Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072223\
Data File : BG058406.D
Acq On : 22 Jul 2023 18:09
Operator : CG/JU
Sample : 03536-03MSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
YBW57MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

Quant Time: Jul 23 02:16:12 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 18 02:19:39 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.894	152	57790	20.000	ng/ul	0.00
20) Naphthalene-d8	10.696	136	245316	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.533	164	156501	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.283	188	333065	20.000	ng/ul	0.00
79) Chrysene-d12	21.537	240	265762	20.000	ng/ul	0.00
88) Perylene-d12	24.680	264	325106	20.000	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.340	96	3855	2.455	ng/uL	0.00
4) Pyridine-d5	3.746	84	55677	11.947	ng/ul	0.00
7) Phenol-d5	7.071	99	83391	15.211	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.224	67	54656	15.951	ng/ul	0.00
11) 2-Chlorophenol-d4	7.430	132	59741	15.568	ng/ul	0.00
15) 4-Methylphenol-d8	8.610	113	25545	6.109	ng/ul	0.00
21) Nitrobenzene-d5	9.057	128	33710	18.333	ng/ul	0.00
24) 2-Nitrophenol-d4	9.780	143	31729	15.806	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.326	165	62204	16.164	ng/ul	0.00
31) 4-Chloroaniline-d4	10.849	131	5449	0.977	ng/ul	0.01
46) Dimethylphthalate-d6	13.940	166	208787	17.301	ng/ul	0.00
49) Acenaphthylene-d8	14.227	160	231973	18.342	ng/ul	0.00
54) 4-Nitrophenol-d4	14.750	143	13570	7.446	ng/ul	0.01
60) Fluorene-d10	15.526	176	186928	18.709	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.649	200	3798	2.238	ng/ul	0.00
73) Anthracene-d10	17.377	188	261152	18.147	ng/ul	0.00
81) Pyrene-d10	19.668	212	248629	15.839	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.457	264	164992	10.500	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.375	88	11503	6.459	ng/uL#	88
5) Pyridine	3.781	79	8108	1.647	ng/ul#	66
6) Benzaldehyde	7.036	77	70846m	31.999	ng/ul	
8) Phenol	7.095	94	99571	17.490	ng/ul	97
10) Bis(2-Chloroethyl)ether	7.318	93	72444	16.610	ng/ul	97
12) 2-Chlorophenol	7.465	128	65943	16.416	ng/ul	99
13) 2-Methylphenol	8.346	108	25270	5.695	ng/ul	96
14) 2,2'-oxybis(1-Chloropr...	8.422	45	122188m	17.096	ng/ul	
16) Acetophenone	8.716	105	173447	24.356	ng/ul	100
17) N-Nitroso-di-n-propyla...	8.693	70	65681	16.852	ng/ul	98
18) 4-Methylphenol	8.675	108	44868	9.305	ng/ul	93
19) Hexachloroethane	8.975	117	18710	11.817	ng/ul	96
22) Nitrobenzene	9.098	77	88595	18.067	ng/ul	98
23) Isophorone	9.615	82	177459	16.142	ng/ul	100
25) 2-Nitrophenol	9.815	139	38724	18.060	ng/ul	90
26) 2,4-Dimethylphenol	9.880	107	5201	1.088	ng/ul#	82
27) Bis(2-Chloroethoxy)met...	10.103	93	102954	17.682	ng/ul	98
29) 2,4-Dichlorophenol	10.355	162	65177	17.845	ng/ul	96
30) Naphthalene	10.749	128	244628	18.656	ng/ul	99
32) 4-Chloroaniline	10.867	127	6773	1.188	ng/ul#	59
33) Hexachlorobutadiene	11.025	225	49310	18.880	ng/ul	96
34) Caprolactam	11.625	113	20001	13.185	ng/ul	99
