Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN032025\
Data File : BN036693.D
Acq On : 20 Mar 2025 12:49
Operator : RC/JU
Sample : Q1546-01
Misc : MDL-WATER 4 ppm
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2025-01

Quant Time: Mar 20 13:44:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN022825.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 20 13:16:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.705	152	89990	20.000	ng/ul	0.00
20) Naphthalene-d8	10.487	136	388926	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.346	164	260340	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.092	188	540501	20.000	ng/ul	0.00
79) Chrysene-d12	21.328	240	552070	20.000	ng/ul	0.00
88) Perylene-d12	24.280	264	559302	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.193	96	10060	4.346	ng/uL	0.00
4) Pyridine-d5	3.599	84	168376	23.798	ng/ul	0.00
7) Phenol-d5	6.875	99	204968	23.847	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.040	67	154767	25.310	ng/ul	0.00
11) 2-Chlorophenol-d4	7.234	132	156202	25.846	ng/ul	0.00
15) 4-Methylphenol-d8	8.411	113	160265	22.582	ng/ul	0.00
21) Nitrobenzene-d5	8.858	128	82624	26.875	ng/ul	0.00
24) 2-Nitrophenol-d4	9.575	143	86032	26.487	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.110	165	144647	24.553	ng/ul	0.00
31) 4-Chloroaniline-d4	10.628	131	224753	24.705	ng/ul	0.00
46) Dimethylphthalate-d6	13.757	166	552813	28.235	ng/ul	0.00
49) Acenaphthylene-d8	14.040	160	601706	27.512	ng/ul	0.00
54) 4-Nitrophenol-d4	14.546	143	97901	25.244	ng/ul	0.00
60) Fluorene-d10	15.340	176	451583	27.346	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.463	200	89073	24.083	ng/ul	0.00
73) Anthracene-d10	17.192	188	704320	26.480	ng/ul	0.00
81) Pyrene-d10	19.486	212	857477	28.431	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.074	264	798334	28.647	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.234	88	3647m	1.405	ng/uL	
5) Pyridine	3.623	79	34207	4.634	ng/ul#	58
6) Benzaldehyde	6.846	77	27189	5.366	ng/ul	94
8) Phenol	6.899	94	39428	4.279	ng/ul	96
10) Bis(2-Chloroethyl)ether	7.128	93	32395	4.502	ng/ul	95
12) 2-Chlorophenol	7.269	128	29298	4.595	ng/ul	99
13) 2-Methylphenol	8.146	108	24946	3.759	ng/ul	100
14) 2,2'-oxybis(1-Chloropr...	8.222	45	65658	4.754	ng/ul	99
16) Acetophenone	8.522	105	52890	4.384	ng/ul	97
17) N-Nitroso-di-n-propyla...	8.511	70	28880	4.263	ng/ul	96
18) 4-Methylphenol	8.475	108	29750	3.924	ng/ul	91
19) Hexachloroethane	8.775	117	14193	4.843	ng/ul	100
22) Nitrobenzene	8.899	77	44732	4.811	ng/ul	97
23) Isophorone	9.422	82	75949	4.386	ng/ul	98
25) 2-Nitrophenol	9.605	139	16145	4.463	ng/ul	88
26) 2,4-Dimethylphenol	9.669	107	17417	2.278	ng/ul	95
27) Bis(2-Chloroethoxy)met...	9.905	93	44493	4.557	ng/ul	98
29) 2,4-Dichlorophenol	10.134	162	27034	4.474	ng/ul	95
30) Naphthalene	10.540	128	103341	4.805	ng/ul	98
32) 4-Chloroaniline	10.652	127	38720	4.398	ng/ul	97
33) Hexachlorobutadiene	10.828	225	18881	4.744	ng/ul	94
34) Caprolactam	11.440	113	10306m	4.118	ng/ul	
35) 4-Chloro-3-methylphenol	11.781	107	30452	3.974	ng/ul	95
36) 2-Methylnaphthalene	12.157	142	67606	4.516	ng/ul	98

