Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082021\
Data File : BG049909.D
Acq On : 20 Aug 2021 14:24
Operator : CG/JU
Sample : M2250-04
Misc : SFAM-MDL-SOIL-02
ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations APPROVED
mohammad
8/23/2021 12:25:49 PM

Quant Time: Aug 20 14:59:20 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.977	152	22245	20.000	ng/ul	0.00
20) Naphthalene-d8	10.803	136	94380	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.639	164	68877	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.394	188	158901	20.000	ng/ul	0.00
79) Chrysene-d12	21.665	240	183250	20.000	ng/ul	0.00
88) Perylene-d12	24.896	264	178428	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.348	96	2355	5.459	ng/uL	0.00
4) Pyridine-d5	3.777	84	22317	17.175	ng/ul	0.00
7) Phenol-d5	7.143	99	43121	22.828	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.302	67	26181	24.948	ng/ul	0.00
11) 2-Chlorophenol-d4	7.513	132	32803	23.209	ng/ul	0.00
15) 4-Methylphenol-d8	8.700	113	33612	22.594	ng/ul	0.00
21) Nitrobenzene-d5	9.152	128	16818	22.985	ng/ul	0.00
24) 2-Nitrophenol-d4	9.875	143	20460	23.483	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.427	165	33764	21.727	ng/ul	0.00
31) 4-Chloroaniline-d4	10.938	131	45674	21.593	ng/ul	0.00
46) Dimethylphthalate-d6	14.040	166	120754	22.908	ng/ul	0.00
49) Acenaphthylene-d8	14.333	160	135368	21.902	ng/ul	0.00
54) 4-Nitrophenol-d4	14.856	143	15240	19.983	ng/ul	0.00
60) Fluorene-d10	15.632	176	102620	22.961	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.761	200	20866	20.411	ng/ul	0.00
73) Anthracene-d10	17.488	188	167151	23.425	ng/ul	0.00
81) Pyrene-d10	19.779	212	210160	21.223	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.666	264	227566	24.040	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.384	88	681m	1.295	ng/uL	
5) Pyridine	3.795	79	4723m	3.363	ng/ul	
6) Benzaldehyde	7.120	77	5840	5.372	ng/ul#	84
8) Phenol	7.173	94	6931	3.633	ng/ul	93
10) Bis(2-Chloroethyl)ether	7.396	93	4753	3.609	ng/ul	93
12) 2-Chlorophenol	7.548	128	5252	3.760	ng/ul#	79
13) 2-Methylphenol	8.436	108	5380	3.655	ng/ul	92
14) 2,2'-oxybis(1-Chloropr...	8.518	45	5771m	4.178	ng/ul	
16) Acetophenone	8.812	105	9348	3.853	ng/ul	94
17) N-Nitroso-di-n-propyla...	8.788	70	5121	4.204	ng/ul#	87
18) 4-Methylphenol	8.770	108	6028	3.807	ng/ul#	75
19) Hexachloroethane	9.064	117	2518	4.120	ng/ul	89
22) Nitrobenzene	9.199	77	8061	4.066	ng/ul#	81
23) Isophorone	9.716	82	13839	3.918	ng/ul	96
25) 2-Nitrophenol	9.916	139	3256	3.844	ng/ul	92
26) 2,4-Dimethylphenol	9.975	107	7799	4.143	ng/ul	97
27) Bis(2-Chloroethoxy)met...	10.204	93	6490	3.558	ng/ul	97
29) 2,4-Dichlorophenol	10.462	162	4939	3.463	ng/ul#	85
30) Naphthalene	10.856	128	17510	3.712	ng/ul#	91
32) 4-Chloroaniline	10.967	127	7661	3.761	ng/ul#	75
33) Hexachlorobutadiene	11.132	225	4188	3.630	ng/ul#	84
34) Caprolactam	11.743	113	1797m	3.597	ng/ul	
