Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071420\
Data File : BM026751.D
Acq On : 14 Jul 2020 14:07
Operator : JU/CG
Sample : L1955-03
Misc : MDL-SOIL-03
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03

Manual Integrations APPROVED
mohammad
7/20/2020 11:24:48 AM

Quant Time: Jul 16 16:11:37 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM063020MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 14 10:31:32 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.31	152	58710	20.00	ng/ul	0.00
18) Naphthalene-d8	10.06	136	233233	20.00	ng/ul	0.00
36) Acenaphthene-d10	13.97	164	147717	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.74	188	314782	20.00	ng/ul	0.00
78) Chrysene-d12	20.95	240	343600	20.00	ng/ul	0.00
86) Perylene-d12	23.02	264	408257	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.91	96	3197	1.64	ng/uL	0.00
5) Phenol-d5	6.52	99	149873	27.87	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.67	67	105750	29.08	ng/ul	0.00
9) 2-Chlorophenol-d4	6.85	132	116018	28.08	ng/ul	0.00
13) 4-Methylphenol-d8	8.04	113	115280	26.81	ng/ul	0.00
19) Nitrobenzene-d5	8.46	128	54324	29.45	ng/ul	0.00
22) 2-Nitrophenol-d4	9.17	143	60099	30.55	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.71	165	111158	28.86	ng/ul	0.00
29) 4-Chloroaniline-d4	10.22	131	149442	36.85	ng/ul	0.00
44) Dimethylphthalate-d6	13.40	166	355597	30.18	ng/ul	0.00
47) Acenaphthylene-d8	13.66	160	423168	29.72	ng/ul	0.00
52) 4-Nitrophenol-d4	14.24	143	46272	27.21	ng/ul	0.00
58) Fluorene-d10	14.98	176	295952	28.68	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.13	200	55679	28.31	ng/ul	0.00
71) Anthracene-d10	16.83	188	470733	30.37	ng/ul	0.00
79) Pyrene-d10	19.14	212	551506	30.89	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.89	264	626509	28.44	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.94	88	3108	1.469	ng/uL	95
4) Benzaldehyde	6.48	77	10465m	3.665	ng/ul	
6) Phenol	6.55	94	21103	3.570	ng/ul	90
8) Bis(2-Chloroethyl)ether	6.76	93	16504	3.667	ng/ul	88
10) 2-Chlorophenol	6.88	128	16402	3.601	ng/ul	88
11) 2-Methylphenol	7.78	108	14193	3.360	ng/ul	92
12) 2,2'-oxybis(1-Chloropropan	7.85	45	35128	4.023	ng/ul#	96
14) Acetophenone	8.14	105	26099	3.582	ng/ul	98
15) N-Nitroso-di-n-propylamine	8.12	70	14752	3.427	ng/ul	88
16) 4-Methylphenol	8.11	108	16161	3.442	ng/ul	97
17) Hexachloroethane	8.36	117	7062	3.499	ng/ul	94
20) Nitrobenzene	8.50	77	22331	3.839	ng/ul	99
21) Isophorone	9.02	82	36453	3.728	ng/ul	99
23) 2-Nitrophenol	9.20	139	8674	3.812	ng/ul	92
24) 2,4-Dimethylphenol	9.29	107	18748	3.578	ng/ul#	92
25) Bis(2-Chloroethoxy)methane	9.51	93	21641	3.722	ng/ul	95
27) 2,4-Dichlorophenol	9.74	162	14882	3.739	ng/ul	88
28) Naphthalene	10.11	128	50574	3.663	ng/ul	97
30) 4-Chloroaniline	10.25	127	20421	4.739	ng/ul	93
31) Hexachlorobutadiene	10.40	225	10864	3.767	ng/ul	93
32) Caprolactam	11.07	113	3558m	3.237	ng/ul	
33) 4-Chloro-3-methylphenol	11.40	107	16134	3.563	ng/ul	90
34) 2-Methylnaphthalene	11.74	142	35231	3.643	ng/ul	100

