Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071420\
Data File : BM026762.D
Acq On : 14 Jul 2020 21:26
Operator : JU/CG
Sample : L1955-16
Misc : MDL-SOIL-ME-02
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : MDL-ME-SOIL-02

Manual Integrations APPROVED
mohammad
7/15/2020 10:58:50 AM

Quant Time: Jul 15 01:15:45 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM063020MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 15 00:28:45 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.31	152	67541	20.00	ng/ul	0.00
18) Naphthalene-d8	10.06	136	269142	20.00	ng/ul	0.00
36) Acenaphthene-d10	13.97	164	159926	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.73	188	319802	20.00	ng/ul	0.00
78) Chrysene-d12	20.95	240	327172	20.00	ng/ul	0.00
86) Perylene-d12	23.02	264	381800	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.91	96	3577	1.59	ng/uL	0.00
5) Phenol-d5	6.52	99	174204	28.16	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.67	67	123568	29.54	ng/ul	0.00
9) 2-Chlorophenol-d4	6.85	132	137476	28.93	ng/ul	0.00
13) 4-Methylphenol-d8	8.04	113	132208	26.72	ng/ul	0.00
19) Nitrobenzene-d5	8.45	128	63153	29.67	ng/ul	0.00
22) 2-Nitrophenol-d4	9.17	143	68211	30.05	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.71	165	127132	28.61	ng/ul	0.00
29) 4-Chloroaniline-d4	10.22	131	171079	36.56	ng/ul	0.00
44) Dimethylphthalate-d6	13.40	166	381202	29.88	ng/ul	0.00
47) Acenaphthylene-d8	13.65	160	462009	29.97	ng/ul	0.00
52) 4-Nitrophenol-d4	14.24	143	43636	23.70	ng/ul	0.00
58) Fluorene-d10	14.98	176	317800	28.45	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.13	200	54048	27.05	ng/ul	0.00
71) Anthracene-d10	16.83	188	482884	30.66	ng/ul	0.00
79) Pyrene-d10	19.14	212	538123	31.65	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.89	264	585817	28.43	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.94	88	3704	1.522	ng/uL#	86
4) Benzaldehyde	6.48	77	10621	3.233	ng/ul	91
6) Phenol	6.55	94	24443	3.594	ng/ul#	85
8) Bis(2-Chloroethyl)ether	6.76	93	19629	3.791	ng/ul	99
10) 2-Chlorophenol	6.88	128	18793	3.587	ng/ul	92
11) 2-Methylphenol	7.78	108	16168	3.328	ng/ul	98
12) 2,2'-oxybis(1-Chloropropan	7.85	45	39652	3.947	ng/ul#	96
14) Acetophenone	8.13	105	28246	3.370	ng/ul#	84
15) N-Nitroso-di-n-propylamine	8.12	70	16082	3.248	ng/ul	94
16) 4-Methylphenol	8.10	108	18425	3.412	ng/ul	97
17) Hexachloroethane	8.36	117	8152	3.511	ng/ul	97
20) Nitrobenzene	8.50	77	24924	3.713	ng/ul	98
21) Isophorone	9.02	82	38835	3.442	ng/ul	100
23) 2-Nitrophenol	9.20	139	9897	3.769	ng/ul	96
24) 2,4-Dimethylphenol	9.28	107	21144	3.497	ng/ul	96
25) Bis(2-Chloroethoxy)methane	9.51	93	23988	3.576	ng/ul	94
27) 2,4-Dichlorophenol	9.74	162	16759	3.649	ng/ul	93
28) Naphthalene	10.11	128	57101	3.584	ng/ul	99
30) 4-Chloroaniline	10.24	127	21830	4.390	ng/ul#	88
31) Hexachlorobutadiene	10.40	225	12941	3.888	ng/ul	95
32) Caprolactam	11.06	113	3414m	2.692	ng/ul	
33) 4-Chloro-3-methylphenol	11.40	107	15296	2.927	ng/ul	91
34) 2-Methylnaphthalene	11.74	142	38275	3.430	ng/ul	100

