Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121824\
Data File : BG063755.D
Acq On : 19 Dec 2024 14:58
Operator : RC/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD020574

Quant Time: Dec 19 21:25:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.799	152	132245	20.000	ng/ul	-0.01
20) Naphthalene-d8	10.590	136	547343	20.000	ng/ul	-0.01
38) Acenaphthene-d10	14.438	164	430983	20.000	ng/ul	-0.01
64) Phenanthrene-d10	17.194	188	1122719	20.000	ng/ul	-0.01
79) Chrysene-d12	21.442	240	1189340	20.000	ng/ul	-0.02
88) Perylene-d12	24.456	264	1225655	20.000	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.257	96	26422	7.830	ng/uL	-0.02
4) Pyridine-d5	3.662	84	204365	19.197	ng/ul	-0.02
7) Phenol-d5	6.982	99	235123	19.305	ng/ul	-0.01
9) Bis-(2-Chloroethyl)eth...	7.129	67	156796	18.639	ng/ul	-0.02
11) 2-Chlorophenol-d4	7.335	132	154147	19.549	ng/ul	-0.01
15) 4-Methylphenol-d8	8.516	113	185128	19.578	ng/ul	-0.01
21) Nitrobenzene-d5	8.956	128	83919	21.473	ng/ul	-0.01
24) 2-Nitrophenol-d4	9.673	143	98343	22.449	ng/ul	-0.02
28) 2,4-Dichlorophenol-d3	10.220	165	188688	22.247	ng/ul	-0.01
31) 4-Chloroaniline-d4	10.725	131	235554	21.873	ng/ul	-0.02
46) Dimethylphthalate-d6	13.845	166	609696	20.790	ng/ul	-0.01
49) Acenaphthylene-d8	14.133	160	704532	21.075	ng/ul	-0.01
54) 4-Nitrophenol-d4	14.673	143	90725	21.834	ng/ul	0.00
60) Fluorene-d10	15.437	176	582138	22.451	ng/ul	-0.01
65) 4,6-Dinitro-2-methylph...	15.572	200	118581	20.343	ng/ul	0.00
73) Anthracene-d10	17.294	188	1070379	22.175	ng/ul	-0.01
81) Pyrene-d10	19.591	212	1277841	20.647	ng/ul	-0.01
92) Benzo(a)pyrene-d12	24.250	264	1224801	21.280	ng/ul	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.292	88	31442	7.873	ng/uL	89
5) Pyridine	3.680	79	216410	18.979	ng/ul	93
6) Benzaldehyde	6.935	77	170378	22.805	ng/ul	93
8) Phenol	7.011	94	250519	19.300	ng/ul	95
10) Bis(2-Chloroethyl)ether	7.217	93	186880	18.817	ng/ul	99
12) 2-Chlorophenol	7.364	128	163643	20.502	ng/ul	97
13) 2-Methylphenol	8.251	108	186930	19.925	ng/ul	100
14) 2,2'-oxybis(1-Chloropr...	8.316	45	290785	19.722	ng/ul	98
16) Acetophenone	8.616	105	316418	19.728	ng/ul	91
17) N-Nitroso-di-n-propyla...	8.598	70	177233	18.519	ng/ul#	92
18) 4-Methylphenol	8.580	108	201065	19.582	ng/ul	95
19) Hexachloroethane	8.868	117	72595	18.510	ng/ul	92
22) Nitrobenzene	8.992	77	264791	20.290	ng/ul	95
23) Isophorone	9.514	82	499136	20.242	ng/ul	98
25) 2-Nitrophenol	9.708	139	100432	22.308	ng/ul	87
26) 2,4-Dimethylphenol	9.773	107	218968	21.434	ng/ul	97
27) Bis(2-Chloroethoxy)met...	9.996	93	280183	21.008	ng/ul	97
29) 2,4-Dichlorophenol	10.249	162	179855	21.341	ng/ul	96
30) Naphthalene	10.637	128	556891	20.350	ng/ul	97
32) 4-Chloroaniline	10.754	127	218735	21.348	ng/ul	100
33) Hexachlorobutadiene	10.925	225	131526	19.210	ng/ul	93
34) Caprolactam	11.506	113	73360	25.182	ng/ul	85
35) 4-Chloro-3-methylphenol	11.894	107	209566	21.181	ng/ul#	93
