Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072720\
Data File : BG046081.D
Acq On : 27 Jul 2020 10:17
Operator : CG/JU
Sample : L1955-04
Misc : MDL-SOIL-04
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-04

Manual Integrations APPROVED
mohammad
7/28/2020 11:42:40 AM

Quant Time: Jul 27 11:09:37 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG072320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 27 10:02:22 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	84754	20.00	ng/ul	0.00
18) Naphthalene-d8	10.76	136	350427	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.59	164	247191	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.33	188	584919	20.00	ng/ul	0.00
78) Chrysene-d12	21.57	240	618007	20.00	ng/ul	0.00
86) Perylene-d12	24.69	264	682981	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.42	96	3183	1.85	ng/uL	0.00
5) Phenol-d5	7.13	99	179095	26.93	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.28	67	113893	27.64	ng/ul	0.00
9) 2-Chlorophenol-d4	7.50	132	147830	27.77	ng/ul	0.00
13) 4-Methylphenol-d8	8.67	113	146737	26.15	ng/ul	0.00
19) Nitrobenzene-d5	9.11	128	72641	29.36	ng/ul	0.00
22) 2-Nitrophenol-d4	9.83	143	75196	29.74	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.37	165	157284	27.48	ng/ul	0.00
29) 4-Chloroaniline-d4	10.89	131	215539	33.44	ng/ul	0.00
44) Dimethylphthalate-d6	13.99	166	566911	29.41	ng/ul	0.00
47) Acenaphthylene-d8	14.28	160	662036	28.94	ng/ul	0.00
52) 4-Nitrophenol-d4	14.77	143	84261	26.76	ng/ul	0.00
58) Fluorene-d10	15.58	176	497721	28.37	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.69	200	73931	25.26	ng/ul	0.00
71) Anthracene-d10	17.43	188	784341	29.08	ng/ul	0.00
79) Pyrene-d10	19.71	212	971633	29.73	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.48	264	1009401	26.67	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.46	88	3796	1.807	ng/uL#	85
4) Benzaldehyde	7.10	77	10750	2.267	ng/ul	96
6) Phenol	7.15	94	25761	3.760	ng/ul	95
8) Bis(2-Chloroethyl)ether	7.38	93	21396	3.816	ng/ul	88
10) 2-Chlorophenol	7.53	128	21656	4.013	ng/ul	94
11) 2-Methylphenol	8.40	108	19160	3.471	ng/ul	92
12) 2,2'-oxybis(1-Chloropropan	8.49	45	38118	4.022	ng/ul	99
14) Acetophenone	8.78	105	34299	4.143	ng/ul	98
15) N-Nitroso-di-n-propylamine	8.76	70	17842	3.983	ng/ul	97
16) 4-Methylphenol	8.73	108	22406	3.788	ng/ul	95
17) Hexachloroethane	9.05	117	8620	3.764	ng/ul	99
20) Nitrobenzene	9.15	77	25248	3.972	ng/ul	93
21) Isophorone	9.68	82	46024	3.705	ng/ul	95
23) 2-Nitrophenol	9.86	139	11269	3.981	ng/ul	95
24) 2,4-Dimethylphenol	9.93	107	21495	3.427	ng/ul	95
25) Bis(2-Chloroethoxy)methane	10.16	93	29355	3.736	ng/ul	98
27) 2,4-Dichlorophenol	10.40	162	22283	3.950	ng/ul	95
28) Naphthalene	10.81	128	74097	3.951	ng/ul	97
30) 4-Chloroaniline	10.91	127	27761	4.478	ng/ul	98
31) Hexachlorobutadiene	11.11	225	17469	4.024	ng/ul	97
32) Caprolactam	11.68	113	6458m	3.396	ng/ul	
33) 4-Chloro-3-methylphenol	12.03	107	19371	3.349	ng/ul	99
34) 2-Methylnaphthalene	12.41	142	57652	4.089	ng/ul	94

