Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082021\
Data File : BG049910.D
Acq On : 20 Aug 2021 15:05
Operator : CG/JU
Sample : M2250-06
Misc : SFAM-MDL-ME-SOIL-02
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 20 15:40:59 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 20 10:07:50 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-MED-SOIL-QT3-2021-06

Manual Integrations APPROVED
mohammad
8/23/2021 12:25:52 PM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.979	152	26622	20.000	ng/ul	0.00
20) Naphthalene-d8	10.798	136	110856	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.634	164	81252	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.390	188	174828	20.000	ng/ul	0.00
79) Chrysene-d12	21.660	240	181911	20.000	ng/ul	0.00
88) Perylene-d12	24.891	264	179985	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.344	96	2650	5.133	ng/uL	0.00
4) Pyridine-d5	3.773	84	27224	17.507	ng/ul	0.00
7) Phenol-d5	7.145	99	49772	22.017	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.303	67	28973	23.069	ng/ul	0.00
11) 2-Chlorophenol-d4	7.509	132	39512	23.359	ng/ul	0.00
15) 4-Methylphenol-d8	8.695	113	39136	21.982	ng/ul	0.00
21) Nitrobenzene-d5	9.154	128	20462	23.808	ng/ul	0.00
24) 2-Nitrophenol-d4	9.882	143	23058	22.531	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.422	165	39409	21.590	ng/ul	0.00
31) 4-Chloroaniline-d4	10.934	131	52687	21.207	ng/ul	0.00
46) Dimethylphthalate-d6	14.035	166	137533	22.117	ng/ul	0.00
49) Acenaphthylene-d8	14.329	160	155356	21.308	ng/ul	0.00
54) 4-Nitrophenol-d4	14.852	143	16508	18.349	ng/ul	0.00
60) Fluorene-d10	15.627	176	115686	21.942	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.756	200	22070	19.622	ng/ul	-0.01
73) Anthracene-d10	17.489	188	181212	23.082	ng/ul	0.00
81) Pyrene-d10	19.780	212	218508	22.228	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.668	264	229053	23.988	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.379	88	763	1.212	ng/uL	94
5) Pyridine	3.796	79	6043m	3.596	ng/ul	
6) Benzaldehyde	7.121	77	6236	4.794	ng/ul#	83
8) Phenol	7.168	94	8470	3.709	ng/ul	95
10) Bis(2-Chloroethyl)ether	7.391	93	5795	3.676	ng/ul	89
12) 2-Chlorophenol	7.544	128	6227	3.725	ng/ul#	81
13) 2-Methylphenol	8.425	108	5835	3.312	ng/ul	85
14) 2,2'-oxybis(1-Chloropr...	8.502	45	6105	3.693	ng/ul	94
16) Acetophenone	8.807	105	10932	3.765	ng/ul#	93
17) N-Nitroso-di-n-propyla...	8.784	70	5530	3.793	ng/ul	92
18) 4-Methylphenol	8.766	108	6133	3.236	ng/ul#	57
19) Hexachloroethane	9.060	117	3028	4.139	ng/ul	95
22) Nitrobenzene	9.189	77	9074	3.896	ng/ul#	78
23) Isophorone	9.718	82	15238	3.672	ng/ul#	92
25) 2-Nitrophenol	9.911	139	3470	3.488	ng/ul	90
26) 2,4-Dimethylphenol	9.970	107	8275	3.742	ng/ul	93
27) Bis(2-Chloroethoxy)met...	10.199	93	8464	3.950	ng/ul	99
29) 2,4-Dichlorophenol	10.452	162	6382	3.809	ng/ul#	88
30) Naphthalene	10.851	128	20350	3.673	ng/ul#	95
32) 4-Chloroaniline	10.963	127	8334	3.483	ng/ul#	78
33) Hexachlorobutadiene	11.127	225	4576	3.376	ng/ul#	88
34) Caprolactam	11.750	113	1981m	3.376	ng/ul	
35) 4-Chloro-3-methylphenol	12.097	107	7552	3.772	ng/ul#	87
36) 2-Methylnaphthalene	12.461	142	15490	3.761	ng/ul	88

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ALS Vial : 7 Sample Multiplier: 1