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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	38096	3.662 ng/ul	98
37) 1,2,4,5-Tetrachlorobenzene	12.12	216	21700	3.733 ng/ul	99
38) Hexachlorocyclopentadiene	12.10	237	3319	1.119 ng/ul#	82
39) 2,4,6-Trichlorophenol	12.40	196	11595	3.379 ng/ul	97
40) 2,4,5-Trichlorophenol	12.48	196	11418	3.043 ng/ul	86
41) 1,1'-Biphenyl	12.79	154	50981	3.683 ng/ul	98
42) 2-Chloronaphthalene	12.82	162	37783	3.468 ng/ul	98
43) 2-Nitroaniline	13.06	65	10764	2.938 ng/ul	93
45) Dimethylphthalate	13.45	163	49437	3.702 ng/ul	96
46) 2,6-Dinitrotoluene	13.58	165	8106	3.141 ng/ul	96
48) Acenaphthylene	13.68	152	60741	3.679 ng/ul	97
49) 3-Nitroaniline	13.91	138	5844	2.724 ng/ul	86
50) Acenaphthene	14.04	153	42554	3.647 ng/ul	97
51) 2,4-Dinitrophenol	14.15	184	2622	1.956 ng/ul#	85
53) 4-Nitrophenol	14.25	109	8288m	4.374 ng/ul	
54) Dibenzofuran	14.38	168	59051	3.567 ng/ul	99
55) 2,4-Dinitrotoluene	14.38	165	12009	3.129 ng/ul#	76
56) 2,3,4,6-Tetrachlorophenol	14.62	232	10729	3.321 ng/ul#	95
57) Diethylphthalate	14.84	149	48515	3.615 ng/ul	97
59) Fluorene	15.03	166	48073	3.554 ng/ul	99
60) 4-Chlorophenyl-phenylether	15.04	204	25544	3.633 ng/ul	96
61) 4-Nitroaniline	15.09	138	6150m	2.535 ng/ul	
64) 4,6-Dinitro-2-methylphenol	15.14	198	7500	3.544 ng/ul#	62
65) N-Nitrosodiphenylamine	15.26	169	40288	3.768 ng/ul	94
66) 4-Bromophenyl-phenylether	15.94	248	15046	3.903 ng/ul	93
67) Hexachlorobenzene	16.04	284	16739	3.810 ng/ul	96
68) Atrazine	16.23	200	14113	4.051 ng/ul	97
69) Pentachlorophenol	16.41	266	5990	2.765 ng/ul#	90
70) Phenanthrene	16.77	178	75573	3.795 ng/ul	98
72) Anthracene	16.87	178	74924	3.729 ng/ul	98
73) 1,2,3,4-Tetrachlorobenzene	12.75	216	21977	3.986 ng/uL	96
74) Pentachlorobenzene	14.30	250	21306	4.034 ng/uL	97
75) Carbazole	17.15	167	58633	3.644 ng/ul	96
76) Di-n-butylphthalate	17.73	149	69655	3.578 ng/ul	99
77) Fluoranthene	18.81	202	84266	4.091 ng/ul	98
80) Pyrene	19.17	202	91777	3.958 ng/ul	99
81) Butylbenzylphthalate	20.11	149	29359	3.569 ng/ul	99
82) 3,3'-Dichlorobenzidine	20.89	252	19439	2.948 ng/ul	96
83) Benzo(a)anthracene	20.94	228	88696	3.938 ng/ul	100
84) Bis(2-ethylhexyl)phthalate	20.91	149	44385	3.623 ng/ul#	96
85) Chrysene	20.99	228	87070	3.897 ng/ul	99
87) Di-n-octyl phthalate	21.75	149	78312	3.329 ng/ul	100
88) Benzo(b)fluoranthene	22.42	252	89509	3.451 ng/ul	97
89) Benzo(k)fluoranthene	22.46	252	92591	3.602 ng/ul	100
91) Benzo(a)pyrene	22.93	252	90935	3.953 ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.02	276	109118	3.634 ng/ul	97
93) Dibenzo(a,h)anthracene	25.03	278	90997	3.597 ng/ul	99
94) Benzo(g,h,i)perylene	25.62	276	92077	3.677 ng/ul	97

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

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