

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121224\
 Data File : BM048967.D
 Acq On : 12 Dec 2024 11:30
 Operator : RC/JU
 Sample : P4776-01
 Misc : MDL-WATER-QT4-2024
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Dec 12 23:17:55 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM121124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 12 00:53:37 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/13/2024
 Supervised By :mohammad ahmed 12/13/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.569	152	185118	20.000	ng/u1	0.00
20) Naphthalene-d8	10.340	136	719546	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.210	164	399821	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.951	188	760457	20.000	ng/u1	0.00
79) Chrysene-d12	21.180	240	649501	20.000	ng/u1	0.00
88) Perylene-d12	23.986	264	686841	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.152	96	17237	3.277	ng/uL	0.00
4) Pyridine-d5	3.546	84	179406	11.468	ng/u1	0.00
7) Phenol-d5	6.758	99	185926	11.522	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.916	67	136329	12.439	ng/u1	0.00
11) 2-Chlorophenol-d4	7.110	132	143063	12.218	ng/u1	0.00
15) 4-Methylphenol-d8	8.275	113	130945	10.871	ng/u1	0.00
21) Nitrobenzene-d5	8.716	128	62001	12.015	ng/u1	0.00
24) 2-Nitrophenol-d4	9.428	143	53919	11.303	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.963	165	115858	11.411	ng/u1	0.00
31) 4-Chloroaniline-d4	10.475	131	172033	10.868	ng/u1	0.00
46) Dimethylphthalate-d6	13.628	166	330368	12.001	ng/u1	0.00
49) Acenaphthylene-d8	13.898	160	404384	12.034	ng/u1	0.00
54) 4-Nitrophenol-d4	14.410	143	47957	9.092	ng/u1	0.00
60) Fluorene-d10	15.204	176	289122	12.118	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.322	200	26677	6.724	ng/u1	0.00
73) Anthracene-d10	17.051	188	401260	10.766	ng/u1	0.00
81) Pyrene-d10	19.351	212	461555	12.658	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.798	264	414725	11.785	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.187	88	6347m	1.133	ng/uL	
5) Pyridine	3.564	79	61182	3.743	ng/u1#	85
6) Benzaldehyde	6.722	77	39957	4.644	ng/u1	95
8) Phenol	6.781	94	68539	3.940	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.010	93	57281	4.164	ng/u1	99
12) 2-Chlorophenol	7.140	128	50631	4.096	ng/u1	95
13) 2-Methylphenol	8.016	108	40941	3.430	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.093	45	85145	4.182	ng/u1	99
16) Acetophenone	8.387	105	76783	3.789	ng/u1	92
17) N-Nitroso-di-n-propyla...	8.375	70	35881	3.633	ng/u1	97
18) 4-Methylphenol	8.340	108	47471	3.618	ng/u1	92
19) Hexachloroethane	8.640	117	21719	4.064	ng/u1	89
22) Nitrobenzene	8.757	77	58058	4.104	ng/u1	99
23) Isophorone	9.281	82	91896	3.674	ng/u1	96
25) 2-Nitrophenol	9.457	139	22041	3.917	ng/u1	98
26) 2,4-Dimethylphenol	9.534	107	28721	2.458	ng/u1	95
27) Bis(2-Chloroethoxy)met...	9.769	93	65015	4.067	ng/u1	97
29) 2,4-Dichlorophenol	9.993	162	42140	4.016	ng/u1	94
30) Naphthalene	10.387	128	159754	4.179	ng/u1	100
32) 4-Chloroaniline	10.498	127	54990	3.609	ng/u1	94
