Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081822\
Data File : BM036349.D
Acq On : 18 Aug 2022 17:06
Operator : CG/JU
Sample : N3670-05
Misc : MDL-MED-SOIL-4ppm
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 18 17:35:35 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM081622.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 16 15:00:33 2022
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
MDL-MED-SOIL-QT2-2022-03

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/19/2022
Supervised By :Sohil Jodhani 08/22/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.798	152	259343	20.000	ng/ul	0.00
20) Naphthalene-d8	10.598	136	1134027	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.439	164	662184	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.186	188	1305022	20.000	ng/ul	0.00
79) Chrysene-d12	21.368	240	1242804	20.000	ng/ul	0.00
88) Perylene-d12	23.697	264	1295484	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.204	96	24929	3.663	ng/uL	0.00
4) Pyridine-d5	3.634	84	301391	16.061	ng/ul	0.00
7) Phenol-d5	6.975	99	409100	18.480	ng/ul	-0.01
9) Bis-(2-Chloroethyl)eth...	7.134	67	265547	19.057	ng/ul	0.00
11) 2-Chlorophenol-d4	7.328	132	339505	19.519	ng/ul	0.00
15) 4-Methylphenol-d8	8.522	113	318389	19.263	ng/ul	0.00
21) Nitrobenzene-d5	8.969	128	166273	19.338	ng/ul	0.00
24) 2-Nitrophenol-d4	9.686	143	167777	19.238	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.227	165	295471	18.961	ng/ul	0.00
31) 4-Chloroaniline-d4	10.745	131	450818	18.661	ng/ul	-0.01
46) Dimethylphthalate-d6	13.863	166	843300	20.130	ng/ul	0.00
49) Acenaphthylene-d8	14.133	160	1123496	21.502	ng/ul	0.00
54) 4-Nitrophenol-d4	14.668	143	130187	16.401	ng/ul	-0.01
60) Fluorene-d10	15.433	176	746647	19.724	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.568	200	99510	14.832	ng/ul	0.00
73) Anthracene-d10	17.286	188	1122730	19.348	ng/ul	0.00
81) Pyrene-d10	19.574	212	1251861	19.418	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.544	264	1219797	19.204	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.246	88	7461	1.041	ng/uL	91
5) Pyridine	3.657	79	80838	4.170	ng/ul	95
6) Benzaldehyde	6.945	77	51672	5.683	ng/ul	89
8) Phenol	7.004	94	95673	4.157	ng/ul	97
10) Bis(2-Chloroethyl)ether	7.228	93	77864	4.230	ng/ul	98
12) 2-Chlorophenol	7.363	128	79297	4.360	ng/ul	99
13) 2-Methylphenol	8.257	108	68563	4.041	ng/ul	92
14) 2,2'-oxybis(1-Chloropr...	8.339	45	109377m	4.441	ng/ul	
16) Acetophenone	8.628	105	113758	4.279	ng/ul	95
17) N-Nitroso-di-n-propyla...	8.616	70	55866	4.222	ng/ul	98
18) 4-Methylphenol	8.586	108	75264	4.144	ng/ul	96
19) Hexachloroethane	8.869	117	32172	4.228	ng/ul	91
22) Nitrobenzene	9.010	77	86520	4.247	ng/ul	97
23) Isophorone	9.533	82	149007	4.119	ng/ul	97
25) 2-Nitrophenol	9.722	139	39437	4.059	ng/ul	96
26) 2,4-Dimethylphenol	9.786	107	81948	4.217	ng/ul	98
27) Bis(2-Chloroethoxy)met...	10.022	93	99376	4.219	ng/ul	100
29) 2,4-Dichlorophenol	10.257	162	66509	4.172	ng/ul	96
30) Naphthalene	10.645	128	255982	4.301	ng/ul	99
32) 4-Chloroaniline	10.775	127	102471	4.170	ng/ul	99
