Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN041525\
Data File : BN036915.D
Acq On : 15 Apr 2025 13:36
Operator : RC/JU
Sample : SSTD08021
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD080214

Quant Time: Apr 15 15:03:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN041525.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Apr 15 14:57:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.628	152	117719	20.000	ng/ul	0.00
20) Naphthalene-d8	10.416	136	504297	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.287	164	329848	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.034	188	623964	20.000	ng/ul	0.00
79) Chrysene-d12	21.269	240	451287	20.000	ng/ul	0.00
88) Perylene-d12	24.163	264	390981	20.000	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.111	96	87828	29.358	ng/uL	0.00
4) Pyridine-d5	3.517	84	693635	76.797	ng/ul	0.00
7) Phenol-d5	6.811	99	836989	76.459	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.975	67	592291	75.911	ng/ul	0.00
11) 2-Chlorophenol-d4	7.169	132	619482	80.093	ng/ul	0.00
15) 4-Methylphenol-d8	8.352	113	677823	75.033	ng/ul	0.01
21) Nitrobenzene-d5	8.793	128	325499	83.764	ng/ul	0.01
24) 2-Nitrophenol-d4	9.511	143	365131	88.725	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.046	165	636295	85.426	ng/ul	0.00
31) 4-Chloroaniline-d4	10.563	131	903629	78.622	ng/ul	0.01
46) Dimethylphthalate-d6	13.704	166	1902811	77.987	ng/ul	0.00
49) Acenaphthylene-d8	13.981	160	2198114	80.972	ng/ul	0.01
54) 4-Nitrophenol-d4	14.510	143	367876	76.123	ng/ul	0.02
60) Fluorene-d10	15.287	176	1577896	76.989	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.416	200	341677	81.293	ng/ul	0.01
73) Anthracene-d10	17.134	188	2425510	80.052	ng/ul	0.00
81) Pyrene-d10	19.434	212	2413091	97.640	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.974	264	1654877	86.273	ng/ul	0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.146	88	97698	29.607	ng/uL	95
5) Pyridine	3.540	79	719631	76.532	ng/ul	97
6) Benzaldehyde	6.775	77	299715	48.237	ng/ul	95
8) Phenol	6.840	94	877629	75.231	ng/ul	98
10) Bis(2-Chloroethyl)ether	7.069	93	681796	74.448	ng/ul	98
12) 2-Chlorophenol	7.199	128	644844	79.122	ng/ul	100
13) 2-Methylphenol	8.081	108	639618	75.789	ng/ul	96
14) 2,2'-oxybis(1-Chloropr...	8.158	45	1335033	75.733	ng/ul	99
16) Acetophenone	8.458	105	1086163	71.591	ng/ul	98
17) N-Nitroso-di-n-propyla...	8.464	70	641910	74.675	ng/ul	97
18) 4-Methylphenol	8.422	108	706166	73.384	ng/ul	99
19) Hexachloroethane	8.705	117	300182	79.852	ng/ul	97
22) Nitrobenzene	8.834	77	955213	80.182	ng/ul	99
23) Isophorone	9.369	82	1698872	77.645	ng/ul	98
25) 2-Nitrophenol	9.540	139	388626	84.556	ng/ul	98
26) 2,4-Dimethylphenol	9.611	107	812999	83.445	ng/ul	100
27) Bis(2-Chloroethoxy)met...	9.846	93	957777	77.686	ng/ul	98
29) 2,4-Dichlorophenol	10.075	162	639542	82.718	ng/ul	97
30) Naphthalene	10.469	128	2102526	77.313	ng/ul	98
32) 4-Chloroaniline	10.587	127	852798	76.674	ng/ul	97
33) Hexachlorobutadiene	10.758	225	408427	80.018	ng/ul	99
34) Caprolactam	11.387	113	212789m	69.532	ng/ul	
