Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072720\
Data File : BG046083.D
Acq On : 27 Jul 2020 11:37
Operator : CG/JU
Sample : L1955-05
Misc : MDL-SOIL-05
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MDL-SOIL-05

Manual Integrations APPROVED
mohammad
7/28/2020 11:42:43 AM

Quant Time: Jul 27 12:25:01 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	90350	20.00	ng/ul	0.00
18) Naphthalene-d8	10.76	136	383555	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.59	164	258808	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.33	188	574543	20.00	ng/ul	0.00
78) Chrysene-d12	21.57	240	586222	20.00	ng/ul	0.00
86) Perylene-d12	24.69	264	641230	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.42	96	3542	1.94	ng/uL	0.00
5) Phenol-d5	7.13	99	208968	29.47	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.29	67	129831	29.56	ng/ul	0.00
9) 2-Chlorophenol-d4	7.50	132	169332	29.84	ng/ul	0.00
13) 4-Methylphenol-d8	8.67	113	170491	28.50	ng/ul	0.00
19) Nitrobenzene-d5	9.11	128	83050	30.66	ng/ul	0.00
22) 2-Nitrophenol-d4	9.84	143	87849	31.74	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.38	165	178620	28.51	ng/ul	0.00
29) 4-Chloroaniline-d4	10.89	131	243830	34.56	ng/ul	0.00
44) Dimethylphthalate-d6	13.99	166	607090	30.08	ng/ul	0.00
47) Acenaphthylene-d8	14.28	160	728474	30.41	ng/ul	0.00
52) 4-Nitrophenol-d4	14.77	143	87448	26.53	ng/ul	0.00
58) Fluorene-d10	15.58	176	537196	29.24	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.69	200	74339	25.85	ng/ul	0.00
71) Anthracene-d10	17.43	188	804434	30.36	ng/ul	0.00
79) Pyrene-d10	19.71	212	964820	31.12	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.48	264	999132	28.11	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.46	88	3819	1.705	ng/uL#	69
4) Benzaldehyde	7.10	77	13486m	2.668	ng/ul	
6) Phenol	7.15	94	29557	4.047	ng/ul	94
8) Bis(2-Chloroethyl)ether	7.38	93	24542	4.106	ng/ul	95
10) 2-Chlorophenol	7.53	128	23759	4.130	ng/ul	96
11) 2-Methylphenol	8.40	108	20558	3.493	ng/ul	98
12) 2,2'-oxybis(1-Chloropropan	8.49	45	42134	4.171	ng/ul	96
14) Acetophenone	8.78	105	39112	4.432	ng/ul#	91
15) N-Nitroso-di-n-propylamine	8.77	70	19440	4.071	ng/ul	98
16) 4-Methylphenol	8.72	108	24355	3.863	ng/ul	96
17) Hexachloroethane	9.04	117	9594	3.930	ng/ul#	80
20) Nitrobenzene	9.15	77	27712	3.983	ng/ul#	96
21) Isophorone	9.68	82	51648	3.799	ng/ul	98
23) 2-Nitrophenol	9.87	139	12902	4.164	ng/ul	93
24) 2,4-Dimethylphenol	9.93	107	23773	3.462	ng/ul	93
25) Bis(2-Chloroethoxy)methane	10.16	93	33243	3.865	ng/ul	98
27) 2,4-Dichlorophenol	10.40	162	25277	4.094	ng/ul	95
28) Naphthalene	10.81	128	81797	3.985	ng/ul	98
30) 4-Chloroaniline	10.91	127	33393	4.921	ng/ul	93
31) Hexachlorobutadiene	11.11	225	18688	3.933	ng/ul	95
32) Caprolactam	11.69	113	6180m	2.969	ng/ul	
33) 4-Chloro-3-methylphenol	12.03	107	22115	3.493	ng/ul	99
34) 2-Methylnaphthalene	12.41	142	64749	4.196	ng/ul	97

