Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011023\
Data File : BG056240.D
Acq On : 10 Jan 2023 12:19
Operator : CG/JU
Sample : N4239-04
Misc : SFAM-MDL-S-02-4PPM
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-QT3-2022-06

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 01/10/2023
Supervised By :mohammad ahmed 01/12/2023

Quant Time: Jan 10 13:02:15 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	8.334	152	57840	20.000	ng/ul	0.00
20) Naphthalene-d8	11.166	136	225934	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.944	164	190572	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.676	188	480383	20.000	ng/ul	0.00
79) Chrysene-d12	21.977	240	484682	20.000	ng/ul	0.00
88) Perylene-d12	25.432	264	495437	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.634	96	5155	4.037	ng/uL	0.00
4) Pyridine-d5	4.069	84	53333	13.073	ng/ul	0.00
7) Phenol-d5	7.459	99	87695	17.186	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.635	67	38113	18.215	ng/ul	0.00
11) 2-Chlorophenol-d4	7.858	132	61353	17.969	ng/ul	0.00
15) 4-Methylphenol-d8	9.022	113	70269	17.282	ng/ul	0.00
21) Nitrobenzene-d5	9.503	128	32631	18.290	ng/ul	0.00
24) 2-Nitrophenol-d4	10.232	143	40128	17.199	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.767	165	79082	17.004	ng/ul	0.00
31) 4-Chloroaniline-d4	11.284	131	89538	17.107	ng/ul	0.00
46) Dimethylphthalate-d6	14.327	166	264826	17.514	ng/ul	0.00
49) Acenaphthylene-d8	14.638	160	295676	17.800	ng/ul	0.00
54) 4-Nitrophenol-d4	15.103	143	38359	16.070	ng/ul	0.00
60) Fluorene-d10	15.925	176	248834	17.618	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.031	200	51606	15.290	ng/ul	0.00
73) Anthracene-d10	17.776	188	386617	17.510	ng/ul	0.00
81) Pyrene-d10	20.038	212	485381	17.116	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.191	264	476600	18.759	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.669	88	1829m	1.285	ng/uL	
5) Pyridine	4.086	79	14967	3.748	ng/ul#	67
6) Benzaldehyde	7.459	77	9782	5.464	ng/ul	92
8) Phenol	7.488	94	21527	4.272	ng/ul	94
10) Bis(2-Chloroethyl)ether	7.729	93	14845	4.255	ng/ul	94
12) 2-Chlorophenol	7.888	128	14618	4.354	ng/ul	98
13) 2-Methylphenol	8.757	108	15727	4.062	ng/ul	94
14) 2,2'-oxybis(1-Chloropr...	8.857	45	2926m	4.614	ng/ul	
16) Acetophenone	9.157	105	26288	4.202	ng/ul	98
17) N-Nitroso-di-n-propyla...	9.127	70	11009	3.973	ng/ul#	88
18) 4-Methylphenol	9.080	108	16758	3.985	ng/ul	91
19) Hexachloroethane	9.433	117	6270	4.798	ng/ul	90
22) Nitrobenzene	9.544	77	17800	4.394	ng/ul#	94
23) Isophorone	10.061	82	34525	4.043	ng/ul	96
25) 2-Nitrophenol	10.267	139	9108	4.045	ng/ul#	91
26) 2,4-Dimethylphenol	10.302	107	17559	3.808	ng/ul	97
27) Bis(2-Chloroethoxy)met...	10.543	93	20532	4.292	ng/ul	97
29) 2,4-Dichlorophenol	10.796	162	18459	4.210	ng/ul	93
30) Naphthalene	11.213	128	51807	4.381	ng/ul	98
32) 4-Chloroaniline	11.313	127	21089	3.944	ng/ul	94
33) Hexachlorobutadiene	11.495	225	16998	4.519	ng/ul	98
34) Caprolactam	12.059	113	5980	4.345	ng/ul#	88
