

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110624\
 Data File : BG063191.D
 Acq On : 7 Nov 2024 6:17
 Operator : RC/JU
 Sample : PB164608BS
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS608

Quant Time: Nov 07 05:52:02 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110624.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 06 15:45:52 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/08/2024
 Supervised By :mohammad ahmed 11/11/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.843	152	89027	20.000	ng/u1	0.00
20) Naphthalene-d8	10.628	136	408628	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.476	164	397765	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.226	188	1007114	20.000	ng/u1	0.00
79) Chrysene-d12	21.486	240	1065181	20.000	ng/u1	0.00
88) Perylene-d12	24.518	264	1134667	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.307	96	8898	4.519	ng/uL	0.00
4) Pyridine-d5	3.713	84	150447	23.119	ng/u1	0.00
7) Phenol-d5	7.015	99	234884	29.239	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.173	67	121051	25.690	ng/u1	0.00
11) 2-Chlorophenol-d4	7.373	132	161632	30.998	ng/u1	0.00
15) 4-Methylphenol-d8	8.548	113	199288	29.268	ng/u1	0.00
21) Nitrobenzene-d5	8.995	128	83594	29.099	ng/u1	0.00
24) 2-Nitrophenol-d4	9.717	143	106838	28.775	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.258	165	232387	31.893	ng/u1	0.00
31) 4-Chloroaniline-d4	10.769	131	237399	25.014	ng/u1	0.00
46) Dimethylphthalate-d6	13.883	166	778882	24.999	ng/u1	0.00
49) Acenaphthylene-d8	14.171	160	850772	27.898	ng/u1	0.00
54) 4-Nitrophenol-d4	14.688	143	124340	29.147	ng/u1	0.00
60) Fluorene-d10	15.475	176	714539	27.173	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.599	200	181210	28.630	ng/u1	0.00
73) Anthracene-d10	17.326	188	1264314	29.209	ng/u1	0.00
81) Pyrene-d10	19.623	212	1602930	30.014	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.312	264	1609957	29.388	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.337	88	20430	8.429	ng/uL	92
5) Pyridine	3.730	79	165521	24.929	ng/u1	95
6) Benzaldehyde	6.985	77	19684	4.433	ng/u1#	82
8) Phenol	7.044	94	261959	29.923	ng/u1	93
10) Bis(2-Chloroethyl)ether	7.267	93	155756	26.161	ng/u1	91
12) 2-Chlorophenol	7.408	128	174363	31.262	ng/u1	98
13) 2-Methylphenol	8.290	108	193902	30.323	ng/u1	93
14) 2,2'-oxybis(1-Chloropr...	8.360	45	204112	27.123	ng/u1	98
16) Acetophenone	8.660	105	289075	26.368	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.648	70	162741	25.448	ng/u1	95
18) 4-Methylphenol	8.613	108	218755	30.084	ng/u1	93
19) Hexachloroethane	8.912	117	64203	28.406	ng/u1	94
22) Nitrobenzene	9.036	77	253151	28.579	ng/u1	97
23) Isophorone	9.559	82	465941	24.923	ng/u1	99
25) 2-Nitrophenol	9.747	139	110324	30.058	ng/u1	93
26) 2,4-Dimethylphenol	9.811	107	217918	27.220	ng/u1	93
27) Bis(2-Chloroethoxy)met...	10.040	93	245301	27.218	ng/u1	97
29) 2,4-Dichlorophenol	10.281	162	226452	32.966	ng/u1#	92
30) Naphthalene	10.681	128	596640	28.536	ng/u1	98
32) 4-Chloroaniline	10.792	127	139302	15.336	ng/u1	99
33) Hexachlorobutadiene	10.969	225	189854	28.878	ng/u1	97
