Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103023\
Data File : BG059547.D
Acq On : 30 Oct 2023 15:20
Operator : MA/JU
Sample : 04696-01
Misc : SFAM-MDL-WATER-01
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 31 04:52:35 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102723.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Oct 28 03:56:42 2023
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-QT4-2023-07

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023

11/01/2023
Supervised By :mohammad ahmed

11/01/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.364	152	70789	20.000	ng/ul		0.00
20) Naphthalene-d8	11.213	136	321173	20.000	ng/ul	#	0.00
38) Acenaphthene-d10	14.991	164	203367	20.000	ng/ul		0.00
64) Phenanthrene-d10	17.747	188	506240m	20.000	ng/ul		0.00
79) Chrysene-d12	22.083	240	441818	20.000	ng/ul		0.00
88) Perylene-d12	25.696	264	492783	20.000	ng/ul	#	0.00
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.652	96	9222	4.874	ng/uL		0.00
4) Pyridine-d5	4.092	84	118117	22.341	ng/ul		0.00
7) Phenol-d5	7.471	99	166007	22.821	ng/ul		0.00
9) Bis-(2-Chloroethyl)eth...	7.682	67	71200	21.309	ng/ul		0.00
11) 2-Chlorophenol-d4	7.876	132	131177	22.228	ng/ul		0.00
15) 4-Methylphenol-d8	9.045	113	137732	23.865	ng/ul		0.00
21) Nitrobenzene-d5	9.556	128	65439	28.655	ng/ul		0.00
24) 2-Nitrophenol-d4	10.285	143	63954	27.280	ng/ul		0.00
28) 2,4-Dichlorophenol-d3	10.808	165	124080	24.022	ng/ul		0.00
31) 4-Chloroaniline-d4	11.354	131	189698	22.310	ng/ul		0.00
46) Dimethylphthalate-d6	14.386	166	369937	20.078	ng/ul		0.00
49) Acenaphthylene-d8	14.697	160	464014	21.460	ng/ul		0.00
54) 4-Nitrophenol-d4	15.156	143	79628	25.202	ng/ul		0.00
60) Fluorene-d10	15.978	176	377621	23.982	ng/ul		0.00
65) 4,6-Dinitro-2-methylph...	16.078	200	54024m	22.534	ng/ul		0.00
73) Anthracene-d10	17.841	188	598217	21.812	ng/ul		0.00
81) Pyrene-d10	20.115	212	664003	21.622	ng/ul		0.00
92) Benzo(a)pyrene-d12	25.444	264	681188	23.475	ng/ul		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.693	88	2253m	1.064	ng/uL		
5) Pyridine	4.110	79	20232	3.879	ng/ul	#	70
6) Benzaldehyde	7.500	77	17139	5.231	ng/ul		87
8) Phenol	7.494	94	25130	3.664	ng/ul	#	89
10) Bis(2-Chloroethyl)ether	7.776	93	17977	3.575	ng/ul		99
12) 2-Chlorophenol	7.911	128	22325	3.816	ng/ul	#	71
13) 2-Methylphenol	8.787	108	21405	3.744	ng/ul		88
14) 2,2'-oxybis(1-Chloropr...	8.875	45	15995	3.380	ng/ul	#	86
16) Acetophenone	9.210	105	37098	4.078	ng/ul	#	96
17) N-Nitroso-di-n-propyla...	9.169	70	13409	3.128	ng/ul	#	89
18) 4-Methylphenol	9.110	108	21389	3.516	ng/ul		99
19) Hexachloroethane	9.451	117	8752	3.766	ng/ul	#	82
22) Nitrobenzene	9.603	77	21113	4.283	ng/ul	#	94
23) Isophorone	10.109	82	44271	3.566	ng/ul	#	94
25) 2-Nitrophenol	10.314	139	11640	4.617	ng/ul		99
26) 2,4-Dimethylphenol	10.332	107	27042	4.078	ng/ul	#	77
27) Bis(2-Chloroethoxy)met...	10.596	93	22967	3.323	ng/ul		95
29) 2,4-Dichlorophenol	10.837	162	17252	3.452	ng/ul	#	79
30) Naphthalene	11.266	128	71191	3.556	ng/ul	#	93
32) 4-Chloroaniline	11.378	127	30522	3.779	ng/ul	#	78
33) Hexachlorobutadiene	11.489	225	12292	4.100	ng/ul		91
34) Caprolactam	12.148	113	7675m	4.198	ng/ul		
35) 4-Chloro-3-methylphenol	12.435	107	24503	4.110	ng/ul		97
36) 2-Methylnaphthalene	12.841	142	51796	3.761	ng/ul		92

