

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052224\
 Data File : BN031605.D
 Acq On : 22 May 2024 13:54
 Operator : MA/JU
 Sample : P2409-02
 Misc : SFAM-MDL-WATER-02
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-WATER-QT2-2024-04

Quant Time: May 22 23:29:29 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 21 23:42:49 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/24/2024
 Supervised By :mohammad ahmed 05/24/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.693	152	472446	20.000	ng/u1	0.00
20) Naphthalene-d8	10.475	136	1972872	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.328	164	1169759	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.075	188	2135433	20.000	ng/u1	0.00
79) Chrysene-d12	21.304	240	1456208	20.000	ng/u1	0.00
88) Perylene-d12	24.233	264	1345937	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.205	96	63768	5.350	ng/uL	0.00
4) Pyridine-d5	3.599	84	884979	26.606	ng/u1	0.00
7) Phenol-d5	6.857	99	1025148	26.359	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.034	67	618036	26.496	ng/u1	0.00
11) 2-Chlorophenol-d4	7.222	132	756918	25.258	ng/u1	0.00
15) 4-Methylphenol-d8	8.387	113	748966	24.876	ng/u1	0.00
21) Nitrobenzene-d5	8.846	128	384659	25.762	ng/u1	0.00
24) 2-Nitrophenol-d4	9.563	143	354644	24.873	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.093	165	667525	23.944	ng/u1	0.00
31) 4-Chloroaniline-d4	10.610	131	1045601	26.019	ng/u1	0.00
46) Dimethylphthalate-d6	13.745	166	1951990	26.479	ng/u1	0.00
49) Acenaphthylene-d8	14.022	160	2398832	25.963	ng/u1	0.00
54) 4-Nitrophenol-d4	14.522	143	334685	23.995	ng/u1	0.00
60) Fluorene-d10	15.322	176	1693678	26.511	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.439	200	171955	18.625	ng/u1	0.00
73) Anthracene-d10	17.169	188	2180900	24.126	ng/u1	0.00
81) Pyrene-d10	19.463	212	2290207	25.073	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.033	264	1684516	26.589	ng/u1	0.00
Target Compounds						
2) 1,4-Dioxane	3.234	88	14326m	1.141	ng/uL	
5) Pyridine	3.622	79	167349	5.112	ng/u1#	81
6) Benzaldehyde	6.840	77	126474m	6.349	ng/u1	
8) Phenol	6.881	94	193963	4.853	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.122	93	168203	5.071	ng/u1	98
12) 2-Chlorophenol	7.252	128	149613	4.760	ng/u1	99
13) 2-Methylphenol	8.128	108	132027	4.409	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.222	45	194034	5.064	ng/u1	99
16) Acetophenone	8.510	105	244299	5.202	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.499	70	115497	4.787	ng/u1	99
18) 4-Methylphenol	8.451	108	151041	4.747	ng/u1	97
19) Hexachloroethane	8.763	117	65597	4.885	ng/u1	98
22) Nitrobenzene	8.887	77	178800	4.888	ng/u1	97
23) Isophorone	9.410	82	327120	4.702	ng/u1	100
25) 2-Nitrophenol	9.593	139	73629	4.633	ng/u1	96
26) 2,4-Dimethylphenol	9.651	107	94339	2.906	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.893	93	213821	4.821	ng/u1	100
29) 2,4-Dichlorophenol	10.122	162	130503	4.722	ng/u1	98
30) Naphthalene	10.522	128	503341	4.957	ng/u1	99
32) 4-Chloroaniline	10.634	127	199382	5.085	ng/u1	100
