Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081921\
Data File : BG049898.D
Acq On : 19 Aug 2021 18:15
Operator : CG/JU
Sample : M2250-03
Misc : SFAM-MDL-SOIL-01
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-QT3-2021-05

Manual Integrations APPROVED
mohammad
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Quant Time: Aug 19 18:51:58 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 19 13:35:17 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.978	152	25642	20.000	ng/ul	0.00
20) Naphthalene-d8	10.798	136	107009	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.634	164	79668	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.389	188	190797	20.000	ng/ul	0.00
79) Chrysene-d12	21.660	240	199140	20.000	ng/ul	0.00
88) Perylene-d12	24.885	264	193259	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.343	96	1934	3.889	ng/uL	0.00
4) Pyridine-d5	3.772	84	24264	16.200	ng/ul	0.00
7) Phenol-d5	7.144	99	48412	22.234	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.297	67	28860	23.857	ng/ul	0.00
11) 2-Chlorophenol-d4	7.508	132	36924	22.663	ng/ul	0.00
15) 4-Methylphenol-d8	8.695	113	37466	21.848	ng/ul	0.00
21) Nitrobenzene-d5	9.147	128	18768	22.622	ng/ul	0.00
24) 2-Nitrophenol-d4	9.875	143	22883	23.164	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.422	165	38563	21.886	ng/ul	0.00
31) 4-Chloroaniline-d4	10.933	131	53335	22.240	ng/ul	0.00
46) Dimethylphthalate-d6	14.035	166	141992	23.289	ng/ul	0.00
49) Acenaphthylene-d8	14.328	160	164661	23.033	ng/ul	0.00
54) 4-Nitrophenol-d4	14.851	143	19009	21.549	ng/ul	0.00
60) Fluorene-d10	15.627	176	121745	23.551	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.762	200	24174	19.694	ng/ul	0.00
73) Anthracene-d10	17.483	188	197801	23.087	ng/ul	0.00
81) Pyrene-d10	19.774	212	229314	21.309	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.661	264	241644	23.568	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.384	88	1255m	2.070	ng/uL	
5) Pyridine	3.795	79	5219	3.224	ng/ul#	66
6) Benzaldehyde	7.120	77	5883	4.695	ng/ul	98
8) Phenol	7.173	94	9948	4.523	ng/ul	93
10) Bis(2-Chloroethyl)ether	7.391	93	6125	4.034	ng/ul	94
12) 2-Chlorophenol	7.543	128	6140	3.814	ng/ul#	67
13) 2-Methylphenol	8.436	108	7079	4.172	ng/ul	98
14) 2,2'-oxybis(1-Chloropr...	8.507	45	7294	4.581	ng/ul#	93
16) Acetophenone	8.806	105	12457	4.454	ng/ul	94
17) N-Nitroso-di-n-propyla...	8.783	70	6392	4.552	ng/ul#	97
18) 4-Methylphenol	8.765	108	8390	4.596	ng/ul	81
19) Hexachloroethane	9.059	117	3451	4.898	ng/ul#	67
22) Nitrobenzene	9.194	77	10659	4.742	ng/ul#	85
23) Isophorone	9.717	82	18948	4.731	ng/ul#	93
25) 2-Nitrophenol	9.911	139	4155	4.326	ng/ul	86
26) 2,4-Dimethylphenol	9.969	107	9200	4.310	ng/ul#	72
27) Bis(2-Chloroethoxy)met...	10.199	93	9810	4.743	ng/ul#	97
29) 2,4-Dichlorophenol	10.451	162	7344	4.541	ng/ul	94
30) Naphthalene	10.851	128	24835	4.643	ng/ul	98
32) 4-Chloroaniline	10.956	127	10647	4.610	ng/ul#	76
33) Hexachlorobutadiene	11.127	225	5865	4.483	ng/ul	91
