

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN011624\
 Data File : BN029243.D
 Acq On : 16 Jan 2024 10:58
 Operator : MA/JU
 Sample : 02215-01
 Misc : SFAM-MDL-WATER-01
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-WATER-QT2-2023-03

Quant Time: Jan 17 01:21:50 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN011524.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jan 16 03:57:40 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut
 Upadhyay
 01/17/2024

Supervised By :mohammad
 ahmed
 01/18/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.940	152	116328	20.000	ng/u1	0.00
20) Naphthalene-d8	10.746	136	525226	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.581	164	354275	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.333	188	839178	20.000	ng/u1	0.00
79) Chrysene-d12	21.533	240	881887	20.000	ng/u1	0.00
88) Perylene-d12	23.945	264	1035268	20.000	ng/u1	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.375	96	13515	4.798	ng/uL	0.00
4) Pyridine-d5	3.781	84	191573	22.050	ng/u1	0.00
7) Phenol-d5	7.105	99	221448	19.841	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.281	67	146434	20.801	ng/u1	0.00
11) 2-Chlorophenol-d4	7.469	132	167635	21.232	ng/u1	0.00
15) 4-Methylphenol-d8	8.652	113	178691	19.857	ng/u1	0.00
21) Nitrobenzene-d5	9.110	128	85326	22.393	ng/u1	0.00
24) 2-Nitrophenol-d4	9.828	143	68248	21.598	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.363	165	158058	20.094	ng/u1	0.00
31) 4-Chloroaniline-d4	10.887	131	279068	19.603	ng/u1	0.00
46) Dimethylphthalate-d6	14.004	166	634921	21.772	ng/u1	0.00
49) Acenaphthylene-d8	14.275	160	716914	21.829	ng/u1	0.00
54) 4-Nitrophenol-d4	14.781	143	90049	17.742	ng/u1	0.00
60) Fluorene-d10	15.575	176	550105	22.134	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.692	200	48805	13.829	ng/u1	0.00
73) Anthracene-d10	17.433	188	857936	20.337	ng/u1	0.00
81) Pyrene-d10	19.727	212	1062960	21.691	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.792	264	1142883	21.419	ng/u1	0.00

Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.405	88	3148	1.102	ng/uL#	89
5) Pyridine	3.805	79	31340	3.531	ng/u1#	64
6) Benzaldehyde	7.087	77	28796	5.749	ng/u1	98
8) Phenol	7.128	94	36855	3.249	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.375	93	30864	3.352	ng/u1	96
12) 2-Chlorophenol	7.499	128	29611	3.603	ng/u1	98
13) 2-Methylphenol	8.387	108	26145	3.026	ng/u1	95
14) 2,2'-oxybis(1-Chloropr...	8.475	45	41665	3.539	ng/u1	96
16) Acetophenone	8.775	105	51342	3.367	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.757	70	27139	3.382	ng/u1	96
18) 4-Methylphenol	8.710	108	29459	3.168	ng/u1	98
19) Hexachloroethane	9.016	117	13573	3.638	ng/u1	94
22) Nitrobenzene	9.152	77	38448	3.650	ng/u1	98
23) Isophorone	9.675	82	74256	3.316	ng/u1	98
25) 2-Nitrophenol	9.857	139	13024	3.520	ng/u1	96
26) 2,4-Dimethylphenol	9.922	107	33916	3.429	ng/u1	94
27) Bis(2-Chloroethoxy)met...	10.169	93	44272	3.512	ng/u1	99
29) 2,4-Dichlorophenol	10.387	162	27324	3.532	ng/u1	99
30) Naphthalene	10.793	128	105354	3.518	ng/u1	99
32) 4-Chloroaniline	10.910	127	45380	3.277	ng/u1	99
33) Hexachlorobutadiene	11.075	225	20187	3.697	ng/u1	99
34) Caprolactam	11.693	113	11255m	3.590	ng/u1	
35) 4-Chloro-3-methylphenol	12.028	107	28680	3.125	ng/u1	98
36) 2-Methylnaphthalene	12.404	142	72768	3.474	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.622	142	75888	3.652	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.769	216	39097	3.541	ng/ul	95
40) Hexachlorocyclopentadiene	12.740	237	22155	2.997	ng/ul	89
41) 2,4,6-Trichlorophenol	13.016	196	17478	2.857	ng/ul	96
42) 2,4,5-Trichlorophenol	13.075	196	20815	3.030	ng/ul	96
43) 1,1'-Biphenyl	13.422	154	100320	3.514	ng/ul	100
44) 2-Chloronaphthalene	13.457	162	77377	3.469	ng/ul	97
45) 2-Nitroaniline	13.663	65	17384	2.941	ng/ul	97
47) Dimethylphthalate	14.051	163	104432	3.517	ng/ul	99
48) 2,6-Dinitrotoluene	14.169	165	13681	2.849	ng/ul	98
50) Acenaphthylene	14.304	152	136233	3.575	ng/ul	98
51) 3-Nitroaniline	14.492	138	15560	2.984	ng/ul#	91
52) Acenaphthene	14.645	153	87492	3.498	ng/ul	96
53) 2,4-Dinitrophenol	14.698	184	5767	2.811	ng/ul	96
55) 4-Nitrophenol	14.787	109	15029	3.232	ng/ul	90
56) Dibenzofuran	14.981	168	121714	3.598	ng/ul	99
57) 2,4-Dinitrotoluene	14.951	165	20985	2.985	ng/ul#	98
58) 2,3,4,6-Tetrachlorophenol	15.204	232	16126	2.846	ng/ul#	94
59) Diethylphthalate	15.416	149	106133	3.426	ng/ul	96
61) Fluorene	15.628	166	104118	3.554	ng/ul	95
62) 4-Chlorophenyl-phenyle...	15.634	204	50624	3.537	ng/ul	98
63) 4-Nitroaniline	15.651	138	19256m	3.750	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.704	198	10603	2.609	ng/ul#	68
67) N-Nitrosodiphenylamine	15.845	169	85909	3.376	ng/ul	95
68) 4-Bromophenyl-phenylether	16.528	248	29560	3.151	ng/ul	94
69) Hexachlorobenzene	16.622	284	38244	3.388	ng/ul	92
70) Atrazine	16.804	200	31609	3.272	ng/ul	97
71) Pentachlorophenol	16.975	266	16138	2.646	ng/ul	93
72) Phenanthrene	17.375	178	169880	3.489	ng/ul	97
74) Anthracene	17.463	178	166251	3.288	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.375	216	38494	3.393	ng/uL	91
76) Pentachlorobenzene	14.892	250	44599	3.797	ng/uL	94
77) Carbazole	17.739	167	145881	3.120	ng/ul	99
78) Di-n-butylphthalate	18.322	149	166905	2.927	ng/ul	98
80) Fluoranthene	19.392	202	193314	3.339	ng/ul	98
82) Pyrene	19.757	202	214744	3.492	ng/ul	98
83) Butylbenzylphthalate	20.686	149	63574	2.644	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.457	252	53469	2.613	ng/ul#	93
85) Benzo(a)anthracene	21.516	228	224020	3.447	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.474	149	106659	2.686	ng/ul	99
87) Chrysene	21.569	228	206362	3.433	ng/ul	100
89) Di-n-octyl phthalate	22.421	149	163269	2.237	ng/ul	100
90) Benzo(b)fluoranthene	23.210	252	222885	3.395	ng/ul	98
91) Benzo(k)fluoranthene	23.263	252	215212	3.290	ng/ul	97
93) Benzo(a)pyrene	23.839	252	206315	3.314	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.451	276	244877	3.108	ng/ul	99
95) Dibenzo(a,h)anthracene	26.474	278	205395	3.126	ng/ul	98
96) Benzo(g,h,i)perylene	27.209	276	197149	3.134	ng/ul	96

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

