Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042523\
Data File : BM039669.D
Acq On : 26 Apr 2023 08:54
Operator : CG/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD020126

Quant Time: Apr 26 09:26:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM041823.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Apr 25 22:38:31 2023
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.802	152	226275	20.000	ng/ul	0.00
20) Naphthalene-d8	10.607	136	990873	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.460	164	573142	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.219	188	1113318	20.000	ng/ul	0.00
79) Chrysene-d12	21.413	240	822293	20.000	ng/ul	0.00
88) Perylene-d12	23.771	264	836381	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.202	96	52513	8.908	ng/uL	0.00
4) Pyridine-d5	3.631	84	349667	21.110	ng/ul	0.00
7) Phenol-d5	6.984	99	447681	21.617	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.143	67	309267	22.593	ng/ul	0.00
11) 2-Chlorophenol-d4	7.337	132	361430	22.248	ng/ul	0.00
15) 4-Methylphenol-d8	8.537	113	352057	21.104	ng/ul	0.00
21) Nitrobenzene-d5	8.978	128	179661	22.537	ng/ul	0.00
24) 2-Nitrophenol-d4	9.702	143	194951	21.779	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.243	165	343115	22.277	ng/ul	0.00
31) 4-Chloroaniline-d4	10.760	131	460021	19.997	ng/ul	0.00
46) Dimethylphthalate-d6	13.878	166	1001117	21.658	ng/ul	0.00
49) Acenaphthylene-d8	14.154	160	1171133	22.553	ng/ul	0.00
54) 4-Nitrophenol-d4	14.707	143	107774	15.406	ng/ul	0.00
60) Fluorene-d10	15.460	176	818357	21.609	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.601	200	155657	21.039	ng/ul	0.00
73) Anthracene-d10	17.319	188	1214702	22.687	ng/ul	0.00
81) Pyrene-d10	19.619	212	1242431	22.738	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.624	264	995668	22.050	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.243	88	58850	9.123	ng/uL	95
5) Pyridine	3.649	79	374966	21.469	ng/ul	98
6) Benzaldehyde	6.955	77	132751	15.004	ng/ul	96
8) Phenol	7.013	94	463262	21.485	ng/ul	96
10) Bis(2-Chloroethyl)ether	7.237	93	394427	21.940	ng/ul	98
12) 2-Chlorophenol	7.372	128	363612	22.243	ng/ul	97
13) 2-Methylphenol	8.266	108	355816	21.245	ng/ul	98
14) 2,2'-oxybis(1-Chloropr...	8.343	45	596047	23.871	ng/ul	98
16) Acetophenone	8.637	105	581745	21.230	ng/ul	95
17) N-Nitroso-di-n-propyla...	8.619	70	331243	21.841	ng/ul	94
18) 4-Methylphenol	8.596	108	387930	21.454	ng/ul	98
19) Hexachloroethane	8.878	117	167053	22.500	ng/ul	96
22) Nitrobenzene	9.019	77	468170	23.785	ng/ul	96
23) Isophorone	9.543	82	927446	22.096	ng/ul	98
25) 2-Nitrophenol	9.731	139	208457	22.319	ng/ul	94
26) 2,4-Dimethylphenol	9.796	107	432984	22.686	ng/ul	98
27) Bis(2-Chloroethoxy)met...	10.031	93	543285	22.012	ng/ul	100
29) 2,4-Dichlorophenol	10.272	162	337198	22.225	ng/ul	99
30) Naphthalene	10.660	128	1224897	22.342	ng/ul	99
32) 4-Chloroaniline	10.784	127	457436	20.181	ng/ul	99
33) Hexachlorobutadiene	10.937	225	224754	22.481	ng/ul	97
34) Caprolactam	11.572	113	105809	18.727	ng/ul	98
35) 4-Chloro-3-methylphenol	11.925	107	377748	21.324	ng/ul	96
36) 2-Methylnaphthalene	12.278	142	785034	21.360	ng/ul	98

