

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031224\
 Data File : BN030368.D
 Acq On : 12 Mar 2024 10:43
 Operator : MA/JU
 Sample : P1601-02
 Misc : SFAM-MDL-WATER-02
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-WATER-QT1-2024-02

Quant Time: Mar 12 11:11:25 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN030824.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 08 13:57:34 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/13/2024
 Supervised By :mohammad ahmed 03/14/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.793	152	111883	20.000	ng/u1	0.00
20) Naphthalene-d8	10.587	136	453127	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.451	164	250843	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.210	188	505262	20.000	ng/u1	0.00
79) Chrysene-d12	21.433	240	390969	20.000	ng/u1	0.00
88) Perylene-d12	23.786	264	441515	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.275	96	16481	4.971	ng/uL	0.00
4) Pyridine-d5	3.681	84	184826	23.354	ng/u1	0.00
7) Phenol-d5	6.963	99	199495	20.097	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.140	67	112134	19.894	ng/u1	0.00
11) 2-Chlorophenol-d4	7.322	132	169989	21.377	ng/u1	0.00
15) 4-Methylphenol-d8	8.504	113	156058	19.946	ng/u1	0.00
21) Nitrobenzene-d5	8.963	128	80893	21.395	ng/u1	0.00
24) 2-Nitrophenol-d4	9.681	143	86979	21.942	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.210	165	151230	21.392	ng/u1	0.00
31) 4-Chloroaniline-d4	10.740	131	210290	20.041	ng/u1	0.00
46) Dimethylphthalate-d6	13.875	166	439254	21.718	ng/u1	0.00
49) Acenaphthylene-d8	14.139	160	509224	22.225	ng/u1	0.00
54) 4-Nitrophenol-d4	14.657	143	60424	16.850	ng/u1	0.00
60) Fluorene-d10	15.451	176	369027	22.242	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.580	200	56354	17.857	ng/u1	0.00
73) Anthracene-d10	17.310	188	478598	19.507	ng/u1	0.00
81) Pyrene-d10	19.621	212	533069	21.470	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.633	264	498301	21.547	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.311	88	3545m	1.114	ng/uL	
5) Pyridine	3.705	79	38532	4.786	ng/u1#	80
6) Benzaldehyde	6.951	77	27491	5.942	ng/u1	96
8) Phenol	6.987	94	42406	4.293	ng/u1	92
10) Bis(2-Chloroethyl)ether	7.234	93	33465	4.239	ng/u1	95
12) 2-Chlorophenol	7.357	128	36365	4.444	ng/u1	97
13) 2-Methylphenol	8.240	108	30167	4.073	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.328	45	29441	4.102	ng/u1	96
16) Acetophenone	8.628	105	56652	4.505	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.610	70	26785	4.452	ng/u1	98
18) 4-Methylphenol	8.569	108	33208	4.244	ng/u1	94
19) Hexachloroethane	8.857	117	17064	4.489	ng/u1	98
22) Nitrobenzene	9.004	77	43956	4.505	ng/u1	96
23) Isophorone	9.528	82	70098	4.156	ng/u1	99
25) 2-Nitrophenol	9.710	139	19009	4.451	ng/u1	98
26) 2,4-Dimethylphenol	9.775	107	26033	2.953	ng/u1	96
27) Bis(2-Chloroethoxy)met...	10.022	93	42987	4.345	ng/u1	98
29) 2,4-Dichlorophenol	10.234	162	31441	4.428	ng/u1	92
30) Naphthalene	10.640	128	120667	4.665	ng/u1	99
32) 4-Chloroaniline	10.763	127	42928	4.206	ng/u1	98
33) Hexachlorobutadiene	10.916	225	22897	4.623	ng/u1	89
34) Caprolactam	11.557	113	8550m	4.044	ng/u1	
35) 4-Chloro-3-methylphenol	11.887	107	32056	3.990	ng/u1	86
36) 2-Methylnaphthalene	12.263	142	76458	4.539	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.481	142	81219	4.877	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.628	216	37169	4.692	ng/ul	99
40) Hexachlorocyclopentadiene	12.598	237	25996	4.381	ng/ul	95
41) 2,4,6-Trichlorophenol	12.875	196	22104	4.398	ng/ul	99
42) 2,4,5-Trichlorophenol	12.939	196	23591	4.296	ng/ul	96
43) 1,1'-Biphenyl	13.281	154	97914	4.625	ng/ul	96
44) 2-Chloronaphthalene	13.322	162	78542	4.777	ng/ul	99
45) 2-Nitroaniline	13.539	65	18258	3.852	ng/ul	98
47) Dimethylphthalate	13.922	163	96738	4.706	ng/ul	98
48) 2,6-Dinitrotoluene	14.045	165	15732	3.963	ng/ul	97
50) Acenaphthylene	14.169	152	124092	4.655	ng/ul	98
51) 3-Nitroaniline	14.375	138	14621	3.759	ng/ul	96
52) Acenaphthene	14.516	153	83713	4.740	ng/ul	97
53) 2,4-Dinitrophenol	14.581	184	11252	5.045	ng/ul#	85
55) 4-Nitrophenol	14.675	109	17911	4.406	ng/ul	87
56) Dibenzofuran	14.851	168	107169	4.549	ng/ul	98
57) 2,4-Dinitrotoluene	14.833	165	22534	3.978	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	15.080	232	18140	4.104	ng/ul	97
59) Diethylphthalate	15.292	149	96481	4.392	ng/ul	98
61) Fluorene	15.504	166	90086	4.632	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.510	204	44471	4.777	ng/ul	94
63) 4-Nitroaniline	15.539	138	13388m	3.718	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.592	198	15503	4.553	ng/ul#	86
67) N-Nitrosodiphenylamine	15.727	169	70370	4.414	ng/ul	99
68) 4-Bromophenyl-phenylether	16.404	248	24346	4.497	ng/ul	87
69) Hexachlorobenzene	16.504	284	28557	4.817	ng/ul	97
70) Atrazine	16.686	200	27461	5.005	ng/ul	99
71) Pentachlorophenol	16.857	266	18660	4.651	ng/ul	96
72) Phenanthrene	17.251	178	136409	4.629	ng/ul	98
74) Anthracene	17.345	178	128305	4.280	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.239	216	34866	4.622	ng/uL	95
76) Pentachlorobenzene	14.763	250	37257	5.297	ng/uL	97
77) Carbazole	17.622	167	105676	3.970	ng/ul	98
78) Di-n-butylphthalate	18.204	149	141276	3.819	ng/ul	99
80) Fluoranthene	19.286	202	136038	4.471	ng/ul	97
82) Pyrene	19.645	202	145124	4.641	ng/ul	98
83) Butylbenzylphthalate	20.580	149	56552	3.775	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.363	252	38015	4.474	ng/ul	96
85) Benzo(a)anthracene	21.415	228	139353	4.750	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.368	149	88775	3.915	ng/ul	99
87) Chrysene	21.468	228	134431	4.940	ng/ul	99
89) Di-n-octyl phthalate	22.292	149	144245	3.490	ng/ul	100
90) Benzo(b)fluoranthene	23.074	252	130636	4.488	ng/ul	98
91) Benzo(k)fluoranthene	23.115	252	138291	4.600	ng/ul	95
93) Benzo(a)pyrene	23.686	252	125642	4.560	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	26.203	276	152976	4.669	ng/ul	100
95) Dibenzo(a,h)anthracene	26.233	278	123708	4.631	ng/ul	98
96) Benzo(g,h,i)perylene	26.939	276	127782	4.815	ng/ul	98

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