34) Caprolactam	11.545	113	73374m	25.700	ng/u1	
35) 4-Chloro-3-methylphenol	11.921	107	251081	30.462	ng/u1	94
36) 2-Methylnaphthalene	12.291	142	492542	29.722	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.514	142	482600	28.005	ng/ul	92
39) 1,2,4,5-Tetrachloroben...	12.667	216	408298	29.119	ng/ul	100
40) Hexachlorocyclopentadiene	12.643	237	162913	21.278	ng/ul#	91
41) 2,4,6-Trichlorophenol	12.908	196	245710	32.464	ng/ul	95
42) 2,4,5-Trichlorophenol	12.984	196	269863	32.880	ng/ul	89
43) 1,1'-Biphenyl	13.307	154	729927	28.951	ng/ul	99
44) 2-Chloronaphthalene	13.348	162	576708	29.381	ng/ul	96
45) 2-Nitroaniline	13.554	65	191805	28.646	ng/ul	95
47) Dimethylphthalate	13.936	163	747160	25.010	ng/ul	98
48) 2,6-Dinitrotoluene	14.053	165	164545	28.783	ng/ul	95
50) Acenaphthylene	14.200	152	879971	28.967	ng/ul	97
51) 3-Nitroaniline	14.382	138	153884	30.838	ng/ul	99
52) Acenaphthene	14.541	153	627576	28.864	ng/ul	99
53) 2,4-Dinitrophenol	14.594	184	106873	28.355	ng/ul	94
55) 4-Nitrophenol	14.706	109	164240	29.623	ng/ul	91
56) Dibenzofuran	14.876	168	947614	28.471	ng/ul	97
57) 2,4-Dinitrotoluene	14.847	165	249918	27.641	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.111	232	261077	30.714	ng/ul#	98
59) Diethylphthalate	15.305	149	769590	25.126	ng/ul	98
61) Fluorene	15.528	166	806461	28.629	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.522	204	517911	28.608	ng/ul	99
63) 4-Nitroaniline	15.552	138	167477	33.161	ng/ul	93
66) 4,6-Dinitro-2-methylph...	15.616	198	196374	29.895	ng/ul	99
67) N-Nitrosodiphenylamine	15.740	169	669487	29.798	ng/ul	98
68) 4-Bromophenyl-phenylether	16.415	248	355490	30.876	ng/ul	97
69) Hexachlorobenzene	16.539	284	371391	30.279	ng/ul	97
70) Atrazine	16.691	200	332009	27.013	ng/ul	97
71) Pentachlorophenol	16.885	266	197710	32.153	ng/ul	98
72) Phenanthrene	17.273	178	1400203	30.430	ng/ul	99
74) Anthracene	17.361	178	1410969	29.933	ng/ul	96
75) 1,2,3,4-Tetrachloroben...	13.278	216	415757	31.924	ng/ul	99
76) Pentachlorobenzene	14.805	250	425533	30.640	ng/ul	96
77) Carbazole	17.632	167	1175132	30.027	ng/ul	97
78) Di-n-butylphthalate	18.196	149	1330421	29.886	ng/ul	100
80) Fluoranthene	19.288	202	1790902	31.024	ng/ul	99
82) Pyrene	19.653	202	1897731	31.015	ng/ul	98
83) Butylbenzylphthalate	20.552	149	600360	33.573	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.386	252	712027	31.087	ng/ul	100
85) Benzo(a)anthracene	21.462	228	2068114	30.695	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.380	149	863617	33.156	ng/ul	99
87) Chrysene	21.527	228	1911971	30.437	ng/ul	99
89) Di-n-octyl phthalate	22.526	149	1471090	32.900	ng/ul	100
90) Benzo(b)fluoranthene	23.560	252	2071546	30.344	ng/ul	99
91) Benzo(k)fluoranthene	23.619	252	2074295	30.505	ng/ul	98
93) Benzo(a)pyrene	24.377	252	1898034	30.057	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	27.943	276	2352389	30.369	ng/ul	96
95) Dibenzo(a,h)anthracene	27.996	278	1930321	30.567	ng/ul	99
96) Benzo(g,h,i)perylene	29.018	276	1795823	30.578	ng/ul	98

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