34) Caprolactam	11.744	113	2789m	4.923	ng/ul	
35) 4-Chloro-3-methylphenol	12.096	107	9037	4.676	ng/ul	93
36) 2-Methylnaphthalene	12.460	142	19444	4.890	ng/ul	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.678	142	18780	4.680	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.830	216	10386	4.439	ng/ul#	96
40) Hexachlorocyclopentadiene	12.801	237	5317	5.077	ng/ul#	96
41) 2,4,6-Trichlorophenol	13.071	196	5336	3.578	ng/ul	88
42) 2,4,5-Trichlorophenol	13.159	196	5423m	3.470	ng/ul	
43) 1,1'-Biphenyl	13.465	154	25174	4.523	ng/ul#	91
44) 2-Chloronaphthalene	13.512	162	19094	4.271	ng/ul	96
45) 2-Nitroaniline	13.717	65	7072	4.659	ng/ul#	87
47) Dimethylphthalate	14.076	163	26354	4.368	ng/ul#	95
48) 2,6-Dinitrotoluene	14.211	165	5900	4.736	ng/ul#	91
50) Acenaphthylene	14.358	152	30859	4.723	ng/ul	96
51) 3-Nitroaniline	14.546	138	4962	4.128	ng/ul	93
52) Acenaphthene	14.698	153	20720	4.372	ng/ul	98
53) 2,4-Dinitrophenol	14.775	184	3087m	4.852	ng/ul	
55) 4-Nitrophenol	14.869	109	4996	4.467	ng/ul	91
56) Dibenzofuran	15.033	168	30460	4.641	ng/ul	98
57) 2,4-Dinitrotoluene	15.004	165	8738	4.876	ng/ul#	93
58) 2,3,4,6-Tetrachlorophenol	15.274	232	5113	3.948	ng/ul#	95
59) Diethylphthalate	15.444	149	28552	4.625	ng/ul	97
61) Fluorene	15.685	166	24356	4.398	ng/ul	92
62) 4-Chlorophenyl-phenyle...	15.674	204	13300	4.539	ng/ul	95
63) 4-Nitroaniline	15.709	138	5712	4.761	ng/ul#	92
66) 4,6-Dinitro-2-methylph...	15.773	198	4394	3.949	ng/ul#	87
67) N-Nitrosodiphenylamine	15.885	169	22799	4.539	ng/ul	96
68) 4-Bromophenyl-phenylether	16.566	248	8608	4.078	ng/ul	93
69) Hexachlorobenzene	16.696	284	10654	4.371	ng/ul	96
70) Atrazine	16.831	200	10166	4.555	ng/ul#	95
71) Pentachlorophenol	17.054	266	4213m	4.082	ng/ul	
72) Phenanthrene	17.430	178	42486	4.467	ng/ul	99
74) Anthracene	17.518	178	42967	4.458	ng/ul#	95
75) 1,2,3,4-Tetrachloroben...	13.435	216	10804	4.221	ng/uL#	85
76) Pentachlorobenzene	14.957	250	10831	3.993	ng/uL	95
77) Carbazole	17.794	167	39150	4.564	ng/ul	98
78) Di-n-butylphthalate	18.340	149	48276	4.401	ng/ul	97
80) Fluoranthene	19.439	202	55060	4.146	ng/ul#	96
82) Pyrene	19.803	202	53692	4.080	ng/ul#	97
83) Butylbenzylphthalate	20.679	149	20843	4.014	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.548	252	20678	4.380	ng/ul#	97
85) Benzo(a)anthracene	21.636	228	55146	4.444	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.530	149	30854	4.326	ng/ul	99
87) Chrysene	21.701	228	50751	4.327	ng/ul	98
89) Di-n-octyl phthalate	22.735	149	50912	4.441	ng/ul	100
90) Benzo(b)fluoranthene	23.857	252	53896	4.360	ng/ul	100
91) Benzo(k)fluoranthene	23.921	252	53702	4.570	ng/ul	99
93) Benzo(a)pyrene	24.726	252	45742	4.261	ng/ul#	99
94) Indeno(1,2,3-cd)pyrene	28.568	276	58277	4.115	ng/ul#	94
95) Dibenzo(a,h)anthracene	28.627	278	50847m	4.289	ng/ul	
96) Benzo(g,h,i)perylene	29.719	276	49502	4.158	ng/ul#	97

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

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