

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN010623\
 Data File : BN023572.D
 Acq On : 06 Jan 2023 11:32
 Operator : CG/JU
 Sample : N5388-02
 Misc : SFAM-MDL-W-02-4PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-WATER-QT4-2022-08

Quant Time: Jan 06 12:02:04 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 01/09/2023
 Supervised By :mohammad ahmed 01/09/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.946	152	174936	20.000	ng/u1	0.00
20) Naphthalene-d8	10.763	136	814392	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.604	164	530119	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.351	188	1158562	20.000	ng/u1	0.00
79) Chrysene-d12	21.539	240	1099706	20.000	ng/u1	0.00
88) Perylene-d12	23.969	264	1177634	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.293	96	16200	3.985	ng/uL	0.00
4) Pyridine-d5	3.728	84	143758	11.786	ng/u1	0.00
7) Phenol-d5	7.105	99	250209	16.138	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.275	67	161058	16.933	ng/u1	0.00
11) 2-Chlorophenol-d4	7.469	132	199846	16.830	ng/u1	0.00
15) 4-Methylphenol-d8	8.658	113	201785	16.306	ng/u1	-0.01
21) Nitrobenzene-d5	9.116	128	97993	15.957	ng/u1	0.00
24) 2-Nitrophenol-d4	9.840	143	103905	15.983	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.381	165	197961	15.965	ng/u1	0.00
31) 4-Chloroaniline-d4	10.905	131	298185	15.288	ng/u1	0.00
46) Dimethylphthalate-d6	14.010	166	624265	15.830	ng/u1	0.00
49) Acenaphthylene-d8	14.293	160	708860	16.223	ng/u1	0.00
54) 4-Nitrophenol-d4	14.798	143	115763	14.420	ng/u1	0.00
60) Fluorene-d10	15.592	176	551471	16.366	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.710	200	94703	13.550	ng/u1	0.00
73) Anthracene-d10	17.445	188	865915	16.702	ng/u1	0.00
81) Pyrene-d10	19.745	212	1027069	16.330	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.810	264	965422	16.577	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.334	88	5494	1.280	ng/uL	90
5) Pyridine	3.752	79	40783	3.266	ng/u1#	82
6) Benzaldehyde	7.081	77	29119	4.850	ng/u1	96
8) Phenol	7.134	94	66059	4.186	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.369	93	54602	4.379	ng/u1	97
12) 2-Chlorophenol	7.505	128	53111	4.328	ng/u1	98
13) 2-Methylphenol	8.393	108	46366	3.904	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.481	45	73901	4.431	ng/u1	99
16) Acetophenone	8.775	105	82780	4.328	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.758	70	40183	4.173	ng/u1	99
18) 4-Methylphenol	8.722	108	53962	4.126	ng/u1	98
19) Hexachloroethane	9.034	117	20968	4.272	ng/u1	94
22) Nitrobenzene	9.158	77	65343	4.251	ng/u1	95
23) Isophorone	9.687	82	103577	3.726	ng/u1	98
25) 2-Nitrophenol	9.875	139	29510	4.084	ng/u1	99
26) 2,4-Dimethylphenol	9.934	107	57738	3.937	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.175	93	74763	4.147	ng/u1	97
29) 2,4-Dichlorophenol	10.405	162	51601	4.159	ng/u1	96
30) Naphthalene	10.816	128	186867	4.268	ng/u1	99
32) 4-Chloroaniline	10.928	127	79059	4.047	ng/u1	99
33) Hexachlorobutadiene	11.099	225	33244	4.332	ng/u1	96
34) Caprolactam	11.716	113	14338m	3.441	ng/u1	
35) 4-Chloro-3-methylphenol	12.052	107	52135	3.854	ng/u1	97
36) 2-Methylnaphthalene	12.428	142	122681	4.204	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.646	142	98662	3.309	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.793	216	65408	4.172	ng/ul	94
40) Hexachlorocyclopentadiene	12.769	237	27587	2.792	ng/ul	98
41) 2,4,6-Trichlorophenol	13.034	196	37916	3.669	ng/ul	99
42) 2,4,5-Trichlorophenol	13.104	196	41993	3.715	ng/ul	89
43) 1,1'-Biphenyl	13.434	154	170978	4.181	ng/ul	98
44) 2-Chloronaphthalene	13.475	162	130234	4.104	ng/ul	100
45) 2-Nitroaniline	13.681	65	29216	3.339	ng/ul	95
47) Dimethylphthalate	14.057	163	159777	4.032	ng/ul	99
48) 2,6-Dinitrotoluene	14.181	165	24235	3.235	ng/ul	94
50) Acenaphthylene	14.322	152	203311	4.185	ng/ul	100
51) 3-Nitroaniline	14.504	138	27244	3.629	ng/ul	97
52) Acenaphthene	14.663	153	141974	4.145	ng/ul	99
53) 2,4-Dinitrophenol	14.716	184	21920	4.477	ng/ul	95
55) 4-Nitrophenol	14.810	109	25200	3.887	ng/ul	95
56) Dibenzofuran	14.998	168	201371	4.224	ng/ul	98
57) 2,4-Dinitrotoluene	14.963	165	38102	3.484	ng/ul	93
58) 2,3,4,6-Tetrachlorophenol	15.228	232	35286	3.643	ng/ul	96
59) Diethylphthalate	15.422	149	154516	3.893	ng/ul	99
61) Fluorene	15.645	166	166032	4.300	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.640	204	81933	4.359	ng/ul	97
63) 4-Nitroaniline	15.669	138	27425m	3.968	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.728	198	31166	4.519	ng/ul#	89
67) N-Nitrosodiphenylamine	15.857	169	134619	4.140	ng/ul	99
68) 4-Bromophenyl-phenylether	16.534	248	47075	4.054	ng/ul	95
69) Hexachlorobenzene	16.651	284	56689	4.166	ng/ul	98
70) Atrazine	16.810	200	65732	5.402	ng/ul	99
71) Pentachlorophenol	16.998	266	34252	3.944	ng/ul	92
72) Phenanthrene	17.392	178	264897	4.267	ng/ul	99
74) Anthracene	17.481	178	259451	4.199	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.398	216	51673	3.313	ng/uL	96
76) Pentachlorobenzene	14.916	250	49884	3.193	ng/uL	98
77) Carbazole	17.757	167	227858	4.062	ng/ul	98
78) Di-n-butylphthalate	18.316	149	244169	3.666	ng/ul	99
80) Fluoranthene	19.410	202	308893	4.199	ng/ul	99
82) Pyrene	19.769	202	331535	4.267	ng/ul	100
83) Butylbenzylphthalate	20.669	149	99291	3.228	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.457	252	106356	4.427	ng/ul	99
85) Benzo(a)anthracene	21.522	228	316264	4.246	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.445	149	151081	3.383	ng/ul	99
87) Chrysene	21.575	228	301434	4.316	ng/ul	98
89) Di-n-octyl phthalate	22.380	149	237227	2.919	ng/ul	100
90) Benzo(b)fluoranthene	23.221	252	319462	4.259	ng/ul	99
91) Benzo(k)fluoranthene	23.269	252	298527	4.023	ng/ul	99
93) Benzo(a)pyrene	23.857	252	283537	4.358	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	26.486	276	333928	4.153	ng/ul	97
95) Dibenzo(a,h)anthracene	26.504	278	278186	4.185	ng/ul	98
96) Benzo(g,h,i)perylene	27.268	276	253985	3.967	ng/ul	99

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

