Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN022723\
Data File : BN024107.D
Acq On : 27 Feb 2023 14:00
Operator : CG/JU
Sample : SSTD08075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 27 14:30:50 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN022723.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Feb 27 14:28:28 2023
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SSTD080242

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.063	152	260805	20.000	ng/ul	0.00
20) Naphthalene-d8	10.887	136	998039	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.704	164	534065	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.451	188	1046403	20.000	ng/ul	0.00
79) Chrysene-d12	21.639	240	894977	20.000	ng/ul	0.00
88) Perylene-d12	24.168	264	1029141	20.000	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.411	96	203540	31.581	ng/uL	0.00
4) Pyridine-d5	3.834	84	1348890	77.871	ng/ul	0.00
7) Phenol-d5	7.216	99	1667509	78.073	ng/ul	0.01
9) Bis-(2-Chloroethyl)eth...	7.393	67	1019107	76.756	ng/ul	0.00
11) 2-Chlorophenol-d4	7.593	132	1408148	80.568	ng/ul	0.00
15) 4-Methylphenol-d8	8.775	113	1292086	77.648	ng/ul	0.00
21) Nitrobenzene-d5	9.240	128	622009	89.489	ng/ul	0.00
24) 2-Nitrophenol-d4	9.963	143	691840	92.737	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.504	165	1271750	78.173	ng/ul	0.00
31) 4-Chloroaniline-d4	11.022	131	1653354	74.574	ng/ul	0.00
46) Dimethylphthalate-d6	14.116	166	3119071	76.107	ng/ul	0.00
49) Acenaphthylene-d8	14.398	160	3802673	76.673	ng/ul	0.00
54) 4-Nitrophenol-d4	14.887	143	581841	84.797	ng/ul	0.01
60) Fluorene-d10	15.692	176	2685210	75.249	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.810	200	481852	108.928	ng/ul	0.01
73) Anthracene-d10	17.551	188	3904239	78.419	ng/ul	0.00
81) Pyrene-d10	19.839	212	4244253	80.873	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.004	264	4372660	81.217	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.452	88	218650	31.425	ng/uL	97
5) Pyridine	3.858	79	1360508	76.601	ng/ul	94
6) Benzaldehyde	7.193	77	689017m	55.356	ng/ul	
8) Phenol	7.240	94	1685309	76.849	ng/ul	100
10) Bis(2-Chloroethyl)ether	7.487	93	1381219	78.188	ng/ul	98
12) 2-Chlorophenol	7.628	128	1405585	79.211	ng/ul	100
13) 2-Methylphenol	8.505	108	1280606	77.832	ng/ul	98
14) 2,2'-oxybis(1-Chloropr...	8.605	45	1847838	75.664	ng/ul	99
16) Acetophenone	8.899	105	1878408	72.290	ng/ul	98
17) N-Nitroso-di-n-propyla...	8.899	70	919215	72.606	ng/ul	97
18) 4-Methylphenol	8.846	108	1334532	75.889	ng/ul	96
19) Hexachloroethane	9.157	117	574398	80.416	ng/ul	97
22) Nitrobenzene	9.281	77	1440147	82.709	ng/ul	98
23) Isophorone	9.816	82	2736559	75.338	ng/ul	98
25) 2-Nitrophenol	9.999	139	726265	86.683	ng/ul	98
26) 2,4-Dimethylphenol	10.052	107	1409296	76.074	ng/ul	98
27) Bis(2-Chloroethoxy)met...	10.299	93	1695452	76.782	ng/ul	99
29) 2,4-Dichlorophenol	10.528	162	1250519	78.156	ng/ul	99
30) Naphthalene	10.940	128	4160134	75.588	ng/ul	99
32) 4-Chloroaniline	11.046	127	1632892	73.214	ng/ul	100
33) Hexachlorobutadiene	11.228	225	849900	77.216	ng/ul	97
34) Caprolactam	11.822	113	355191m	75.246	ng/ul	
