

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052324\
 Data File : BG061268.D
 Acq On : 23 May 2024 11:46
 Operator : MA/JU
 Sample : P2409-02
 Misc : SFAM-MDL-WATER-02
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-WATER-QT2-2024-04

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/24/2024
 Supervised By :mohammad ahmed 05/25/2024

Quant Time: May 24 01:33:15 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 21 15:23:39 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.886	152	27041	20.000	ng/u1	0.00
20) Naphthalene-d8	10.676	136	123050	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.519	164	106700	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.269	188	286961	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.517	240	290099	20.000	ng/u1	0.00
88) Perylene-d12	24.601	264	309246	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.338	96	2850	5.898	ng/uL	0.00
4) Pyridine-d5	3.743	84	44321	25.783	ng/u1	0.00
7) Phenol-d5	7.063	99	48287	21.745	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.216	67	31950	22.891	ng/u1	0.00
11) 2-Chlorophenol-d4	7.421	132	36439	22.172	ng/u1	0.00
15) 4-Methylphenol-d8	8.602	113	41323	21.824	ng/u1	0.00
21) Nitrobenzene-d5	9.043	128	21694	22.899	ng/u1	0.00
24) 2-Nitrophenol-d4	9.766	143	24043	21.684	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.312	165	46337	21.437	ng/u1	0.00
31) 4-Chloroaniline-d4	10.812	131	62482	22.094	ng/u1	0.00
46) Dimethylphthalate-d6	13.925	166	189653	22.918	ng/u1	0.00
49) Acenaphthylene-d8	14.213	160	196819	22.877	ng/u1	0.00
54) 4-Nitrophenol-d4	14.742	143	23107m	22.585	ng/u1	0.00
60) Fluorene-d10	15.512	176	168337	23.561	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.647	200	33947	19.559	ng/u1	0.00
73) Anthracene-d10	17.363	188	260575	20.597	ng/u1	0.00
81) Pyrene-d10	19.654	212	336068	22.562	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.390	264	346581	23.312	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.373	88	800	1.379	ng/uL#	64
5) Pyridine	3.767	79	9520	5.599	ng/u1	85
6) Benzaldehyde	7.028	77	6406	5.517	ng/u1#	81
8) Phenol	7.092	94	10540	4.658	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.310	93	8657	5.231	ng/u1	83
12) 2-Chlorophenol	7.457	128	7836	4.512	ng/u1#	94
13) 2-Methylphenol	8.338	108	8059	4.596	ng/u1	93
14) 2,2'-oxybis(1-Chloropr...	8.403	45	22012	4.925	ng/u1	97
16) Acetophenone	8.696	105	16485	5.101	ng/u1#	82
17) N-Nitroso-di-n-propyla...	8.685	70	8895	5.006	ng/u1	97
18) 4-Methylphenol	8.661	108	9314	4.794	ng/u1	93
19) Hexachloroethane	8.961	117	3541	4.582	ng/u1	97
22) Nitrobenzene	9.084	77	11571	4.453	ng/u1	92
23) Isophorone	9.607	82	25382	4.802	ng/u1	97
25) 2-Nitrophenol	9.795	139	5821	4.837	ng/u1	95
26) 2,4-Dimethylphenol	9.860	107	6309	2.646	ng/u1	92
27) Bis(2-Chloroethoxy)met...	10.089	93	13746	5.188	ng/u1	99
29) 2,4-Dichlorophenol	10.341	162	9564	4.804	ng/u1#	94
30) Naphthalene	10.729	128	31685	4.879	ng/u1	98
32) 4-Chloroaniline	10.841	127	13392	4.765	ng/u1#	85
