridine-d5	3.769	84	618421	32.080	ng/u1	0.00
7) Phenol-d5	7.087	99	728632	34.152	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.263	67	457944	33.147	ng/u1	0.00
11) 2-Chlorophenol-d4	7.445	132	570084	35.478	ng/u1	0.00
15) 4-Methylphenol-d8	8.634	113	557187	34.516	ng/u1	0.00
21) Nitrobenzene-d5	9.092	128	278224	34.871	ng/u1	0.00
24) 2-Nitrophenol-d4	9.810	143	305059	37.476	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.345	165	531541	37.017	ng/u1	0.00
31) 4-Chloroaniline-d4	10.869	131	763947	31.678	ng/u1	0.00
46) Dimethylphthalate-d6	13.986	166	1572638	35.564	ng/u1	0.00
49) Acenaphthylene-d8	14.257	160	1842350	36.211	ng/u1	0.00
54) 4-Nitrophenol-d4	14.774	143	323491	36.763	ng/u1	0.01
60) Fluorene-d10	15.562	176	1343776	35.903	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.686	200	267050	36.411	ng/u1	0.00
73) Anthracene-d10	17.415	188	2002908	35.537	ng/u1	0.00
81) Pyrene-d10	19.715	212	2280845	37.369	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.774	264	2144558	37.636	ng/u1	0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.387	88	91417	12.287	ng/uL#	93
5) Pyridine	3.787	79	660809	32.766	ng/u1	98
6) Benzaldehyde	7.069	77	360807	38.960	ng/u1	98
8) Phenol	7.110	94	773701	34.888	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.357	93	631926	34.043	ng/u1	99
12) 2-Chlorophenol	7.481	128	601329	36.172	ng/u1	96
13) 2-Methylphenol	8.369	108	570722	34.931	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.451	45	850385	33.507	ng/u1	99
16) Acetophenone	8.751	105	918559	35.616	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.745	70	484435	37.496	ng/u1	98
18) 4-Methylphenol	8.698	108	620496	35.652	ng/u1	98
19) Hexachloroethane	8.992	117	245266	34.778	ng/u1	93
22) Nitrobenzene	9.133	77	667566	34.596	ng/u1	98
23) Isophorone	9.663	82	1360939	36.392	ng/u1	99
25) 2-Nitrophenol	9.845	139	337012	37.329	ng/u1	94
26) 2,4-Dimethylphenol	9.904	107	528143	30.637	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.151	93	860666	35.402	ng/u1	99
29) 2,4-Dichlorophenol	10.375	162	538282	37.040	ng/u1	99
30) Naphthalene	10.775	128	1934929	34.671	ng/u1	100
32) 4-Chloroaniline	10.898	127	653622	27.813	ng/u1	100
33) Hexachlorobutadiene	11.051	225	302438	34.544	ng/u1	99
34) Caprolactam	11.680	113	188416m	37.507	ng/u1	
35) 4-Chloro-3-methylphenol	12.022	107	608504	39.302	ng/u1	98
36) 2-Methylnaphthalene	12.386	142	1277985	35.951	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.604	142	1253638	35.675	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.751	216	590825	34.809	ng/ul	99
40) Hexachlorocyclopentadiene	12.722	237	335034	29.338	ng/ul	98
41) 2,4,6-Trichlorophenol	12.998	196	401647	37.124	ng/ul	100
42) 2,4,5-Trichlorophenol	13.069	196	441409	37.741	ng/ul	99
43) 1,1'-Biphenyl	13.404	154	1632199	34.967	ng/ul	99
44) 2-Chloronaphthalene	13.439	162	1285754	35.178	ng/ul	100
45) 2-Nitroaniline	13.657	65	396697	39.202	ng/ul	99
47) Dimethylphthalate	14.039	163	1650317	36.515	ng/ul	100
48) 2,6-Dinitrotoluene	14.157	165	331511	39.222	ng/ul	99
50) Acenaphthylene	14.286	152	2165258	35.930	ng/ul	99
51) 3-Nitroaniline	14.486	138	356408	39.971	ng/ul	93
52) Acenaphthene	14.627	153	1409338	35.425	ng/ul	99
53) 2,4-Dinitrophenol	14.692	184	191063	36.429	ng/ul	95
55) 4-Nitrophenol	14.786	109	221611	36.661	ng/ul	97
56) Dibenzofuran	14.963	168	1897368	35.527	ng/ul	100
57) 2,4-Dinitrotoluene	14.939	165	486306	40.050	ng/ul	100
58) 2,3,4,6-Tetrachlorophenol	15.186	232	343258	36.469	ng/ul	97
59) Diethylphthalate	15.404	149	1736518	37.327	ng/ul	99
61) Fluorene	15.615	166	1545729	36.036	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.615	204	734120	36.315	ng/ul	99
63) 4-Nitroaniline	15.651	138	385993	44.757	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.698	198	290410	36.197	ng/ul	97
67) N-Nitrosodiphenylamine	15.833	169	1328285	37.082	ng/ul	100
68) 4-Bromophenyl-phenylether	16.509	248	437129	37.221	ng/ul	99
69) Hexachlorobenzene	16.609	284	485593	36.125	ng/ul	99
70) Atrazine	16.792	200	293585	25.020	ng/ul	98
71) Pentachlorophenol	16.957	266	297457	33.579	ng/ul	98
72) Phenanthrene	17.356	178	2427310	35.796	ng/ul	100
74) Anthracene	17.451	178	2443980	35.797	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.357	216	593129	35.847	ng/ul	99
76) Pentachlorobenzene	14.874	250	563352	35.665	ng/ul	98
77) Carbazole	17.727	167	2340392	36.457	ng/ul	99
78) Di-n-butylphthalate	18.303	149	3219990	39.615	ng/ul	100
80) Fluoranthene	19.380	202	2761528	37.725	ng/ul	99
82) Pyrene	19.745	202	2865541	37.327	ng/ul	99
83) Butylbenzylphthalate	20.662	149	1452240	42.117	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.444	252	843727	37.180	ng/ul	98
85) Benzo(a)anthracene	21.503	228	2834479	37.461	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.450	149	2235532	42.346	ng/ul	100
87) Chrysene	21.556	228	2615065	36.767	ng/ul	99
89) Di-n-octyl phthalate	22.391	149	3922052	41.164	ng/ul	100
90) Benzo(b)fluoranthene	23.197	252	2792952	39.177	ng/ul	99
91) Benzo(k)fluoranthene	23.244	252	2743422	37.467	ng/ul	99
93) Benzo(a)pyrene	23.827	252	2621677	38.142	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.438	276	3102902	37.330	ng/ul	99
95) Dibenzo(a,h)anthracene	26.468	278	2627268	37.824	ng/ul	99
96) Benzo(g,h,i)perylene	27.209	276	2475875	36.823	ng/ul	98

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

