Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120420\
Data File : BM028027.D
Acq On : 04 Dec 2020 13:03
Operator : JU/CG
Sample : L4485-03
Misc : MDL-SOIL--03
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : MDL-SOIL-03

Manual Integrations APPROVED
mohammad
12/7/2020 8:54:24 AM

Quant Time: Dec 04 14:04:58 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM120320.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 04 11:20:16 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.29	152	205016	20.00	ng/ul	0.00
20) Naphthalene-d8	11.13	136	857532	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.91	164	498952	20.00	ng/ul	0.00
64) Phenanthrene-d10	17.63	188	1000537	20.00	ng/ul	0.00
79) Chrysene-d12	21.73	240	904669	20.00	ng/ul	0.00
88) Perylene-d12	24.14	264	889509	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.47	96	27786	5.06	ng/uL	0.00
4) Pyridine-d5	3.93	84	332249	22.43	ng/ul	0.00
7) Phenol-d5	7.42	99	578587	33.90	ng/ul	0.00
9) Bis-(2-Chloroethyl)ether-d	7.60	67	377274	35.57	ng/ul	0.00
11) 2-Chlorophenol-d4	7.81	132	494013	34.75	ng/ul	0.00
15) 4-Methylphenol-d8	8.99	113	489282	36.35	ng/ul	0.00
21) Nitrobenzene-d5	9.47	128	233474	35.07	ng/ul	0.00
24) 2-Nitrophenol-d4	10.19	143	239951	36.07	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.73	165	447088	33.14	ng/ul	0.00
31) 4-Chloroaniline-d4	11.25	131	644753	34.93	ng/ul	0.00
46) Dimethylphthalate-d6	14.30	166	1301954	35.27	ng/ul	0.00
49) Acenaphthylene-d8	14.61	160	1691186	35.69	ng/ul	0.00
54) 4-Nitrophenol-d4	15.07	143	223559	31.40	ng/ul	0.00
60) Fluorene-d10	15.89	176	1100953	33.28	ng/ul	0.00
65) 4,6-Dinitro-2-methylphenol	16.00	200	174076	29.98	ng/ul	0.00
73) Anthracene-d10	17.73	188	1638481	33.40	ng/ul	0.00
81) Pyrene-d10	19.98	212	1697561	35.74	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.99	264	1498677	31.65	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.51	88	4002	0.709	ng/uL	87
5) Pyridine	3.96	79	45161	3.039	ng/ul#	69
6) Benzaldehyde	7.41	77	36457	5.167	ng/ul	98
8) Phenol	7.45	94	50188	2.882	ng/ul	96
10) Bis(2-Chloroethyl)ether	7.69	93	44781	3.123	ng/ul	95
12) 2-Chlorophenol	7.85	128	43048	2.942	ng/ul	98
13) 2-Methylphenol	8.72	108	35803	2.746	ng/ul	99
14) 2,2'-oxybis(1-Chloropropan	8.82	45	71041	3.079	ng/ul	99
16) Acetophenone	9.12	105	61807	3.069	ng/ul	99
17) N-Nitroso-di-n-propylamine	9.10	70	28819	3.011	ng/ul	98
18) 4-Methylphenol	9.06	108	40746	2.916	ng/ul	91
19) Hexachloroethane	9.40	117	17330	2.821	ng/ul	97
22) Nitrobenzene	9.51	77	49147	2.992	ng/ul	98
23) Isophorone	10.04	82	78722	2.864	ng/ul	99
25) 2-Nitrophenol	10.23	139	22447	2.984	ng/ul	97
26) 2,4-Dimethylphenol	10.27	107	43063	2.785	ng/ul	100
27) Bis(2-Chloroethoxy)methane	10.52	93	56361	2.987	ng/ul	99
29) 2,4-Dichlorophenol	10.76	162	38966	2.952	ng/ul	97
30) Naphthalene	11.17	128	140495	2.901	ng/ul	100
32) 4-Chloroaniline	11.27	127	55099	3.083	ng/ul	100
33) Hexachlorobutadiene	11.46	225	24789	2.868	ng/ul	98
34) Caprolactam	12.05	113	9030m	2.374	ng/ul	

