Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071620\
Data File : BM026784.D
Acq On : 16 Jul 2020 13:26
Operator : JU/CG
Sample : L1955-06
Misc : MDL-SOIL-06
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : MDL-SOIL-06

Manual Integrations APPROVED
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Quant Time: Jul 16 14:02:23 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM063020MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 16 13:06:40 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.30	152	62686	20.00	ng/ul	0.00
18) Naphthalene-d8	10.05	136	278801	20.00	ng/ul	0.00
36) Acenaphthene-d10	13.97	164	196847	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.73	188	438686	20.00	ng/ul	0.00
78) Chrysene-d12	20.95	240	493114	20.00	ng/ul	0.00
86) Perylene-d12	23.01	264	581158	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.90	96	11458	5.49	ng/uL	0.00
5) Phenol-d5	6.52	99	177928	30.99	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.67	67	134976	34.76	ng/ul	0.00
9) 2-Chlorophenol-d4	6.85	132	143180	32.46	ng/ul	0.00
13) 4-Methylphenol-d8	8.04	113	152342	33.18	ng/ul	0.00
19) Nitrobenzene-d5	8.45	128	73320	33.26	ng/ul	0.00
22) 2-Nitrophenol-d4	9.17	143	82339	35.02	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.70	165	146101	31.74	ng/ul	0.00
29) 4-Chloroaniline-d4	10.21	131	212901	43.92	ng/ul	0.00
44) Dimethylphthalate-d6	13.40	166	555518	35.38	ng/ul	0.00
47) Acenaphthylene-d8	13.65	160	631802	33.30	ng/ul	0.00
52) 4-Nitrophenol-d4	14.22	143	70905	31.29	ng/ul	0.00
58) Fluorene-d10	14.97	176	450989	32.80	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.13	200	89198m	32.54	ng/ul	0.00
71) Anthracene-d10	16.82	188	729147	33.75	ng/ul	0.00
79) Pyrene-d10	19.14	212	872663	34.05	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.89	264	996067	31.76	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.94	88	2680	1.187	ng/uL	90
4) Benzaldehyde	6.48	77	9073m	2.976	ng/ul	
6) Phenol	6.54	94	18992	3.009	ng/ul	88
8) Bis(2-Chloroethyl)ether	6.75	93	16638	3.462	ng/ul	97
10) 2-Chlorophenol	6.88	128	14784	3.040	ng/ul	95
11) 2-Methylphenol	7.77	108	13590	3.014	ng/ul	93
12) 2,2'-oxybis(1-Chloropropan	7.84	45	33948	3.641	ng/ul#	97
14) Acetophenone	8.13	105	26009	3.343	ng/ul#	88
15) N-Nitroso-di-n-propylamine	8.12	70	16348	3.557	ng/ul	93
16) 4-Methylphenol	8.10	108	16216	3.235	ng/ul	97
17) Hexachloroethane	8.35	117	6903	3.203	ng/ul#	90
20) Nitrobenzene	8.50	77	22873	3.290	ng/ul	97
21) Isophorone	9.02	82	40058	3.427	ng/ul	99
23) 2-Nitrophenol	9.20	139	9117	3.352	ng/ul#	87
24) 2,4-Dimethylphenol	9.28	107	18394	2.936	ng/ul	96
25) Bis(2-Chloroethoxy)methane	9.51	93	23044	3.316	ng/ul#	98
27) 2,4-Dichlorophenol	9.73	162	15450	3.248	ng/ul	96
28) Naphthalene	10.11	128	52165	3.161	ng/ul	99
30) 4-Chloroaniline	10.24	127	21074	4.091	ng/ul	98
31) Hexachlorobutadiene	10.40	225	11978	3.474	ng/ul	97
32) Caprolactam	11.08	113	4128m	3.142	ng/ul	
33) 4-Chloro-3-methylphenol	11.40	107	16344	3.019	ng/ul	100
34) 2-Methylnaphthalene	11.74	142	37267	3.224	ng/ul	98

