Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051023\
Data File : BG057382.D
Acq On : 10 May 2023 23:45
Operator : CG/JU
Sample : 02591-05MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 11 00:41:15 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 10 11:18:43 2023
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
JREC1MSD

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 05/11/2023
Supervised By :Jagrut Upadhyay 05/11/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.366	152	13262	20.000	ng/ul	0.00
20) Naphthalene-d8	11.203	136	56892	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.975	164	43800	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.718	188	109702	20.000	ng/ul	0.00
79) Chrysene-d12	22.030	240	101977	20.000	ng/ul	0.00
88) Perylene-d12	25.531	264	107738	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.643	96	767	2.545	ng/uL	0.00
4) Pyridine-d5	4.113	84	1290m	1.358	ng/ul	0.02
7) Phenol-d5	7.503	99	25863	20.621	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.667	67	15669	21.241	ng/ul	0.00
11) 2-Chlorophenol-d4	7.896	132	20022	24.225	ng/ul	0.00
15) 4-Methylphenol-d8	9.065	113	18955	19.885	ng/ul	0.00
21) Nitrobenzene-d5	9.541	128	10536	23.255	ng/ul	0.00
24) 2-Nitrophenol-d4	10.275	143	12769	24.149	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.816	165	25072	24.578	ng/ul	0.00
31) 4-Chloroaniline-d4	11.327	131	25094	18.560	ng/ul	0.00
46) Dimethylphthalate-d6	14.364	166	85607	24.667	ng/ul	0.00
49) Acenaphthylene-d8	14.675	160	96291	24.686	ng/ul	0.00
54) 4-Nitrophenol-d4	15.169	143	7705m	15.252	ng/ul	0.00
60) Fluorene-d10	15.962	176	79672	24.643	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.079	200	14918	22.952	ng/ul	0.00
73) Anthracene-d10	17.818	188	126725	25.308	ng/ul	0.00
81) Pyrene-d10	20.080	212	156266	25.816	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.284	264	144784	26.377	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.690	88	2732	8.548	ng/uL#	83
5) Pyridine	4.119	79	2944m	2.939	ng/ul	
6) Benzaldehyde	7.491	77	17031m	44.460	ng/ul	
8) Phenol	7.532	94	30152	23.852	ng/ul	96
10) Bis(2-Chloroethyl)ether	7.767	93	21349	22.565	ng/ul	94
12) 2-Chlorophenol	7.926	128	21650	24.938	ng/ul	97
13) 2-Methylphenol	8.801	108	21271	21.712	ng/ul	95
14) 2,2'-oxybis(1-Chloropr...	8.883	45	25486	20.894	ng/ul	98
16) Acetophenone	9.194	105	38991	23.771	ng/ul	92
17) N-Nitroso-di-n-propyla...	9.165	70	21095	22.380	ng/ul#	92
18) 4-Methylphenol	9.130	108	24881	23.464	ng/ul	97
19) Hexachloroethane	9.465	117	8932	24.591	ng/ul	94
22) Nitrobenzene	9.582	77	30685	22.744	ng/ul	97
23) Isophorone	10.105	82	58340	22.728	ng/ul	98
25) 2-Nitrophenol	10.305	139	13626	25.443	ng/ul	95
26) 2,4-Dimethylphenol	10.346	107	18464	15.198	ng/ul	93
27) Bis(2-Chloroethoxy)met...	10.575	93	30621	22.949	ng/ul	96
29) 2,4-Dichlorophenol	10.845	162	25180	26.005	ng/ul	99
30) Naphthalene	11.256	128	75865	24.287	ng/ul	99
32) 4-Chloroaniline	11.350	127	23904	16.968	ng/ul	98
33) Hexachlorobutadiene	11.527	225	21447	26.115	ng/ul	96