33) Hexachlorobutadiene	11.017	225	9088	4.670	ng/u1	98
34) Caprolactam	11.611	113	4481	5.883	ng/u1	90
35) 4-Chloro-3-methylphenol	11.981	107	12130	4.713	ng/u1#	85
36) 2-Methylnaphthalene	12.339	142	23242	4.935	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.562	142	23982	4.961	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	12.709	216	16660	4.729	ng/ul	98
40) Hexachlorocyclopentadiene	12.686	237	6448	4.055	ng/ul#	86
41) 2,4,6-Trichlorophenol	12.962	196	9053	4.562	ng/ul#	91
42) 2,4,5-Trichlorophenol	13.038	196	10390m	4.972	ng/ul	
43) 1,1'-Biphenyl	13.350	154	33340	4.832	ng/ul	91
44) 2-Chloronaphthalene	13.391	162	25986	4.786	ng/ul#	91
45) 2-Nitroaniline	13.596	65	10262	4.579	ng/ul	94
47) Dimethylphthalate	13.972	163	42186	4.891	ng/ul	99
48) 2,6-Dinitrotoluene	14.096	165	8108	4.794	ng/ul#	89
50) Acenaphthylene	14.243	152	47543	4.983	ng/ul	99
51) 3-Nitroaniline	14.425	138	7501	5.110	ng/ul	93
52) Acenaphthene	14.584	153	31836	5.087	ng/ul	97
53) 2,4-Dinitrophenol	14.654	184	3897m	4.345	ng/ul	
55) 4-Nitrophenol	14.760	109	5845	4.859	ng/ul	88
56) Dibenzofuran	14.918	168	45592	5.095	ng/ul	92
57) 2,4-Dinitrotoluene	14.889	165	11851	4.605	ng/ul#	93
58) 2,3,4,6-Tetrachlorophenol	15.159	232	8374	4.394	ng/ul#	95
59) Diethylphthalate	15.341	149	42054	4.937	ng/ul	97
61) Fluorene	15.571	166	38714	5.000	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.559	204	22721	5.004	ng/ul	93
63) 4-Nitroaniline	15.588	138	7418	4.852	ng/ul	90
66) 4,6-Dinitro-2-methylph...	15.659	198	8247	4.534	ng/ul#	82
67) N-Nitrosodiphenylamine	15.776	169	34554	4.791	ng/ul	95
68) 4-Bromophenyl-phenylether	16.458	248	16238	4.776	ng/ul	98
69) Hexachlorobenzene	16.581	284	18043	4.774	ng/ul	97
70) Atrazine	16.722	200	16235	5.688	ng/ul#	94
71) Pentachlorophenol	16.940	266	6148	4.674	ng/ul	95
72) Phenanthrene	17.310	178	68181	4.895	ng/ul	97
74) Anthracene	17.398	178	64398	4.472	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.314	216	18208	4.800	ng/uL	96
76) Pentachlorobenzene	14.842	250	21142	5.041	ng/uL	96
77) Carbazole	17.668	167	57485	4.908	ng/ul	98
78) Di-n-butylphthalate	18.232	149	70979	4.836	ng/ul	97
80) Fluoranthene	19.319	202	87944	4.922	ng/ul	100
82) Pyrene	19.683	202	92062	4.963	ng/ul	99
83) Butylbenzylphthalate	20.577	149	30907	4.851	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.417	252	29032	4.715	ng/ul#	99
85) Benzo(a)anthracene	21.499	228	98508	4.921	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.411	149	46291	4.908	ng/ul	99
87) Chrysene	21.558	228	90627	4.917	ng/ul	98
89) Di-n-octyl phthalate	22.574	149	79567	5.143	ng/ul	100
90) Benzo(b)fluoranthene	23.620	252	92321	5.014	ng/ul	99
91) Benzo(k)fluoranthene	23.685	252	94978	5.081	ng/ul	94
93) Benzo(a)pyrene	24.448	252	87053	4.979	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.091	276	104447	4.940	ng/ul	96
95) Dibenzo(a,h)anthracene	28.138	278	87428	5.015	ng/ul#	97
96) Benzo(g,h,i)perylene	29.178	276	84778	5.040	ng/ul	96

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

