Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022422\
Data File : BG052480.D
Acq On : 24 Feb 2022 16:32
Operator : CG/JU
Sample : N1331-05
Misc : SFAM-MDL-MESOIL01
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 24 17:11:16 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG022222.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Feb 22 17:32:12 2022
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-MED-SOIL-QT1-2022-01

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay

02/25/2022
Supervised By :mohammad ahmed

02/28/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.222	152	22012	20.000	ng/ul	0.00
20) Naphthalene-d8	11.059	136	89286	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.866	164	66107	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.615	188	170960	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.927	240	188842	20.000	ng/ul	# 0.00
88) Perylene-d12	25.387	264	186909	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.546	96	1780	3.172	ng/uL	0.00
4) Pyridine-d5	3.981	84	20626	12.184	ng/ul	0.00
7) Phenol-d5	7.364	99	30070	14.406	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.529	67	19631	16.094	ng/ul	0.00
11) 2-Chlorophenol-d4	7.746	132	22119	15.088	ng/ul	0.00
15) 4-Methylphenol-d8	8.927	113	22102	13.609	ng/ul	0.00
21) Nitrobenzene-d5	9.391	128	11451	15.044	ng/ul	0.00
24) 2-Nitrophenol-d4	10.125	143	12264	14.710	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.677	165	22775	14.649	ng/ul	0.00
31) 4-Chloroaniline-d4	11.188	131	31801	14.760	ng/ul	0.00
46) Dimethylphthalate-d6	14.255	166	87589	16.298	ng/ul	0.00
49) Acenaphthylene-d8	14.560	160	98794	14.892	ng/ul	0.00
54) 4-Nitrophenol-d4	15.054	143	11059	12.945	ng/ul	0.00
60) Fluorene-d10	15.853	176	76494	16.203	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.970	200	13306	12.275	ng/ul	0.00
73) Anthracene-d10	17.715	188	129141	15.636	ng/ul	0.00
81) Pyrene-d10	19.994	212	167751	15.181	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.146	264	169378	16.891	ng/ul	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.575	88	1234	1.890	ng/uL#	72
5) Pyridine	3.998	79	7298m	4.270	ng/ul	
6) Benzaldehyde	7.347	77	5238	4.419	ng/ul#	87
8) Phenol	7.394	94	8100	3.837	ng/ul	96
10) Bis(2-Chloroethyl)ether	7.617	93	7164	4.588	ng/ul	100
12) 2-Chlorophenol	7.781	128	6149	4.026	ng/ul	98
13) 2-Methylphenol	8.657	108	5935	3.714	ng/ul	97
14) 2,2'-oxybis(1-Chloropr...	8.745	45	9388	4.393	ng/ul#	92
16) Acetophenone	9.050	105	10416	4.163	ng/ul	98
17) N-Nitroso-di-n-propyla...	9.021	70	6201	4.210	ng/ul	90
18) 4-Methylphenol	8.986	108	6665	3.922	ng/ul#	77
19) Hexachloroethane	9.320	117	2827	4.734	ng/ul#	79
22) Nitrobenzene	9.438	77	9221	4.726	ng/ul	98
23) Isophorone	9.961	82	16441	4.368	ng/ul#	95
25) 2-Nitrophenol	10.160	139	3625	4.137	ng/ul#	85
26) 2,4-Dimethylphenol	10.207	107	7329	4.067	ng/ul	94
27) Bis(2-Chloroethoxy)met...	10.437	93	8613	4.227	ng/ul	98
29) 2,4-Dichlorophenol	10.701	162	5746	3.907	ng/ul	93
30) Naphthalene	11.106	128	21900	4.409	ng/ul#	93
32) 4-Chloroaniline	11.212	127	9795	4.432	ng/ul	94