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Supervised By :mohammad ahmed 11/01/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.064	142	50312	3.668	ng/ul#	83
39) 1,2,4,5-Tetrachloroben...	13.176	216	20943	3.570	ng/ul#	81
40) Hexachlorocyclopentadiene	13.135	237	13664	3.996	ng/ul#	88
41) 2,4,6-Trichlorophenol	13.417	196	15950	3.927	ng/ul#	77
42) 2,4,5-Trichlorophenol	13.487	196	16914	3.847	ng/ul#	82
43) 1,1'-Biphenyl	13.834	154	62567	3.401	ng/ul	99
44) 2-Chloronaphthalene	13.881	162	53320	3.729	ng/ul#	90
45) 2-Nitroaniline	14.086	65	11477	4.314	ng/ul#	90
47) Dimethylphthalate	14.433	163	62279	3.421	ng/ul	97
48) 2,6-Dinitrotoluene	14.574	165	10244	3.731	ng/ul#	85
50) Acenaphthylene	14.721	152	89405	3.589	ng/ul	93
51) 3-Nitroaniline	14.909	138	14028	4.099	ng/ul#	86
52) Acenaphthene	15.056	153	55552	3.421	ng/ul	92
53) 2,4-Dinitrophenol	15.103	184	6987	4.478	ng/ul	94
55) 4-Nitrophenol	15.173	109	16270	4.673	ng/ul	90
56) Dibenzofuran	15.385	168	78912	3.748	ng/ul	98
57) 2,4-Dinitrotoluene	15.350	165	16143m	4.179	ng/ul	
58) 2,3,4,6-Tetrachlorophenol	15.591	232	14950	4.332	ng/ul#	89
59) Diethylphthalate	15.779	149	77777	3.917	ng/ul#	95
61) Fluorene	16.037	166	71198	3.917	ng/ul	94
62) 4-Chlorophenyl-phenyle...	16.019	204	32604	4.197	ng/ul	92
63) 4-Nitroaniline	16.061	138	17203m	4.736	ng/ul	
66) 4,6-Dinitro-2-methylph...	16.096	198	10108m	4.001	ng/ul	
67) N-Nitrosodiphenylamine	16.237	169	62724	3.626	ng/ul	96
68) 4-Bromophenyl-phenylether	16.918	248	18461m	3.644	ng/ul	
69) Hexachlorobenzene	17.006	284	23546m	4.022	ng/ul	
70) Atrazine	17.171	200	23365m	4.359	ng/ul	
71) Pentachlorophenol	17.359	266	14516m	4.340	ng/ul	
72) Phenanthrene	17.782	178	117683m	3.576	ng/ul	
74) Anthracene	17.876	178	120451	3.625	ng/ul#	94
75) 1,2,3,4-Tetrachloroben...	13.793	216	21206	3.146	ng/uL#	78
76) Pentachlorobenzene	15.279	250	23162	3.621	ng/uL	93
77) Carbazole	18.146	167	122353	4.286	ng/ul#	91
78) Di-n-butylphthalate	18.663	149	141040	3.596	ng/ul	98
80) Fluoranthene	19.780	202	132511	3.540	ng/ul	99
82) Pyrene	20.144	202	147903	3.804	ng/ul#	96
83) Butylbenzylphthalate	21.008	149	66717	3.799	ng/ul#	86
84) 3,3'-Dichlorobenzidine	21.971	252	46504m	4.048	ng/ul	
85) Benzo(a)anthracene	22.059	228	129933	3.574	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.907	149	102882	3.926	ng/ul#	95
87) Chrysene	22.136	228	123560	3.653	ng/ul	98
89) Di-n-octyl phthalate	23.264	149	179893	4.170	ng/ul	100
90) Benzo(b)fluoranthene	24.521	252	130774	3.661	ng/ul	96
91) Benzo(k)fluoranthene	24.598	252	127254m	3.567	ng/ul	
93) Benzo(a)pyrene	25.520	252	122815m	3.638	ng/ul	
94) Indeno(1,2,3-cd)pyrene	29.891	276	126994m	2.968	ng/ul	
95) Dibenzo(a,h)anthracene	29.980	278	114762m	3.247	ng/ul	
96) Benzo(g,h,i)perylene	31.213	276	120077m	3.428	ng/ul	

11/01/2023 Supervised By :mohammad ahmed

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

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