33) Hexachlorobutadiene	10.922	225	41791	4.172	ng/ul	98
34) Caprolactam	11.569	113	19933m	4.173	ng/ul	
35) 4-Chloro-3-methylphenol	11.910	107	64320	3.990	ng/ul	97
36) 2-Methylnaphthalene	12.263	142	157426	4.216	ng/ul	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.480	142	166209	4.419	ng/ul#	95
39) 1,2,4,5-Tetrachloroben...	12.633	216	75962	4.150	ng/ul	98
40) Hexachlorocyclopentadiene	12.604	237	51821	4.773	ng/ul	98
41) 2,4,6-Trichlorophenol	12.886	196	44539	3.867	ng/ul	99
42) 2,4,5-Trichlorophenol	12.963	196	45800	3.749	ng/ul	93
43) 1,1'-Biphenyl	13.274	154	204520	4.107	ng/ul	99
44) 2-Chloronaphthalene	13.316	162	158640	4.151	ng/ul	99
45) 2-Nitroaniline	13.539	65	38633	3.733	ng/ul	91
47) Dimethylphthalate	13.910	163	185035	4.291	ng/ul	99
48) 2,6-Dinitrotoluene	14.033	165	30778	3.783	ng/ul#	85
50) Acenaphthylene	14.163	152	266634	4.327	ng/ul	99
51) 3-Nitroaniline	14.368	138	30015	3.373	ng/ul	92
52) Acenaphthene	14.504	153	170907	4.256	ng/ul	99
53) 2,4-Dinitrophenol	14.586	184	20187	4.553	ng/ul	91
55) 4-Nitrophenol	14.686	109	31542	5.029	ng/ul	90
56) Dibenzofuran	14.839	168	237382	4.260	ng/ul	99
57) 2,4-Dinitrotoluene	14.821	165	46348	4.017	ng/ul	90
58) 2,3,4,6-Tetrachlorophenol	15.074	232	38115	4.109	ng/ul#	93
59) Diethylphthalate	15.268	149	180679	4.250	ng/ul	98
61) Fluorene	15.486	166	189205	4.281	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.486	204	88290	4.276	ng/ul	98
63) 4-Nitroaniline	15.527	138	32260m	3.887	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.580	198	27527	4.058	ng/ul#	78
67) N-Nitrosodiphenylamine	15.704	169	152354	4.084	ng/ul	97
68) 4-Bromophenyl-phenylether	16.380	248	47890	3.963	ng/ul	97
69) Hexachlorobenzene	16.486	284	59294	4.049	ng/ul	97
70) Atrazine	16.656	200	63764	5.002	ng/ul	96
71) Pentachlorophenol	16.845	266	48259	5.978	ng/ul	98
72) Phenanthrene	17.227	178	292249	4.260	ng/ul	99
74) Anthracene	17.315	178	292368	4.251	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.239	216	78236	3.995	ng/uL	97
76) Pentachlorobenzene	14.757	250	83194	4.550	ng/uL	98
77) Carbazole	17.598	167	249742	3.878	ng/ul	99
78) Di-n-butylphthalate	18.156	149	272440	3.868	ng/ul	99
80) Fluoranthene	19.245	202	309870	3.977	ng/ul	98
82) Pyrene	19.609	202	338265	4.160	ng/ul	97
83) Butylbenzylphthalate	20.509	149	114239	3.756	ng/ul	90
84) 3,3'-Dichlorobenzidine	21.297	252	97032	3.791	ng/ul	99
85) Benzo(a)anthracene	21.350	228	311842	4.175	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.286	149	162335	3.865	ng/ul	98
87) Chrysene	21.403	228	305094	4.157	ng/ul	99
89) Di-n-octyl phthalate	22.186	149	282966	3.674	ng/ul	100
90) Benzo(b)fluoranthene	22.985	252	319840	4.049	ng/ul	98
91) Benzo(k)fluoranthene	23.033	252	310517	4.132	ng/ul	99
93) Benzo(a)pyrene	23.591	252	328689	4.230	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.109	276	370475	4.055	ng/ul	95
95) Dibenzo(a,h)anthracene	26.126	278	316326	4.019	ng/ul	98
96) Benzo(g,h,i)perylene	26.850	276	314608	4.027	ng/ul	96

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

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