Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071420\
Data File : BM026748.D
Acq On : 14 Jul 2020 12:18
Operator : JU/CG
Sample : L1955-02
Misc : MDL-SOIL-02
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-02

Manual Integrations APPROVED
mohammad
7/20/2020 11:24:45 AM

Quant Time: Jul 16 16:12:11 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	57147	20.00	ng/ul	0.00
18) Naphthalene-d8	10.07	136	214679	20.00	ng/ul	0.00
36) Acenaphthene-d10	13.97	164	127966	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.74	188	264287	20.00	ng/ul	0.00
78) Chrysene-d12	20.95	240	281487	20.00	ng/ul	0.00
86) Perylene-d12	23.02	264	330114	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.91	96	2988	1.57	ng/uL	0.00
5) Phenol-d5	6.52	99	139843	26.72	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.67	67	98840	27.92	ng/ul	0.00
9) 2-Chlorophenol-d4	6.85	132	112437	27.96	ng/ul	0.00
13) 4-Methylphenol-d8	8.04	113	108830	26.00	ng/ul	0.00
19) Nitrobenzene-d5	8.46	128	50936	30.00	ng/ul	0.00
22) 2-Nitrophenol-d4	9.17	143	55737	30.79	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.71	165	101933	28.75	ng/ul	0.00
29) 4-Chloroaniline-d4	10.22	131	136276	36.51	ng/ul	0.00
44) Dimethylphthalate-d6	13.40	166	302037	29.59	ng/ul	0.00
47) Acenaphthylene-d8	13.66	160	364866	29.58	ng/ul	0.00
52) 4-Nitrophenol-d4	14.24	143	34085	23.14	ng/ul	0.00
58) Fluorene-d10	14.98	176	256548	28.70	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.13	200	43856	26.56	ng/ul	0.00
71) Anthracene-d10	16.83	188	393753	30.25	ng/ul	0.00
79) Pyrene-d10	19.14	212	450953	30.83	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.89	264	514579	28.88	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.94	88	2789	1.355	ng/uL#	90
4) Benzaldehyde	6.48	77	9079m	3.267	ng/ul	
6) Phenol	6.55	94	19404	3.372	ng/ul	98
8) Bis(2-Chloroethyl)ether	6.76	93	15450	3.526	ng/ul	91
10) 2-Chlorophenol	6.88	128	14956	3.374	ng/ul	93
11) 2-Methylphenol	7.78	108	13007	3.164	ng/ul	96
12) 2,2'-oxybis(1-Chloropropan	7.85	45	31161	3.666	ng/ul	98
14) Acetophenone	8.14	105	23541	3.319	ng/ul	98
15) N-Nitroso-di-n-propylamine	8.12	70	12783	3.051	ng/ul#	97
16) 4-Methylphenol	8.11	108	15083	3.301	ng/ul	99
17) Hexachloroethane	8.36	117	7010	3.568	ng/ul	91
20) Nitrobenzene	8.50	77	20849	3.894	ng/ul	98
21) Isophorone	9.02	82	31823	3.536	ng/ul	98
23) 2-Nitrophenol	9.20	139	8005	3.822	ng/ul	92
24) 2,4-Dimethylphenol	9.29	107	17454	3.619	ng/ul	91
25) Bis(2-Chloroethoxy)methane	9.51	93	19788	3.698	ng/ul#	94
27) 2,4-Dichlorophenol	9.74	162	13648	3.726	ng/ul	90
28) Naphthalene	10.11	128	45872	3.610	ng/ul	96
30) 4-Chloroaniline	10.25	127	17381	4.382	ng/ul	96
31) Hexachlorobutadiene	10.40	225	10181	3.835	ng/ul	96
32) Caprolactam	11.06	113	2852m	2.819	ng/ul	
33) 4-Chloro-3-methylphenol	11.41	107	13800	3.311	ng/ul	95
34) 2-Methylnaphthalene	11.74	142	30961	3.478	ng/ul	91

