

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042122\  
 Data File : BM034752.D  
 Acq On : 21 Apr 2022 18:06  
 Operator : CG/JU  
 Sample : PB144244BS  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS244

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 04/22/2022  
 Supervised By :mohammad ahmed 04/26/2022

Quant Time: Apr 22 01:36:29 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM042122.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Apr 21 05:03:15 2022  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.945	152	179496	20.000	ng/ul	0.00
20) Naphthalene-d8	10.751	136	697195	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.574	164	428503	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.315	188	760312	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.491	240	823427	20.000	ng/ul	# 0.00
88) Perylene-d12	23.891	264	831123	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.381	96	32454	7.945	ng/uL	0.00
4) Pyridine-d5	3.793	84	406438	40.083	ng/ul	0.00
7) Phenol-d5	7.104	99	518894	38.274	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.275	67	320603	42.168	ng/ul	0.00
11) 2-Chlorophenol-d4	7.475	132	464217	40.458	ng/ul	0.00
15) 4-Methylphenol-d8	8.651	113	431618	39.791	ng/ul	0.00
21) Nitrobenzene-d5	9.104	128	217891	42.783	ng/ul	0.00
24) 2-Nitrophenol-d4	9.828	143	229870	43.471	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.369	165	436381	39.177	ng/ul	0.00
31) 4-Chloroaniline-d4	10.880	131	554473	36.815	ng/ul	0.00
46) Dimethylphthalate-d6	13.992	166	1235510	39.606	ng/ul	0.00
49) Acenaphthylene-d8	14.268	160	1532157	38.191	ng/ul	0.00
54) 4-Nitrophenol-d4	14.762	143	225087	42.983	ng/ul	0.00
60) Fluorene-d10	15.568	176	957854	35.486	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.680	200	186170	42.680	ng/ul	0.00
73) Anthracene-d10	17.415	188	1459103	39.411	ng/ul	0.00
81) Pyrene-d10	19.703	212	1740378	38.835	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.738	264	1792403	42.641	ng/ul	0.00
Target Compounds						
2) 1,4-Dioxane	3.416	88	62255	15.594	ng/uL	95
5) Pyridine	3.810	79	435852	40.977	ng/ul	99
6) Benzaldehyde	7.081	77	332051	46.350	ng/ul	95
8) Phenol	7.134	94	552360	41.402	ng/ul	99
10) Bis(2-Chloroethyl)ether	7.369	93	429158	41.677	ng/ul	99
12) 2-Chlorophenol	7.510	128	480187	41.346	ng/ul	98
13) 2-Methylphenol	8.386	108	421155	41.635	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.481	45	623295	44.985	ng/ul	99
16) Acetophenone	8.769	105	673060	40.500	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.763	70	334442	41.954	ng/ul	100
18) 4-Methylphenol	8.716	108	451006	41.213	ng/ul	100
19) Hexachloroethane	9.033	117	200280	41.160	ng/ul	98
22) Nitrobenzene	9.145	77	500408	43.522	ng/ul	98
23) Isophorone	9.680	82	897025	42.550	ng/ul	100
25) 2-Nitrophenol	9.857	139	255785	44.053	ng/ul	99
26) 2,4-Dimethylphenol	9.922	107	483350	39.554	ng/ul	98
27) Bis(2-Chloroethoxy)met...	10.163	93	559942	42.372	ng/ul	99
29) 2,4-Dichlorophenol	10.392	162	439923	40.489	ng/ul	98
30) Naphthalene	10.804	128	1442831	40.499	ng/ul	99
32) 4-Chloroaniline	10.904	127	560904	37.517	ng/ul	99
33) Hexachlorobutadiene	11.098	225	289705	36.902	ng/ul	98
