Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052224\
Data File : BG061259.D
Acq On : 22 May 2024 13:57
Operator : MA/JU
Sample : P2409-01
Misc : SFAM-MDL-WATER-01
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 23:48:02 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

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-QT2-2024-03

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.881	152	27710	20.000	ng/ul	0.00
20) Naphthalene-d8	10.684	136	107520	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.521	164	90392	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.270	188	249345m	20.000	ng/ul	0.00
79) Chrysene-d12	21.518	240	265045	20.000	ng/ul	0.00
88) Perylene-d12	24.609	264	282772	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.334	96	2411	4.869	ng/uL	0.00
4) Pyridine-d5	3.745	84	40995	23.272	ng/ul	0.00
7) Phenol-d5	7.059	99	50892	22.365	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.212	67	33715	23.572	ng/ul	0.00
11) 2-Chlorophenol-d4	7.417	132	38841	23.063	ng/ul	0.00
15) 4-Methylphenol-d8	8.598	113	37143	19.142	ng/ul	0.00
21) Nitrobenzene-d5	9.039	128	19590	23.664	ng/ul	0.00
24) 2-Nitrophenol-d4	9.762	143	22272	22.988	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.314	165	40691	21.544	ng/ul	0.00
31) 4-Chloroaniline-d4	10.819	131	53539	21.667	ng/ul	0.00
46) Dimethylphthalate-d6	13.927	166	160856	22.945	ng/ul	0.00
49) Acenaphthylene-d8	14.215	160	170109	23.339	ng/ul	0.00
54) 4-Nitrophenol-d4	14.750	143	20510	23.663	ng/ul	0.00
60) Fluorene-d10	15.514	176	144064	23.802	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.649	200	30628	20.309	ng/ul	0.00
73) Anthracene-d10	17.370	188	231536	21.062	ng/ul	0.00
81) Pyrene-d10	19.662	212	303946	22.334	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.397	264	320652	23.587	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.375	88	634m	1.067	ng/uL	
5) Pyridine	3.763	79	9183	5.271	ng/ul	93
6) Benzaldehyde	7.030	77	7011	5.892	ng/ul	91
8) Phenol	7.088	94	10520	4.537	ng/ul	94
10) Bis(2-Chloroethyl)ether	7.306	93	8808	5.194	ng/ul	98
12) 2-Chlorophenol	7.458	128	8945	5.026	ng/ul	95
13) 2-Methylphenol	8.334	108	7275	4.049	ng/ul	97
14) 2,2'-oxybis(1-Chloropr...	8.416	45	20790	4.539	ng/ul	99
16) Acetophenone	8.704	105	14337	4.329	ng/ul	91
17) N-Nitroso-di-n-propyla...	8.686	70	7798	4.283	ng/ul#	97
18) 4-Methylphenol	8.669	108	7817	3.926	ng/ul	97
19) Hexachloroethane	8.963	117	3564	4.501	ng/ul	94
22) Nitrobenzene	9.086	77	11369	5.007	ng/ul	93
23) Isophorone	9.609	82	22419	4.854	ng/ul	98
25) 2-Nitrophenol	9.797	139	5260	5.002	ng/ul#	90
26) 2,4-Dimethylphenol	9.861	107	5802	2.784	ng/ul	89
27) Bis(2-Chloroethoxy)met...	10.091	93	11332	4.895	ng/ul#	88
29) 2,4-Dichlorophenol	10.337	162	8639	4.966	ng/ul	98
30) Naphthalene	10.731	128	27763	4.892	ng/ul	98
32) 4-Chloroaniline	10.843	127	11464	4.668	ng/ul	94
33) Hexachlorobutadiene	11.019	225	8427	4.956	ng/ul#	84
