Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101923\
Data File : BG059486.D
Acq On : 19 Oct 2023 10:31
Operator : MA/JU
Sample : SSTD01056
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD010428

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023

Quant Time: Oct 20 03:11:18 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG101923.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 20 02:34:07 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.188	152	36656	20.000	ng/ul	0.00
20) Naphthalene-d8	11.032	136	167488	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.828	164	112635	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.577	188	275891	20.000	ng/ul	0.00
79) Chrysene-d12	21.872	240	274340	20.000	ng/ul	0.00
88) Perylene-d12	25.315	264	322148	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.470	96	4909	4.201	ng/uL	0.00
4) Pyridine-d5	3.911	84	40027	10.032	ng/ul	0.00
7) Phenol-d5	7.319	99	34766	9.518	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.507	67	21563	10.299	ng/ul	0.00
11) 2-Chlorophenol-d4	7.707	132	26650	9.134	ng/ul	0.00
15) 4-Methylphenol-d8	8.882	113	28170	8.952	ng/ul	0.00
21) Nitrobenzene-d5	9.381	128	13447	8.227	ng/ul	0.00
24) 2-Nitrophenol-d4	10.104	143	14561	9.050	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.633	165	27820	9.346	ng/ul	0.00
31) 4-Chloroaniline-d4	11.173	131	42292	9.569	ng/ul	0.00
46) Dimethylphthalate-d6	14.223	166	95742	8.753	ng/ul	0.00
49) Acenaphthylene-d8	14.528	160	107638	8.548	ng/ul	0.00
54) 4-Nitrophenol-d4	15.016	143	16246	9.055	ng/ul	0.00
60) Fluorene-d10	15.815	176	86281	9.238	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.926	200	15627	8.422	ng/ul	0.00
73) Anthracene-d10	17.677	188	139293	9.168	ng/ul	0.00
81) Pyrene-d10	19.951	212	166123	9.229	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.069	264	169916	9.217	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.512	88	5362m	3.992	ng/uL	
5) Pyridine	3.935	79	42200	10.209	ng/ul	94
6) Benzaldehyde	7.337	77	19356	11.770	ng/ul	93
8) Phenol	7.342	94	35678	9.879	ng/ul	98
10) Bis(2-Chloroethyl)ether	7.607	93	29991	9.620	ng/ul	94
12) 2-Chlorophenol	7.742	128	27462	9.335	ng/ul	93
13) 2-Methylphenol	8.617	108	26894	8.762	ng/ul	96
14) 2,2'-oxybis(1-Chloropr...	8.694	45	66140m	9.519	ng/ul	
16) Acetophenone	9.035	105	43936	9.248	ng/ul#	84
17) N-Nitroso-di-n-propyla...	8.993	70	22070	8.943	ng/ul#	97
18) 4-Methylphenol	8.952	108	29835	8.991	ng/ul	81
19) Hexachloroethane	9.270	117	10009	8.270	ng/ul#	82
22) Nitrobenzene	9.434	77	32250	8.570	ng/ul	91
23) Isophorone	9.933	82	66083	9.155	ng/ul	94
25) 2-Nitrophenol	10.139	139	15667	9.252	ng/ul#	91
26) 2,4-Dimethylphenol	10.163	107	31141	9.682	ng/ul	91
27) Bis(2-Chloroethoxy)met...	10.421	93	41399	9.229	ng/ul	100
29) 2,4-Dichlorophenol	10.656	162	27596	9.224	ng/ul	92
30) Naphthalene	11.079	128	96544	9.173	ng/ul	96
32) 4-Chloroaniline	11.203	127	39876	9.509	ng/ul	92
33) Hexachlorobutadiene	11.314	225	18335	9.554	ng/ul#	86
