Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031124\
Data File : BG060606.D
Acq On : 11 Mar 2024 11:16
Operator : MA/JU
Sample : P1601-03
Misc : SFAM-MDL-SOIL-01
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-QT1-2024-01

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 03/11/2024
Supervised By :mohammad ahmed 03/12/2024

Quant Time: Mar 11 13:56:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG030824.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 08 15:23:41 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.329	152	88693	20.000	ng/ul	0.00
20) Naphthalene-d8	11.173	136	418433	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.951	164	289532	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.700	188	641172	20.000	ng/ul	0.00
79) Chrysene-d12	22.025	240	570585	20.000	ng/ul	0.00
88) Perylene-d12	25.585	264	636641	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.611	96	10738	4.571	ng/uL	0.00
4) Pyridine-d5	4.046	84	155047	21.091	ng/ul	0.00
7) Phenol-d5	7.430	99	192283	21.038	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.641	67	123542	20.851	ng/ul	0.00
11) 2-Chlorophenol-d4	7.841	132	139822	21.881	ng/ul	0.00
15) 4-Methylphenol-d8	9.005	113	147693	20.812	ng/ul	0.00
21) Nitrobenzene-d5	9.522	128	65554	24.569	ng/ul	0.00
24) 2-Nitrophenol-d4	10.238	143	59763	22.722	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.767	165	141855	20.950	ng/ul	0.00
31) 4-Chloroaniline-d4	11.308	131	221237	21.019	ng/ul	0.00
46) Dimethylphthalate-d6	14.345	166	500684	21.813	ng/ul	0.00
49) Acenaphthylene-d8	14.657	160	587545	21.861	ng/ul	0.00
54) 4-Nitrophenol-d4	15.115	143	67041	19.379	ng/ul	0.00
60) Fluorene-d10	15.938	176	438785	21.754	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.038	200	41177	15.822	ng/ul	0.00
73) Anthracene-d10	17.800	188	639432	20.293	ng/ul	0.00
81) Pyrene-d10	20.068	212	752397	21.887	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.333	264	723212	21.954	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.652	88	2499m	1.003	ng/uL	
5) Pyridine	4.075	79	29453	3.950	ng/ul	93
6) Benzaldehyde	7.465	77	26029	6.010	ng/ul	96
8) Phenol	7.459	94	38416	4.154	ng/ul	94
10) Bis(2-Chloroethyl)ether	7.736	93	31731	4.320	ng/ul	97
12) 2-Chlorophenol	7.871	128	28379	4.242	ng/ul	93
13) 2-Methylphenol	8.740	108	28111	3.902	ng/ul	93
14) 2,2'-oxybis(1-Chloropr...	8.828	45	62139	4.184	ng/ul#	92
16) Acetophenone	9.169	105	52015	4.295	ng/ul	96
17) N-Nitroso-di-n-propyla...	9.128	70	26327	4.434	ng/ul#	96
18) 4-Methylphenol	9.069	108	34153	4.353	ng/ul	98
19) Hexachloroethane	9.416	117	10859	4.143	ng/ul	86
22) Nitrobenzene	9.563	77	34638	4.647	ng/ul	99
23) Isophorone	10.074	82	76999	4.348	ng/ul	98
25) 2-Nitrophenol	10.274	139	14221	4.695	ng/ul	93
26) 2,4-Dimethylphenol	10.291	107	25119	3.054	ng/ul	91
27) Bis(2-Chloroethoxy)met...	10.556	93	43585	4.232	ng/ul	92
29) 2,4-Dichlorophenol	10.791	162	29219	4.320	ng/ul#	89
30) Naphthalene	11.226	128	108216	4.374	ng/ul	98
32) 4-Chloroaniline	11.337	127	44330	4.315	ng/ul	100