33) Hexachlorobutadiene	11.400	225	4955	4.269	ng/ul#	88
34) Caprolactam	11.970	113	1788m	3.268	ng/ul	
35) 4-Chloro-3-methylphenol	12.328	107	6007	3.657	ng/ul#	79
36) 2-Methylnaphthalene	12.704	142	15632	4.392	ng/ul	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.921	142	15423	4.258	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	13.074	216	9958	4.292	ng/ul#	93
40) Hexachlorocyclopentadiene	13.045	237	3946	3.513	ng/ul#	88
41) 2,4,6-Trichlorophenol	13.309	196	5070	3.644	ng/ul	95
42) 2,4,5-Trichlorophenol	13.385	196	5016	3.382	ng/ul	94
43) 1,1'-Biphenyl	13.697	154	22881	4.353	ng/ul#	91
44) 2-Chloronaphthalene	13.744	162	17255	4.316	ng/ul#	91
45) 2-Nitroaniline	13.949	65	4818m	3.690	ng/ul	
47) Dimethylphthalate	14.302	163	22507	4.284	ng/ul	98
48) 2,6-Dinitrotoluene	14.425	165	4629	4.024	ng/ul	92
50) Acenaphthylene	14.590	152	29149	4.397	ng/ul	96
51) 3-Nitroaniline	14.760	138	3499	3.735	ng/ul	80
52) Acenaphthene	14.930	153	18771	4.305	ng/ul	90
53) 2,4-Dinitrophenol	14.983	184	1935m	3.402	ng/ul	
55) 4-Nitrophenol	15.077	109	2866	3.459	ng/ul#	70
56) Dibenzofuran	15.259	168	28557	4.556	ng/ul	95
57) 2,4-Dinitrotoluene	15.218	165	6671	4.003	ng/ul#	83
58) 2,3,4,6-Tetrachlorophenol	15.489	232	4423	3.291	ng/ul#	96
59) Diethylphthalate	15.653	149	23684	4.460	ng/ul#	90
61) Fluorene	15.911	166	23030	4.368	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.894	204	13028	4.540	ng/ul	92
63) 4-Nitroaniline	15.923	138	3108	3.455	ng/ul#	80
66) 4,6-Dinitro-2-methylph...	15.982	198	3462	3.295	ng/ul#	87
67) N-Nitrosodiphenylamine	16.105	169	19446	4.037	ng/ul	92
68) 4-Bromophenyl-phenylether	16.793	248	8474	4.130	ng/ul#	82
69) Hexachlorobenzene	16.922	284	10267	4.361	ng/ul#	83
70) Atrazine	17.045	200	8723	4.109	ng/ul#	93
71) Pentachlorophenol	17.280	266	4377m	4.128	ng/ul	
72) Phenanthrene	17.656	178	40358	4.383	ng/ul	97
74) Anthracene	17.744	178	40771	4.399	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.673	216	10705	3.958	ng/uL	96
76) Pentachlorobenzene	15.183	250	11335	4.390	ng/uL	95
77) Carbazole	18.015	167	35151	4.270	ng/ul	94
78) Di-n-butylphthalate	18.555	149	41091	4.198	ng/ul	97
80) Fluoranthene	19.659	202	52618	4.033	ng/ul#	94
82) Pyrene	20.024	202	57155	4.412	ng/ul#	91
83) Butylbenzylphthalate	20.887	149	17997	3.843	ng/ul	90
84) 3,3'-Dichlorobenzidine	21.809	252	16904	4.052	ng/ul#	96
85) Benzo(a)anthracene	21.903	228	55450	4.333	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.780	149	26200	3.991	ng/ul	99
87) Chrysene	21.974	228	54391	4.434	ng/ul	98
89) Di-n-octyl phthalate	23.072	149	42354	3.919	ng/ul	100
90) Benzo(b)fluoranthene	24.277	252	55618	4.268	ng/ul#	95
91) Benzo(k)fluoranthene	24.353	252	52017	4.328	ng/ul#	96
93) Benzo(a)pyrene	25.222	252	52736	4.302	ng/ul#	94
94) Indeno(1,2,3-cd)pyrene	29.370	276	59799m	4.290	ng/ul	
95) Dibenzo(a,h)anthracene	29.434	278	51787m	4.352	ng/ul	
96) Benzo(g,h,i)perylene	30.621	276	48823m	4.171	ng/ul	

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

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