35) 4-Chloro-3-methylphenol	11.728	107	775509	80.294	ng/ul	99
36) 2-Methylnaphthalene	12.087	142	1482679	78.114	ng/ul	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.310	142	1470733	76.594	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.463	216	755321	82.527	ng/ul	98
40) Hexachlorocyclopentadiene	12.446	237	466731	86.914	ng/ul	98
41) 2,4,6-Trichlorophenol	12.710	196	510881	84.866	ng/ul	98
42) 2,4,5-Trichlorophenol	12.781	196	558334	85.145	ng/ul	98
43) 1,1'-Biphenyl	13.116	154	1881472	78.497	ng/ul	99
44) 2-Chloronaphthalene	13.157	162	1460089	78.690	ng/ul	98
45) 2-Nitroaniline	13.369	65	661791	87.952	ng/ul	98
47) Dimethylphthalate	13.751	163	1888507	77.013	ng/ul	100
48) 2,6-Dinitrotoluene	13.875	165	411691	86.062	ng/ul	91
50) Acenaphthylene	14.010	152	2288160	78.163	ng/ul	99
51) 3-Nitroaniline	14.199	138	357589	69.355	ng/ul	94
52) Acenaphthene	14.351	153	1640406	76.950	ng/ul	99
53) 2,4-Dinitrophenol	14.410	184	267372	81.769	ng/ul	91
55) 4-Nitrophenol	14.528	109	383908	78.823	ng/ul	93
56) Dibenzofuran	14.687	168	2232744	76.306	ng/ul	100
57) 2,4-Dinitrotoluene	14.663	165	586861	80.566	ng/ul	92
58) 2,3,4,6-Tetrachlorophenol	14.916	232	455692	83.546	ng/ul	98
59) Diethylphthalate	15.128	149	1989179	77.504	ng/ul	99
61) Fluorene	15.340	166	1865707	76.991	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.340	204	885174	77.184	ng/ul	96
63) 4-Nitroaniline	15.375	138	306491	61.073	ng/ul	95
66) 4,6-Dinitro-2-methylph...	15.434	198	368206	82.167	ng/ul#	91
67) N-Nitrosodiphenylamine	15.551	169	1550222	82.458	ng/ul	95
68) 4-Bromophenyl-phenylether	16.228	248	505075	83.470	ng/ul	93
69) Hexachlorobenzene	16.345	284	537152	80.624	ng/ul	96
70) Atrazine	16.516	200	560306	80.685	ng/ul	94
71) Pentachlorophenol	16.687	266	381306	82.833	ng/ul	96
72) Phenanthrene	17.081	178	2782941	78.087	ng/ul	100
74) Anthracene	17.169	178	2826616	78.276	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.075	216	759084	89.169	ng/uL	98
76) Pentachlorobenzene	14.610	250	657378	77.485	ng/uL	90
77) Carbazole	17.440	167	2452049	75.275	ng/ul	99
78) Di-n-butylphthalate	18.010	149	3243295	79.352	ng/ul	99
80) Fluoranthene	19.098	202	2864732	99.688	ng/ul	99
82) Pyrene	19.463	202	3006458	95.851	ng/ul	98
83) Butylbenzylphthalate	20.369	149	1209905	93.527	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.180	252	627034	77.477	ng/ul	96
85) Benzo(a)anthracene	21.251	228	2439970	79.409	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.180	149	1676132	89.412	ng/ul	98
87) Chrysene	21.310	228	2291927	77.937	ng/ul	98
89) Di-n-octyl phthalate	22.280	149	2577904	98.291	ng/ul	100
90) Benzo(b)fluoranthene	23.257	252	2030129	85.146	ng/ul	98
91) Benzo(k)fluoranthene	23.316	252	2041477	84.759	ng/ul	99
93) Benzo(a)pyrene	24.033	252	1860661	82.732	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	27.427	276	2145115m	80.858	ng/ul	
95) Dibenzo(a,h)anthracene	27.486	278	1740529	81.918	ng/ul	97
96) Benzo(g,h,i)perylene	28.451	276	1663018	81.303	ng/ul	98

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

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