Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG010623\
Data File : BG056224.D
Acq On : 6 Jan 2023 14:19
Operator : CG/JU
Sample : N5388-06
Misc : SFAM-MDL-MES-02-4PPM
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-MED-SOIL-QT4-2022-08

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/09/2023
Supervised By :mohammad ahmed 01/09/2023

Quant Time: Jan 06 15:04:09 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	58845	20.000	ng/ul	0.00
20) Naphthalene-d8	11.161	136	239242	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.945	164	203865	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.683	188	506112	20.000	ng/ul	0.00
79) Chrysene-d12	21.978	240	484477	20.000	ng/ul	0.00
88) Perylene-d12	25.439	264	490907	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.623	96	5704	4.390	ng/uL	-0.01
4) Pyridine-d5	4.064	84	49960	12.038	ng/ul	0.00
7) Phenol-d5	7.460	99	86871	16.734	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.636	67	37563	17.645	ng/ul	0.00
11) 2-Chlorophenol-d4	7.853	132	57874	16.661	ng/ul	0.00
15) 4-Methylphenol-d8	9.017	113	65926	15.937	ng/ul	-0.01
21) Nitrobenzene-d5	9.504	128	29386	15.555	ng/ul	0.00
24) 2-Nitrophenol-d4	10.227	143	39251	15.887	ng/ul	-0.01
28) 2,4-Dichlorophenol-d3	10.768	165	76386	15.510	ng/ul	0.00
31) 4-Chloroaniline-d4	11.291	131	86310	15.573	ng/ul	0.00
46) Dimethylphthalate-d6	14.328	166	256667	15.867	ng/ul	0.00
49) Acenaphthylene-d8	14.640	160	285876	16.088	ng/ul	0.00
54) 4-Nitrophenol-d4	15.104	143	37796	14.801	ng/ul	0.00
60) Fluorene-d10	15.926	176	235999	15.620	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.032	200	49557	13.936	ng/ul	0.00
73) Anthracene-d10	17.777	188	378432	16.268	ng/ul	0.00
81) Pyrene-d10	20.045	212	462497	16.316	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.198	264	427719	16.990	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.670	88	1630m	1.125	ng/uL	
5) Pyridine	4.087	79	13986	3.442	ng/ul#	83
6) Benzaldehyde	7.454	77	9585	5.263	ng/ul#	87
8) Phenol	7.483	94	22020	4.295	ng/ul	96
10) Bis(2-Chloroethyl)ether	7.730	93	15622	4.401	ng/ul	93
12) 2-Chlorophenol	7.883	128	15238	4.461	ng/ul	97
13) 2-Methylphenol	8.758	108	16922	4.296	ng/ul	92
14) 2,2'-oxybis(1-Chloropr...	8.852	45	3005	4.658	ng/ul#	73
16) Acetophenone	9.152	105	27576	4.333	ng/ul	94
17) N-Nitroso-di-n-propyla...	9.128	70	11842	4.200	ng/ul	96
18) 4-Methylphenol	9.087	108	19275	4.506	ng/ul	89
19) Hexachloroethane	9.422	117	5897	4.436	ng/ul#	81
22) Nitrobenzene	9.546	77	19555	4.558	ng/ul#	89
23) Isophorone	10.063	82	37609	4.159	ng/ul	96
25) 2-Nitrophenol	10.262	139	9979	4.186	ng/ul	97
26) 2,4-Dimethylphenol	10.303	107	19557	4.005	ng/ul	99
27) Bis(2-Chloroethoxy)met...	10.538	93	21905	4.324	ng/ul	99
29) 2,4-Dichlorophenol	10.797	162	19114	4.116	ng/ul#	87
30) Naphthalene	11.214	128	53554	4.277	ng/ul#	94
32) 4-Chloroaniline	11.308	127	22847	4.035	ng/ul#	89
33) Hexachlorobutadiene	11.490	225	17542	4.404	ng/ul	99
34) Caprolactam	12.054	113	7026m	4.821	ng/ul	
