

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112024\
 Data File : BG063499.D
 Acq On : 21 Nov 2024 00:48
 Operator : RC/JU
 Sample : PB165117BS
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS117

Quant Time: Nov 21 01:27:40 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 20 14:52:38 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/22/2024
 Supervised By :mohammad ahmed 11/22/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.829	152	82675	20.000	ng/u1	0.00
20) Naphthalene-d8	10.620	136	339113	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.474	164	264665	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.224	188	682363	20.000	ng/u1	0.00
79) Chrysene-d12	21.483	240	794942	20.000	ng/u1	0.00
88) Perylene-d12	24.527	264	857421	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.299	96	12895	6.156	ng/uL	0.00
4) Pyridine-d5	3.698	84	190308	28.985	ng/u1	0.00
7) Phenol-d5	7.006	99	235616	34.652	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.159	67	144529	33.141	ng/u1	0.00
11) 2-Chlorophenol-d4	7.365	132	165276	34.299	ng/u1	0.00
15) 4-Methylphenol-d8	8.546	113	190572	33.540	ng/u1	0.00
21) Nitrobenzene-d5	8.986	128	83135	34.138	ng/u1	0.00
24) 2-Nitrophenol-d4	9.703	143	102542	34.085	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.250	165	199801	34.795	ng/u1	0.00
31) 4-Chloroaniline-d4	10.755	131	213029	29.331	ng/u1	0.00
46) Dimethylphthalate-d6	13.875	166	647630	36.046	ng/u1	0.00
49) Acenaphthylene-d8	14.163	160	704226	34.371	ng/u1	0.00
54) 4-Nitrophenol-d4	14.691	143	97730	36.608	ng/u1	0.00
60) Fluorene-d10	15.467	176	573965	35.158	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.596	200	132061	34.424	ng/u1	0.00
73) Anthracene-d10	17.324	188	1010842	34.098	ng/u1	0.00
81) Pyrene-d10	19.627	212	1363975	34.230	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.315	264	1420423	34.155	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.328	88	30844	12.471	ng/uL#	89
5) Pyridine	3.716	79	184783	27.659	ng/u1	93
6) Benzaldehyde	6.971	77	14712	3.780	ng/u1	92
8) Phenol	7.036	94	250984	33.851	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.253	93	175072	32.713	ng/u1	94
12) 2-Chlorophenol	7.394	128	173513	33.735	ng/u1	99
13) 2-Methylphenol	8.275	108	186854	33.871	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.346	45	256236	32.684	ng/u1	94
16) Acetophenone	8.646	105	285184	31.773	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.634	70	164562	32.807	ng/u1	94
18) 4-Methylphenol	8.604	108	200005	33.055	ng/u1	84
19) Hexachloroethane	8.898	117	73750	33.201	ng/u1#	84
22) Nitrobenzene	9.027	77	249729	33.427	ng/u1	99
23) Isophorone	9.544	82	452754	33.189	ng/u1	99
25) 2-Nitrophenol	9.738	139	104592	35.042	ng/u1	97
26) 2,4-Dimethylphenol	9.803	107	178991	27.820	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.032	93	247639	32.792	ng/u1#	96
29) 2,4-Dichlorophenol	10.273	162	193153	34.430	ng/u1	92
30) Naphthalene	10.673	128	589961	34.033	ng/u1	96
32) 4-Chloroaniline	10.784	127	115240	16.605	ng/u1	90
33) Hexachlorobutadiene	10.955	225	165377	33.048	ng/u1	91
34) Caprolactam	11.536	113	61626m	32.592	ng/u1	
35) 4-Chloro-3-methylphenol	11.918	107	209312	36.658	ng/u1	91
36) 2-Methylnaphthalene	12.282	142	421359	34.245	ng/u1	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.506	142	414484	32.082	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.659	216	303375	32.619	ng/ul	99
40) Hexachlorocyclopentadiene	12.635	237	93150	23.481	ng/ul#	87
41) 2,4,6-Trichlorophenol	12.905	196	172759	33.852	ng/ul	92
42) 2,4,5-Trichlorophenol	12.982	196	195602m	37.140	ng/ul	
43) 1,1'-Biphenyl	13.299	154	593431	33.785	ng/ul	99
44) 2-Chloronaphthalene	13.340	162	461147	33.412	ng/ul	96
45) 2-Nitroaniline	13.552	65	159985	36.777	ng/ul	93
47) Dimethylphthalate	13.928	163	612529	34.990	ng/ul	98
48) 2,6-Dinitrotoluene	14.045	165	129095	36.350	ng/ul	90
50) Acenaphthylene	14.192	152	716646	34.794	ng/ul	97
51) 3-Nitroaniline	14.380	138	121630	37.394	ng/ul	92
52) Acenaphthene	14.533	153	509038	34.217	ng/ul	98
53) 2,4-Dinitrophenol	14.597	184	62048	34.029	ng/ul	98
55) 4-Nitrophenol	14.703	109	112265	36.186	ng/ul	95
56) Dibenzofuran	14.874	168	756542	35.445	ng/ul	96
57) 2,4-Dinitrotoluene	14.844	165	198141	36.460	ng/ul#	99
58) 2,3,4,6-Tetrachlorophenol	15.103	232	178570	35.680	ng/ul#	89
59) Diethylphthalate	15.297	149	630938	35.683	ng/ul	97
61) Fluorene	15.526	166	626819	34.500	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.514	204	377248	34.797	ng/ul	99
63) 4-Nitroaniline	15.549	138	146545	44.008	ng/ul	90
66) 4,6-Dinitro-2-methylph...	15.614	198	139034	33.917	ng/ul#	99
67) N-Nitrosodiphenylamine	15.731	169	531995	32.838	ng/ul	95
68) 4-Bromophenyl-phenylether	16.413	248	259536	33.945	ng/ul	97
69) Hexachlorobenzene	16.536	284	266286	33.219	ng/ul	94
70) Atrazine	16.689	200	234015	29.898	ng/ul	97
71) Pentachlorophenol	16.883	266	118955m	31.733	ng/ul	
72) Phenanthrene	17.265	178	1110830	34.150	ng/ul	100
74) Anthracene	17.359	178	1120218	33.725	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.264	216	308337	31.055	ng/ul	87
76) Pentachlorobenzene	14.791	250	305369	31.145	ng/ul	95
77) Carbazole	17.635	167	994642	36.091	ng/ul	98
78) Di-n-butylphthalate	18.193	149	1157266	36.629	ng/ul	99
80) Fluoranthene	19.292	202	1502535	34.102	ng/ul	100
82) Pyrene	19.656	202	1575568	33.371	ng/ul	98
83) Butylbenzylphthalate	20.549	149	537304	35.069	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.389	252	560578	32.828	ng/ul	97
85) Benzo(a)anthracene	21.466	228	1737746	33.807	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.384	149	780624	35.053	ng/ul	98
87) Chrysene	21.530	228	1666926	34.682	ng/ul	98
89) Di-n-octyl phthalate	22.529	149	1386712	36.451	ng/ul	100
90) Benzo(b)fluoranthene	23.563	252	1816315m	35.282	ng/ul	
91) Benzo(k)fluoranthene	23.628	252	1745935	33.799	ng/ul	99
93) Benzo(a)pyrene	24.386	252	1639338	34.025	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	27.958	276	2027689	33.931	ng/ul	98
95) Dibenzo(a,h)anthracene	28.011	278	1671841	34.220	ng/ul	96
96) Benzo(g,h,i)perylene	29.028	276	1533213	33.837	ng/ul	98

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

