Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102023\
Data File : BG059503.D
Acq On : 20 Oct 2023 15:18
Operator : MA/JU
Sample : 03573-04
Misc : SFAM-MDL-WATER-01
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 21 00:18:03 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG101923.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 20 03:52:07 2023
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-QT3-2023-06

Manual Integrations APPROVED

Reviewed By :Yogesh Patel
10/23/2023
Supervised By :mohammad ahmed
10/23/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.187	152	42257	20.000	ng/ul	0.00
20) Naphthalene-d8	11.031	136	192114	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.827	164	124360	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.576	188	281944	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.871	240	274576	20.000	ng/ul	0.00
88) Perylene-d12	25.314	264	304989	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.475	96	7496	5.596	ng/uL	0.00
4) Pyridine-d5	3.910	84	129406	28.133	ng/ul	0.00
7) Phenol-d5	7.318	99	113106	26.861	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.512	67	67726	28.060	ng/ul	0.00
11) 2-Chlorophenol-d4	7.705	132	82345	24.482	ng/ul	0.00
15) 4-Methylphenol-d8	8.881	113	117745	32.458	ng/ul	0.00
21) Nitrobenzene-d5	9.386	128	59272	31.615	ng/ul	0.00
24) 2-Nitrophenol-d4	10.109	143	59746	32.375	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.631	165	79471	23.277	ng/ul	0.00
31) 4-Chloroaniline-d4	11.178	131	120735	23.815	ng/ul	0.00
46) Dimethylphthalate-d6	14.227	166	261116	21.622	ng/ul	0.00
49) Acenaphthylene-d8	14.533	160	316128	22.739	ng/ul	0.00
54) 4-Nitrophenol-d4	15.020	143	41963	21.183	ng/ul	0.00
60) Fluorene-d10	15.820	176	242761	23.542	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.931	200	40927	21.584	ng/ul	0.00
73) Anthracene-d10	17.676	188	348623	22.454	ng/ul	0.00
81) Pyrene-d10	19.956	212	434462	24.115	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.073	264	449878	25.776	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.510	88	1799m	1.180	ng/uL	
5) Pyridine	3.933	79	21204	4.450	ng/ul#	81
6) Benzaldehyde	7.335	77	11586	6.111	ng/ul	92
8) Phenol	7.341	94	17110	4.110	ng/ul	96
10) Bis(2-Chloroethyl)ether	7.606	93	14048	3.909	ng/ul#	91
12) 2-Chlorophenol	7.735	128	13984	4.124	ng/ul	91
13) 2-Methylphenol	8.616	108	12006	3.393	ng/ul	93
14) 2,2'-oxybis(1-Chloropr...	8.710	45	33699m	4.208	ng/ul	
16) Acetophenone	9.027	105	29957	5.470	ng/ul#	85
17) N-Nitroso-di-n-propyla...	8.992	70	14931	5.248	ng/ul#	96
18) 4-Methylphenol	8.939	108	19789	5.173	ng/ul	84
19) Hexachloroethane	9.268	117	7379	5.289	ng/ul#	87
22) Nitrobenzene	9.427	77	23486	5.441	ng/ul#	87
23) Isophorone	9.932	82	44313	5.352	ng/ul	96
25) 2-Nitrophenol	10.144	139	9266	4.770	ng/ul	93
26) 2,4-Dimethylphenol	10.161	107	14105	3.823	ng/ul	92
27) Bis(2-Chloroethoxy)met...	10.420	93	19545	3.798	ng/ul	93
29) 2,4-Dichlorophenol	10.667	162	12183	3.550	ng/ul#	91
30) Naphthalene	11.084	128	48078	3.982	ng/ul	96
32) 4-Chloroaniline	11.201	127	19490	4.052	ng/ul#	81