35) 4-Chloro-3-methylphenol	12.107	107	6231m	3.655	ng/ul	
36) 2-Methylnaphthalene	12.465	142	13671	3.899	ng/ul	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.677	142	13146	3.714	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.835	216	7903	3.907	ng/ul#	83
40) Hexachlorocyclopentadiene	12.812	237	3885	4.291	ng/ul#	92
41) 2,4,6-Trichlorophenol	13.082	196	4397	3.411	ng/ul	83
42) 2,4,5-Trichlorophenol	13.159	196	4186m	3.098	ng/ul	
43) 1,1'-Biphenyl	13.470	154	17610	3.660	ng/ul	97
44) 2-Chloronaphthalene	13.517	162	13298	3.440	ng/ul	96
45) 2-Nitroaniline	13.723	65	5044	3.844	ng/ul#	74
47) Dimethylphthalate	14.087	163	18930	3.629	ng/ul#	96
48) 2,6-Dinitrotoluene	14.210	165	3901	3.622	ng/ul#	85
50) Acenaphthylene	14.363	152	21970	3.889	ng/ul	97
51) 3-Nitroaniline	14.551	138	3445	3.315	ng/ul#	64
52) Acenaphthene	14.704	153	14404	3.515	ng/ul	96
53) 2,4-Dinitrophenol	14.774	184	2174	3.952	ng/ul#	77
55) 4-Nitrophenol	14.868	109	4412	4.563	ng/ul#	86
56) Dibenzofuran	15.038	168	21856	3.852	ng/ul	97
57) 2,4-Dinitrotoluene	15.009	165	5416	3.496	ng/ul#	99
58) 2,3,4,6-Tetrachlorophenol	15.279	232	3887	3.472	ng/ul#	73
59) Diethylphthalate	15.450	149	20346	3.812	ng/ul#	94
61) Fluorene	15.685	166	17555	3.667	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.679	204	9298	3.671	ng/ul	90
63) 4-Nitroaniline	15.714	138	4058	3.913	ng/ul	90
66) 4,6-Dinitro-2-methylph...	15.773	198	3202	3.456	ng/ul#	73
67) N-Nitrosodiphenylamine	15.890	169	15864	3.792	ng/ul	98
68) 4-Bromophenyl-phenylether	16.572	248	6687	3.804	ng/ul	92
69) Hexachlorobenzene	16.695	284	7572	3.730	ng/ul	93
70) Atrazine	16.836	200	7247	3.899	ng/ul#	90
71) Pentachlorophenol	17.059	266	3176	3.695	ng/ul	87
72) Phenanthrene	17.429	178	30186	3.811	ng/ul	99
74) Anthracene	17.523	178	31951	3.980	ng/ul#	94
75) 1,2,3,4-Tetrachloroben...	13.441	216	7426	3.483	ng/uL#	88
76) Pentachlorobenzene	14.962	250	7939	3.514	ng/uL	93
77) Carbazole	17.799	167	28501	3.990	ng/ul	93
78) Di-n-butylphthalate	18.346	149	36353	3.979	ng/ul#	97
80) Fluoranthene	19.444	202	40760	3.336	ng/ul#	95
82) Pyrene	19.808	202	40861	3.374	ng/ul	100
83) Butylbenzylphthalate	20.684	149	16838	3.524	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.559	252	15204	3.500	ng/ul	94
85) Benzo(a)anthracene	21.641	228	42669	3.737	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.535	149	22961	3.499	ng/ul#	98
87) Chrysene	21.712	228	41680	3.862	ng/ul	95
89) Di-n-octyl phthalate	22.746	149	38705	3.657	ng/ul	100
90) Benzo(b)fluoranthene	23.862	252	43111	3.777	ng/ul#	98
91) Benzo(k)fluoranthene	23.932	252	41423	3.818	ng/ul	98
93) Benzo(a)pyrene	24.737	252	36165	3.649	ng/ul#	99
94) Indeno(1,2,3-cd)pyrene	28.567	276	46484m	3.555	ng/ul	
95) Dibenzo(a,h)anthracene	28.643	278	37693m	3.444	ng/ul	
96) Benzo(g,h,i)perylene	29.736	276	38666m	3.518	ng/ul	

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

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