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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
35) 1-Methylnaphthalene	11.97	142	33494	3.716 ng/ul#	99
37) 1,2,4,5-Tetrachlorobenzene	12.13	216	19343	3.603 ng/ul	95
38) Hexachlorocyclopentadiene	12.10	237	2912	1.063 ng/ul	86
39) 2,4,6-Trichlorophenol	12.40	196	10660	3.363 ng/ul	94
40) 2,4,5-Trichlorophenol	12.48	196	10883	3.140 ng/ul	98
41) 1,1'-Biphenyl	12.79	154	46670	3.650 ng/ul	97
42) 2-Chloronaphthalene	12.82	162	36133	3.590 ng/ul	97
43) 2-Nitroaniline	13.06	65	11424	3.376 ng/ul#	85
45) Dimethylphthalate	13.45	163	47537	3.854 ng/ul	98
46) 2,6-Dinitrotoluene	13.58	165	7796	3.271 ng/ul#	96
48) Acenaphthylene	13.68	152	55731	3.655 ng/ul	100
49) 3-Nitroaniline	13.92	138	6763	3.413 ng/ul#	96
50) Acenaphthene	14.04	153	39210	3.638 ng/ul	98
51) 2,4-Dinitrophenol	14.14	184	2881	2.326 ng/ul	98
53) 4-Nitrophenol	14.25	109	8262m	4.720 ng/ul	
54) Dibenzofuran	14.38	168	56582	3.700 ng/ul	98
55) 2,4-Dinitrotoluene	14.38	165	12563	3.544 ng/ul#	73
56) 2,3,4,6-Tetrachlorophenol	14.62	232	10525	3.527 ng/ul#	96
57) Diethylphthalate	14.84	149	47092	3.799 ng/ul	99
59) Fluorene	15.04	166	45180	3.616 ng/ul	96
60) 4-Chlorophenyl-phenylether	15.04	204	24174	3.723 ng/ul	93
61) 4-Nitroaniline	15.09	138	6522	2.910 ng/ul#	83
64) 4,6-Dinitro-2-methylphenol	15.15	198	7815	3.752 ng/ul#	59
65) N-Nitrosodiphenylamine	15.26	169	38854	3.691 ng/ul	97
66) 4-Bromophenyl-phenylether	15.94	248	14046	3.701 ng/ul	92
67) Hexachlorobenzene	16.05	284	16076	3.718 ng/ul	94
68) Atrazine	16.24	200	13722	4.002 ng/ul	97
69) Pentachlorophenol	16.41	266	6411	3.006 ng/ul#	86
70) Phenanthrene	16.77	178	73889	3.770 ng/ul	99
72) Anthracene	16.87	178	77009	3.894 ng/ul	99
73) 1,2,3,4-Tetrachlorobenzene	12.75	216	19500	3.593 ng/uL	99
74) Pentachlorobenzene	14.30	250	19471	3.746 ng/uL	92
75) Carbazole	17.15	167	59665	3.768 ng/ul	97
76) Di-n-butylphthalate	17.74	149	73025	3.811 ng/ul	99
77) Fluoranthene	18.81	202	87122	4.297 ng/ul	99
80) Pyrene	19.17	202	97247	3.994 ng/ul	98
81) Butylbenzylphthalate	20.11	149	33203	3.844 ng/ul	97
82) 3,3'-Dichlorobenzidine	20.89	252	21870	3.158 ng/ul	93
83) Benzo(a)anthracene	20.94	228	96345	4.073 ng/ul	99
84) Bis(2-ethylhexyl)phthalate	20.91	149	49527	3.850 ng/ul	99
85) Chrysene	20.99	228	94652	4.034 ng/ul	99
87) Di-n-octyl phthalate	21.75	149	86867	3.453 ng/ul	100
88) Benzo(b)fluoranthene	22.42	252	99449	3.586 ng/ul	95
89) Benzo(k)fluoranthene	22.46	252	92410	3.362 ng/ul	98
91) Benzo(a)pyrene	22.93	252	101264	4.116 ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.02	276	114507	3.567 ng/ul	98
93) Dibenzo(a,h)anthracene	25.03	278	94260	3.485 ng/ul	98
94) Benzo(g,h,i)perylene	25.63	276	96082	3.588 ng/ul	99

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

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