

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN011323\
 Data File : BN023641.D
 Acq On : 12 Jan 2023 12:49
 Operator : CG/JU
 Sample : N4239-02
 Misc : SFAM-MDL-W-02-4PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-WATER-QT3-2022-06

Quant Time: Jan 12 13:47:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN010523.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jan 05 03:34:47 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/13/2023
 Supervised By :mohammad ahmed 01/13/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.946	152	177618	20.000	ng/u1	0.00
20) Naphthalene-d8	10.757	136	811400	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.598	164	515402	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.345	188	1148656	20.000	ng/u1	0.00
79) Chrysene-d12	21.533	240	1149300	20.000	ng/u1	-0.01
88) Perylene-d12	23.962	264	1161640	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.293	96	16833	4.078	ng/uL	0.00
4) Pyridine-d5	3.728	84	157670	12.732	ng/u1	0.00
7) Phenol-d5	7.104	99	279395	17.749	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.269	67	182541	18.902	ng/u1	0.00
11) 2-Chlorophenol-d4	7.469	132	226788	18.811	ng/u1	0.00
15) 4-Methylphenol-d8	8.657	113	223363	17.777	ng/u1	-0.01
21) Nitrobenzene-d5	9.116	128	110298	18.027	ng/u1	0.00
24) 2-Nitrophenol-d4	9.840	143	117371	18.121	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.381	165	218031	17.648	ng/u1	0.00
31) 4-Chloroaniline-d4	10.898	131	335943	17.287	ng/u1	-0.01
46) Dimethylphthalate-d6	14.004	166	655217	17.090	ng/u1	-0.01
49) Acenaphthylene-d8	14.292	160	786651	18.518	ng/u1	0.00
54) 4-Nitrophenol-d4	14.792	143	127715	16.363	ng/u1	-0.01
60) Fluorene-d10	15.586	176	603882	18.433	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	15.710	200	97989	14.141	ng/u1	0.00
73) Anthracene-d10	17.445	188	924444	17.985	ng/u1	0.00
81) Pyrene-d10	19.739	212	1157507	17.610	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.798	264	1071789	18.657	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.334	88	5588m	1.282	ng/uL	
5) Pyridine	3.746	79	46103	3.637	ng/u1#	71
6) Benzaldehyde	7.075	77	34068	5.588	ng/u1	98
8) Phenol	7.128	94	67707	4.225	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.363	93	55288	4.367	ng/u1	98
12) 2-Chlorophenol	7.499	128	53975	4.332	ng/u1	99
13) 2-Methylphenol	8.393	108	46933	3.892	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.475	45	75557m	4.462	ng/u1	
16) Acetophenone	8.775	105	82912	4.269	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.757	70	40516	4.144	ng/u1	97
18) 4-Methylphenol	8.722	108	55359	4.169	ng/u1	97
19) Hexachloroethane	9.028	117	21245	4.264	ng/u1	96
22) Nitrobenzene	9.157	77	66045	4.313	ng/u1	97
23) Isophorone	9.681	82	103328	3.731	ng/u1	99
25) 2-Nitrophenol	9.875	139	28472	3.955	ng/u1	98
26) 2,4-Dimethylphenol	9.934	107	54092	3.702	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.169	93	73818	4.109	ng/u1	98
29) 2,4-Dichlorophenol	10.404	162	52714	4.264	ng/u1	97
30) Naphthalene	10.810	128	188821	4.329	ng/u1	99
32) 4-Chloroaniline	10.922	127	77936	4.004	ng/u1	99
33) Hexachlorobutadiene	11.092	225	32131	4.202	ng/u1	98
34) Caprolactam	11.710	113	15661	3.772	ng/u1	98
35) 4-Chloro-3-methylphenol	12.045	107	52511	3.896	ng/u1	98
36) 2-Methylnaphthalene	12.422	142	123797	4.258	ng/u1	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.639	142	114244	3.846	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.787	216	64587	4.237	ng/ul	98
40) Hexachlorocyclopentadiene	12.763	237	25257	2.629	ng/ul	94
41) 2,4,6-Trichlorophenol	13.028	196	36485	3.631	ng/ul	92
42) 2,4,5-Trichlorophenol	13.098	196	40963	3.728	ng/ul	85
43) 1,1'-Biphenyl	13.428	154	168601	4.240	ng/ul	98
44) 2-Chloronaphthalene	13.475	162	129985	4.213	ng/ul	100
45) 2-Nitroaniline	13.681	65	29612	3.481	ng/ul	96
47) Dimethylphthalate	14.051	163	159553	4.141	ng/ul	100
48) 2,6-Dinitrotoluene	14.175	165	23597	3.240	ng/ul	89
50) Acenaphthylene	14.316	152	200998	4.255	ng/ul	99
51) 3-Nitroaniline	14.504	138	27095	3.712	ng/ul#	92
52) Acenaphthene	14.657	153	143478	4.308	ng/ul	98
53) 2,4-Dinitrophenol	14.710	184	16860	3.542	ng/ul#	81
55) 4-Nitrophenol	14.804	109	25466	4.040	ng/ul	92
56) Dibenzofuran	14.992	168	202229	4.363	ng/ul	99
57) 2,4-Dinitrotoluene	14.963	165	37021	3.482	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	15.222	232	35156	3.734	ng/ul	98
59) Diethylphthalate	15.416	149	148330	3.844	ng/ul	100
61) Fluorene	15.645	166	163321	4.351	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.639	204	78532	4.298	ng/ul	98
63) 4-Nitroaniline	15.663	138	28526m	4.245	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.722	198	27781	4.063	ng/ul#	84
67) N-Nitrosodiphenylamine	15.851	169	131216	4.071	ng/ul	97
68) 4-Bromophenyl-phenylether	16.533	248	44698	3.882	ng/ul	94
69) Hexachlorobenzene	16.645	284	56823	4.212	ng/ul	99
70) Atrazine	16.804	200	46141	3.825	ng/ul	97
71) Pentachlorophenol	16.992	266	33791	3.924	ng/ul	91
72) Phenanthrene	17.386	178	266515	4.330	ng/ul	99
74) Anthracene	17.480	178	254791	4.160	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.392	216	58142	3.760	ng/uL	97
76) Pentachlorobenzene	14.916	250	56888	3.672	ng/uL	98
77) Carbazole	17.751	167	228466	4.108	ng/ul	100
78) Di-n-butylphthalate	18.316	149	240049	3.635	ng/ul	99
80) Fluoranthene	19.404	202	296840	3.861	ng/ul	99
82) Pyrene	19.769	202	334187	4.115	ng/ul	100
83) Butylbenzylphthalate	20.668	149	110023	3.422	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.451	252	84090	3.349	ng/ul#	98
85) Benzo(a)anthracene	21.515	228	314823	4.044	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.445	149	158636	3.399	ng/ul	99
87) Chrysene	21.568	228	314553	4.309	ng/ul	98
89) Di-n-octyl phthalate	22.374	149	238706	2.977	ng/ul	100
90) Benzo(b)fluoranthene	23.209	252	318851	4.309	ng/ul	97
91) Benzo(k)fluoranthene	23.262	252	310562	4.243	ng/ul	98
93) Benzo(a)pyrene	23.851	252	285294	4.446	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.480	276	342646	4.320	ng/ul	100
95) Dibenzo(a,h)anthracene	26.503	278	285313	4.351	ng/ul	97
96) Benzo(g,h,i)perylene	27.262	276	259981	4.116	ng/ul	94

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