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35) 1-Methylnaphthalene	12.63	142	56671	4.070	ng/uL	99
37) 1,2,4,5-Tetrachlorobenzene	12.78	216	34096	3.990	ng/ul	99
38) Hexachlorocyclopentadiene	12.77	237	12042	2.461	ng/ul	99
39) 2,4,6-Trichlorophenol	13.02	196	15743	3.151	ng/ul	96
40) 2,4,5-Trichlorophenol	13.10	196	17557	3.233	ng/ul	95
41) 1,1'-Biphenyl	13.42	154	78906	4.126	ng/ul	97
42) 2-Chloronaphthalene	13.46	162	61325	4.019	ng/ul	98
43) 2-Nitroaniline	13.65	65	13020	3.620	ng/ul	92
45) Dimethylphthalate	14.04	163	80020	4.139	ng/ul	98
46) 2,6-Dinitrotoluene	14.15	165	13446	3.647	ng/ul	97
48) Acenaphthylene	14.31	152	94340	4.030	ng/ul	100
49) 3-Nitroaniline	14.48	138	10909	3.141	ng/ul	87
50) Acenaphthene	14.65	153	66529	3.947	ng/ul	93
51) 2,4-Dinitrophenol	14.68	184	4393	2.691	ng/ul#	79
53) 4-Nitrophenol	14.79	109	7898	3.496	ng/ul	87
54) Dibenzofuran	14.98	168	96309	4.190	ng/ul	100
55) 2,4-Dinitrotoluene	14.93	165	19360	3.687	ng/ul#	94
56) 2,3,4,6-Tetrachlorophenol	15.21	232	17962	3.547	ng/ul#	92
57) Diethylphthalate	15.40	149	76940	4.029	ng/ul	99
59) Fluorene	15.63	166	80222	4.116	ng/ul	94
60) 4-Chlorophenyl-phenylether	15.63	204	42503	4.150	ng/ul	99
61) 4-Nitroaniline	15.64	138	11305m	2.920	ng/ul	
64) 4,6-Dinitro-2-methylphenol	15.70	198	11588	3.716	ng/ul#	89
65) N-Nitrosodiphenylamine	15.84	169	67224	3.953	ng/ul	97
66) 4-Bromophenyl-phenylether	16.52	248	29635	4.077	ng/ul	97
67) Hexachlorobenzene	16.64	284	32776	3.995	ng/ul	96
68) Atrazine	16.78	200	27034	3.976	ng/ul	99
69) Pentachlorophenol	16.98	266	13126m	3.001	ng/ul	
70) Phenanthrene	17.37	178	138431	4.241	ng/ul	98
72) Anthracene	17.46	178	134231	4.127	ng/ul	97
73) 1,2,3,4-Tetrachlorobenzene	13.39	216	36331	4.136	ng/uL	98
74) Pentachlorobenzene	14.91	250	35196	3.968	ng/uL	95
75) Carbazole	17.73	167	115275	4.416	ng/ul	98
76) Di-n-butylphthalate	18.30	149	127793	3.979	ng/ul	99
77) Fluoranthene	19.38	202	177609	4.960	ng/ul	99
80) Pyrene	19.74	202	176367	4.220	ng/ul	97
81) Butylbenzylphthalate	20.63	149	53425	3.725	ng/ul	98
82) 3,3'-Dichlorobenzidine	21.47	252	50640	3.818	ng/ul	100
83) Benzo(a)anthracene	21.56	228	181678	4.464	ng/ul	97
84) Bis(2-ethylhexyl)phthalate	21.49	149	77393	3.709	ng/ul	93
85) Chrysene	21.62	228	173452	4.384	ng/ul	98
87) Di-n-octyl phthalate	22.67	149	123452	3.459	ng/ul	100
88) Benzo(b)fluoranthene	23.71	252	173735	3.765	ng/ul	98
89) Benzo(k)fluoranthene	23.77	252	177520	3.918	ng/ul	95
91) Benzo(a)pyrene	24.54	252	167491	3.958	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	28.21	276	187192	3.542	ng/ul	99
93) Dibenzo(a,h)anthracene	28.27	278	154293	3.569	ng/ul	98
94) Benzo(g,h,i)perylene	29.29	276	163085	3.651	ng/ul	97

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

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