Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091525\
Data File : BN037717.D
Acq On : 15 Sep 2025 11:32
Operator : RC/JU
Sample : Q2899-01
Misc : MDL-WATER 4 PPM
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT3-2025-05

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 09/16/2025
Supervised By :Jagrut Upadhyay 09/16/2025

Quant Time: Sep 15 13:27:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN091225.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Sep 12 15:43:05 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.834	152	287186	20.000	ng/ul	0.00
20) Naphthalene-d8	10.646	136	1113239	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.492	164	638283	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.239	188	1111435	20.000	ng/ul	0.00
79) Chrysene-d12	21.492	240	1052402	20.000	ng/ul	0.00
88) Perylene-d12	24.574	264	1134837	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.264	96	27190	4.010	ng/uL	0.00
4) Pyridine-d5	3.675	84	277859	14.738	ng/ul	0.00
7) Phenol-d5	6.987	99	299051	13.957	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.158	67	196111	14.844	ng/ul	0.00
11) 2-Chlorophenol-d4	7.363	132	256368	14.499	ng/ul	0.00
15) 4-Methylphenol-d8	8.534	113	238679	14.151	ng/ul	0.00
21) Nitrobenzene-d5	8.993	128	120800	14.389	ng/ul	0.00
24) 2-Nitrophenol-d4	9.716	143	95896	13.961	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.257	165	215000	13.707	ng/ul	0.00
31) 4-Chloroaniline-d4	10.769	131	345794	14.534	ng/ul	0.00
46) Dimethylphthalate-d6	13.898	166	609303	14.297	ng/ul	0.00
49) Acenaphthylene-d8	14.187	160	803458	15.087	ng/ul	0.00
54) 4-Nitrophenol-d4	14.669	143	88935	11.135	ng/ul	0.00
60) Fluorene-d10	15.487	176	548537	14.391	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.592	200	45407	9.062	ng/ul	0.00
73) Anthracene-d10	17.339	188	788792	14.274	ng/ul	0.00
81) Pyrene-d10	19.627	212	788706	14.337	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.368	264	838215	14.629	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.299	88	10309	1.428	ng/uL	94
5) Pyridine	3.693	79	85535	4.391	ng/ul	92
6) Benzaldehyde	6.963	77	62857	6.262	ng/ul	95
8) Phenol	7.011	94	97149	4.357	ng/ul	98
10) Bis(2-Chloroethyl)ether	7.252	93	79289	4.460	ng/ul	93
12) 2-Chlorophenol	7.393	128	80833	4.371	ng/ul	96
13) 2-Methylphenol	8.269	108	66840	4.066	ng/ul	97
14) 2,2'-oxybis(1-Chloropr...	8.369	45	106522	4.350	ng/ul	99
16) Acetophenone	8.657	105	122392	4.555	ng/ul	98
17) N-Nitroso-di-n-propyla...	8.640	70	52673	4.302	ng/ul	96
18) 4-Methylphenol	8.599	108	75744	4.271	ng/ul	98
19) Hexachloroethane	8.928	117	35048	4.451	ng/ul	95
22) Nitrobenzene	9.028	77	86903	4.524	ng/ul	95
23) Isophorone	9.563	82	140118	4.204	ng/ul	99
25) 2-Nitrophenol	9.746	139	36113	4.457	ng/ul	98
26) 2,4-Dimethylphenol	9.810	107	76583	4.143	ng/ul	99
27) Bis(2-Chloroethoxy)met...	10.052	93	97298	4.379	ng/ul	96
29) 2,4-Dichlorophenol	10.281	162	68877	4.303	ng/ul	96
30) Naphthalene	10.693	128	263310	4.428	ng/ul	98
32) 4-Chloroaniline	10.793	127	104735	4.402	ng/ul	100
33) Hexachlorobutadiene	10.993	225	49878	4.469	ng/ul	92
34) Caprolactam	11.551	113	21163m	4.463	ng/ul	
35) 4-Chloro-3-methylphenol	11.916	107	58954	3.911	ng/ul	96
36) 2-Methylnaphthalene	12.310	142	171525	4.387	ng/ul	95