35) 4-Chloro-3-methylphenol	12.157	107	1231403	75.106	ng/ul	98
36) 2-Methylnaphthalene	12.540	142	2652868	74.297	ng/ul	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.757	142	2618230	74.126	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.904	216	1491388	81.817	ng/ul	98
40) Hexachlorocyclopentadiene	12.887	237	881863	95.905	ng/ul	98
41) 2,4,6-Trichlorophenol	13.140	196	957722	81.708	ng/ul	97
42) 2,4,5-Trichlorophenol	13.210	196	1022793	81.682	ng/ul	96
43) 1,1'-Biphenyl	13.546	154	3430552	78.645	ng/ul	97
44) 2-Chloronaphthalene	13.587	162	2709917	78.563	ng/ul	98
45) 2-Nitroaniline	13.787	65	641641	108.153	ng/ul	99
47) Dimethylphthalate	14.163	163	3094369	75.845	ng/ul	99
48) 2,6-Dinitrotoluene	14.281	165	580026	113.970	ng/ul	98
50) Acenaphthylene	14.428	152	3936645	74.643	ng/ul	99
51) 3-Nitroaniline	14.604	138	539000	83.448	ng/ul	99
52) Acenaphthene	14.769	153	2709841	75.792	ng/ul	98
53) 2,4-Dinitrophenol	14.804	184	353545	112.248	ng/ul	97
55) 4-Nitrophenol	14.904	109	441100	80.286	ng/ul	96
56) Dibenzofuran	15.104	168	3770803	75.970	ng/ul	98
57) 2,4-Dinitrotoluene	15.063	165	823386	107.797	ng/ul	94
58) 2,3,4,6-Tetrachlorophenol	15.322	232	834489	79.732	ng/ul	93
59) Diethylphthalate	15.528	149	3017517	76.916	ng/ul	98
61) Fluorene	15.751	166	2766011	69.275	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.745	204	1440479	71.601	ng/ul	99
63) 4-Nitroaniline	15.769	138	451655	75.542	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.822	198	486976	105.258	ng/ul#	94
67) N-Nitrosodiphenylamine	15.957	169	2487759	79.559	ng/ul	98
68) 4-Bromophenyl-phenylether	16.639	248	953686	81.624	ng/ul	97
69) Hexachlorobenzene	16.751	284	1080788	79.321	ng/ul	99
70) Atrazine	16.910	200	864816	81.358	ng/ul	99
71) Pentachlorophenol	17.092	266	727346	85.499	ng/ul	98
72) Phenanthrene	17.492	178	4535930	77.831	ng/ul	99
74) Anthracene	17.586	178	4461473	75.490	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.510	216	1505981	85.931	ng/uL	97
76) Pentachlorobenzene	15.022	250	1373817	84.059	ng/uL	99
77) Carbazole	17.851	167	3949408	74.259	ng/ul	100
78) Di-n-butylphthalate	18.422	149	4729502	82.632	ng/ul	99
80) Fluoranthene	19.504	202	5041689	81.398	ng/ul	99
82) Pyrene	19.869	202	5050069	78.570	ng/ul	98
83) Butylbenzylphthalate	20.763	149	1153464	132.497	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.551	252	1635910	86.975	ng/ul	99
85) Benzo(a)anthracene	21.622	228	5043503	80.304	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.551	149	2022176	123.846	ng/ul	99
87) Chrysene	21.680	228	4722489	78.559	ng/ul	98
89) Di-n-octyl phthalate	22.527	149	4064578	111.674	ng/ul	100
90) Benzo(b)fluoranthene	23.398	252	5263012	79.835	ng/ul	98
91) Benzo(k)fluoranthene	23.451	252	5220630	81.666	ng/ul	97
93) Benzo(a)pyrene	24.068	252	4797817	81.251	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.839	276	6348140m	81.005	ng/ul	
95) Dibenzo(a,h)anthracene	26.868	278	5170958	80.416	ng/ul	98
96) Benzo(g,h,i)perylene	27.668	276	5470466	85.519	ng/ul	93

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

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