Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022423\
Data File : BG056719.D
Acq On : 24 Feb 2023 12:34
Operator : CG/JU
Sample : 01378-03
Misc : SFAM-MDL-SOIL-01
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 24 13:09:32 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG022323.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Feb 23 15:40:42 2023
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-QT1-2023-01

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/27/2023
Supervised By :Jagrut Upadhyay 02/27/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.415	152	17115	20.000	ng/ul	0.00
20) Naphthalene-d8	11.258	136	77312	20.000	ng/ul	0.00
38) Acenaphthene-d10	15.025	164	61239	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.757	188	156833	20.000	ng/ul	0.00
79) Chrysene-d12	22.069	240	141588	20.000	ng/ul	0.00
88) Perylene-d12	25.600	264	142341	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.703	96	1236	4.006	ng/uL	0.00
4) Pyridine-d5	4.137	84	16639m	13.361	ng/ul	0.00
7) Phenol-d5	7.539	99	30178	17.620	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.715	67	18639	17.841	ng/ul	0.00
11) 2-Chlorophenol-d4	7.945	132	20364	17.905	ng/ul	0.00
15) 4-Methylphenol-d8	9.108	113	23543	17.990	ng/ul	0.00
21) Nitrobenzene-d5	9.596	128	11402	17.598	ng/ul	0.00
24) 2-Nitrophenol-d4	10.324	143	14010	18.166	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.865	165	25304	17.416	ng/ul	0.00
31) 4-Chloroaniline-d4	11.382	131	33565	17.712	ng/ul	0.00
46) Dimethylphthalate-d6	14.414	166	89800	18.175	ng/ul	0.00
49) Acenaphthylene-d8	14.725	160	99658	17.747	ng/ul	0.00
54) 4-Nitrophenol-d4	15.177	143	14818	17.395	ng/ul	0.00
60) Fluorene-d10	16.006	176	81464	17.824	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.106	200	16793	16.004	ng/ul	0.00
73) Anthracene-d10	17.857	188	130413	17.140	ng/ul	0.00
81) Pyrene-d10	20.119	212	159370	16.634	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.354	264	135948	17.695	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.738	88	395m	1.038	ng/uL	
5) Pyridine	4.161	79	5057	3.834	ng/ul	91
6) Benzaldehyde	7.539	77	4271	4.760	ng/ul	92
8) Phenol	7.563	94	7236	4.142	ng/ul	94
10) Bis(2-Chloroethyl)ether	7.815	93	5259	4.237	ng/ul#	87
12) 2-Chlorophenol	7.974	128	4792	4.254	ng/ul	90
13) 2-Methylphenol	8.844	108	5464	4.147	ng/ul	94
14) 2,2'-oxybis(1-Chloropr...	8.932	45	7507	4.501	ng/ul#	94
16) Acetophenone	9.243	105	9437	4.211	ng/ul	88
17) N-Nitroso-di-n-propyla...	9.214	70	5711	4.442	ng/ul	90
18) 4-Methylphenol	9.167	108	5631	3.933	ng/ul	83
19) Hexachloroethane	9.525	117	2013	4.203	ng/ul	95
22) Nitrobenzene	9.631	77	8272	4.403	ng/ul	98
23) Isophorone	10.154	82	15558	4.236	ng/ul#	92
25) 2-Nitrophenol	10.359	139	2997	3.937	ng/ul	97
26) 2,4-Dimethylphenol	10.389	107	6001	3.530	ng/ul	85
27) Bis(2-Chloroethoxy)met...	10.630	93	7720	4.158	ng/ul	96
29) 2,4-Dichlorophenol	10.882	162	5763	4.096	ng/ul	92
30) Naphthalene	11.311	128	17575	4.130	ng/ul#	97
32) 4-Chloroaniline	11.405	127	7675	4.089	ng/ul	98