33) Hexachlorobutadiene	10.804	225	82900	4.902	ng/u1	96
34) Caprolactam	11.410	113	40338	4.507	ng/u1	88
35) 4-Chloro-3-methylphenol	11.757	107	135422	4.512	ng/u1	98
36) 2-Methylnaphthalene	12.140	142	322642	4.856	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.363	142	337836	5.137	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.504	216	157205	4.749	ng/ul	98
40) Hexachlorocyclopentadiene	12.487	237	90914	4.581	ng/ul#	93
41) 2,4,6-Trichlorophenol	12.751	196	88104	4.307	ng/ul	96
42) 2,4,5-Trichlorophenol	12.816	196	98042	4.427	ng/ul	99
43) 1,1'-Biphenyl	13.163	154	419902	4.979	ng/ul	99
44) 2-Chloronaphthalene	13.198	162	328327	4.917	ng/ul	98
45) 2-Nitroaniline	13.404	65	71512	4.091	ng/ul	93
47) Dimethylphthalate	13.792	163	379658	5.047	ng/ul	98
48) 2,6-Dinitrotoluene	13.910	165	57525	4.013	ng/ul	94
50) Acenaphthylene	14.051	152	530766	4.976	ng/ul	98
51) 3-Nitroaniline	14.234	138	66039	4.058	ng/ul#	94
52) Acenaphthene	14.392	153	345717	5.003	ng/ul	96
53) 2,4-Dinitrophenol	14.439	184	22982	3.491	ng/ul	89
55) 4-Nitrophenol	14.534	109	53272	5.069	ng/ul	92
56) Dibenzofuran	14.728	168	463924	5.029	ng/ul	97
57) 2,4-Dinitrotoluene	14.692	165	84624	4.406	ng/ul	100
58) 2,3,4,6-Tetrachlorophenol	14.951	232	66731	4.148	ng/ul	98
59) Diethylphthalate	15.157	149	348355	4.915	ng/ul	98
61) Fluorene	15.381	166	379068	5.246	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.375	204	182858	5.256	ng/ul	99
63) 4-Nitroaniline	15.398	138	65660	4.499	ng/ul	91
66) 4,6-Dinitro-2-methylph...	15.451	198	41703	4.119	ng/ul#	91
67) N-Nitrosodiphenylamine	15.592	169	299349	4.762	ng/ul	98
68) 4-Bromophenyl-phenylether	16.269	248	97397	4.530	ng/ul	96
69) Hexachlorobenzene	16.369	284	114233	4.923	ng/ul	98
70) Atrazine	16.545	200	89879	5.313	ng/ul	99
71) Pentachlorophenol	16.722	266	53970	4.078	ng/ul	97
72) Phenanthrene	17.116	178	542547	5.006	ng/ul	98
74) Anthracene	17.204	178	504694	4.642	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.122	216	154647	4.555	ng/ul	99
76) Pentachlorobenzene	14.645	250	151655	4.934	ng/ul	97
77) Carbazole	17.475	167	456216	4.917	ng/ul	98
78) Di-n-butylphthalate	18.051	149	468010	4.393	ng/ul	100
80) Fluoranthene	19.127	202	519142	4.598	ng/ul	99
82) Pyrene	19.492	202	555251	4.796	ng/ul	96
83) Butylbenzylphthalate	20.410	149	141951	3.612	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.215	252	101984	3.642	ng/ul	94
85) Benzo(a)anthracene	21.280	228	449589	4.591	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.227	149	204838	3.807	ng/ul	100
87) Chrysene	21.345	228	421806	4.663	ng/ul	98
89) Di-n-octyl phthalate	22.339	149	261121	3.394	ng/ul	100
90) Benzo(b)fluoranthene	23.310	252	369559	4.705	ng/ul	99
91) Benzo(k)fluoranthene	23.368	252	368352	4.601	ng/ul	97
93) Benzo(a)pyrene	24.092	252	360263	4.775	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	27.527	276	401529	4.434	ng/ul	99
95) Dibenzo(a,h)anthracene	27.592	278	332782m	4.463	ng/ul	
96) Benzo(g,h,i)perylene	28.556	276	338473	4.524	ng/ul	99

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

