Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM030223\
Data File : BM038833.D
Acq On : 02 Mar 2023 12:30
Operator : CG/JU
Sample : 01378-06
Misc : SFAM-MDL-ME-SOIL-02
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-MED-SOIL-QT1-2023-02

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/03/2023
Supervised By :Jagrut Upadhyay 03/03/2023

Quant Time: Mar 02 13:30:48 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM022823.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 01 02:09:21 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.010	152	236236	20.000	ng/ul	0.00
20) Naphthalene-d8	10.827	136	1065594	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.645	164	669412	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.392	188	1483092	20.000	ng/ul	0.00
79) Chrysene-d12	21.568	240	1576765	20.000	ng/ul	0.00
88) Perylene-d12	24.027	264	1846595	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.381	96	31334	4.953	ng/uL	0.00
4) Pyridine-d5	3.804	84	262637	15.099	ng/ul	0.00
7) Phenol-d5	7.157	99	403488	18.218	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.334	67	264982	18.725	ng/ul	0.00
11) 2-Chlorophenol-d4	7.534	132	316005	19.148	ng/ul	0.00
15) 4-Methylphenol-d8	8.710	113	305294	17.497	ng/ul	0.00
21) Nitrobenzene-d5	9.175	128	146156	19.538	ng/ul	0.00
24) 2-Nitrophenol-d4	9.898	143	136363	19.453	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.433	165	293375	18.011	ng/ul	0.00
31) 4-Chloroaniline-d4	10.957	131	466085	17.167	ng/ul	0.00
46) Dimethylphthalate-d6	14.057	166	970726	18.723	ng/ul	0.00
49) Acenaphthylene-d8	14.339	160	1110572	18.326	ng/ul	0.00
54) 4-Nitrophenol-d4	14.821	143	167850	16.172	ng/ul	0.00
60) Fluorene-d10	15.633	176	861848	18.848	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.745	200	107755	13.975	ng/ul	0.00
73) Anthracene-d10	17.486	188	1295979	17.721	ng/ul	0.00
81) Pyrene-d10	19.774	212	1652790	19.058	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.868	264	1806296	19.411	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.416	88	9776	1.438	ng/uL#	86
5) Pyridine	3.828	79	72301	3.861	ng/ul#	79
6) Benzaldehyde	7.139	77	53311m	4.970	ng/ul	
8) Phenol	7.181	94	107673	4.542	ng/ul	100
10) Bis(2-Chloroethyl)ether	7.428	93	85330	4.521	ng/ul	99
12) 2-Chlorophenol	7.563	128	79152	4.657	ng/ul	99
13) 2-Methylphenol	8.445	108	74103	4.182	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.539	45	108056m	4.561	ng/ul	
16) Acetophenone	8.834	105	141402	4.663	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.816	70	62469	4.485	ng/ul	98
18) 4-Methylphenol	8.775	108	85976	4.370	ng/ul	95
19) Hexachloroethane	9.098	117	30199	4.435	ng/ul	98
22) Nitrobenzene	9.216	77	95786	4.680	ng/ul	99
23) Isophorone	9.745	82	177411	4.262	ng/ul	97
25) 2-Nitrophenol	9.933	139	38845	4.673	ng/ul	99
26) 2,4-Dimethylphenol	9.986	107	80585	3.946	ng/ul	97
27) Bis(2-Chloroethoxy)met...	10.233	93	117751	4.609	ng/ul	100
29) 2,4-Dichlorophenol	10.463	162	80029	4.847	ng/ul	98
30) Naphthalene	10.875	128	289795	4.766	ng/ul	98
32) 4-Chloroaniline	10.980	127	123924	4.508	ng/ul	95
33) Hexachlorobutadiene	11.169	225	49006	4.770	ng/ul	98
34) Caprolactam	11.745	113	24592m	4.343	ng/ul	
35) 4-Chloro-3-methylphenol	12.092	107	78716	4.217	ng/ul	98
36) 2-Methylnaphthalene	12.480	142	190160	4.791	ng/ul	100

