Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052824\
Data File : BG061294.D
Acq On : 28 May 2024 9:08
Operator : MA/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 28 11:00:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 21 15:23:39 2024
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020497

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.881	152	22104	20.000	ng/ul	0.00
20) Naphthalene-d8	10.678	136	102406	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.515	164	87151	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.264	188	216447	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.518	240	225787	20.000	ng/ul	0.00
88) Perylene-d12	24.597	264	249566	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.339	96	3383	8.565	ng/uL	0.00
4) Pyridine-d5	3.739	84	27659	19.684	ng/ul	0.00
7) Phenol-d5	7.064	99	34978	19.270	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.211	67	22443	19.671	ng/ul	0.00
11) 2-Chlorophenol-d4	7.417	132	26240	19.533	ng/ul	0.00
15) 4-Methylphenol-d8	8.604	113	31626	20.433	ng/ul	0.00
21) Nitrobenzene-d5	9.039	128	15199	19.277	ng/ul	0.00
24) 2-Nitrophenol-d4	9.761	143	17065	18.493	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.308	165	35430	19.695	ng/ul	0.00
31) 4-Chloroaniline-d4	10.813	131	45176	19.195	ng/ul	0.00
46) Dimethylphthalate-d6	13.921	166	126920	18.777	ng/ul	0.00
49) Acenaphthylene-d8	14.209	160	139590	19.864	ng/ul	0.00
54) 4-Nitrophenol-d4	14.744	143	14740	17.639	ng/ul	0.00
60) Fluorene-d10	15.513	176	114521	19.624	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.649	200	21926	16.749	ng/ul	0.00
73) Anthracene-d10	17.364	188	186514	19.546	ng/ul	0.00
81) Pyrene-d10	19.656	212	221392	19.097	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.385	264	231441	19.290	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.375	88	3859	8.140	ng/uL#	78
5) Pyridine	3.762	79	26874	19.336	ng/ul	93
6) Benzaldehyde	7.023	77	20368	21.460	ng/ul#	84
8) Phenol	7.088	94	36666	19.825	ng/ul	91
10) Bis(2-Chloroethyl)ether	7.305	93	26954	19.924	ng/ul	89
12) 2-Chlorophenol	7.452	128	28573	20.126	ng/ul	96
13) 2-Methylphenol	8.334	108	28441	19.842	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.404	45	70654	19.339	ng/ul#	96
16) Acetophenone	8.704	105	52470	19.863	ng/ul	96
17) N-Nitroso-di-n-propyla...	8.686	70	26460	18.218	ng/ul	85
18) 4-Methylphenol	8.663	108	31146	19.612	ng/ul	100
19) Hexachloroethane	8.962	117	12316	19.497	ng/ul	86
22) Nitrobenzene	9.080	77	40810	18.871	ng/ul	94
23) Isophorone	9.603	82	76671	17.429	ng/ul	99
25) 2-Nitrophenol	9.791	139	18895	18.865	ng/ul	93
26) 2,4-Dimethylphenol	9.861	107	37632	18.962	ng/ul	95
27) Bis(2-Chloroethoxy)met...	10.084	93	41303	18.731	ng/ul#	93
29) 2,4-Dichlorophenol	10.337	162	33204	20.040	ng/ul	91
30) Naphthalene	10.725	128	105196	19.462	ng/ul	98
32) 4-Chloroaniline	10.836	127	44989	19.236	ng/ul	97
33) Hexachlorobutadiene	11.013	225	30818	19.029	ng/ul	96
34) Caprolactam	11.589	113	11272	17.782	ng/ul	92
35) 4-Chloro-3-methylphenol	11.976	107	39906	18.631	ng/ul	96
36) 2-Methylnaphthalene	12.335	142	74632	19.040	ng/ul	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.558	142	76889	19.114	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.711	216	58446	20.312	ng/ul	100
40) Hexachlorocyclopentadiene	12.687	237	27629	21.274	ng/ul	87
41) 2,4,6-Trichlorophenol	12.958	196	32708	20.181	ng/ul	97
42) 2,4,5-Trichlorophenol	13.034	196	34684	20.322	ng/ul	93
43) 1,1'-Biphenyl	13.351	154	111547	19.794	ng/ul	95
44) 2-Chloronaphthalene	13.392	162	90547	20.417	ng/ul	98
45) 2-Nitroaniline	13.598	65	33175	18.125	ng/ul	88
47) Dimethylphthalate	13.974	163	132047	18.743	ng/ul	99
48) 2,6-Dinitrotoluene	14.097	165	25994	18.815	ng/ul	98
50) Acenaphthylene	14.238	152	152841	19.614	ng/ul	98
51) 3-Nitroaniline	14.426	138	23571	19.659	ng/ul	89
52) Acenaphthene	14.579	153	101154	19.789	ng/ul	98
53) 2,4-Dinitrophenol	14.644	184	12228	16.691	ng/ul	98
55) 4-Nitrophenol	14.755	109	16924	17.225	ng/ul	94
56) Dibenzofuran	14.920	168	144225	19.733	ng/ul	98
57) 2,4-Dinitrotoluene	14.891	165	39071	18.588	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	15.155	232	30111	19.344	ng/ul#	97
59) Diethylphthalate	15.337	149	130762	18.796	ng/ul	99
61) Fluorene	15.566	166	124364	19.666	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.560	204	71980	19.408	ng/ul	96
63) 4-Nitroaniline	15.590	138	24158	19.346	ng/ul	86
66) 4,6-Dinitro-2-methylph...	15.660	198	23066	16.812	ng/ul#	90
67) N-Nitrosodiphenylamine	15.772	169	107413	19.744	ng/ul	97
68) 4-Bromophenyl-phenylether	16.453	248	48987	19.101	ng/ul	96
69) Hexachlorobenzene	16.577	284	56362	19.772	ng/ul	99
70) Atrazine	16.724	200	40024	18.590	ng/ul#	96
71) Pentachlorophenol	16.929	266	20388m	20.549	ng/ul	
72) Phenanthrene	17.305	178	209713	19.962	ng/ul	99
74) Anthracene	17.399	178	213554	19.660	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.316	216	59889	20.932	ng/uL	96
76) Pentachlorobenzene	14.838	250	63031	19.926	ng/uL	94
77) Carbazole	17.670	167	174694	19.773	ng/ul	100
78) Di-n-butylphthalate	18.228	149	214624	19.387	ng/ul	100
80) Fluoranthene	19.321	202	264334	19.007	ng/ul	99
82) Pyrene	19.685	202	276149	19.129	ng/ul	99
83) Butylbenzylphthalate	20.572	149	95218	19.200	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.412	252	101690	21.218	ng/ul#	97
85) Benzo(a)anthracene	21.495	228	304550	19.548	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.412	149	137756	18.766	ng/ul#	99
87) Chrysene	21.559	228	277057	19.313	ng/ul	99
89) Di-n-octyl phthalate	22.576	149	240668	19.276	ng/ul	100
90) Benzo(b)fluoranthene	23.622	252	294115	19.794	ng/ul	100
91) Benzo(k)fluoranthene	23.686	252	283714	18.808	ng/ul	97
93) Benzo(a)pyrene	24.456	252	275309	19.512	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	28.093	276	334914	19.628	ng/ul	99
95) Dibenzo(a,h)anthracene	28.146	278	279892	19.894	ng/ul#	97
96) Benzo(g,h,i)perylene	29.180	276	264907	19.516	ng/ul	96

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

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