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.375	142	64161	4.250	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.528	216	35187	4.820	ng/ul	98
40) Hexachlorocyclopentadiene	12.510	237	20888	4.848	ng/ul#	95
41) 2,4,6-Trichlorophenol	12.775	196	19785	4.120	ng/ul	95
42) 2,4,5-Trichlorophenol	12.846	196	22008	4.183	ng/ul	97
43) 1,1'-Biphenyl	13.175	154	94474	4.914	ng/ul	98
44) 2-Chloronaphthalene	13.216	162	74203	4.977	ng/ul	98
45) 2-Nitroaniline	13.422	65	23274	3.889	ng/ul	97
47) Dimethylphthalate	13.804	163	98190	4.973	ng/ul	100
48) 2,6-Dinitrotoluene	13.922	165	16302	4.229	ng/ul	94
50) Acenaphthylene	14.069	152	117075	4.946	ng/ul	97
51) 3-Nitroaniline	14.257	138	14787	3.552	ng/ul	99
52) Acenaphthene	14.410	153	84195	4.934	ng/ul	94
53) 2,4-Dinitrophenol	14.463	184	12297	4.640	ng/ul	96
55) 4-Nitrophenol	14.563	109	17962	4.705	ng/ul	92
56) Dibenzofuran	14.746	168	116354	4.948	ng/ul	99
57) 2,4-Dinitrotoluene	14.710	165	25866	4.382	ng/ul#	80
58) 2,3,4,6-Tetrachlorophenol	14.975	232	19531	4.440	ng/ul#	96
59) Diethylphthalate	15.175	149	98639	4.810	ng/ul	98
61) Fluorene	15.398	166	96588	4.969	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.393	204	45064	4.861	ng/ul	98
63) 4-Nitroaniline	15.416	138	14702	3.589	ng/ul	91
66) 4,6-Dinitro-2-methylph...	15.475	198	20212	5.084	ng/ul#	86
67) N-Nitrosodiphenylamine	15.610	169	76559	4.637	ng/ul	100
68) 4-Bromophenyl-phenylether	16.287	248	24871	4.746	ng/ul	98
69) Hexachlorobenzene	16.404	284	26933	4.613	ng/ul	96
70) Atrazine	16.563	200	30858	5.025	ng/ul	95
71) Pentachlorophenol	16.745	266	19277	4.778	ng/ul	93
72) Phenanthrene	17.134	178	151534	4.841	ng/ul	98
74) Anthracene	17.222	178	152606	4.788	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.140	216	32698	4.421	ng/uL	92
76) Pentachlorobenzene	14.669	250	33245	4.464	ng/uL	96
77) Carbazole	17.498	167	129805	4.532	ng/ul	99
78) Di-n-butylphthalate	18.069	149	158006	4.435	ng/ul	98
80) Fluoranthene	19.151	202	169807	4.811	ng/ul	97
82) Pyrene	19.516	202	192555	5.012	ng/ul	98
83) Butylbenzylphthalate	20.428	149	67891	4.285	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.239	252	43390	4.269	ng/ul	99
85) Benzo(a)anthracene	21.310	228	182024	4.786	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.245	149	109817	4.771	ng/ul	96
87) Chrysene	21.375	228	175068	4.782	ng/ul	95
89) Di-n-octyl phthalate	22.363	149	157075	4.176	ng/ul	100
90) Benzo(b)fluoranthene	23.345	252	168620	4.919	ng/ul	97
91) Benzo(k)fluoranthene	23.410	252	168092	4.858	ng/ul	97
93) Benzo(a)pyrene	24.145	252	158938	4.857	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	27.592	276	186629	4.671	ng/ul	95
95) Dibenzo(a,h)anthracene	27.651	278	149894	4.706	ng/ul	98
96) Benzo(g,h,i)perylene	28.621	276	143690	4.618	ng/ul	99

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

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Quant Title : SVOA CALIBRATION
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