Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG010523\
Data File : BG056213.D
Acq On : 5 Jan 2023 14:30
Operator : CG/JU
Sample : N5388-05
Misc : SFAM-MDL-MES-01-4PPM
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-MED-SOIL-QT4-2022-07

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/06/2023
Supervised By :mohammad ahmed 01/06/2023

Quant Time: Jan 05 15:13:15 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG010423.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jan 05 01:03:13 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.329	152	49516	20.000	ng/ul	0.00
20) Naphthalene-d8	11.161	136	197972	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.945	164	171055	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.677	188	450218	20.000	ng/ul	0.00
79) Chrysene-d12	21.978	240	418513	20.000	ng/ul	0.00
88) Perylene-d12	25.439	264	432361	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.629	96	4898m	4.480	ng/uL	0.00
4) Pyridine-d5	4.064	84	39659	11.356	ng/ul	0.00
7) Phenol-d5	7.460	99	70143	16.057	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.636	67	32015	17.872	ng/ul	0.00
11) 2-Chlorophenol-d4	7.853	132	47402	16.217	ng/ul	0.00
15) 4-Methylphenol-d8	9.023	113	55033	15.810	ng/ul	0.00
21) Nitrobenzene-d5	9.504	128	25532	16.332	ng/ul	0.00
24) 2-Nitrophenol-d4	10.233	143	34692	16.969	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.768	165	62890	15.432	ng/ul	0.00
31) 4-Chloroaniline-d4	11.285	131	73454	16.016	ng/ul	0.00
46) Dimethylphthalate-d6	14.334	166	227056	16.729	ng/ul	0.00
49) Acenaphthylene-d8	14.640	160	243772	16.350	ng/ul	0.00
54) 4-Nitrophenol-d4	15.110	143	32462	15.151	ng/ul	0.00
60) Fluorene-d10	15.926	176	210571	16.610	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.032	200	45436	14.364	ng/ul	0.00
73) Anthracene-d10	17.777	188	340051	16.433	ng/ul	0.00
81) Pyrene-d10	20.039	212	404201	16.507	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.192	264	370319	16.702	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.664	88	1292m	1.060	ng/uL	
5) Pyridine	4.087	79	11275	3.298	ng/ul#	77
6) Benzaldehyde	7.460	77	8266	5.394	ng/ul	89
8) Phenol	7.489	94	18712	4.338	ng/ul	97
10) Bis(2-Chloroethyl)ether	7.730	93	13544	4.535	ng/ul	97
12) 2-Chlorophenol	7.883	128	12793	4.451	ng/ul#	91
13) 2-Methylphenol	8.758	108	13882	4.188	ng/ul	93
14) 2,2'-oxybis(1-Chloropr...	8.858	45	2401m	4.423	ng/ul	
16) Acetophenone	9.158	105	22966	4.288	ng/ul#	88
17) N-Nitroso-di-n-propyla...	9.128	70	10169	4.286	ng/ul#	95
18) 4-Methylphenol	9.081	108	15246	4.235	ng/ul	95
19) Hexachloroethane	9.428	117	5146	4.600	ng/ul	88
22) Nitrobenzene	9.546	77	15310	4.313	ng/ul	89
23) Isophorone	10.063	82	31557	4.217	ng/ul	94
25) 2-Nitrophenol	10.262	139	8283	4.199	ng/ul	97
26) 2,4-Dimethylphenol	10.304	107	17286	4.278	ng/ul	99
27) Bis(2-Chloroethoxy)met...	10.544	93	18553	4.426	ng/ul#	94
29) 2,4-Dichlorophenol	10.797	162	16791	4.370	ng/ul	97
30) Naphthalene	11.214	128	45470	4.388	ng/ul	97
32) 4-Chloroaniline	11.314	127	19787	4.223	ng/ul	92
