

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112624\
 Data File : BG063557.D
 Acq On : 26 Nov 2024 9:49
 Operator : RC/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020553

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/27/2024
 Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 27 00:04:26 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.829	152	94208	20.000	ng/u1	0.00
20) Naphthalene-d8	10.614	136	366308	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.469	164	285670	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.218	188	722830	20.000	ng/u1	0.00
79) Chrysene-d12	21.478	240	815875	20.000	ng/u1	0.00
88) Perylene-d12	24.516	264	883550	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.293	96	19015	7.966	ng/uL	0.00
4) Pyridine-d5	3.699	84	132030	17.647	ng/u1	0.00
7) Phenol-d5	7.001	99	151180	19.512	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.159	67	105008	21.131	ng/u1	0.00
11) 2-Chlorophenol-d4	7.359	132	112500	20.488	ng/u1	0.00
15) 4-Methylphenol-d8	8.540	113	126060	19.470	ng/u1	0.00
21) Nitrobenzene-d5	8.981	128	57823	21.981	ng/u1	0.00
24) 2-Nitrophenol-d4	9.704	143	66100	20.341	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.244	165	125802	20.282	ng/u1	0.00
31) 4-Chloroaniline-d4	10.755	131	161842	20.629	ng/u1	0.00
46) Dimethylphthalate-d6	13.875	166	405394	20.904	ng/u1	0.00
49) Acenaphthylene-d8	14.157	160	474065	21.436	ng/u1	0.00
54) 4-Nitrophenol-d4	14.686	143	57558	19.975	ng/u1	0.00
60) Fluorene-d10	15.462	176	374202	21.236	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.597	200	78272	19.261	ng/u1	0.00
73) Anthracene-d10	17.318	188	661558	21.066	ng/u1	0.00
81) Pyrene-d10	19.621	212	871970	21.321	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.310	264	904284	21.101	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.329	88	21563	7.651	ng/uL	98
5) Pyridine	3.716	79	140567	18.465	ng/u1	96
6) Benzaldehyde	6.966	77	110552	24.928	ng/u1	87
8) Phenol	7.030	94	167164	19.786	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.253	93	118784	19.478	ng/u1#	96
12) 2-Chlorophenol	7.394	128	118465	20.213	ng/u1	97
13) 2-Methylphenol	8.270	108	124244	19.765	ng/u1	94
14) 2,2'-oxybis(1-Chloropr...	8.340	45	192383	21.535	ng/u1#	92
16) Acetophenone	8.646	105	197967	19.356	ng/u1	89
17) N-Nitroso-di-n-propyla...	8.628	70	111626	19.529	ng/u1	92
18) 4-Methylphenol	8.599	108	130597	18.942	ng/u1	94
19) Hexachloroethane	8.904	117	52600	20.781	ng/u1#	91
22) Nitrobenzene	9.022	77	173532	21.503	ng/u1	93
23) Isophorone	9.545	82	304432	20.659	ng/u1	99
25) 2-Nitrophenol	9.733	139	66542	20.639	ng/u1	92
26) 2,4-Dimethylphenol	9.798	107	143278	20.616	ng/u1	94
27) Bis(2-Chloroethoxy)met...	10.027	93	168465	20.652	ng/u1	97
29) 2,4-Dichlorophenol	10.273	162	128044	21.129	ng/u1	93
30) Naphthalene	10.667	128	406170	21.691	ng/u1	96
32) 4-Chloroaniline	10.779	127	151940	20.268	ng/u1	93
33) Hexachlorobutadiene	10.955	225	106329	19.671	ng/u1	95
34) Caprolactam	11.525	113	41191m	20.167	ng/u1	
35) 4-Chloro-3-methylphenol	11.919	107	134599	21.823	ng/u1	97
36) 2-Methylnaphthalene	12.283	142	292744	22.025	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.500	142	294991	21.138	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.653	216	202403	20.162	ng/ul	99
40) Hexachlorocyclopentadiene	12.635	237	68345	15.962	ng/ul	99
41) 2,4,6-Trichlorophenol	12.900	196	108280	19.658	ng/ul	100
42) 2,4,5-Trichlorophenol	12.976	196	116440	20.483	ng/ul	87
43) 1,1'-Biphenyl	13.299	154	406350	21.433	ng/ul	97
44) 2-Chloronaphthalene	13.340	162	315808	21.199	ng/ul	94
45) 2-Nitroaniline	13.546	65	104460	22.247	ng/ul	90
47) Dimethylphthalate	13.922	163	396797	21.000	ng/ul	100
48) 2,6-Dinitrotoluene	14.046	165	80296	20.947	ng/ul#	70
50) Acenaphthylene	14.187	152	470479	21.163	ng/ul	96
51) 3-Nitroaniline	14.375	138	78818	22.450	ng/ul#	99
52) Acenaphthene	14.533	153	338758	21.097	ng/ul	92
53) 2,4-Dinitrophenol	14.598	184	29337	14.906	ng/ul	94
55) 4-Nitrophenol	14.704	109	63406m	18.935	ng/ul	
56) Dibenzofuran	14.868	168	502120	21.796	ng/ul	97
57) 2,4-Dinitrotoluene	14.839	165	126511	21.567	ng/ul#	96
58) 2,3,4,6-Tetrachlorophenol	15.103	232	108120	20.015	ng/ul#	90
59) Diethylphthalate	15.291	149	404424	21.190	ng/ul	97
61) Fluorene	15.520	166	416716	21.250	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.514	204	242208	20.698	ng/ul	99
63) 4-Nitroaniline	15.538	138	87504	24.346	ng/ul	87
66) 4,6-Dinitro-2-methylph...	15.608	198	86664	19.958	ng/ul#	91
67) N-Nitrosodiphenylamine	15.732	169	349890	20.388	ng/ul	95
68) 4-Bromophenyl-phenylether	16.407	248	163855	20.231	ng/ul	95
69) Hexachlorobenzene	16.531	284	168705	19.868	ng/ul	91
70) Atrazine	16.684	200	170100	20.515	ng/ul	93
71) Pentachlorophenol	16.883	266	57570m	14.498	ng/ul	
72) Phenanthrene	17.265	178	727153	21.103	ng/ul	97
74) Anthracene	17.353	178	750574	21.332	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.264	216	207428	19.722	ng/ul	92
76) Pentachlorobenzene	14.792	250	205050	19.743	ng/ul	99
77) Carbazole	17.624	167	661798	22.669	ng/ul	97
78) Di-n-butylphthalate	18.188	149	738144	22.056	ng/ul	99
80) Fluoranthene	19.286	202	980748	21.688	ng/ul	100
82) Pyrene	19.651	202	1022802	21.108	ng/ul	100
83) Butylbenzylphthalate	20.544	149	327609	20.834	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.384	252	398189	22.720	ng/ul	100
85) Benzo(a)anthracene	21.460	228	1120008	21.230	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.378	149	503147	22.014	ng/ul	99
87) Chrysene	21.519	228	1052020	21.327	ng/ul	99
89) Di-n-octyl phthalate	22.518	149	871452	22.229	ng/ul	100
90) Benzo(b)fluoranthene	23.558	252	1131700m	21.333	ng/ul	
91) Benzo(k)fluoranthene	23.617	252	1116757	20.979	ng/ul	99
93) Benzo(a)pyrene	24.369	252	1043914	21.026	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.947	276	1294956m	21.029	ng/ul	
95) Dibenzo(a,h)anthracene	27.994	278	1062136	21.097	ng/ul	96
96) Benzo(g,h,i)perylene	28.999	276	982192	21.035	ng/ul	98

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