33) Hexachlorobutadiene	10.681	225	27546	4.067	ng/u1	97
34) Caprolactam	11.281	113	10259m	3.103	ng/u1	
35) 4-Chloro-3-methylphenol	11.634	107	32495	3.237	ng/u1	98
36) 2-Methylnaphthalene	12.004	142	93547	3.864	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.228	142	88535	3.659	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.381	216	48484	3.962	ng/ul	97
40) Hexachlorocyclopentadiene	12.369	237	22980	3.024	ng/ul	93
41) 2,4,6-Trichlorophenol	12.628	196	23040	3.355	ng/ul	99
42) 2,4,5-Trichlorophenol	12.698	196	26832	3.550	ng/ul	99
43) 1,1'-Biphenyl	13.039	154	121778	4.024	ng/ul	99
44) 2-Chloronaphthalene	13.075	162	96070	3.995	ng/ul	96
45) 2-Nitroaniline	13.281	65	17747	2.877	ng/ul	91
47) Dimethylphthalate	13.675	163	108289	3.931	ng/ul	99
48) 2,6-Dinitrotoluene	13.786	165	14264	3.071	ng/ul	98
50) Acenaphthylene	13.922	152	148712	4.066	ng/ul	99
51) 3-Nitroaniline	14.116	138	14554	2.690	ng/ul#	96
52) Acenaphthene	14.269	153	100109	3.859	ng/ul	98
53) 2,4-Dinitrophenol	14.322	184	8196	3.379	ng/ul	88
55) 4-Nitrophenol	14.428	109	13478m	3.487	ng/ul	
56) Dibenzofuran	14.610	168	140605	4.026	ng/ul	96
57) 2,4-Dinitrotoluene	14.575	165	21119	3.076	ng/ul#	99
58) 2,3,4,6-Tetrachlorophenol	14.839	232	18724	3.384	ng/ul	95
59) Diethylphthalate	15.051	149	98292	3.705	ng/ul	98
61) Fluorene	15.263	166	112488	3.896	ng/ul	95
62) 4-Chlorophenyl-phenyle...	15.263	204	50915	3.639	ng/ul	98
63) 4-Nitroaniline	15.275	138	14551m	2.823	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.333	198	12710	2.878	ng/ul#	87
67) N-Nitrosodiphenylamine	15.475	169	82434	3.558	ng/ul	99
68) 4-Bromophenyl-phenylether	16.157	248	26895	3.590	ng/ul	94
69) Hexachlorobenzene	16.263	284	33197	3.686	ng/ul	93
70) Atrazine	16.439	200	25066	2.951	ng/ul	96
71) Pentachlorophenol	16.610	266	19614	3.518	ng/ul	97
72) Phenanthrene	16.998	178	165194	3.755	ng/ul	98
74) Anthracene	17.086	178	156680	3.537	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	12.992	216	42441	3.442	ng/ul	95
76) Pentachlorobenzene	14.528	250	39630	3.313	ng/ul	97
77) Carbazole	17.357	167	138473	3.315	ng/ul	100
78) Di-n-butylphthalate	17.945	149	135232	3.223	ng/ul	99
80) Fluoranthene	19.016	202	167353	3.903	ng/ul	99
82) Pyrene	19.380	202	192961	4.080	ng/ul	97
83) Butylbenzylphthalate	20.310	149	46343	3.210	ng/ul	93
84) 3,3'-Dichlorobenzidine	21.098	252	21550	1.911	ng/ul#	97
85) Benzo(a)anthracene	21.162	228	170900	3.923	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.121	149	65059	3.119	ng/ul	99
87) Chrysene	21.221	228	165015	4.024	ng/ul	98
89) Di-n-octyl phthalate	22.198	149	89910	2.176	ng/ul	100
90) Benzo(b)fluoranthene	23.104	252	152387	3.508	ng/ul	98
91) Benzo(k)fluoranthene	23.162	252	156022	3.595	ng/ul	98
93) Benzo(a)pyrene	23.856	252	142118	3.519	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	27.097	276	186366m	3.735	ng/ul	
95) Dibenzo(a,h)anthracene	27.162	278	152866	3.749	ng/ul	97
96) Benzo(g,h,i)perylene	28.068	276	149163m	3.894	ng/ul	

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