34) Caprolactam	12.096	113	7383	22.650	ng/ul	90
35) 4-Chloro-3-methylphenol	12.449	107	28126	25.246	ng/ul	97
36) 2-Methylnaphthalene	12.831	142	56139	24.507	ng/ul	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.048	142	58163	25.251	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	13.189	216	41471	26.055	ng/ul	99
40) Hexachlorocyclopentadiene	13.160	237	5688	7.161	ng/ul	94
41) 2,4,6-Trichlorophenol	13.424	196	24058	25.952	ng/ul	98
42) 2,4,5-Trichlorophenol	13.506	196	25295	25.415	ng/ul	97
43) 1,1'-Biphenyl	13.812	154	83637	25.025	ng/ul	98
44) 2-Chloronaphthalene	13.865	162	66002	25.470	ng/ul	99
45) 2-Nitroaniline	14.064	65	19680	25.157	ng/ul	89
47) Dimethylphthalate	14.411	163	88723	25.457	ng/ul	99
48) 2,6-Dinitrotoluene	14.546	165	18982	26.465	ng/ul	95
50) Acenaphthylene	14.705	152	99795	25.176	ng/ul	99
51) 3-Nitroaniline	14.881	138	15941	31.367	ng/ul	88
52) Acenaphthene	15.039	153	71469	25.305	ng/ul	98
53) 2,4-Dinitrophenol	15.092	184	6925	18.130	ng/ul	92
55) 4-Nitrophenol	15.186	109	12162	21.237	ng/ul	95
56) Dibenzofuran	15.374	168	104544	25.634	ng/ul	99
57) 2,4-Dinitrotoluene	15.333	165	28020	27.290	ng/ul	91
58) 2,3,4,6-Tetrachlorophenol	15.597	232	23249	25.707	ng/ul	99
59) Diethylphthalate	15.756	149	91064	25.718	ng/ul	100
61) Fluorene	16.020	166	89074	25.829	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.997	204	50680	25.178	ng/ul	98
63) 4-Nitroaniline	16.032	138	17369m	36.090	ng/ul	
66) 4,6-Dinitro-2-methylph...	16.097	198	16450	24.837	ng/ul	98
67) N-Nitrosodiphenylamine	16.208	169	75730	26.427	ng/ul	98
68) 4-Bromophenyl-phenylether	16.890	248	34557	26.356	ng/ul	96
69) Hexachlorobenzene	17.025	284	37413	27.097	ng/ul	97
70) Atrazine	17.142	200	26611	20.894	ng/ul	98
71) Pentachlorophenol	17.372	266	10848m	16.998	ng/ul	
72) Phenanthrene	17.759	178	151559	26.530	ng/ul	100
74) Anthracene	17.853	178	150316	26.194	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.788	216	44210	26.794	ng/uL	98
76) Pentachlorobenzene	15.292	250	42455	25.278	ng/uL	95
77) Carbazole	18.118	167	129423	26.988	ng/ul	97
78) Di-n-butylphthalate	18.635	149	151432	27.614	ng/ul	98
80) Fluoranthene	19.751	202	191831	26.679	ng/ul	97
82) Pyrene	20.109	202	196071	26.937	ng/ul	99
83) Butylbenzylphthalate	20.961	149	67900	29.128	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.901	252	59268	26.170	ng/ul	97
85) Benzo(a)anthracene	22.006	228	194917	27.026	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.848	149	99716	29.412	ng/ul	96
87) Chrysene	22.077	228	182763	26.859	ng/ul	97
89) Di-n-octyl phthalate	23.146	149	162306	27.281	ng/ul	100
90) Benzo(b)fluoranthene	24.409	252	202555m	27.149	ng/ul	
91) Benzo(k)fluoranthene	24.480	252	189419	26.096	ng/ul	100
93) Benzo(a)pyrene	25.367	252	170309	26.441	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	29.584	276	218771	27.171	ng/ul	98
95) Dibenzo(a,h)anthracene	29.626	278	181651	27.208	ng/ul	98
96) Benzo(g,h,i)perylene	30.847	276	162354	24.915	ng/ul	98

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

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