Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022723\
Data File : BG056729.D
Acq On : 27 Feb 2023 13:37
Operator : CG/JU
Sample : 01378-06
Misc : SFAM-MDL-ME-SOIL-02
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 27 14:22:03 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-MED-SOIL-QT1-2023-02

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023

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Supervised By :Jagrut Upadhyay

02/28/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.418	152	15407	20.000	ng/ul	0.00
20) Naphthalene-d8	11.261	136	71402	20.000	ng/ul	0.00
38) Acenaphthene-d10	15.022	164	58898	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.760	188	153140	20.000	ng/ul	0.00
79) Chrysene-d12	22.066	240	147486	20.000	ng/ul	0.00
88) Perylene-d12	25.603	264	147798	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.700	96	1273	4.583	ng/uL	0.00
4) Pyridine-d5	4.140	84	15074	13.446	ng/ul	0.00
7) Phenol-d5	7.542	99	26410	17.130	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.718	67	17185	18.273	ng/ul	0.00
11) 2-Chlorophenol-d4	7.936	132	18773	18.335	ng/ul	-0.01
15) 4-Methylphenol-d8	9.105	113	20450	17.359	ng/ul	-0.01
21) Nitrobenzene-d5	9.593	128	9925	16.587	ng/ul	0.00
24) 2-Nitrophenol-d4	10.321	143	11954	16.783	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.862	165	22843	17.023	ng/ul	0.00
31) 4-Chloroaniline-d4	11.379	131	30904	17.658	ng/ul	0.00
46) Dimethylphthalate-d6	14.411	166	83023	17.471	ng/ul	0.00
49) Acenaphthylene-d8	14.722	160	93974	17.400	ng/ul	0.00
54) 4-Nitrophenol-d4	15.174	143	12489	15.243	ng/ul	0.00
60) Fluorene-d10	16.003	176	77157	17.553	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.103	200	15093	14.731	ng/ul	-0.01
73) Anthracene-d10	17.854	188	124180	16.715	ng/ul	0.00
81) Pyrene-d10	20.116	212	158369	15.868	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.351	264	142995	17.925	ng/ul	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.735	88	540	1.577	ng/uL	89
5) Pyridine	4.170	79	4952	4.171	ng/ul	98
6) Benzaldehyde	7.542	77	3859	4.778	ng/ul	93
8) Phenol	7.566	94	7058	4.488	ng/ul	91
10) Bis(2-Chloroethyl)ether	7.818	93	5370	4.806	ng/ul	91
12) 2-Chlorophenol	7.977	128	4250	4.192	ng/ul	96
13) 2-Methylphenol	8.841	108	4700	3.962	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.935	45	6824	4.545	ng/ul#	93
16) Acetophenone	9.240	105	8840	4.382	ng/ul	88
17) N-Nitroso-di-n-propyla...	9.217	70	5283	4.564	ng/ul	89
18) 4-Methylphenol	9.164	108	5344	4.146	ng/ul	82
19) Hexachloroethane	9.522	117	1962	4.550	ng/ul	93
22) Nitrobenzene	9.634	77	6848	3.947	ng/ul	94
23) Isophorone	10.151	82	14631	4.313	ng/ul#	95
25) 2-Nitrophenol	10.351	139	2635	3.748	ng/ul#	88
26) 2,4-Dimethylphenol	10.386	107	5609	3.572	ng/ul#	80
27) Bis(2-Chloroethoxy)met...	10.627	93	7160	4.176	ng/ul#	93
29) 2,4-Dichlorophenol	10.885	162	5333	4.104	ng/ul#	85
30) Naphthalene	11.308	128	15632	3.977	ng/ul#	91
32) 4-Chloroaniline	11.402	127	6875	3.966	ng/ul	96
33) Hexachlorobutadiene	11.590	225	4191	4.047	ng/ul	88
34) Caprolactam	12.131	113	2308m	5.225	ng/ul	
35) 4-Chloro-3-methylphenol	12.483	107	5642	3.779	ng/ul	95
36) 2-Methylnaphthalene	12.883	142	12167	4.323	ng/ul	85

