Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120420\
Data File : BM028038.D
Acq On : 04 Dec 2020 19:44
Operator : JU/CG
Sample : L4485-16
Misc : ME-SOIL-02
ALS Vial : 18 Sample Multiplier: 1

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

Manual Integrations APPROVED
mohammad
12/7/2020 8:54:39 AM

Quant Time: Dec 05 00:33:02 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM120320.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 04 23:57:08 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.29	152	253362	20.00	ng/ul	0.00
20) Naphthalene-d8	11.12	136	1069844	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.91	164	636939	20.00	ng/ul	0.00
64) Phenanthrene-d10	17.63	188	1299822	20.00	ng/ul	0.00
79) Chrysene-d12	21.73	240	1238628	20.00	ng/ul	0.00
88) Perylene-d12	24.14	264	1211251	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.47	96	30891	4.55	ng/uL	0.00
4) Pyridine-d5	3.93	84	423241	23.13	ng/ul	0.00
7) Phenol-d5	7.42	99	708062	33.57	ng/ul	0.00
9) Bis-(2-Chloroethyl)ether-d	7.60	67	466782	35.61	ng/ul	0.00
11) 2-Chlorophenol-d4	7.81	132	601468	34.23	ng/ul	0.00
15) 4-Methylphenol-d8	8.99	113	596302	35.85	ng/ul	0.00
21) Nitrobenzene-d5	9.47	128	286223	34.46	ng/ul	0.00
24) 2-Nitrophenol-d4	10.20	143	298948	36.02	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.73	165	552800	32.84	ng/ul	0.00
31) 4-Chloroaniline-d4	11.25	131	797815	34.65	ng/ul	0.00
46) Dimethylphthalate-d6	14.31	166	1655554	35.13	ng/ul	0.00
49) Acenaphthylene-d8	14.61	160	2122256	35.08	ng/ul	0.00
54) 4-Nitrophenol-d4	15.07	143	286005	31.47	ng/ul	0.00
60) Fluorene-d10	15.89	176	1392086	32.96	ng/ul	0.00
65) 4,6-Dinitro-2-methylphenol	16.00	200	230806	30.59	ng/ul	0.00
73) Anthracene-d10	17.73	188	2065415	32.41	ng/ul	0.00
81) Pyrene-d10	19.98	212	2206184	33.93	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.99	264	2008858	31.15	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.51	88	5156	0.739	ng/uL#	78
5) Pyridine	3.96	79	51733	2.817	ng/ul#	64
6) Benzaldehyde	7.41	77	43945	5.040	ng/ul	97
8) Phenol	7.45	94	59384	2.759	ng/ul	97
10) Bis(2-Chloroethyl)ether	7.69	93	53380	3.012	ng/ul	99
12) 2-Chlorophenol	7.85	128	51766	2.862	ng/ul	98
13) 2-Methylphenol	8.73	108	43615	2.707	ng/ul	99
14) 2,2'-oxybis(1-Chloropropan	8.82	45	85777	3.008	ng/ul	98
16) Acetophenone	9.12	105	73218	2.941	ng/ul	97
17) N-Nitroso-di-n-propylamine	9.10	70	35686	3.017	ng/ul	95
18) 4-Methylphenol	9.06	108	48178	2.790	ng/ul	96
19) Hexachloroethane	9.39	117	21128	2.783	ng/ul	95
22) Nitrobenzene	9.51	77	58797	2.869	ng/ul	99
23) Isophorone	10.04	82	93863	2.738	ng/ul	99
25) 2-Nitrophenol	10.23	139	27331	2.912	ng/ul	95
26) 2,4-Dimethylphenol	10.27	107	52569	2.725	ng/ul	99
27) Bis(2-Chloroethoxy)methane	10.51	93	68072	2.892	ng/ul	98
29) 2,4-Dichlorophenol	10.76	162	46174	2.804	ng/ul	93
30) Naphthalene	11.17	128	165427	2.738	ng/ul	98
32) 4-Chloroaniline	11.27	127	65608	2.942	ng/ul	100
33) Hexachlorobutadiene	11.45	225	30135	2.795	ng/ul	94
34) Caprolactam	12.06	113	11297m	2.381	ng/ul	

