

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121324\
 Data File : BM048976.D
 Acq On : 13 Dec 2024 11:05
 Operator : RC/JU
 Sample : P4776-02
 Misc : MDL-WATER-QT4-2024
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-QT4-2024-08

Quant Time: Dec 13 12:26:02 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 12/14/2024
 Supervised By :mohammad ahmed 12/14/2024

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 ahmed
 12/14/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.569	152	150553	20.000	ng/u1	0.00
20) Naphthalene-d8	10.334	136	564256	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.204	164	307149	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.951	188	595950	20.000	ng/u1	0.00
79) Chrysene-d12	21.174	240	481908	20.000	ng/u1	0.00
88) Perylene-d12	23.980	264	508069	20.000	ng/u1	-0.02

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.152	96	14283	3.339	ng/uL	0.00
4) Pyridine-d5	3.546	84	150437	11.824	ng/u1	0.00
7) Phenol-d5	6.758	99	146437	11.158	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.916	67	109034	12.233	ng/u1	0.00
11) 2-Chlorophenol-d4	7.111	132	111671	11.726	ng/u1	0.00
15) 4-Methylphenol-d8	8.275	113	102902	10.504	ng/u1	0.00
21) Nitrobenzene-d5	8.710	128	47463	11.729	ng/u1	0.00
24) 2-Nitrophenol-d4	9.428	143	38420	10.270	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.963	165	89660	11.261	ng/u1	0.00
31) 4-Chloroaniline-d4	10.475	131	134516	10.837	ng/u1	0.00
46) Dimethylphthalate-d6	13.628	166	259716	12.281	ng/u1	0.00
49) Acenaphthylene-d8	13.892	160	314672	12.189	ng/u1	0.00
54) 4-Nitrophenol-d4	14.416	143	32200	7.946	ng/u1	0.00
60) Fluorene-d10	15.204	176	226452	12.355	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.322	200	18122	5.829	ng/u1	0.00
73) Anthracene-d10	17.051	188	321541	11.009	ng/u1	0.00
81) Pyrene-d10	19.351	212	346750	12.816	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.792	264	297672	11.435	ng/u1	-0.01