35) 4-Chloro-3-methylphenol	12.400	107	17348	4.033	ng/ul	94
36) 2-Methylnaphthalene	12.794	142	39562	4.380	ng/ul	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.011	142	36065	3.882	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	13.152	216	31587	4.282	ng/ul	94
40) Hexachlorocyclopentadiene	13.128	237	14683	2.928	ng/ul#	80
41) 2,4,6-Trichlorophenol	13.381	196	18189	3.883	ng/ul#	95
42) 2,4,5-Trichlorophenol	13.452	196	19264	3.781	ng/ul#	96
43) 1,1'-Biphenyl	13.781	154	60179	4.387	ng/ul	96
44) 2-Chloronaphthalene	13.828	162	48152	4.280	ng/ul	98
45) 2-Nitroaniline	14.016	65	7710	3.591	ng/ul	94
47) Dimethylphthalate	14.374	163	59978	4.013	ng/ul	99
48) 2,6-Dinitrotoluene	14.503	165	12027	3.833	ng/ul#	94
50) Acenaphthylene	14.668	152	70009	4.161	ng/ul	99
51) 3-Nitroaniline	14.832	138	10970	4.616	ng/ul	93
52) Acenaphthene	15.009	153	48183	4.139	ng/ul	99
53) 2,4-Dinitrophenol	15.038	184	9610	4.283	ng/ul	90
55) 4-Nitrophenol	15.114	109	7980	3.574	ng/ul	94
56) Dibenzofuran	15.332	168	77477	4.305	ng/ul	99
57) 2,4-Dinitrotoluene	15.285	165	17550	3.925	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.555	232	17851	3.619	ng/ul	97
59) Diethylphthalate	15.725	149	56912	4.096	ng/ul	97
61) Fluorene	15.978	166	60517	4.175	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.960	204	38676	4.267	ng/ul	98
63) 4-Nitroaniline	15.984	138	9844	4.528	ng/ul	89
66) 4,6-Dinitro-2-methylph...	16.043	198	13869	4.305	ng/ul#	92
67) N-Nitrosodiphenylamine	16.172	169	54891	4.282	ng/ul	97
68) 4-Bromophenyl-phenylether	16.854	248	25098	4.073	ng/ul	95
69) Hexachlorobenzene	16.983	284	26623	4.363	ng/ul	92
70) Atrazine	17.100	200	27831	4.763	ng/ul	92
71) Pentachlorophenol	17.318	266	13453m	3.457	ng/ul	
72) Phenanthrene	17.717	178	104257	4.257	ng/ul	97
74) Anthracene	17.811	178	101912	4.098	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.751	216	28912	3.993	ng/uL	98
76) Pentachlorobenzene	15.255	250	27280	3.682	ng/uL	95
77) Carbazole	18.070	167	88597	4.340	ng/ul	98
78) Di-n-butylphthalate	18.604	149	87892	4.081	ng/ul	99
80) Fluoranthene	19.709	202	134227	4.002	ng/ul	99
82) Pyrene	20.067	202	134790	4.019	ng/ul	98
83) Butylbenzylphthalate	20.925	149	38940	3.958	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.854	252	53405	4.660	ng/ul	95
85) Benzo(a)anthracene	21.953	228	139283	4.167	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.818	149	56643	3.982	ng/ul#	96
87) Chrysene	22.024	228	129974	4.182	ng/ul	99
89) Di-n-octyl phthalate	23.105	149	97080	4.268	ng/ul	100
90) Benzo(b)fluoranthene	24.321	252	144624	4.372	ng/ul#	96
91) Benzo(k)fluoranthene	24.392	252	140953	4.355	ng/ul#	96
93) Benzo(a)pyrene	25.267	252	123602	4.268	ng/ul#	93
94) Indeno(1,2,3-cd)pyrene	29.392	276	162395	4.263	ng/ul	96
95) Dibenzo(a,h)anthracene	29.468	278	134056	4.211	ng/ul	99
96) Benzo(g,h,i)perylene	30.643	276	131856	4.281	ng/ul#	99

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

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