34) Caprolactam	11.669	113	117062m	43.216	ng/ul	
35) 4-Chloro-3-methylphenol	12.027	107	435882	42.339	ng/ul	98
36) 2-Methylnaphthalene	12.410	142	997077	40.383	ng/ul	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.627	142	1010784	40.682	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.780	216	520509	38.149	ng/ul	96
40) Hexachlorocyclopentadiene	12.763	237	321264	32.524	ng/ul	99
41) 2,4,6-Trichlorophenol	13.016	196	332769	40.548	ng/ul	97
42) 2,4,5-Trichlorophenol	13.080	196	363939	41.450	ng/ul	99
43) 1,1'-Biphenyl	13.416	154	1342555	40.535	ng/ul	100
44) 2-Chloronaphthalene	13.457	162	1031832	40.002	ng/ul	99
45) 2-Nitroaniline	13.651	65	269666	48.490	ng/ul	98
47) Dimethylphthalate	14.039	163	1241014	40.635	ng/ul	99
48) 2,6-Dinitrotoluene	14.145	165	249230	45.275	ng/ul	95
50) Acenaphthylene	14.298	152	1626545	40.655	ng/ul	99
51) 3-Nitroaniline	14.468	138	244277	49.959	ng/ul	96
52) Acenaphthene	14.645	153	1068209	40.514	ng/ul	99
53) 2,4-Dinitrophenol	14.674	184	132901	41.432	ng/ul	100
55) 4-Nitrophenol	14.774	109	190340	45.801	ng/ul	97
56) Dibenzofuran	14.974	168	1323678	35.288	ng/ul	97
57) 2,4-Dinitrotoluene	14.927	165	313757	40.584	ng/ul#	88
58) 2,3,4,6-Tetrachlorophenol	15.198	232	308227	44.128	ng/ul#	83
59) Diethylphthalate	15.404	149	1043876	34.866	ng/ul	96
61) Fluorene	15.621	166	1078611	35.724	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.621	204	597704	38.491	ng/ul	90
63) 4-Nitroaniline	15.633	138	204645m	47.709	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.692	198	190562	43.553	ng/ul#	86
67) N-Nitrosodiphenylamine	15.827	169	917461	39.230	ng/ul	98
68) 4-Bromophenyl-phenylether	16.509	248	378031	45.225	ng/ul	93
69) Hexachlorobenzene	16.627	284	446728	46.772	ng/ul#	89
70) Atrazine	16.780	200	357172	41.525	ng/ul	97
71) Pentachlorophenol	16.968	266	278151	44.850	ng/ul	98
72) Phenanthrene	17.362	178	1711773	40.943	ng/ul	99
74) Anthracene	17.451	178	1721048	40.485	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.380	216	533595	41.683	ng/ul	99
76) Pentachlorobenzene	14.898	250	527100	44.669	ng/ul	99
77) Carbazole	17.715	167	1477191	39.766	ng/ul	98
78) Di-n-butylphthalate	18.298	149	1636751	38.601	ng/ul	99
80) Fluoranthene	19.374	202	2066410	39.437	ng/ul#	94
82) Pyrene	19.733	202	2122095	39.323	ng/ul#	93
83) Butylbenzylphthalate	20.639	149	697196	36.861	ng/ul#	87
84) 3,3'-Dichlorobenzidine	21.409	252	672675	39.820	ng/ul#	97
85) Benzo(a)anthracene	21.480	228	2117382	41.356	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.421	149	1050200	35.021	ng/ul#	96
87) Chrysene	21.533	228	2072043	41.159	ng/ul	100
89) Di-n-octyl phthalate	22.350	149	1730074	36.721	ng/ul	100
90) Benzo(b)fluoranthene	23.162	252	2212947	43.562	ng/ul#	98
91) Benzo(k)fluoranthene	23.215	252	2165679	44.905	ng/ul#	97
93) Benzo(a)pyrene	23.785	252	2211051	43.418	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.385	276	2587680	42.105	ng/ul	99
95) Dibenzo(a,h)anthracene	26.397	278	2232380	42.008	ng/ul	99
96) Benzo(g,h,i)perylene	27.144	276	2209669	42.521	ng/ul	99

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

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