33) Hexachlorobutadiene	11.496	225	14641	4.442	ng/ul	99
34) Caprolactam	12.060	113	5412m	4.488	ng/ul	
35) 4-Chloro-3-methylphenol	12.401	107	14970	3.971	ng/ul	93
36) 2-Methylnaphthalene	12.795	142	33437	4.225	ng/ul	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.012	142	27801	3.415	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	13.153	216	29099	4.394	ng/ul	90
40) Hexachlorocyclopentadiene	13.130	237	13646	3.031	ng/ul	97
41) 2,4,6-Trichlorophenol	13.382	196	17728	4.217	ng/ul#	94
42) 2,4,5-Trichlorophenol	13.453	196	18675	4.084	ng/ul	94
43) 1,1'-Biphenyl	13.782	154	53602	4.354	ng/ul	95
44) 2-Chloronaphthalene	13.829	162	44531	4.410	ng/ul	99
45) 2-Nitroaniline	14.023	65	7808	4.052	ng/ul	97
47) Dimethylphthalate	14.375	163	57879	4.315	ng/ul	98
48) 2,6-Dinitrotoluene	14.505	165	11333	4.024	ng/ul	99
50) Acenaphthylene	14.669	152	64385	4.263	ng/ul	97
51) 3-Nitroaniline	14.834	138	10569	4.955	ng/ul	95
52) Acenaphthene	15.004	153	44963	4.303	ng/ul	99
53) 2,4-Dinitrophenol	15.039	184	10698	5.311	ng/ul	95
55) 4-Nitrophenol	15.116	109	8120	4.052	ng/ul	90
56) Dibenzofuran	15.333	168	71157	4.405	ng/ul	91
57) 2,4-Dinitrotoluene	15.286	165	16550	4.124	ng/ul	95
58) 2,3,4,6-Tetrachlorophenol	15.556	232	17281	3.903	ng/ul#	97
59) Diethylphthalate	15.727	149	52719	4.227	ng/ul	96
61) Fluorene	15.979	166	56179	4.318	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.962	204	35864	4.409	ng/ul	97
63) 4-Nitroaniline	15.985	138	9488	4.862	ng/ul	95
66) 4,6-Dinitro-2-methylph...	16.044	198	14439	4.782	ng/ul#	95
67) N-Nitrosodiphenylamine	16.173	169	51436	4.281	ng/ul	97
68) 4-Bromophenyl-phenylether	16.861	248	25011	4.331	ng/ul	95
69) Hexachlorobenzene	16.984	284	24224	4.236	ng/ul	96
70) Atrazine	17.107	200	32224	5.884	ng/ul	98
71) Pentachlorophenol	17.319	266	15431	4.231	ng/ul	92
72) Phenanthrene	17.724	178	99006	4.313	ng/ul	99
74) Anthracene	17.812	178	97768	4.195	ng/ul	96
75) 1,2,3,4-Tetrachloroben...	13.752	216	22789	3.358	ng/uL	95
76) Pentachlorobenzene	15.257	250	23005	3.313	ng/uL	94
77) Carbazole	18.077	167	81608	4.266	ng/ul	95
78) Di-n-butylphthalate	18.606	149	85239	4.223	ng/ul	99
80) Fluoranthene	19.710	202	125791	4.344	ng/ul	99
82) Pyrene	20.069	202	123157	4.252	ng/ul	97
83) Butylbenzylphthalate	20.932	149	35082	4.130	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.855	252	65308	6.600	ng/ul	95
85) Benzo(a)anthracene	21.955	228	122583	4.248	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.825	149	51477	4.191	ng/ul	98
87) Chrysene	22.025	228	118005	4.397	ng/ul	100
89) Di-n-octyl phthalate	23.112	149	89704	4.519	ng/ul	100
90) Benzo(b)fluoranthene	24.322	252	135737	4.702	ng/ul#	98
91) Benzo(k)fluoranthene	24.399	252	127648	4.519	ng/ul#	96
93) Benzo(a)pyrene	25.268	252	122762	4.857	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	29.405	276	224307	6.747	ng/ul	97
95) Dibenzo(a,h)anthracene	29.481	278	189451	6.819	ng/ul	98
96) Benzo(g,h,i)perylene	30.656	276	205032m	7.629	ng/ul	

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

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