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Quant Title : SVOA CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.528	142	167669	4.336	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.681	216	87941	4.417	ng/ul	97
40) Hexachlorocyclopentadiene	12.669	237	57866	4.534	ng/ul	98
41) 2,4,6-Trichlorophenol	12.916	196	40912	3.799	ng/ul	97
42) 2,4,5-Trichlorophenol	12.981	196	45555	3.645	ng/ul	94
43) 1,1'-Biphenyl	13.328	154	211245	4.297	ng/ul	98
44) 2-Chloronaphthalene	13.363	162	172578	4.460	ng/ul	99
45) 2-Nitroaniline	13.557	65	30287	3.437	ng/ul	97
47) Dimethylphthalate	13.945	163	188716	4.428	ng/ul	99
48) 2,6-Dinitrotoluene	14.057	165	27622	3.625	ng/ul	96
50) Acenaphthylene	14.210	152	271054	4.386	ng/ul	98
51) 3-Nitroaniline	14.381	138	30223	3.701	ng/ul#	93
52) Acenaphthene	14.557	153	175909	4.374	ng/ul	99
53) 2,4-Dinitrophenol	14.587	184	13163	4.088	ng/ul	87
55) 4-Nitrophenol	14.681	109	28618	4.705	ng/ul	97
56) Dibenzofuran	14.892	168	240725	4.387	ng/ul	100
57) 2,4-Dinitrotoluene	14.845	165	39175	3.591	ng/ul	95
58) 2,3,4,6-Tetrachlorophenol	15.116	232	32792	3.752	ng/ul	97
59) Diethylphthalate	15.316	149	168700	4.166	ng/ul	98
61) Fluorene	15.539	166	194950	4.384	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.539	204	95728	4.474	ng/ul	95
63) 4-Nitroaniline	15.539	138	30348	3.950	ng/ul	94
66) 4,6-Dinitro-2-methylph...	15.604	198	16245	2.902	ng/ul#	83
67) N-Nitrosodiphenylamine	15.751	169	148714	4.172	ng/ul	96
68) 4-Bromophenyl-phenylether	16.434	248	54022	4.322	ng/ul	90
69) Hexachlorobenzene	16.545	284	67938	4.441	ng/ul	97
70) Atrazine	16.698	200	51847	4.328	ng/ul	97
71) Pentachlorophenol	16.886	266	30330	3.611	ng/ul	95
72) Phenanthrene	17.281	178	280138	4.350	ng/ul	98
74) Anthracene	17.375	178	282317	4.323	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.287	216	86476	4.373	ng/uL	98
76) Pentachlorobenzene	14.816	250	86546	4.569	ng/uL	94
77) Carbazole	17.633	167	232674	4.022	ng/ul	99
78) Di-n-butylphthalate	18.222	149	211664	3.606	ng/ul	100
80) Fluoranthene	19.298	202	277077	4.316	ng/ul	99
82) Pyrene	19.657	202	311576	4.563	ng/ul	98
83) Butylbenzylphthalate	20.563	149	59304	3.077	ng/ul	91
84) 3,3'-Dichlorobenzidine	21.392	252	78040	3.839	ng/ul	96
85) Benzo(a)anthracene	21.474	228	292983	4.341	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.416	149	91340	3.143	ng/ul	98
87) Chrysene	21.533	228	275578	4.270	ng/ul	98
89) Di-n-octyl phthalate	22.592	149	121111	2.266	ng/ul	100
90) Benzo(b)fluoranthene	23.604	252	276140	4.122	ng/ul	98
91) Benzo(k)fluoranthene	23.663	252	274867	4.066	ng/ul	99
93) Benzo(a)pyrene	24.433	252	262735	4.091	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	28.062	276	317457	3.778	ng/ul	99
95) Dibenzo(a,h)anthracene	28.127	278	265366m	3.821	ng/ul	
96) Benzo(g,h,i)perylene	29.139	276	271182	3.939	ng/ul	98

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

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