

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120224\
 Data File : BN035395.D
 Acq On : 02 Dec 2024 22:10
 Operator : RC/JU
 Sample : P4776-01
 Misc : MDL-WATER-QT4-2024
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-WATER-QT4-2024-07

Quant Time: Dec 02 22:52:08 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN120224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 02 18:25:21 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
 Supervised By :mohammad ahmed 12/05/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.299	152	69214	20.000	ng/u1	0.00
20) Naphthalene-d8	10.052	136	295310	20.000	ng/u1	0.00
38) Acenaphthene-d10	13.963	164	224898	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.728	188	509830	20.000	ng/u1	0.00
79) Chrysene-d12	20.974	240	539677	20.000	ng/u1	0.00
88) Perylene-d12	23.651	264	598969	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.964	96	5345	3.649	ng/uL	0.00
4) Pyridine-d5	3.340	84	49098	12.716	ng/u1	0.00
7) Phenol-d5	6.505	99	62548	12.685	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.663	67	37483	13.631	ng/u1	0.00
11) 2-Chlorophenol-d4	6.840	132	53226	12.739	ng/u1	0.00
15) 4-Methylphenol-d8	8.016	113	52304	12.172	ng/u1	0.00
21) Nitrobenzene-d5	8.440	128	23647	12.325	ng/u1	0.00
24) 2-Nitrophenol-d4	9.152	143	27289	12.288	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.681	165	59832	12.327	ng/u1	0.00
31) 4-Chloroaniline-d4	10.199	131	74472	12.426	ng/u1	0.00
46) Dimethylphthalate-d6	13.387	166	208948	12.939	ng/u1	0.00
49) Acenaphthylene-d8	13.645	160	230930	12.985	ng/u1	0.00
54) 4-Nitrophenol-d4	14.192	143	29796	11.205	ng/u1	0.00
60) Fluorene-d10	14.969	176	187272	13.429	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.098	200	27510	10.231	ng/u1	0.00
73) Anthracene-d10	16.822	188	292551	13.010	ng/u1	0.00
81) Pyrene-d10	19.145	212	369463	12.962	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.468	264	390345	13.458	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.993	88	1897	1.155	ng/uL#	90
5) Pyridine	3.364	79	16108	4.160	ng/u1#	82
6) Benzaldehyde	6.463	77	12880	4.843	ng/u1	98
8) Phenol	6.528	94	22387	4.384	ng/u1	97
10) Bis(2-Chloroethyl)ether	6.752	93	17492	4.375	ng/u1	97
12) 2-Chlorophenol	6.875	128	18669	4.293	ng/u1	99
13) 2-Methylphenol	7.752	108	15572	3.927	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	7.828	45	13923	4.406	ng/u1	93
16) Acetophenone	8.116	105	31172	4.593	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.105	70	13130	4.070	ng/u1	95
18) 4-Methylphenol	8.075	108	18381	4.172	ng/u1	92
19) Hexachloroethane	8.352	117	8031	4.323	ng/u1	96
22) Nitrobenzene	8.481	77	20955	4.348	ng/u1	98
23) Isophorone	9.005	82	38648	4.002	ng/u1	98
25) 2-Nitrophenol	9.181	139	10176	4.044	ng/u1	94
26) 2,4-Dimethylphenol	9.263	107	14968	2.968	ng/u1	97
27) Bis(2-Chloroethoxy)met...	9.493	93	25028	4.254	ng/u1	99
29) 2,4-Dichlorophenol	9.710	162	21048	4.286	ng/u1	93
30) Naphthalene	10.099	128	67565	4.502	ng/u1	98
32) 4-Chloroaniline	10.222	127	25019	4.358	ng/u1	99