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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
35) 4-Chloro-3-methylphenol	12.37	107	36051	2.723 ng/ul	95
36) 2-Methylnaphthalene	12.76	142	93278	2.930 ng/ul	97
37) 1-Methylnaphthalene	12.98	142	89006	2.908 ng/ul	98
39) 1,2,4,5-Tetrachlorobenzene	13.12	216	47028	2.769 ng/ul	99
40) Hexachlorocyclopentadiene	13.10	237	20940	2.164 ng/ul	98
41) 2,4,6-Trichlorophenol	13.35	196	25682	2.524 ng/ul	96
42) 2,4,5-Trichlorophenol	13.42	196	28715	2.628 ng/ul	98
43) 1,1'-Biphenyl	13.75	154	119102	2.786 ng/ul	99
44) 2-Chloronaphthalene	13.80	162	94416	2.803 ng/ul	97
45) 2-Nitroaniline	13.99	65	20429	2.439 ng/ul	97
47) Dimethylphthalate	14.35	163	115164	3.017 ng/ul	99
48) 2,6-Dinitrotoluene	14.47	165	17298	2.387 ng/ul	94
50) Acenaphthylene	14.64	152	140489	2.861 ng/ul	99
51) 3-Nitroaniline	14.80	138	18710	2.602 ng/ul	98
52) Acenaphthene	14.97	153	99640	2.827 ng/ul	97
53) 2,4-Dinitrophenol	15.00	184	6504	1.560 ng/ul#	82
55) 4-Nitrophenol	15.09	109	14864	2.839 ng/ul	95
56) Dibenzofuran	15.30	168	136994	2.870 ng/ul	99
57) 2,4-Dinitrotoluene	15.25	165	24772	2.440 ng/ul#	85
58) 2,3,4,6-Tetrachlorophenol	15.52	232	21932	2.499 ng/ul	99
59) Diethylphthalate	15.70	149	105731	2.828 ng/ul	98
61) Fluorene	15.94	166	114350	2.934 ng/ul	99
62) 4-Chlorophenyl-phenylether	15.93	204	56010	2.935 ng/ul	97
63) 4-Nitroaniline	15.94	138	18610	2.921 ng/ul	96
66) 4,6-Dinitro-2-methylphenol	16.01	198	16969	2.654 ng/ul#	73
67) N-Nitrosodiphenylamine	16.14	169	90733	2.757 ng/ul	99
68) 4-Bromophenyl-phenylether	16.82	248	31559	2.760 ng/ul	94
69) Hexachlorobenzene	16.94	284	37341	2.831 ng/ul	97
70) Atrazine	17.07	200	28963	2.601 ng/ul	95
71) Pentachlorophenol	17.27	266	14893	2.017 ng/ul	93
72) Phenanthrene	17.67	178	173345	2.849 ng/ul	100
74) Anthracene	17.76	178	176922	2.855 ng/ul	98
75) 1,2,3,4-Tetrachlorobenzene	13.72	216	46629	2.760 ng/uL	97
76) Pentachlorobenzene	15.22	250	44675	2.759 ng/uL	98
77) Carbazole	18.02	167	139964	2.655 ng/ul	99
78) Di-n-butylphthalate	18.56	149	156943	2.611 ng/ul	100
80) Fluoranthene	19.65	202	182757	2.937 ng/ul	98
82) Pyrene	20.01	202	198469	3.056 ng/ul	99
83) Butylbenzylphthalate	20.86	149	58714	2.519 ng/ul	98
84) 3,3'-Dichlorobenzidine	21.64	252	53053	2.647 ng/ul	97
85) Benzo(a)anthracene	21.72	228	170428	2.838 ng/ul	99
86) Bis(2-ethylhexyl)phthalate	21.62	149	86614	2.456 ng/ul	99
87) Chrysene	21.77	228	173469	2.923 ng/ul	100
89) Di-n-octyl phthalate	22.54	149	143154	2.374 ng/ul	100
90) Benzo(b)fluoranthene	23.40	252	165125	2.814 ng/ul	96
91) Benzo(k)fluoranthene	23.45	252	165227	2.918 ng/ul	98
93) Benzo(a)pyrene	24.03	252	151391	2.836 ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.61	276	175250	2.674 ng/ul	96
95) Dibenzo(a,h)anthracene	26.63	278	149077	2.691 ng/ul	98
96) Benzo(g,h,i)perylene	27.38	276	146718	2.653 ng/ul	98

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

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