Target Compounds				Qvalue		
5) Pyridine	3.564	79	51336	3.862	ng/u1#	81
6) Benzaldehyde	6.722	77	30278	4.327	ng/u1	95
8) Phenol	6.781	94	56821	4.016	ng/u1	95
10) Bis(2-Chloroethyl)ether	7.011	93	45342	4.053	ng/u1	98
12) 2-Chlorophenol	7.140	128	40559	4.034	ng/u1	94
13) 2-Methylphenol	8.016	108	31736	3.269	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.093	45	67308	4.065	ng/u1	99
16) Acetophenone	8.387	105	61360	3.723	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.375	70	27729	3.452	ng/u1#	97
18) 4-Methylphenol	8.340	108	37561	3.520	ng/u1	93
19) Hexachloroethane	8.640	117	17873	4.113	ng/u1	96
22) Nitrobenzene	8.752	77	45148	4.069	ng/u1	99
23) Isophorone	9.281	82	70320	3.585	ng/u1	99
25) 2-Nitrophenol	9.457	139	15181	3.440	ng/u1#	96
26) 2,4-Dimethylphenol	9.528	107	26384	2.880	ng/u1	89
27) Bis(2-Chloroethoxy)met...	9.769	93	48132	3.839	ng/u1	99
29) 2,4-Dichlorophenol	9.993	162	31737	3.857	ng/u1	93
30) Naphthalene	10.387	128	123519	4.120	ng/u1	97
32) 4-Chloroaniline	10.499	127	43871	3.672	ng/u1	98
33) Hexachlorobutadiene	10.681	225	21855	4.115	ng/u1	94
34) Caprolactam	11.275	113	7157m	2.760	ng/u1	
35) 4-Chloro-3-methylphenol	11.634	107	23088	2.933	ng/u1	90
36) 2-Methylnaphthalene	12.004	142	72741	3.831	ng/u1	99
37) 1-Methylnaphthalene	12.228	142	67488	3.556	ng/u1#	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 1,2,4,5-Tetrachloroben...	12.381	216	37301	3.968	ng/ul	96
40) Hexachlorocyclopentadiene	12.369	237	18884	3.234	ng/ul	96
41) 2,4,6-Trichlorophenol	12.628	196	15889	3.012	ng/ul	92
42) 2,4,5-Trichlorophenol	12.698	196	18324	3.155	ng/ul	98
43) 1,1'-Biphenyl	13.040	154	93411	4.018	ng/ul	99
44) 2-Chloronaphthalene	13.069	162	74812	4.050	ng/ul	97
45) 2-Nitroaniline	13.281	65	12771	2.695	ng/ul	95
47) Dimethylphthalate	13.675	163	84020	3.971	ng/ul	99
48) 2,6-Dinitrotoluene	13.787	165	9581	2.686	ng/ul#	88
50) Acenaphthylene	13.922	152	117281	4.174	ng/ul	99
51) 3-Nitroaniline	14.116	138	10375	2.497	ng/ul#	89
52) Acenaphthene	14.269	153	79420	3.985	ng/ul	96
53) 2,4-Dinitrophenol	14.322	184	4442	2.384	ng/ul	94
55) 4-Nitrophenol	14.428	109	7438	2.505	ng/ul	99
56) Dibenzofuran	14.610	168	109920	4.097	ng/ul	96
57) 2,4-Dinitrotoluene	14.575	165	15164	2.875	ng/ul	95
58) 2,3,4,6-Tetrachlorophenol	14.839	232	13704	3.224	ng/ul#	90
59) Diethylphthalate	15.051	149	76807	3.769	ng/ul	99
61) Fluorene	15.257	166	87971	3.966	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.263	204	41077	3.822	ng/ul	98
63) 4-Nitroaniline	15.281	138	11342m	2.865	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.339	198	8840	2.554	ng/ul#	96
67) N-Nitrosodiphenylamine	15.475	169	65348	3.599	ng/ul	99
68) 4-Bromophenyl-phenylether	16.157	248	20841	3.550	ng/ul	90
69) Hexachlorobenzene	16.263	284	26919	3.814	ng/ul#	91
70) Atrazine	16.439	200	18264	2.744	ng/ul	97
71) Pentachlorophenol	16.604	266	10513	2.406	ng/ul	95
72) Phenanthrene	16.992	178	128486	3.727	ng/ul	98
74) Anthracene	17.086	178	125469	3.614	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	12.992	216	34492	3.569	ng/uL	98
76) Pentachlorobenzene	14.528	250	30541	3.258	ng/uL	98
77) Carbazole	17.357	167	106566	3.255	ng/ul	98
78) Di-n-butylphthalate	17.945	149	101272	3.080	ng/ul#	99
80) Fluoranthene	19.016	202	126846	3.987	ng/ul	96
82) Pyrene	19.380	202	146214	4.166	ng/ul	96
83) Butylbenzylphthalate	20.310	149	33446	3.123	ng/ul	92
84) 3,3'-Dichlorobenzidine	21.098	252	19313	2.308	ng/ul	98
85) Benzo(a)anthracene	21.163	228	128012	3.961	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.121	149	45225	2.923	ng/ul	97
87) Chrysene	21.215	228	123751	4.068	ng/ul	99
89) Di-n-octyl phthalate	22.192	149	59386	1.943	ng/ul	100
90) Benzo(b)fluoranthene	23.104	252	113158	3.522	ng/ul	98
91) Benzo(k)fluoranthene	23.162	252	114726	3.574	ng/ul	97
93) Benzo(a)pyrene	23.851	252	102413	3.428	ng/ul#	96
94) Indeno(1,2,3-cd)pyrene	27.103	276	127589	3.456	ng/ul	98
95) Dibenzo(a,h)anthracene	27.150	278	103178	3.421	ng/ul	98
96) Benzo(g,h,i)perylene	28.062	276	103232	3.643	ng/ul	96

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