35) 4-Chloro-3-methylphenol	11.995	107	61129	13.151	ng/ul	95
36) 2-Methylnaphthalene	12.359	142	162535	18.501	ng/ul	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.576	142	163778	18.190	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.729	216	90051	19.877	ng/ul	99
40) Hexachlorocyclopentadiene	12.700	237	15180	6.230	ng/ul	97
41) 2,4,6-Trichlorophenol	12.970	196	56302	18.358	ng/ul	99
42) 2,4,5-Trichlorophenol	13.046	196	64395	19.691	ng/ul	98
43) 1,1'-Biphenyl	13.370	154	215407	20.355	ng/ul	98
44) 2-Chloronaphthalene	13.411	162	172793	20.536	ng/ul	97
45) 2-Nitroaniline	13.616	65	53717	18.380	ng/ul	97
47) Dimethylphthalate	13.987	163	223353	18.426	ng/ul	100
48) 2,6-Dinitrotoluene	14.110	165	45034	19.225	ng/ul	97
50) Acenaphthylene	14.257	152	259085	18.978	ng/ul	100
51) 3-Nitroaniline	14.445	138	15922	8.156	ng/ul#	99
52) Acenaphthene	14.598	153	188008	19.836	ng/ul	99
53) 2,4-Dinitrophenol	14.656	184	3498	2.806	ng/ul#	83
55) 4-Nitrophenol	14.762	109	23332	16.623	ng/ul#	87
56) Dibenzofuran	14.932	168	265931	19.704	ng/ul	100
57) 2,4-Dinitrotoluene	14.903	165	63575	18.817	ng/ul#	92
58) 2,3,4,6-Tetrachlorophenol	15.162	232	52660	17.429	ng/ul#	99
59) Diethylphthalate	15.344	149	226559	18.142	ng/ul	99
61) Fluorene	15.585	166	215113	19.436	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.573	204	114432	19.476	ng/ul	98
63) 4-Nitroaniline	15.602	138	21278m	12.046	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.667	198	7729	4.427	ng/ul#	87
67) N-Nitrosodiphenylamine	15.790	169	145740	17.652	ng/ul	99
68) 4-Bromophenyl-phenylether	16.466	248	75253	21.331	ng/ul	96
69) Hexachlorobenzene	16.589	284	56092	14.091	ng/ul	98
70) Atrazine	16.736	200	67198	20.760	ng/ul	97
71) Pentachlorophenol	16.936	266	35315	15.805	ng/ul	93
72) Phenanthrene	17.324	178	329007	20.786	ng/ul	99
74) Anthracene	17.412	178	299691	18.860	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.334	216	85823	20.543	ng/uL	97
76) Pentachlorobenzene	14.856	250	83225	18.217	ng/uL	97
77) Carbazole	17.682	167	225037	16.338	ng/ul	98
78) Di-n-butylphthalate	18.234	149	385561	22.029	ng/ul	99
80) Fluoranthene	19.339	202	377237	20.978	ng/ul	99
82) Pyrene	19.697	202	282591	15.510	ng/ul	99
83) Butylbenzylphthalate	20.579	149	168311	23.459	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.437	252	7089	1.195	ng/ul#	94
85) Benzo(a)anthracene	21.519	228	366473	20.516	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.413	149	264202	25.890	ng/ul	99
87) Chrysene	21.578	228	347393	20.503	ng/ul	100
89) Di-n-octyl phthalate	22.588	149	416967	24.105	ng/ul	100
90) Benzo(b)fluoranthene	23.675	252	382146m	20.316	ng/ul	
91) Benzo(k)fluoranthene	23.740	252	365475	19.481	ng/ul	99
93) Benzo(a)pyrene	24.527	252	147302	8.804	ng/ul#	95
94) Indeno(1,2,3-cd)pyrene	28.258	276	314275m	14.257	ng/ul	
95) Dibenzo(a,h)anthracene	28.311	278	366371	20.269	ng/ul	98
96) Benzo(g,h,i)perylene	29.368	276	15942m	0.888	ng/ul	

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

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