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
35) 1-Methylnaphthalene	11.96	142	37362	3.467 ng/ul#	98
37) 1,2,4,5-Tetrachlorobenzene	12.12	216	20817	2.909 ng/ul	98
38) Hexachlorocyclopentadiene	12.10	237	3467	0.950 ng/ul	96
39) 2,4,6-Trichlorophenol	12.39	196	11724	2.776 ng/ul	98
40) 2,4,5-Trichlorophenol	12.48	196	12122	2.624 ng/ul	91
41) 1,1'-Biphenyl	12.79	154	51713	3.035 ng/ul	98
42) 2-Chloronaphthalene	12.82	162	39339	2.933 ng/ul	98
43) 2-Nitroaniline	13.06	65	11276	2.501 ng/ul	94
45) Dimethylphthalate	13.44	163	55403	3.371 ng/ul	99
46) 2,6-Dinitrotoluene	13.57	165	9014	2.838 ng/ul	90
48) Acenaphthylene	13.68	152	64050	3.152 ng/ul	99
49) 3-Nitroaniline	13.91	138	6237	2.362 ng/ul	95
50) Acenaphthene	14.03	153	43843	3.053 ng/ul	99
51) 2,4-Dinitrophenol	14.14	184	3772	2.286 ng/ul#	80
53) 4-Nitrophenol	14.24	109	9374m	4.019 ng/ul	
54) Dibenzofuran	14.38	168	63139	3.098 ng/ul	100
55) 2,4-Dinitrotoluene	14.37	165	14741	3.120 ng/ul#	78
56) 2,3,4,6-Tetrachlorophenol	14.62	232	12297	3.093 ng/ul	98
57) Diethylphthalate	14.83	149	56716	3.434 ng/ul	98
59) Fluorene	15.03	166	53406	3.208 ng/ul	99
60) 4-Chlorophenyl-phenylether	15.04	204	27558	3.185 ng/ul	88
61) 4-Nitroaniline	15.08	138	6835m	2.289 ng/ul	
64) 4,6-Dinitro-2-methylphenol	15.14	198	9272	3.194 ng/ul#	65
65) N-Nitrosodiphenylamine	15.25	169	46007	3.136 ng/ul	99
66) 4-Bromophenyl-phenylether	15.93	248	16538	3.127 ng/ul	90
67) Hexachlorobenzene	16.04	284	19409	3.221 ng/ul	99
68) Atrazine	16.23	200	15966	3.341 ng/ul#	92
69) Pentachlorophenol	16.41	266	7193m	2.420 ng/ul	
70) Phenanthrene	16.77	178	87318	3.196 ng/ul	99
72) Anthracene	16.86	178	86724	3.146 ng/ul	100
73) 1,2,3,4-Tetrachlorobenzene	12.74	216	21113	2.792 ng/uL	96
74) Pentachlorobenzene	14.30	250	22908	3.162 ng/uL	94
75) Carbazole	17.15	167	70566	3.198 ng/ul	96
76) Di-n-butylphthalate	17.73	149	89108	3.337 ng/ul	99
77) Fluoranthene	18.80	202	100156	3.544 ng/ul	97
80) Pyrene	19.17	202	112862	3.230 ng/ul	100
81) Butylbenzylphthalate	20.11	149	41098	3.315 ng/ul	97
82) 3,3'-Dichlorobenzidine	20.89	252	29073	2.925 ng/ul	96
83) Benzo(a)anthracene	20.94	228	116387	3.429 ng/ul	98
84) Bis(2-ethylhexyl)phthalate	20.90	149	62626	3.392 ng/ul	100
85) Chrysene	20.99	228	112855	3.351 ng/ul	98
87) Di-n-octyl phthalate	21.74	149	108873	3.040 ng/ul	100
88) Benzo(b)fluoranthene	22.41	252	120689	3.057 ng/ul	98
89) Benzo(k)fluoranthene	22.45	252	117211	2.996 ng/ul	98
91) Benzo(a)pyrene	22.92	252	120369	3.437 ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.01	276	130091	2.846 ng/ul	98
93) Dibenzo(a,h)anthracene	25.02	278	110701	2.875 ng/ul	98
94) Benzo(g,h,i)perylene	25.62	276	109584	2.875 ng/ul	98

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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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