35) 4-Chloro-3-methylphenol	12.401	107	17390	3.817	ng/ul	98
36) 2-Methylnaphthalene	12.795	142	40659	4.251	ng/ul	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.012	142	31609	3.213	ng/ul#	89
39) 1,2,4,5-Tetrachloroben...	13.153	216	34594	4.384	ng/ul	95
40) Hexachlorocyclopentadiene	13.130	237	14681	2.737	ng/ul	98
41) 2,4,6-Trichlorophenol	13.382	196	20205	4.032	ng/ul	95
42) 2,4,5-Trichlorophenol	13.453	196	21464	3.938	ng/ul	96
43) 1,1'-Biphenyl	13.782	154	63126	4.302	ng/ul	94
44) 2-Chloronaphthalene	13.829	162	50081	4.161	ng/ul	97
45) 2-Nitroaniline	14.023	65	8581	3.736	ng/ul	90
47) Dimethylphthalate	14.375	163	66139	4.137	ng/ul	98
48) 2,6-Dinitrotoluene	14.504	165	13642	4.064	ng/ul	98
50) Acenaphthylene	14.669	152	74551	4.142	ng/ul#	95
51) 3-Nitroaniline	14.833	138	11436	4.498	ng/ul#	97
52) Acenaphthene	15.004	153	52479	4.214	ng/ul	98
53) 2,4-Dinitrophenol	15.039	184	11823	4.925	ng/ul	90
55) 4-Nitrophenol	15.121	109	9019	3.776	ng/ul	93
56) Dibenzofuran	15.339	168	80260	4.169	ng/ul	92
57) 2,4-Dinitrotoluene	15.286	165	18794	3.929	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	15.556	232	19342	3.666	ng/ul	96
59) Diethylphthalate	15.727	149	60522	4.072	ng/ul	98
61) Fluorene	15.979	166	64424	4.155	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.962	204	42563	4.390	ng/ul	96
63) 4-Nitroaniline	15.985	138	10556	4.539	ng/ul#	91
66) 4,6-Dinitro-2-methylph...	16.044	198	15030	4.428	ng/ul#	89
67) N-Nitrosodiphenylamine	16.173	169	59012	4.369	ng/ul	93
68) 4-Bromophenyl-phenylether	16.855	248	28062	4.323	ng/ul	98
69) Hexachlorobenzene	16.984	284	26769	4.164	ng/ul	100
70) Atrazine	17.107	200	37339	6.065	ng/ul	95
71) Pentachlorophenol	17.325	266	15218m	3.712	ng/ul	
72) Phenanthrene	17.724	178	108982	4.223	ng/ul	99
74) Anthracene	17.812	178	110433	4.215	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.752	216	26584	3.485	ng/uL	99
76) Pentachlorobenzene	15.256	250	27015	3.461	ng/uL	90
77) Carbazole	18.077	167	91464	4.253	ng/ul	99
78) Di-n-butylphthalate	18.605	149	94032	4.144	ng/ul	99
80) Fluoranthene	19.710	202	141493	4.221	ng/ul	98
82) Pyrene	20.074	202	139298	4.155	ng/ul	97
83) Butylbenzylphthalate	20.932	149	40321	4.101	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.855	252	61520	5.370	ng/ul	98
85) Benzo(a)anthracene	21.955	228	139780	4.184	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.825	149	57553	4.048	ng/ul	96
87) Chrysene	22.025	228	130019	4.185	ng/ul	99
89) Di-n-octyl phthalate	23.112	149	100074	4.440	ng/ul	100
90) Benzo(b)fluoranthene	24.328	252	140241	4.279	ng/ul	99
91) Benzo(k)fluoranthene	24.399	252	142044m	4.429	ng/ul	
93) Benzo(a)pyrene	25.262	252	128059	4.463	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	29.405	276	165421	4.382	ng/ul#	94
95) Dibenzo(a,h)anthracene	29.463	278	139976m	4.437	ng/ul	
96) Benzo(g,h,i)perylene	30.650	276	134127	4.395	ng/ul	99

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

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