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.095	142	11753	4.235	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	13.236	216	8429	4.037	ng/ul	98
40) Hexachlorocyclopentadiene	13.218	237	5712	3.817	ng/ul#	93
41) 2,4,6-Trichlorophenol	13.465	196	5319	3.812	ng/ul#	92
42) 2,4,5-Trichlorophenol	13.529	196	5634m	3.719	ng/ul	
43) 1,1'-Biphenyl	13.864	154	17785	4.106	ng/ul	94
44) 2-Chloronaphthalene	13.911	162	14794	4.128	ng/ul	92
45) 2-Nitroaniline	14.099	65	4659	3.746	ng/ul	97
47) Dimethylphthalate	14.458	163	20237	4.188	ng/ul#	98
48) 2,6-Dinitrotoluene	14.581	165	3959	3.996	ng/ul	97
50) Acenaphthylene	14.751	152	22413	4.108	ng/ul	98
51) 3-Nitroaniline	14.916	138	3716	4.191	ng/ul	83
52) Acenaphthene	15.086	153	15147	4.041	ng/ul	98
53) 2,4-Dinitrophenol	15.110	184	2881	4.540	ng/ul	94
55) 4-Nitrophenol	15.192	109	3526	3.718	ng/ul#	82
56) Dibenzofuran	15.415	168	24173	4.248	ng/ul	91
57) 2,4-Dinitrotoluene	15.362	165	5391	3.796	ng/ul#	99
58) 2,3,4,6-Tetrachlorophenol	15.633	232	4832	3.427	ng/ul#	92
59) Diethylphthalate	15.803	149	19739	4.081	ng/ul	95
61) Fluorene	16.062	166	19685	4.321	ng/ul#	97
62) 4-Chlorophenyl-phenyle...	16.044	204	11023	4.085	ng/ul	93
63) 4-Nitroaniline	16.068	138	3757	4.337	ng/ul#	65
66) 4,6-Dinitro-2-methylph...	16.120	198	3860	3.913	ng/ul#	91
67) N-Nitrosodiphenylamine	16.250	169	17149	4.027	ng/ul	96
68) 4-Bromophenyl-phenylether	16.937	248	7876	4.058	ng/ul	92
69) Hexachlorobenzene	17.061	284	8425	4.041	ng/ul	97
70) Atrazine	17.178	200	8032	4.343	ng/ul	90
71) Pentachlorophenol	17.395	266	4024	3.399	ng/ul	91
72) Phenanthrene	17.801	178	34033	4.103	ng/ul	99
74) Anthracene	17.889	178	33240	3.965	ng/ul	94
75) 1,2,3,4-Tetrachloroben...	13.835	216	8766	3.742	ng/uL	98
76) Pentachlorobenzene	15.339	250	8627	3.631	ng/uL#	89
77) Carbazole	18.147	167	29362	4.186	ng/ul	98
78) Di-n-butylphthalate	18.682	149	32955	4.077	ng/ul	97
80) Fluoranthene	19.781	202	43502	3.605	ng/ul	98
82) Pyrene	20.145	202	45230	3.805	ng/ul	98
83) Butylbenzylphthalate	21.003	149	13941	3.697	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.943	252	15576	4.212	ng/ul	88
85) Benzo(a)anthracene	22.043	228	44281	4.125	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.914	149	20254	3.823	ng/ul	97
87) Chrysene	22.113	228	40826	4.084	ng/ul	97
89) Di-n-octyl phthalate	23.230	149	34229	4.260	ng/ul	100
90) Benzo(b)fluoranthene	24.464	252	43096	4.356	ng/ul#	97
91) Benzo(k)fluoranthene	24.540	252	41999m	4.358	ng/ul	
93) Benzo(a)pyrene	25.421	252	37458	4.307	ng/ul#	99
94) Indeno(1,2,3-cd)pyrene	29.652	276	49030m	4.150	ng/ul	
95) Dibenzo(a,h)anthracene	29.728	278	42247m	4.277	ng/ul	
96) Benzo(g,h,i)perylene	30.927	276	39630m	4.199	ng/ul	

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

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