34) Caprolactam	11.612	113	3782	5.682	ng/ul	90
35) 4-Chloro-3-methylphenol	11.983	107	10647	4.734	ng/ul	91
36) 2-Methylnaphthalene	12.347	142	19523	4.744	ng/ul	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.564	142	20822	4.930	ng/ul#	85
39) 1,2,4,5-Tetrachloroben...	12.717	216	14899	4.992	ng/ul	93
40) Hexachlorocyclopentadiene	12.693	237	5930	4.402	ng/ul#	94
41) 2,4,6-Trichlorophenol	12.964	196	7839	4.663	ng/ul	91
42) 2,4,5-Trichlorophenol	13.040	196	8701	4.915	ng/ul	95
43) 1,1'-Biphenyl	13.357	154	29701	5.081	ng/ul	98
44) 2-Chloronaphthalene	13.393	162	22962	4.992	ng/ul	94
45) 2-Nitroaniline	13.598	65	8962	4.721	ng/ul	98
47) Dimethylphthalate	13.974	163	36045	4.933	ng/ul	98
48) 2,6-Dinitrotoluene	14.098	165	6904	4.818	ng/ul	95
50) Acenaphthylene	14.245	152	41604	5.148	ng/ul	98
51) 3-Nitroaniline	14.433	138	6661	5.356	ng/ul	99
52) Acenaphthene	14.585	153	27275	5.144	ng/ul	94
53) 2,4-Dinitrophenol	14.656	184	3294	4.335	ng/ul	89
55) 4-Nitrophenol	14.762	109	5794	5.686	ng/ul	91
56) Dibenzofuran	14.920	168	38407	5.067	ng/ul	94
57) 2,4-Dinitrotoluene	14.891	165	10890	4.995	ng/ul#	96
58) 2,3,4,6-Tetrachlorophenol	15.161	232	6952	4.306	ng/ul#	97
59) Diethylphthalate	15.343	149	37312	5.171	ng/ul	97
61) Fluorene	15.572	166	34110	5.201	ng/ul	93
62) 4-Chlorophenyl-phenyle...	15.567	204	20092	5.223	ng/ul	96
63) 4-Nitroaniline	15.590	138	6949	5.365	ng/ul#	75
66) 4,6-Dinitro-2-methylph...	15.666	198	7756m	4.907	ng/ul	
67) N-Nitrosodiphenylamine	15.778	169	31050	4.954	ng/ul	96
68) 4-Bromophenyl-phenylether	16.460	248	13872	4.695	ng/ul	95
69) Hexachlorobenzene	16.583	284	15101	4.598	ng/ul	96
70) Atrazine	16.730	200	15441	6.226	ng/ul#	96
71) Pentachlorophenol	16.941	266	5763m	5.042	ng/ul	
72) Phenanthrene	17.312	178	59890m	4.949	ng/ul	
74) Anthracene	17.406	178	56668	4.529	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.322	216	15147	4.596	ng/uL	99
76) Pentachlorobenzene	14.850	250	17341	4.759	ng/uL	92
77) Carbazole	17.676	167	51422	5.052	ng/ul	98
78) Di-n-butylphthalate	18.234	149	62958	4.937	ng/ul	99
80) Fluoranthene	19.327	202	78030	4.780	ng/ul	99
82) Pyrene	19.691	202	82658	4.878	ng/ul	99
83) Butylbenzylphthalate	20.578	149	28893	4.963	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.419	252	25502	4.533	ng/ul#	98
85) Benzo(a)anthracene	21.501	228	88933	4.863	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.419	149	42458	4.927	ng/ul#	99
87) Chrysene	21.565	228	83118	4.936	ng/ul	99
89) Di-n-octyl phthalate	22.582	149	71950	5.086	ng/ul	100
90) Benzo(b)fluoranthene	23.634	252	86528m	5.139	ng/ul	
91) Benzo(k)fluoranthene	23.692	252	85747	5.017	ng/ul	95
93) Benzo(a)pyrene	24.462	252	80627	5.043	ng/ul	95
94) Indeno(1,2,3-cd)pyrene	28.105	276	95592	4.944	ng/ul	99
95) Dibenzo(a,h)anthracene	28.152	278	80169	5.029	ng/ul	98
96) Benzo(g,h,i)perylene	29.198	276	77013	5.007	ng/ul#	96

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

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