

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112224\
 Data File : BG063515.D
 Acq On : 22 Nov 2024 11:47
 Operator : RC/JU
 Sample : P4776-02
 Misc : MDL-WATER-QT4-2024
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-WATER-QT4-2024-08

Quant Time: Nov 22 12:29:55 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 :Jagrut Upadhyay 11/25/2024
 Supervised By :mohammad ahmed 11/27/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.827	152	99983	20.000	ng/u1	0.00
20) Naphthalene-d8	10.618	136	424421	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.472	164	338666	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.227	188	806149	20.000	ng/u1	0.00
79) Chrysene-d12	21.487	240	881161	20.000	ng/u1	0.00
88) Perylene-d12	24.531	264	935717	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.303	96	8857	3.496	ng/uL	0.00
4) Pyridine-d5	3.708	84	89246	11.240	ng/u1	0.00
7) Phenol-d5	7.004	99	109492	13.315	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.163	67	72001	13.652	ng/u1	0.00
11) 2-Chlorophenol-d4	7.368	132	81376	13.964	ng/u1	0.00
15) 4-Methylphenol-d8	8.538	113	89037	12.957	ng/u1	0.00
21) Nitrobenzene-d5	8.984	128	40461	13.275	ng/u1	0.00
24) 2-Nitrophenol-d4	9.707	143	47154	12.524	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.247	165	86635	12.055	ng/u1	0.00
31) 4-Chloroaniline-d4	10.759	131	117101	12.882	ng/u1	0.00
46) Dimethylphthalate-d6	13.878	166	313843	13.651	ng/u1	0.00
49) Acenaphthylene-d8	14.166	160	356835	13.611	ng/u1	0.00
54) 4-Nitrophenol-d4	14.695	143	33502	9.807	ng/u1	0.00
60) Fluorene-d10	15.471	176	289589	13.862	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.600	200	49176	10.850	ng/u1	0.00
73) Anthracene-d10	17.327	188	473184	13.511	ng/u1	0.00
81) Pyrene-d10	19.630	212	624451	14.138	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.319	264	619286	13.645	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.332	88	2996m	1.002	ng/uL	
5) Pyridine	3.726	79	31026	3.840	ng/u1	89
6) Benzaldehyde	6.969	77	24560	5.218	ng/u1#	78
8) Phenol	7.033	94	38003	4.238	ng/u1	95
10) Bis(2-Chloroethyl)ether	7.251	93	30041	4.642	ng/u1#	92
12) 2-Chlorophenol	7.392	128	28716	4.617	ng/u1	92
13) 2-Methylphenol	8.279	108	29245	4.384	ng/u1	91
14) 2,2'-oxybis(1-Chloropr...	8.350	45	42595	4.493	ng/u1#	88
16) Acetophenone	8.643	105	47980	4.420	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.632	70	26644	4.392	ng/u1#	88
18) 4-Methylphenol	8.602	108	32119	4.389	ng/u1#	69
19) Hexachloroethane	8.902	117	12559	4.675	ng/u1	88
22) Nitrobenzene	9.025	77	42972	4.596	ng/u1#	90
23) Isophorone	9.542	82	71704	4.200	ng/u1	98
25) 2-Nitrophenol	9.736	139	17586	4.708	ng/u1	94
26) 2,4-Dimethylphenol	9.807	107	32484	4.034	ng/u1#	91
27) Bis(2-Chloroethoxy)met...	10.030	93	41829	4.426	ng/u1	92
29) 2,4-Dichlorophenol	10.277	162	31566	4.496	ng/u1	96
30) Naphthalene	10.670	128	102447	4.722	ng/u1	97
32) 4-Chloroaniline	10.782	127	36628	4.217	ng/u1	98
33) Hexachlorobutadiene	10.958	225	27239	4.349	ng/u1#	85
