Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG010923\
Data File : BG056233.D
Acq On : 9 Jan 2023 14:29
Operator : CG/JU
Sample : N4239-05
Misc : SFAM-MDL-MES-01-4PPM
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 09 15:18:53 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

Instrument :
BNA_G
ClientSampleId :
MDL-MED-SOIL-QT3-2022-05

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.329	152	49861	20.000	ng/ul	0.00
20) Naphthalene-d8	11.167	136	202510	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.939	164	169970	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.677	188	431815	20.000	ng/ul	0.00
79) Chrysene-d12	21.978	240	423207	20.000	ng/ul	0.00
88) Perylene-d12	25.439	264	443250	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.635	96	4701	4.270	ng/uL	0.00
4) Pyridine-d5	4.064	84	46563	13.240	ng/ul	0.00
7) Phenol-d5	7.460	99	76988	17.502	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.636	67	34877	19.335	ng/ul	0.00
11) 2-Chlorophenol-d4	7.854	132	54973	18.677	ng/ul	0.00
15) 4-Methylphenol-d8	9.017	113	62020	17.694	ng/ul	-0.01
21) Nitrobenzene-d5	9.505	128	29355	18.357	ng/ul	0.00
24) 2-Nitrophenol-d4	10.227	143	36165	17.293	ng/ul	-0.01
28) 2,4-Dichlorophenol-d3	10.768	165	71768	17.216	ng/ul	0.00
31) 4-Chloroaniline-d4	11.285	131	81722	17.420	ng/ul	0.00
46) Dimethylphthalate-d6	14.328	166	244447	18.125	ng/ul	0.00
49) Acenaphthylene-d8	14.640	160	268910	18.151	ng/ul	0.00
54) 4-Nitrophenol-d4	15.104	143	33556	15.761	ng/ul	0.00
60) Fluorene-d10	15.926	176	225278	17.883	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.026	200	46187	15.223	ng/ul	0.00
73) Anthracene-d10	17.777	188	364989	18.390	ng/ul	0.00
81) Pyrene-d10	20.039	212	446458	18.031	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.192	264	417335	18.360	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.664	88	1550m	1.263	ng/uL	
5) Pyridine	4.093	79	14069	4.087	ng/ul#	90
6) Benzaldehyde	7.460	77	9047m	5.862	ng/ul	
8) Phenol	7.489	94	18179	4.185	ng/ul#	90
10) Bis(2-Chloroethyl)ether	7.730	93	13449	4.472	ng/ul#	91
12) 2-Chlorophenol	7.889	128	12053	4.165	ng/ul	92
13) 2-Methylphenol	8.758	108	14401	4.315	ng/ul	96
14) 2,2'-oxybis(1-Chloropr...	8.852	45	2657	4.861	ng/ul#	73
16) Acetophenone	9.152	105	23211	4.304	ng/ul	94
17) N-Nitroso-di-n-propyla...	9.129	70	10579	4.428	ng/ul	96
18) 4-Methylphenol	9.087	108	15972	4.406	ng/ul	96
19) Hexachloroethane	9.428	117	5394	4.789	ng/ul	84
22) Nitrobenzene	9.546	77	15781	4.346	ng/ul	89
23) Isophorone	10.063	82	32469	4.242	ng/ul	94
25) 2-Nitrophenol	10.268	139	8463	4.194	ng/ul	95
26) 2,4-Dimethylphenol	10.304	107	17016	4.117	ng/ul	93
27) Bis(2-Chloroethoxy)met...	10.545	93	18732	4.369	ng/ul	98
29) 2,4-Dichlorophenol	10.797	162	16540	4.208	ng/ul	97
30) Naphthalene	11.214	128	45895	4.330	ng/ul	96
32) 4-Chloroaniline	11.314	127	19903	4.153	ng/ul	90
33) Hexachlorobutadiene	11.491	225	14755	4.376	ng/ul	98
34) Caprolactam	12.055	113	5734m	4.648	ng/ul	