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35) 4-Chloro-3-methylphenol	12.37	107	45071	2.729	ng/ul	99
36) 2-Methylnaphthalene	12.76	142	112569	2.834	ng/ul	98
37) 1-Methylnaphthalene	12.98	142	106918	2.800	ng/ul	100
39) 1,2,4,5-Tetrachlorobenzene	13.12	216	56496	2.606	ng/ul	98
40) Hexachlorocyclopentadiene	13.10	237	24417	1.976	ng/ul	98
41) 2,4,6-Trichlorophenol	13.35	196	32603	2.510	ng/ul	98
42) 2,4,5-Trichlorophenol	13.42	196	35532	2.547	ng/ul	98
43) 1,1'-Biphenyl	13.75	154	145234	2.661	ng/ul	98
44) 2-Chloronaphthalene	13.80	162	114453	2.662	ng/ul	99
45) 2-Nitroaniline	13.99	65	25553	2.390	ng/ul	92
47) Dimethylphthalate	14.35	163	140310	2.880	ng/ul	99
48) 2,6-Dinitrotoluene	14.47	165	22576	2.441	ng/ul	96
50) Acenaphthylene	14.63	152	171546	2.736	ng/ul	99
51) 3-Nitroaniline	14.80	138	23337	2.542	ng/ul	97
52) Acenaphthene	14.97	153	121922	2.710	ng/ul	98
53) 2,4-Dinitrophenol	15.00	184	9098	1.710	ng/ul	95
55) 4-Nitrophenol	15.09	109	18452	2.761	ng/ul#	84
56) Dibenzofuran	15.30	168	167445	2.748	ng/ul	99
57) 2,4-Dinitrotoluene	15.25	165	30844	2.380	ng/ul#	82
58) 2,3,4,6-Tetrachlorophenol	15.52	232	28129	2.510	ng/ul	98
59) Diethylphthalate	15.70	149	137462	2.880	ng/ul	98
61) Fluorene	15.94	166	139410	2.802	ng/ul	99
62) 4-Chlorophenyl-phenylether	15.93	204	68933	2.830	ng/ul	96
63) 4-Nitroaniline	15.94	138	24429	3.004	ng/ul	97
66) 4,6-Dinitro-2-methylphenol	16.01	198	21449	2.582	ng/ul#	80
67) N-Nitrosodiphenylamine	16.14	169	113244	2.649	ng/ul	98
68) 4-Bromophenyl-phenylether	16.82	248	40253	2.710	ng/ul	98
69) Hexachlorobenzene	16.94	284	47547	2.774	ng/ul	95
70) Atrazine	17.07	200	36670	2.535	ng/ul	99
71) Pentachlorophenol	17.27	266	19165	1.998	ng/ul	95
72) Phenanthrene	17.67	178	215834	2.731	ng/ul	99
74) Anthracene	17.76	178	220158	2.735	ng/ul	99
75) 1,2,3,4-Tetrachlorobenzene	13.72	216	56345	2.567	ng/uL	98
76) Pentachlorobenzene	15.22	250	55083	2.618	ng/uL	99
77) Carbazole	18.02	167	175254	2.559	ng/ul	100
78) Di-n-butylphthalate	18.56	149	214704	2.750	ng/ul	100
80) Fluoranthene	19.64	202	235766	2.767	ng/ul	100
82) Pyrene	20.00	202	252918	2.844	ng/ul	98
83) Butylbenzylphthalate	20.86	149	86281	2.703	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.64	252	70204	2.558	ng/ul	99
85) Benzo(a)anthracene	21.72	228	225162	2.738	ng/ul	99
86) Bis(2-ethylhexyl)phthalate	21.62	149	132605	2.746	ng/ul#	99
87) Chrysene	21.77	228	223226	2.747	ng/ul	99
89) Di-n-octyl phthalate	22.54	149	218732	2.664	ng/ul	100
90) Benzo(b)fluoranthene	23.40	252	219962	2.753	ng/ul	100
91) Benzo(k)fluoranthene	23.45	252	212842	2.760	ng/ul	98
93) Benzo(a)pyrene	24.03	252	194487	2.675	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.60	276	226797	2.541	ng/ul	97
95) Dibenzo(a,h)anthracene	26.62	278	197043	2.612	ng/ul	99
96) Benzo(g,h,i)perylene	27.37	276	191678	2.545	ng/ul	99

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

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