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	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1-Methylnaphthalene	12.495	142	784406	21.238	ng/ul	96
39)	1,2,4,5-Tetrachloroben...	12.648	216	405701	23.582	ng/ul	97
40)	Hexachlorocyclopentadiene	12.619	237	169592	16.546	ng/ul	100
41)	2,4,6-Trichlorophenol	12.901	196	259916	22.615	ng/ul	99
42)	2,4,5-Trichlorophenol	12.984	196	266313	22.295	ng/ul	99
43)	1,1'-Biphenyl	13.295	154	1032708	23.315	ng/ul	100
44)	2-Chloronaphthalene	13.337	162	805063	23.170	ng/ul	99
45)	2-Nitroaniline	13.560	65	233382	23.276	ng/ul	95
47)	Dimethylphthalate	13.925	163	996952	21.784	ng/ul	99
48)	2,6-Dinitrotoluene	14.054	165	198037	21.396	ng/ul	97
50)	Acenaphthylene	14.184	152	1263410	22.745	ng/ul	100
51)	3-Nitroaniline	14.395	138	156291	18.015	ng/ul	99
52)	Acenaphthene	14.525	153	858043	22.436	ng/ul	100
53)	2,4-Dinitrophenol	14.613	184	76095	15.445	ng/ul	90
55)	4-Nitrophenol	14.725	109	86747	16.325	ng/ul	93
56)	Dibenzofuran	14.866	168	1170172	22.511	ng/ul	99
57)	2,4-Dinitrotoluene	14.848	165	277422	21.571	ng/ul#	86
58)	2,3,4,6-Tetrachlorophenol	15.101	232	229975	21.509	ng/ul	99
59)	Diethylphthalate	15.289	149	1019158	21.483	ng/ul	100
61)	Fluorene	15.513	166	949814	22.089	ng/ul	100
62)	4-Chlorophenyl-phenyle...	15.507	204	470342	22.069	ng/ul	99
63)	4-Nitroaniline	15.560	138	117186m	17.615	ng/ul	
66)	4,6-Dinitro-2-methylph...	15.613	198	149994	21.087	ng/ul#	89
67)	N-Nitrosodiphenylamine	15.731	169	766606	23.111	ng/ul	99
68)	4-Bromophenyl-phenylether	16.407	248	272488	22.661	ng/ul	98
69)	Hexachlorobenzene	16.519	284	315627	22.848	ng/ul	98
70)	Atrazine	16.683	200	263621	21.418	ng/ul	99
71)	Pentachlorophenol	16.872	266	159200	19.714	ng/ul	98
72)	Phenanthrene	17.260	178	1388371	22.462	ng/ul	99
74)	Anthracene	17.354	178	1417012	22.853	ng/ul	100
75)	1,2,3,4-Tetrachloroben...	13.260	216	414936	25.025	ng/uL	99
76)	Pentachlorobenzene	14.784	250	394941	24.199	ng/uL	99
77)	Carbazole	17.630	167	1201708	21.810	ng/ul	100
78)	Di-n-butylphthalate	18.189	149	1614198	20.712	ng/ul	99
80)	Fluoranthene	19.283	202	1469843	22.950	ng/ul	98
82)	Pyrene	19.648	202	1526899	23.030	ng/ul	97
83)	Butylbenzylphthalate	20.548	149	653042	20.867	ng/ul	98
84)	3,3'-Dichlorobenzidine	21.342	252	280625	15.390	ng/ul	98
85)	Benzo(a)anthracene	21.401	228	1278792	21.501	ng/ul	100
86)	Bis(2-ethylhexyl)phtha...	21.318	149	926385	19.905	ng/ul	99
87)	Chrysene	21.454	228	1249038	22.016	ng/ul	99
89)	Di-n-octyl phthalate	22.230	149	1549067	18.434	ng/ul	100
90)	Benzo(b)fluoranthene	23.059	252	1205542	20.485	ng/ul	99
91)	Benzo(k)fluoranthene	23.101	252	1243484	21.515	ng/ul	99
93)	Benzo(a)pyrene	23.671	252	1086290	21.899	ng/ul	100
94)	Indeno(1,2,3-cd)pyrene	26.218	276	1417627	25.982	ng/ul	99
95)	Dibenzo(a,h)anthracene	26.224	278	1173106	25.931	ng/ul	100
96)	Benzo(g,h,i)perylene	26.965	276	1159869	26.685	ng/ul	99

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

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