34) Caprolactam	11.978	113	9915	10.482	ng/ul	86
35) 4-Chloro-3-methylphenol	12.284	107	26842	9.128	ng/ul#	88
36) 2-Methylnaphthalene	12.666	142	64299	9.256	ng/ul	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.889	142	67877	9.587	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	13.018	216	34553	9.105	ng/ul	93
40) Hexachlorocyclopentadiene	12.971	237	15154	7.163	ng/ul#	98
41) 2,4,6-Trichlorophenol	13.259	196	18997	8.155	ng/ul	84
42) 2,4,5-Trichlorophenol	13.329	196	21279	7.987	ng/ul#	76
43) 1,1'-Biphenyl	13.664	154	93356	8.846	ng/ul	98
44) 2-Chloronaphthalene	13.717	162	73647	8.876	ng/ul	98
45) 2-Nitroaniline	13.935	65	21202	7.838	ng/ul	97
47) Dimethylphthalate	14.270	163	95659	8.858	ng/ul	98
48) 2,6-Dinitrotoluene	14.416	165	18990	8.934	ng/ul	99
50) Acenaphthylene	14.557	152	116358	8.582	ng/ul	97
51) 3-Nitroaniline	14.757	138	20165	9.842	ng/ul	100
52) Acenaphthene	14.892	153	81889	9.374	ng/ul	97
53) 2,4-Dinitrophenol	14.957	184	6990	6.483	ng/ul#	84
55) 4-Nitrophenol	15.033	109	11494	9.272	ng/ul#	80
56) Dibenzofuran	15.221	168	109658	9.309	ng/ul	90
57) 2,4-Dinitrotoluene	15.192	165	25273	8.688	ng/ul	95
58) 2,3,4,6-Tetrachlorophenol	15.433	232	21929	9.187	ng/ul#	98
59) Diethylphthalate	15.615	149	92479	9.384	ng/ul	97
61) Fluorene	15.874	166	88043	8.929	ng/ul#	95
62) 4-Chlorophenyl-phenyle...	15.856	204	46523	9.248	ng/ul#	88
63) 4-Nitroaniline	15.921	138	20439m	10.381	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.944	198	16495	8.382	ng/ul#	87
67) N-Nitrosodiphenylamine	16.073	169	77850	9.133	ng/ul	97
68) 4-Bromophenyl-phenylether	16.755	248	28245	9.077	ng/ul	86
69) Hexachlorobenzene	16.849	284	33206	9.421	ng/ul	93
70) Atrazine	17.008	200	29180	9.599	ng/ul	98
71) Pentachlorophenol	17.201	266	15572	7.934	ng/ul#	80
72) Phenanthrene	17.619	178	167629	9.310	ng/ul	97
74) Anthracene	17.713	178	168978	9.116	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.623	216	34542	8.510	ng/uL	95
76) Pentachlorobenzene	15.121	250	34798	8.754	ng/uL	98
77) Carbazole	17.989	167	148203	9.976	ng/ul	98
78) Di-n-butylphthalate	18.494	149	167503	9.238	ng/ul#	96
80) Fluoranthene	19.616	202	207909	9.366	ng/ul	99
82) Pyrene	19.981	202	221109	9.449	ng/ul	98
83) Butylbenzylphthalate	20.832	149	74485	9.171	ng/ul#	96
84) 3,3'-Dichlorobenzidine	21.767	252	73199	9.945	ng/ul	99
85) Benzo(a)anthracene	21.849	228	213793	9.415	ng/ul	95
86) Bis(2-ethylhexyl)phtha...	21.679	149	110541	9.329	ng/ul	97
87) Chrysene	21.919	228	204474	9.633	ng/ul	96
89) Di-n-octyl phthalate	22.959	149	188904	9.706	ng/ul	100
90) Benzo(b)fluoranthene	24.199	252	214105m	9.335	ng/ul	
91) Benzo(k)fluoranthene	24.275	252	222852	9.397	ng/ul	97
93) Benzo(a)pyrene	25.151	252	202818	9.283	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	29.293	276	234702m	9.417	ng/ul	
95) Dibenzo(a,h)anthracene	29.364	278	190570m	9.420	ng/ul	
96) Benzo(g,h,i)perylene	30.545	276	190483	9.093	ng/ul	93

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

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