33) Hexachlorobutadiene	11.313	225	8853	4.022	ng/ul#	83
34) Caprolactam	11.989	113	3972m	3.694	ng/ul	
35) 4-Chloro-3-methylphenol	12.283	107	11943	3.541	ng/ul#	91
36) 2-Methylnaphthalene	12.670	142	30182	3.788	ng/ul	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.888	142	31925	3.931	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	13.017	216	14777	3.527	ng/ul#	88
40) Hexachlorocyclopentadiene	12.964	237	7858	3.364	ng/ul#	91
41) 2,4,6-Trichlorophenol	13.258	196	9158m	3.560	ng/ul	
42) 2,4,5-Trichlorophenol	13.328	196	9917m	3.371	ng/ul	
43) 1,1'-Biphenyl	13.663	154	44228	3.796	ng/ul	99
44) 2-Chloronaphthalene	13.716	162	32019	3.495	ng/ul	98
45) 2-Nitroaniline	13.934	65	9595	3.213	ng/ul#	78
47) Dimethylphthalate	14.268	163	41799	3.506	ng/ul#	97
48) 2,6-Dinitrotoluene	14.415	165	7642	3.256	ng/ul	94
50) Acenaphthylene	14.562	152	52992	3.540	ng/ul#	91
51) 3-Nitroaniline	14.756	138	8180	3.616	ng/ul#	66
52) Acenaphthene	14.891	153	36917	3.827	ng/ul	95
53) 2,4-Dinitrophenol	14.962	184	6884	5.782	ng/ul#	79
55) 4-Nitrophenol	15.032	109	4853	3.535	ng/ul#	68
56) Dibenzofuran	15.226	168	50236	3.863	ng/ul	96
57) 2,4-Dinitrotoluene	15.197	165	11392	3.547	ng/ul#	88
58) 2,3,4,6-Tetrachlorophenol	15.438	232	10280	3.901	ng/ul#	90
59) Diethylphthalate	15.614	149	40417	3.714	ng/ul#	95
61) Fluorene	15.872	166	41031	3.769	ng/ul#	89
62) 4-Chlorophenyl-phenyle...	15.855	204	20661	3.720	ng/ul	96
63) 4-Nitroaniline	15.919	138	8273	3.776	ng/ul#	64
66) 4,6-Dinitro-2-methylph...	15.949	198	7773	3.865	ng/ul#	98
67) N-Nitrosodiphenylamine	16.078	169	32153	3.691	ng/ul	97
68) 4-Bromophenyl-phenylether	16.754	248	11520	3.623	ng/ul#	73
69) Hexachlorobenzene	16.848	284	14730	4.089	ng/ul#	91
70) Atrazine	17.006	200	12930	4.162	ng/ul	96
71) Pentachlorophenol	17.206	266	12082	5.972	ng/ul#	76
72) Phenanthrene	17.623	178	72583	3.945	ng/ul	95
74) Anthracene	17.711	178	72465	3.826	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.628	216	14787	3.565	ng/uL#	93
76) Pentachlorobenzene	15.120	250	17141	4.219	ng/uL	98
77) Carbazole	17.993	167	61543	4.054	ng/ul	95
78) Di-n-butylphthalate	18.493	149	70438	3.801	ng/ul	98
80) Fluoranthene	19.615	202	84308	3.795	ng/ul	97
82) Pyrene	19.985	202	91922	3.925	ng/ul#	96
83) Butylbenzylphthalate	20.831	149	29727	3.657	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.771	252	33556	4.555	ng/ul#	93
85) Benzo(a)anthracene	21.848	228	86585	3.810	ng/ul#	92
86) Bis(2-ethylhexyl)phtha...	21.677	149	45082	3.801	ng/ul#	99
87) Chrysene	21.918	228	83554	3.933	ng/ul	93
89) Di-n-octyl phthalate	22.958	149	75864	4.117	ng/ul	100
90) Benzo(b)fluoranthene	24.198	252	89419m	4.118	ng/ul	
91) Benzo(k)fluoranthene	24.268	252	88220	3.929	ng/ul	98
93) Benzo(a)pyrene	25.150	252	84406	4.080	ng/ul#	92
94) Indeno(1,2,3-cd)pyrene	29.280	276	92144m	3.913	ng/ul	
95) Dibenzo(a,h)anthracene	29.357	278	75410m	3.938	ng/ul	
96) Benzo(g,h,i)perylene	30.555	276	77090m	3.899	ng/ul	

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

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