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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
35) 1-Methylnaphthalene	12.63	142	62753	4.117 ng/uL	100
37) 1,2,4,5-Tetrachlorobenzene	12.78	216	38630	4.317 ng/ul	94
38) Hexachlorocyclopentadiene	12.77	237	13326	2.601 ng/ul	96
39) 2,4,6-Trichlorophenol	13.02	196	18313	3.501 ng/ul	93
40) 2,4,5-Trichlorophenol	13.09	196	19376	3.408 ng/ul	95
41) 1,1'-Biphenyl	13.42	154	88196	4.405 ng/ul	99
42) 2-Chloronaphthalene	13.46	162	69067	4.323 ng/ul	97
43) 2-Nitroaniline	13.65	65	13544	3.596 ng/ul	97
45) Dimethylphthalate	14.04	163	83311	4.115 ng/ul	98
46) 2,6-Dinitrotoluene	14.15	165	13698	3.548 ng/ul	98
48) Acenaphthylene	14.31	152	100953	4.119 ng/ul	99
49) 3-Nitroaniline	14.48	138	11732	3.226 ng/ul#	97
50) Acenaphthene	14.65	153	73393	4.159 ng/ul	96
51) 2,4-Dinitrophenol	14.69	184	3375	1.975 ng/ul	91
53) 4-Nitrophenol	14.78	109	8793m	3.717 ng/ul	
54) Dibenzofuran	14.98	168	104701	4.351 ng/ul	99
55) 2,4-Dinitrotoluene	14.93	165	20913	3.804 ng/ul	91
56) 2,3,4,6-Tetrachlorophenol	15.21	232	19307	3.642 ng/ul#	91
57) Diethylphthalate	15.40	149	81753	4.089 ng/ul	97
59) Fluorene	15.63	166	85029	4.166 ng/ul	97
60) 4-Chlorophenyl-phenylether	15.63	204	43455	4.053 ng/ul	99
61) 4-Nitroaniline	15.64	138	12690m	3.130 ng/ul	
64) 4,6-Dinitro-2-methylphenol	15.70	198	11281	3.683 ng/ul#	89
65) N-Nitrosodiphenylamine	15.83	169	71077	4.255 ng/ul	95
66) 4-Bromophenyl-phenylether	16.52	248	29935	4.193 ng/ul	95
67) Hexachlorobenzene	16.64	284	33648	4.175 ng/ul	94
68) Atrazine	16.79	200	26368	3.948 ng/ul	95
69) Pentachlorophenol	16.98	266	12752m	2.969 ng/ul	
70) Phenanthrene	17.37	178	139418	4.348 ng/ul	98
72) Anthracene	17.46	178	136511	4.273 ng/ul	97
73) 1,2,3,4-Tetrachlorobenzene	13.38	216	39679	4.599 ng/uL	91
74) Pentachlorobenzene	14.91	250	37487	4.302 ng/uL	99
75) Carbazole	17.73	167	114851	4.480 ng/ul	100
76) Di-n-butylphthalate	18.30	149	125506	3.979 ng/ul	97
77) Fluoranthene	19.38	202	171112	4.865 ng/ul	99
80) Pyrene	19.74	202	179295	4.523 ng/ul	99
81) Butylbenzylphthalate	20.63	149	51797	3.807 ng/ul	93
82) 3,3'-Dichlorobenzidine	21.47	252	48114	3.824 ng/ul	97
83) Benzo(a)anthracene	21.56	228	175008	4.533 ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.49	149	74268	3.752 ng/ul	95
85) Chrysene	21.62	228	168487	4.489 ng/ul	98
87) Di-n-octyl phthalate	22.67	149	122469	3.655 ng/ul	100
88) Benzo(b)fluoranthene	23.70	252	168690	3.894 ng/ul	97
89) Benzo(k)fluoranthene	23.77	252	169764	3.991 ng/ul	98
91) Benzo(a)pyrene	24.54	252	169632m	4.270 ng/ul	
92) Indeno(1,2,3-cd)pyrene	28.21	276	183187	3.692 ng/ul	98
93) Dibenzo(a,h)anthracene	28.27	278	151968	3.744 ng/ul	99
94) Benzo(g,h,i)perylene	29.29	276	157364m	3.753 ng/ul	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

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