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Quant Title : SVOA CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.698	142	153541	3.840	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.845	216	100143	5.001	ng/ul	99
40) Hexachlorocyclopentadiene	12.827	237	55137	5.104	ng/ul#	92
41) 2,4,6-Trichlorophenol	13.080	196	54304	4.300	ng/ul	100
42) 2,4,5-Trichlorophenol	13.145	196	61553m	4.428	ng/ul	
43) 1,1'-Biphenyl	13.486	154	261813	4.959	ng/ul	98
44) 2-Chloronaphthalene	13.527	162	204919	4.921	ng/ul	99
45) 2-Nitroaniline	13.721	65	36019	3.833	ng/ul	93
47) Dimethylphthalate	14.104	163	259013	4.929	ng/ul	99
48) 2,6-Dinitrotoluene	14.216	165	30595	3.680	ng/ul	91
50) Acenaphthylene	14.368	152	330326	4.915	ng/ul	99
51) 3-Nitroaniline	14.539	138	37953	3.637	ng/ul	95
52) Acenaphthene	14.710	153	229455	4.960	ng/ul	98
53) 2,4-Dinitrophenol	14.745	184	25042	5.298	ng/ul	96
55) 4-Nitrophenol	14.833	109	38332	4.624	ng/ul	94
56) Dibenzofuran	15.045	168	322972	5.029	ng/ul	97
57) 2,4-Dinitrotoluene	14.998	165	50944	3.964	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	15.262	232	53297	4.404	ng/ul	94
59) Diethylphthalate	15.462	149	245137	4.715	ng/ul	98
61) Fluorene	15.692	166	267337	4.965	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.686	204	130293	5.012	ng/ul	98
63) 4-Nitroaniline	15.698	138	43378m	4.019	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.757	198	33027	4.139	ng/ul#	96
67) N-Nitrosodiphenylamine	15.898	169	207044	4.616	ng/ul	98
68) 4-Bromophenyl-phenylether	16.580	248	70115	4.593	ng/ul	95
69) Hexachlorobenzene	16.692	284	90621	4.901	ng/ul	99
70) Atrazine	16.845	200	60049	3.957	ng/ul	98
71) Pentachlorophenol	17.033	266	44284	3.939	ng/ul	98
72) Phenanthrene	17.427	178	424735	4.957	ng/ul	99
74) Anthracene	17.521	178	406436	4.658	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.445	216	79455	3.801	ng/uL	98
76) Pentachlorobenzene	14.963	250	77888	3.627	ng/uL	98
77) Carbazole	17.786	167	369259	4.558	ng/ul	99
78) Di-n-butylphthalate	18.362	149	351512	4.264	ng/ul	99
80) Fluoranthene	19.439	202	471039	4.723	ng/ul	98
82) Pyrene	19.803	202	543841	4.972	ng/ul	99
83) Butylbenzylphthalate	20.709	149	118903	4.091	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.486	252	114974	3.721	ng/ul	99
85) Benzo(a)anthracene	21.550	228	526898	4.836	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.491	149	204213	4.227	ng/ul	98
87) Chrysene	21.609	228	537180	5.042	ng/ul	99
89) Di-n-octyl phthalate	22.444	149	303607	3.270	ng/ul	100
90) Benzo(b)fluoranthene	23.274	252	547201	4.773	ng/ul	99
91) Benzo(k)fluoranthene	23.321	252	586255	4.978	ng/ul	98
93) Benzo(a)pyrene	23.915	252	530551	4.995	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.585	276	675857	4.814	ng/ul	98
95) Dibenzo(a,h)anthracene	26.609	278	571813	4.828	ng/ul	98
96) Benzo(g,h,i)perylene	27.368	276	571334	4.970	ng/ul	98

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

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