34) Caprolactam	11.540	113	11271m	4.763	ng/u1	
35) 4-Chloro-3-methylphenol	11.922	107	31046	4.344	ng/u1	86
36) 2-Methylnaphthalene	12.286	142	68959	4.478	ng/u1	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.509	142	68392	4.230	ng/ul#	97
39) 1,2,4,5-Tetrachloroben...	12.662	216	50151	4.214	ng/ul	90
40) Hexachlorocyclopentadiene	12.639	237	23342	4.598	ng/ul	99
41) 2,4,6-Trichlorophenol	12.903	196	24305	3.722	ng/ul	84
42) 2,4,5-Trichlorophenol	12.979	196	27428	4.070	ng/ul	93
43) 1,1'-Biphenyl	13.303	154	101209	4.503	ng/ul	94
44) 2-Chloronaphthalene	13.344	162	78004	4.417	ng/ul	96
45) 2-Nitroaniline	13.549	65	22408	4.026	ng/ul	97
47) Dimethylphthalate	13.925	163	102747	4.587	ng/ul	98
48) 2,6-Dinitrotoluene	14.049	165	18703	4.116	ng/ul#	78
50) Acenaphthylene	14.190	152	124300	4.716	ng/ul#	93
51) 3-Nitroaniline	14.384	138	17020	4.089	ng/ul	95
52) Acenaphthene	14.536	153	87836	4.614	ng/ul	93
53) 2,4-Dinitrophenol	14.601	184	10783m	4.621	ng/ul	
55) 4-Nitrophenol	14.701	109	15533m	3.913	ng/ul	
56) Dibenzofuran	14.877	168	129689	4.748	ng/ul	100
57) 2,4-Dinitrotoluene	14.848	165	28428	4.088	ng/ul#	99
58) 2,3,4,6-Tetrachlorophenol	15.112	232	24366m	3.805	ng/ul	
59) Diethylphthalate	15.294	149	97460	4.307	ng/ul#	96
61) Fluorene	15.524	166	105846	4.553	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.518	204	63865	4.604	ng/ul	91
63) 4-Nitroaniline	15.547	138	18957	4.449	ng/ul#	64
66) 4,6-Dinitro-2-methylph...	15.618	198	18499	3.820	ng/ul#	70
67) N-Nitrosodiphenylamine	15.735	169	89689	4.686	ng/ul	98
68) 4-Bromophenyl-phenylether	16.417	248	40897	4.528	ng/ul	94
69) Hexachlorobenzene	16.540	284	42670	4.506	ng/ul	97
70) Atrazine	16.687	200	43018	4.652	ng/ul	98
71) Pentachlorophenol	16.893	266	19356m	4.371	ng/ul	
72) Phenanthrene	17.269	178	183314	4.770	ng/ul	97
74) Anthracene	17.363	178	182515	4.651	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.267	216	46194	3.938	ng/ul	92
76) Pentachlorobenzene	14.801	250	48939	4.225	ng/ul	94
77) Carbazole	17.639	167	149499	4.592	ng/ul	97
78) Di-n-butylphthalate	18.197	149	166389	4.458	ng/ul#	98
80) Fluoranthene	19.290	202	223637	4.579	ng/ul	98
82) Pyrene	19.660	202	245883	4.698	ng/ul	98
83) Butylbenzylphthalate	20.553	149	73661	4.337	ng/ul	91
84) 3,3'-Dichlorobenzidine	21.393	252	91109	4.813	ng/ul	92
85) Benzo(a)anthracene	21.470	228	261072	4.582	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.387	149	107908	4.371	ng/ul	97
87) Chrysene	21.528	228	257813	4.839	ng/ul	96
89) Di-n-octyl phthalate	22.533	149	185784	4.475	ng/ul	100
90) Benzo(b)fluoranthene	23.573	252	253658	4.515	ng/ul	97
91) Benzo(k)fluoranthene	23.632	252	258533m	4.586	ng/ul	
93) Benzo(a)pyrene	24.390	252	225629	4.291	ng/ul#	96
94) Indeno(1,2,3-cd)pyrene	27.968	276	279057	4.279	ng/ul	94
95) Dibenzo(a,h)anthracene	28.015	278	240530m	4.511	ng/ul	
96) Benzo(g,h,i)perylene	29.037	276	221303m	4.475	ng/ul	

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

