Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120723\
Data File : BM043186.D
Acq On : 07 Dec 2023 18:06
Operator : MA/JU
Sample : SSTD08073
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 08 00:30:15 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120723.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 08 00:03:45 2023
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTD080038

Manual Integrations APPROVED

Reviewed By :Yogesh Patel
12/08/2023
Supervised By :mohammad ahmed
12/08/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.016	152	503946	20.000	ng/ul	0.00
20) Naphthalene-d8	10.822	136	2284411	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.639	164	1478173	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.380	188	3129968	20.000	ng/ul	0.00
79) Chrysene-d12	21.544	240	2924072	20.000	ng/ul	0.00
88) Perylene-d12	23.944	264	2681493	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.399	96	379088	29.525	ng/uL	0.00
4) Pyridine-d5	3.816	84	3130903	83.564	ng/ul	0.00
7) Phenol-d5	7.181	99	4267990	87.581	ng/ul	0.01
9) Bis-(2-Chloroethyl)eth...	7.357	67	2546222	82.759	ng/ul	0.00
11) 2-Chlorophenol-d4	7.545	132	3245105	85.082	ng/ul	0.00
15) 4-Methylphenol-d8	8.733	113	3346129	86.081	ng/ul	0.01
21) Nitrobenzene-d5	9.192	128	1669296	85.733	ng/ul	0.01
24) 2-Nitrophenol-d4	9.910	143	1802473	96.000	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.445	165	3613616	86.348	ng/ul	0.01
31) 4-Chloroaniline-d4	10.969	131	4881910	80.997	ng/ul	0.01
46) Dimethylphthalate-d6	14.068	166	10480638	80.885	ng/ul	0.01
49) Acenaphthylene-d8	14.339	160	11951151	79.723	ng/ul	0.00
54) 4-Nitrophenol-d4	14.857	143	2014463	88.959	ng/ul	0.03
60) Fluorene-d10	15.633	176	9074367	80.338	ng/ul	0.01
65) 4,6-Dinitro-2-methylph...	15.762	200	1636415	105.659	ng/ul	0.02
73) Anthracene-d10	17.480	188	13454644	79.457	ng/ul	0.00
81) Pyrene-d10	19.756	212	14573379	77.892	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.803	264	13291969	84.949	ng/ul	0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.434	88	416992	29.566	ng/uL	95
5) Pyridine	3.840	79	3187517	82.567	ng/ul	98
6) Benzaldehyde	7.157	77	2002040m	72.255	ng/ul	
8) Phenol	7.204	94	4200117	86.791	ng/ul	97
10) Bis(2-Chloroethyl)ether	7.451	93	3278059	82.986	ng/ul	99
12) 2-Chlorophenol	7.575	128	3241977	83.786	ng/ul	100
13) 2-Methylphenol	8.463	108	3244065	86.666	ng/ul	97
14) 2,2'-oxybis(1-Chloropr...	8.545	45	5385184	80.936	ng/ul	100
16) Acetophenone	8.857	105	5292569	83.048	ng/ul	96
17) N-Nitroso-di-n-propyla...	8.857	70	2796576	80.201	ng/ul	95
18) 4-Methylphenol	8.804	108	3499706	85.492	ng/ul	99
19) Hexachloroethane	9.092	117	1303564	79.480	ng/ul	96
22) Nitrobenzene	9.233	77	3814312	81.476	ng/ul	98
23) Isophorone	9.769	82	8046037	80.659	ng/ul	98
25) 2-Nitrophenol	9.939	139	1864823	90.623	ng/ul	99
26) 2,4-Dimethylphenol	9.998	107	3214271	79.668	ng/ul	98
27) Bis(2-Chloroethoxy)met...	10.251	93	4656095	79.388	ng/ul	100
29) 2,4-Dichlorophenol	10.475	162	3452550	84.999	ng/ul	99
30) Naphthalene	10.875	128	10954829	78.128	ng/ul	99
32) 4-Chloroaniline	10.992	127	4599791	80.877	ng/ul	100
33) Hexachlorobutadiene	11.145	225	2026511	80.069	ng/ul	99