33) Hexachlorobutadiene	11.455	225	22539	4.504	ng/ul	90
34) Caprolactam	12.113	113	10828	4.676	ng/ul	95
35) 4-Chloro-3-methylphenol	12.401	107	35041	4.317	ng/ul	93
36) 2-Methylnaphthalene	12.800	142	74212	4.566	ng/ul	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.018	142	77040	4.732	ng/ul#	98
39) 1,2,4,5-Tetrachloroben...	13.141	216	41010	4.303	ng/ul	91
40) Hexachlorocyclopentadiene	13.094	237	22983	3.960	ng/ul	98
41) 2,4,6-Trichlorophenol	13.376	196	23493	3.959	ng/ul#	82
42) 2,4,5-Trichlorophenol	13.446	196	26380	4.168	ng/ul	98
43) 1,1'-Biphenyl	13.793	154	100918	4.341	ng/ul	97
44) 2-Chloronaphthalene	13.840	162	79693	4.320	ng/ul	96
45) 2-Nitroaniline	14.057	65	19291	3.828	ng/ul	97
47) Dimethylphthalate	14.392	163	103440	4.428	ng/ul	100
48) 2,6-Dinitrotoluene	14.533	165	13816	4.116	ng/ul#	94
50) Acenaphthylene	14.686	152	136917	4.457	ng/ul	98
51) 3-Nitroaniline	14.868	138	15532	3.927	ng/ul	92
52) Acenaphthene	15.015	153	91007	4.463	ng/ul	98
53) 2,4-Dinitrophenol	15.062	184	6897	4.040	ng/ul	92
55) 4-Nitrophenol	15.133	109	13872	4.151	ng/ul	97
56) Dibenzofuran	15.350	168	121917	4.454	ng/ul	98
57) 2,4-Dinitrotoluene	15.309	165	17769	3.895	ng/ul#	93
58) 2,3,4,6-Tetrachlorophenol	15.556	232	22632	4.198	ng/ul#	90
59) Diethylphthalate	15.738	149	103882	4.359	ng/ul	94
61) Fluorene	15.996	166	101639	4.482	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.979	204	49637	4.371	ng/ul	98
63) 4-Nitroaniline	16.026	138	17466m	4.433	ng/ul	
66) 4,6-Dinitro-2-methylph...	16.055	198	10783	3.752	ng/ul	100
67) N-Nitrosodiphenylamine	16.196	169	86442	4.220	ng/ul	91
68) 4-Bromophenyl-phenylether	16.878	248	30850	4.185	ng/ul	98
69) Hexachlorobenzene	16.966	284	39059	4.433	ng/ul	94
70) Atrazine	17.130	200	34386	4.954	ng/ul	99
71) Pentachlorophenol	17.318	266	18967	3.906	ng/ul	93
72) Phenanthrene	17.741	178	162173m	4.408	ng/ul	
74) Anthracene	17.835	178	155923	4.161	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.746	216	40572	4.236	ng/uL	95
76) Pentachlorobenzene	15.238	250	45012	4.565	ng/uL	98
77) Carbazole	18.106	167	135252	4.209	ng/ul	98
78) Di-n-butylphthalate	18.623	149	158925	4.049	ng/ul	98
80) Fluoranthene	19.733	202	180535	4.425	ng/ul	97
82) Pyrene	20.097	202	192712	4.510	ng/ul	98
83) Butylbenzylphthalate	20.967	149	60592	3.856	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.913	252	64645	4.954	ng/ul	95
85) Benzo(a)anthracene	22.001	228	182344	4.303	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.848	149	90777	3.888	ng/ul#	99
87) Chrysene	22.072	228	175850	4.359	ng/ul	97
89) Di-n-octyl phthalate	23.182	149	151503	3.827	ng/ul	100
90) Benzo(b)fluoranthene	24.428	252	161937m	4.185	ng/ul	
91) Benzo(k)fluoranthene	24.510	252	172523m	4.271	ng/ul	
93) Benzo(a)pyrene	25.415	252	164415	4.380	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	29.692	276	191936m	4.140	ng/ul	
95) Dibenzo(a,h)anthracene	29.798	278	156338m	4.127	ng/ul	
96) Benzo(g,h,i)perylene	31.014	276	148830	3.998	ng/ul#	93

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

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