35) 4-Chloro-3-methylphenol	12.395	107	15225	3.948	ng/ul	88
36) 2-Methylnaphthalene	12.795	142	34002	4.200	ng/ul	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.006	142	33039	3.968	ng/ul#	98
39) 1,2,4,5-Tetrachloroben...	13.153	216	28425	4.320	ng/ul	97
40) Hexachlorocyclopentadiene	13.130	237	15438	3.451	ng/ul#	91
41) 2,4,6-Trichlorophenol	13.382	196	16484	3.946	ng/ul	89
42) 2,4,5-Trichlorophenol	13.453	196	18400	4.050	ng/ul	95
43) 1,1'-Biphenyl	13.782	154	53050	4.336	ng/ul	99
44) 2-Chloronaphthalene	13.829	162	42817	4.267	ng/ul	93
45) 2-Nitroaniline	14.023	65	7643	3.992	ng/ul	92
47) Dimethylphthalate	14.375	163	55425	4.158	ng/ul	99
48) 2,6-Dinitrotoluene	14.505	165	11405	4.075	ng/ul#	97
50) Acenaphthylene	14.669	152	63041	4.201	ng/ul	100
51) 3-Nitroaniline	14.834	138	10019	4.727	ng/ul#	94
52) Acenaphthene	15.004	153	44277	4.264	ng/ul	94
53) 2,4-Dinitrophenol	15.039	184	7377	3.686	ng/ul	89
55) 4-Nitrophenol	15.122	109	6802	3.416	ng/ul	95
56) Dibenzofuran	15.339	168	68975	4.297	ng/ul	97
57) 2,4-Dinitrotoluene	15.280	165	16303	4.088	ng/ul	95
58) 2,3,4,6-Tetrachlorophenol	15.556	232	16098	3.659	ng/ul#	95
59) Diethylphthalate	15.727	149	52812	4.261	ng/ul	97
61) Fluorene	15.979	166	55981	4.330	ng/ul#	96
62) 4-Chlorophenyl-phenyle...	15.962	204	34801	4.305	ng/ul	96
63) 4-Nitroaniline	15.985	138	8948	4.614	ng/ul#	94
66) 4,6-Dinitro-2-methylph...	16.044	198	12271	4.238	ng/ul#	84
67) N-Nitrosodiphenylamine	16.173	169	51442	4.464	ng/ul	94
68) 4-Bromophenyl-phenylether	16.861	248	23856	4.307	ng/ul	98
69) Hexachlorobenzene	16.984	284	24128	4.399	ng/ul	98
70) Atrazine	17.102	200	22573	4.298	ng/ul	91
71) Pentachlorophenol	17.325	266	11941m	3.413	ng/ul	
72) Phenanthrene	17.718	178	96696	4.392	ng/ul	99
74) Anthracene	17.813	178	95908	4.291	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.753	216	27303	4.195	ng/uL	97
76) Pentachlorobenzene	15.257	250	26706	4.010	ng/uL	95
77) Carbazole	18.071	167	82418	4.492	ng/ul	98
78) Di-n-butylphthalate	18.606	149	79988	4.131	ng/ul	98
80) Fluoranthene	19.710	202	122095	4.170	ng/ul	99
82) Pyrene	20.069	202	124489	4.251	ng/ul#	97
83) Butylbenzylphthalate	20.932	149	33785	3.933	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.855	252	48547	4.851	ng/ul	95
85) Benzo(a)anthracene	21.955	228	124873	4.279	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.825	149	50361	4.055	ng/ul	98
87) Chrysene	22.025	228	114806	4.231	ng/ul	98
89) Di-n-octyl phthalate	23.106	149	87234	4.287	ng/ul	100
90) Benzo(b)fluoranthene	24.328	252	131773	4.453	ng/ul	98
91) Benzo(k)fluoranthene	24.393	252	128110m	4.424	ng/ul	
93) Benzo(a)pyrene	25.268	252	111594	4.307	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	29.411	276	151880	4.456	ng/ul	99
95) Dibenzo(a,h)anthracene	29.464	278	132463m	4.650	ng/ul	
96) Benzo(g,h,i)perylene	30.656	276	126925	4.606	ng/ul	97

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

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