33) Hexachlorobutadiene	10.393	225	16107	4.647	ng/u1	97
34) Caprolactam	10.987	113	4854m	3.421	ng/u1	
35) 4-Chloro-3-methylphenol	11.363	107	19613	3.834	ng/u1	98
36) 2-Methylnaphthalene	11.728	142	48968	4.382	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	11.951	142	45504	3.972	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.110	216	30555	4.610	ng/ul	96
40) Hexachlorocyclopentadiene	12.093	237	16001	4.806	ng/ul	98
41) 2,4,6-Trichlorophenol	12.369	196	17042	3.965	ng/ul	93
42) 2,4,5-Trichlorophenol	12.434	196	19133	3.995	ng/ul	98
43) 1,1'-Biphenyl	12.781	154	68477	4.412	ng/ul	97
44) 2-Chloronaphthalene	12.810	162	54771	4.412	ng/ul	99
45) 2-Nitroaniline	13.034	65	7810	3.201	ng/ul	100
47) Dimethylphthalate	13.434	163	68172	4.220	ng/ul	98
48) 2,6-Dinitrotoluene	13.551	165	8652	3.213	ng/ul	90
50) Acenaphthylene	13.675	152	84500	4.470	ng/ul	99
51) 3-Nitroaniline	13.881	138	8110	2.908	ng/ul	99
52) Acenaphthene	14.022	153	59949	4.406	ng/ul	98
53) 2,4-Dinitrophenol	14.092	184	11045	5.873	ng/ul	98
55) 4-Nitrophenol	14.210	109	9829	3.914	ng/ul	98
56) Dibenzofuran	14.369	168	88314	4.565	ng/ul	95
57) 2,4-Dinitrotoluene	14.345	165	15628	3.658	ng/ul#	91
58) 2,3,4,6-Tetrachlorophenol	14.604	232	17347	4.158	ng/ul#	96
59) Diethylphthalate	14.828	149	65627	4.157	ng/ul	99
61) Fluorene	15.022	166	71848	4.611	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.034	204	37072	4.656	ng/ul	98
63) 4-Nitroaniline	15.051	138	10116	3.740	ng/ul#	89
66) 4,6-Dinitro-2-methylph...	15.116	198	12417	4.262	ng/ul#	93
67) N-Nitrosodiphenylamine	15.251	169	58033	4.285	ng/ul	98
68) 4-Bromophenyl-phenylether	15.934	248	22246	4.315	ng/ul	95
69) Hexachlorobenzene	16.034	284	28338	4.630	ng/ul	99
70) Atrazine	16.222	200	21533	4.451	ng/ul	99
71) Pentachlorophenol	16.381	266	29313	7.544	ng/ul	99
72) Phenanthrene	16.769	178	122182	4.655	ng/ul	99
74) Anthracene	16.857	178	112740	4.254	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	12.734	216	27852	4.120	ng/uL	94
76) Pentachlorobenzene	14.287	250	28434	4.086	ng/uL	100
77) Carbazole	17.139	167	100867	4.574	ng/ul	99
78) Di-n-butylphthalate	17.739	149	105713	4.118	ng/ul	98
80) Fluoranthene	18.810	202	142037	4.246	ng/ul	98
82) Pyrene	19.175	202	159697	4.451	ng/ul	99
83) Butylbenzylphthalate	20.127	149	37792	3.737	ng/ul	98
84) 3,3'-Dichlorobenzidine	20.910	252	28864	3.000	ng/ul	98
85) Benzo(a)anthracene	20.963	228	159654	4.407	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	20.939	149	59783	3.750	ng/ul	97
87) Chrysene	21.016	228	159810	4.578	ng/ul	99
89) Di-n-octyl phthalate	21.963	149	94497	3.471	ng/ul	100
90) Benzo(b)fluoranthene	22.816	252	155829	4.513	ng/ul	97
91) Benzo(k)fluoranthene	22.868	252	151346	4.281	ng/ul	97
93) Benzo(a)pyrene	23.521	252	135905	4.194	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	26.586	276	162966	4.216	ng/ul	99
95) Dibenzo(a,h)anthracene	26.645	278	133980m	4.278	ng/ul	
96) Benzo(g,h,i)perylene	27.498	276	126558	4.314	ng/ul	98

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