34) Caprolactam	11.798	113	1002733m	82.061	ng/ul	
35) 4-Chloro-3-methylphenol	12.116	107	3553340	83.311	ng/ul	99
36) 2-Methylnaphthalene	12.480	142	7905283	78.364	ng/ul	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.698	142	7999267	78.122	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.839	216	4162826	83.239	ng/ul	99
40) Hexachlorocyclopentadiene	12.810	237	2287659	84.531	ng/ul	99
41) 2,4,6-Trichlorophenol	13.080	196	2764752	88.843	ng/ul	100
42) 2,4,5-Trichlorophenol	13.151	196	2981174	88.018	ng/ul	99
43) 1,1'-Biphenyl	13.486	154	10432797	79.784	ng/ul	98
44) 2-Chloronaphthalene	13.527	162	8162576	80.529	ng/ul	100
45) 2-Nitroaniline	13.739	65	2398541	89.547	ng/ul	96
47) Dimethylphthalate	14.116	163	10234100	80.527	ng/ul	99
48) 2,6-Dinitrotoluene	14.239	165	2113839	90.277	ng/ul	95
50) Acenaphthylene	14.368	152	13109000	77.371	ng/ul	94
51) 3-Nitroaniline	14.563	138	2209072	85.690	ng/ul	99
52) Acenaphthene	14.704	153	8908959	79.716	ng/ul	100
53) 2,4-Dinitrophenol	14.763	184	1063197	112.397	ng/ul	99
55) 4-Nitrophenol	14.868	109	1419193	85.428	ng/ul	99
56) Dibenzofuran	15.039	168	11956215	78.318	ng/ul	96
57) 2,4-Dinitrotoluene	15.015	165	3018766	90.295	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	15.262	232	2484673	88.256	ng/ul	96
59) Diethylphthalate	15.474	149	10430714	81.596	ng/ul	99
61) Fluorene	15.692	166	10170901	76.964	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.686	204	5340194	81.795	ng/ul	98
63) 4-Nitroaniline	15.733	138	2118624m	80.534	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.774	198	1754102	101.487	ng/ul	100
67) N-Nitrosodiphenylamine	15.904	169	8440617	80.416	ng/ul	99
68) 4-Bromophenyl-phenylether	16.574	248	3208147	84.760	ng/ul	97
69) Hexachlorobenzene	16.674	284	3719251	82.816	ng/ul	98
70) Atrazine	16.857	200	2188149	70.705	ng/ul	98
71) Pentachlorophenol	17.021	266	2326753	92.610	ng/ul	99
72) Phenanthrene	17.421	178	14241632	72.967	ng/ul#	87
74) Anthracene	17.515	178	13836991	70.378	ng/ul#	83
75) 1,2,3,4-Tetrachloroben...	13.439	216	4173440	84.282	ng/uL	98
76) Pentachlorobenzene	14.951	250	4194389	83.352	ng/uL	99
77) Carbazole	17.786	167	13473978	77.943	ng/ul#	90
78) Di-n-butylphthalate	18.351	149	14151944	67.368	ng/ul#	85
80) Fluoranthene	19.421	202	14432163	67.244	ng/ul#	88
82) Pyrene	19.786	202	14377138	64.397	ng/ul#	86
83) Butylbenzylphthalate	20.692	149	8352640	94.053	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.462	252	6254415	87.559	ng/ul	100
85) Benzo(a)anthracene	21.521	228	15211618m	67.850	ng/ul	
86) Bis(2-ethylhexyl)phtha...	21.468	149	11195849	79.864	ng/ul#	85
87) Chrysene	21.580	228	13407477	66.958	ng/ul#	84
89) Di-n-octyl phthalate	22.403	149	15335811	78.963	ng/ul	100
90) Benzo(b)fluoranthene	23.221	252	16354990	85.484	ng/ul	98
91) Benzo(k)fluoranthene	23.268	252	15650235	82.131	ng/ul	98
93) Benzo(a)pyrene	23.856	252	14734624	83.321	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.462	276	16048604	79.668	ng/ul	97
95) Dibenzo(a,h)anthracene	26.485	278	13628818	80.920	ng/ul	99
96) Benzo(g,h,i)perylene	27.232	276	11824588	77.915	ng/ul	98

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

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