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Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
35) 1-Methylnaphthalene	11.97	142	29247	3.525 ng/ul#	90
37) 1,2,4,5-Tetrachlorobenzene	12.13	216	17609	3.786 ng/ul	95
38) Hexachlorocyclopentadiene	12.10	237	2726	1.148 ng/ul#	89
39) 2,4,6-Trichlorophenol	12.40	196	9683	3.527 ng/ul	97
40) 2,4,5-Trichlorophenol	12.48	196	10033	3.341 ng/ul	100
41) 1,1'-Biphenyl	12.79	154	38893	3.511 ng/ul	98
42) 2-Chloronaphthalene	12.83	162	31873	3.656 ng/ul	95
43) 2-Nitroaniline	13.06	65	8988	3.066 ng/ul	89
45) Dimethylphthalate	13.45	163	39592	3.706 ng/ul	98
46) 2,6-Dinitrotoluene	13.58	165	6774	3.280 ng/ul#	91
48) Acenaphthylene	13.68	152	47749	3.615 ng/ul	99
49) 3-Nitroaniline	13.91	138	5442	3.170 ng/ul	91
50) Acenaphthene	14.04	153	32499	3.481 ng/ul	98
51) 2,4-Dinitrophenol	14.15	184	2094	1.952 ng/ul#	83
53) 4-Nitrophenol	14.25	109	6465m	4.264 ng/ul	
54) Dibenzofuran	14.38	168	48111	3.632 ng/ul	97
55) 2,4-Dinitrotoluene	14.38	165	10057	3.275 ng/ul	93
56) 2,3,4,6-Tetrachlorophenol	14.63	232	8589	3.323 ng/ul#	88
57) Diethylphthalate	14.84	149	38098	3.548 ng/ul	98
59) Fluorene	15.04	166	37956	3.507 ng/ul	97
60) 4-Chlorophenyl-phenylether	15.04	204	19991	3.554 ng/ul	97
61) 4-Nitroaniline	15.09	138	5725m	2.949 ng/ul	
64) 4,6-Dinitro-2-methylphenol	15.15	198	5951	3.403 ng/ul#	88
65) N-Nitrosodiphenylamine	15.26	169	31979	3.619 ng/ul	98
66) 4-Bromophenyl-phenylether	15.94	248	12127	3.806 ng/ul	95
67) Hexachlorobenzene	16.04	284	13509	3.721 ng/ul#	89
68) Atrazine	16.24	200	11107	3.858 ng/ul	97
69) Pentachlorophenol	16.42	266	4740	2.648 ng/ul	90
70) Phenanthrene	16.77	178	62343	3.788 ng/ul	96
72) Anthracene	16.87	178	61471	3.702 ng/ul	98
73) 1,2,3,4-Tetrachlorobenzene	12.75	216	17105	3.754 ng/uL	98
74) Pentachlorobenzene	14.30	250	17071	3.912 ng/uL	94
75) Carbazole	17.15	167	47667	3.585 ng/ul	96
76) Di-n-butylphthalate	17.74	149	58483	3.636 ng/ul	99
77) Fluoranthene	18.81	202	70059	4.115 ng/ul#	95
80) Pyrene	19.17	202	77744	3.897 ng/ul	99
81) Butylbenzylphthalate	20.11	149	25580	3.615 ng/ul	99
82) 3,3'-Dichlorobenzidine	20.89	252	16247	2.863 ng/ul#	95
83) Benzo(a)anthracene	20.94	228	76436	3.945 ng/ul	99
84) Bis(2-ethylhexyl)phthalate	20.91	149	39545	3.752 ng/ul#	96
85) Chrysene	20.99	228	73188	3.807 ng/ul	98
87) Di-n-octyl phthalate	21.75	149	70737	3.478 ng/ul	100
88) Benzo(b)fluoranthene	22.42	252	80192	3.576 ng/ul	99
89) Benzo(k)fluoranthene	22.46	252	77929	3.507 ng/ul	99
91) Benzo(a)pyrene	22.93	252	80298	4.037 ng/ul	96
92) Indeno(1,2,3-cd)pyrene	25.02	276	92213	3.552 ng/ul	98
93) Dibenzo(a,h)anthracene	25.03	278	77454	3.541 ng/ul	97
94) Benzo(g,h,i)perylene	25.63	276	78691	3.634 ng/ul	99

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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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