33) Hexachlorobutadiene	11.587	225	4617	4.117	ng/ul	90
34) Caprolactam	12.140	113	2313	4.836	ng/ul	81
35) 4-Chloro-3-methylphenol	12.486	107	6377	3.945	ng/ul#	84
36) 2-Methylnaphthalene	12.880	142	12372	4.059	ng/ul	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.097	142	12510	4.163	ng/ul	94
39) 1,2,4,5-Tetrachloroben...	13.238	216	9003	4.147	ng/ul#	95
40) Hexachlorocyclopentadiene	13.221	237	6341	4.076	ng/ul	94
41) 2,4,6-Trichlorophenol	13.468	196	5788	3.990	ng/ul	98
42) 2,4,5-Trichlorophenol	13.532	196	6799	4.316	ng/ul	83
43) 1,1'-Biphenyl	13.867	154	19409	4.310	ng/ul	95
44) 2-Chloronaphthalene	13.914	162	16000	4.294	ng/ul	96
45) 2-Nitroaniline	14.096	65	5177	4.003	ng/ul	89
47) Dimethylphthalate	14.455	163	20886	4.157	ng/ul#	92
48) 2,6-Dinitrotoluene	14.584	165	3870	3.757	ng/ul	94
50) Acenaphthylene	14.754	152	23901	4.213	ng/ul	97
51) 3-Nitroaniline	14.913	138	4523	4.906	ng/ul#	78
52) Acenaphthene	15.089	153	16218	4.161	ng/ul	95
53) 2,4-Dinitrophenol	15.113	184	2896	4.389	ng/ul#	86
55) 4-Nitrophenol	15.195	109	3909	3.964	ng/ul	88
56) Dibenzofuran	15.418	168	24520	4.145	ng/ul	99
57) 2,4-Dinitrotoluene	15.359	165	6381	4.321	ng/ul#	95
58) 2,3,4,6-Tetrachlorophenol	15.636	232	5573	3.802	ng/ul#	91
59) Diethylphthalate	15.806	149	21360	4.247	ng/ul	94
61) Fluorene	16.065	166	21110	4.456	ng/ul	91
62) 4-Chlorophenyl-phenyle...	16.047	204	11823	4.214	ng/ul	98
63) 4-Nitroaniline	16.065	138	3836	4.259	ng/ul	89
66) 4,6-Dinitro-2-methylph...	16.117	198	4515	4.470	ng/ul#	98
67) N-Nitrosodiphenylamine	16.253	169	18231	4.180	ng/ul	95
68) 4-Bromophenyl-phenylether	16.940	248	8303	4.178	ng/ul	89
69) Hexachlorobenzene	17.063	284	8807	4.125	ng/ul	95
70) Atrazine	17.181	200	8641	4.562	ng/ul	98
71) Pentachlorophenol	17.404	266	4605	3.798	ng/ul#	87
72) Phenanthrene	17.798	178	35861	4.221	ng/ul	97
74) Anthracene	17.892	178	34595	4.030	ng/ul	96
75) 1,2,3,4-Tetrachloroben...	13.838	216	8704	3.628	ng/uL	93
76) Pentachlorobenzene	15.336	250	9004	3.700	ng/uL	98
77) Carbazole	18.150	167	31680	4.410	ng/ul	95
78) Di-n-butylphthalate	18.679	149	35016	4.230	ng/ul	98
80) Fluoranthene	19.784	202	44640	3.853	ng/ul#	97
82) Pyrene	20.142	202	45491	3.986	ng/ul	99
83) Butylbenzylphthalate	21.006	149	14754	4.075	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.946	252	15910	4.482	ng/ul	100
85) Benzo(a)anthracene	22.046	228	41408	4.018	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.911	149	21432	4.214	ng/ul	99
87) Chrysene	22.116	228	39597	4.126	ng/ul	98
89) Di-n-octyl phthalate	23.227	149	36730	4.746	ng/ul	100
90) Benzo(b)fluoranthene	24.461	252	43185	4.532	ng/ul	98
91) Benzo(k)fluoranthene	24.537	252	41133	4.432	ng/ul	99
93) Benzo(a)pyrene	25.430	252	37197	4.441	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	29.649	276	49014m	4.308	ng/ul	
95) Dibenzo(a,h)anthracene	29.725	278	40474m	4.254	ng/ul	
96) Benzo(g,h,i)perylene	30.929	276	38702m	4.258	ng/ul	

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

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