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.678	142	15612	3.755	ng/ul#	91
39) 1,2,4,5-Tetrachloroben...	12.831	216	9060	3.796	ng/ul#	95
40) Hexachlorocyclopentadiene	12.807	237	4653	4.356	ng/ul#	91
41) 2,4,6-Trichlorophenol	13.078	196	5015	3.298	ng/ul#	81
42) 2,4,5-Trichlorophenol	13.160	196	5468m	3.430	ng/ul	
43) 1,1'-Biphenyl	13.460	154	20138	3.548	ng/ul	92
44) 2-Chloronaphthalene	13.512	162	15687	3.440	ng/ul#	93
45) 2-Nitroaniline	13.718	65	4944	3.194	ng/ul	96
47) Dimethylphthalate	14.082	163	22251	3.616	ng/ul#	94
48) 2,6-Dinitrotoluene	14.211	165	4291	3.377	ng/ul	89
50) Acenaphthylene	14.358	152	26213	3.934	ng/ul	94
51) 3-Nitroaniline	14.546	138	4480	3.654	ng/ul#	92
52) Acenaphthene	14.699	153	17819	3.686	ng/ul	97
53) 2,4-Dinitrophenol	14.775	184	2946m	4.540	ng/ul	
55) 4-Nitrophenol	14.864	109	4665m	4.090	ng/ul	
56) Dibenzofuran	15.040	168	25749	3.846	ng/ul	100
57) 2,4-Dinitrotoluene	15.005	165	6081	3.327	ng/ul#	86
58) 2,3,4,6-Tetrachlorophenol	15.269	232	3923m	2.970	ng/ul	
59) Diethylphthalate	15.445	149	22209	3.528	ng/ul#	95
61) Fluorene	15.686	166	20310	3.596	ng/ul	89
62) 4-Chlorophenyl-phenyle...	15.680	204	10856	3.633	ng/ul	93
63) 4-Nitroaniline	15.709	138	5086	4.157	ng/ul#	73
66) 4,6-Dinitro-2-methylph...	15.774	198	3050m	2.992	ng/ul	
67) N-Nitrosodiphenylamine	15.892	169	17891	3.887	ng/ul	93
68) 4-Bromophenyl-phenylether	16.573	248	7504	3.880	ng/ul	95
69) Hexachlorobenzene	16.696	284	8566	3.836	ng/ul#	91
70) Atrazine	16.837	200	7367	3.603	ng/ul#	92
71) Pentachlorophenol	17.049	266	3951m	4.178	ng/ul	
72) Phenanthrene	17.431	178	33166	3.805	ng/ul	96
74) Anthracene	17.525	178	33767m	3.823	ng/ul	
75) 1,2,3,4-Tetrachloroben...	13.436	216	8733	3.723	ng/uL	89
76) Pentachlorobenzene	14.958	250	9328	3.753	ng/uL	91
77) Carbazole	17.795	167	29262	3.723	ng/ul#	94
78) Di-n-butylphthalate	18.341	149	37618	3.743	ng/ul#	95
80) Fluoranthene	19.446	202	41599	3.429	ng/ul	99
82) Pyrene	19.804	202	42274	3.517	ng/ul	99
83) Butylbenzylphthalate	20.685	149	17144	3.614	ng/ul#	84
84) 3,3'-Dichlorobenzidine	21.554	252	15807	3.666	ng/ul#	99
85) Benzo(a)anthracene	21.643	228	41919	3.698	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.537	149	23581	3.620	ng/ul#	98
87) Chrysene	21.707	228	41273	3.852	ng/ul	99
89) Di-n-octyl phthalate	22.741	149	38825	3.636	ng/ul	100
90) Benzo(b)fluoranthene	23.857	252	43090	3.743	ng/ul#	95
91) Benzo(k)fluoranthene	23.928	252	40748m	3.723	ng/ul	
93) Benzo(a)pyrene	24.744	252	38886m	3.889	ng/ul	
94) Indeno(1,2,3-cd)pyrene	28.580	276	47822m	3.626	ng/ul	
95) Dibenzo(a,h)anthracene	28.633	278	40103m	3.632	ng/ul	
96) Benzo(g,h,i)perylene	29.726	276	38755m	3.495	ng/ul	

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

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