36) 2-Methylnaphthalene	12.252	142	410334	20.863	ng/ul	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.470	142	428713	21.400	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.628	216	257982	18.698	ng/ul	95
40) Hexachlorocyclopentadiene	12.605	237	103881	19.046	ng/ul	93
41) 2,4,6-Trichlorophenol	12.875	196	161913	20.764	ng/ul	94
42) 2,4,5-Trichlorophenol	12.957	196	171598	21.086	ng/ul	95
43) 1,1'-Biphenyl	13.269	154	584736	20.573	ng/ul	93
44) 2-Chloronaphthalene	13.310	162	467739	20.493	ng/ul	98
45) 2-Nitroaniline	13.522	65	167266	21.879	ng/ul	92
47) Dimethylphthalate	13.898	163	612789	20.849	ng/ul	98
48) 2,6-Dinitrotoluene	14.021	165	124418	22.793	ng/ul	95
50) Acenaphthylene	14.162	152	754155	21.039	ng/ul	97
51) 3-Nitroaniline	14.350	138	129894	25.738	ng/ul	93
52) Acenaphthene	14.503	153	528885	20.817	ng/ul	97
53) 2,4-Dinitrophenol	14.579	184	49721	17.824	ng/ul	95
55) 4-Nitrophenol	14.691	109	83044	19.247	ng/ul	93
56) Dibenzofuran	14.844	168	777657	21.710	ng/ul	96
57) 2,4-Dinitrotoluene	14.814	165	195370	24.087	ng/ul	90
58) 2,3,4,6-Tetrachlorophenol	15.079	232	154419	22.012	ng/ul	98
59) Diethylphthalate	15.261	149	630458	22.189	ng/ul	97
61) Fluorene	15.490	166	645851	22.581	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.484	204	341885	21.456	ng/ul	96
63) 4-Nitroaniline	15.519	138	141007	27.909	ng/ul	94
66) 4,6-Dinitro-2-methylph...	15.590	198	122534	20.404	ng/ul#	89
67) N-Nitrosodiphenylamine	15.701	169	575492	21.168	ng/ul	98
68) 4-Bromophenyl-phenylether	16.383	248	229210	20.032	ng/ul	95
69) Hexachlorobenzene	16.506	284	271344	21.166	ng/ul	95
70) Atrazine	16.653	200	261065	22.716	ng/ul	95
71) Pentachlorophenol	16.853	266	97457	18.031	ng/ul	96
72) Phenanthrene	17.235	178	1214675	22.451	ng/ul	98
74) Anthracene	17.329	178	1234113	22.537	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.240	216	269038	17.960	ng/ul	95
76) Pentachlorobenzene	14.767	250	275536	18.567	ng/ul	96
77) Carbazole	17.599	167	1082386	24.418	ng/ul	99
78) Di-n-butylphthalate	18.157	149	1271972	23.761	ng/ul	98
80) Fluoranthene	19.256	202	1487662	21.148	ng/ul	97
82) Pyrene	19.620	202	1601226	21.395	ng/ul#	94
83) Butylbenzylphthalate	20.513	149	548598	23.879	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.342	252	484004	22.543	ng/ul	92
85) Benzo(a)anthracene	21.424	228	1515939	20.338	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.336	149	796605	23.836	ng/ul	98
87) Chrysene	21.489	228	1449565	20.405	ng/ul	97
89) Di-n-octyl phthalate	22.470	149	1361399	25.734	ng/ul	100
90) Benzo(b)fluoranthene	23.504	252	1474364	21.165	ng/ul	98
91) Benzo(k)fluoranthene	23.563	252	1509803	21.728	ng/ul	99
93) Benzo(a)pyrene	24.315	252	1375425	21.036	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	27.858	276	1720500	21.546	ng/ul	98
95) Dibenzo(a,h)anthracene	27.905	278	1398516	21.888	ng/ul	95
96) Benzo(g,h,i)perylene	28.915	276	1337909	21.115	ng/ul	93

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

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