

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032524\
 Data File : BP019979.D
 Acq On : 25 Mar 2024 11:49
 Operator : MA/JU
 Sample : P1601-01
 Misc : SFAM-MDL-WATER-01
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-WATER-QT1-2024-01

Quant Time: Mar 25 12:37:33 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP032224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Mar 25 10:46:59 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/26/2024
 Supervised By :mohammad ahmed 03/27/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.593	152	142293	20.000	ng/u1	-0.02
20) Naphthalene-d8	10.357	136	584980	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.228	164	381952	20.000	ng/u1	-0.02
64) Phenanthrene-d10	17.069	188	772215	20.000	ng/u1	0.00
79) Chrysene-d12	21.533	240	634735	20.000	ng/u1	-0.01
88) Perylene-d12	24.827	264	677040	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.228	96	18297	5.634	ng/uL	-0.02
4) Pyridine-d5	3.623	84	246267	25.113	ng/u1	-0.02
7) Phenol-d5	6.781	99	293871	24.488	ng/u1	-0.02
9) Bis-(2-Chloroethyl)eth...	6.952	67	196058	25.076	ng/u1	-0.02
11) 2-Chlorophenol-d4	7.134	132	211783	24.573	ng/u1	-0.02
15) 4-Methylphenol-d8	8.287	113	221920	23.902	ng/u1	-0.02
21) Nitrobenzene-d5	8.746	128	109051	24.321	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.452	143	121971	24.313	ng/u1	-0.02
28) 2,4-Dichlorophenol-d3	9.987	165	214224	23.382	ng/u1	-0.01
31) 4-Chloroaniline-d4	10.499	131	286067	23.951	ng/u1	-0.02
46) Dimethylphthalate-d6	13.651	166	654380	24.436	ng/u1	0.00
49) Acenaphthylene-d8	13.928	160	764217	24.429	ng/u1	0.00
54) 4-Nitrophenol-d4	14.481	143	87098	20.688	ng/u1	0.00
60) Fluorene-d10	15.257	176	555344	24.344	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.404	200	94616	20.469	ng/u1	-0.02
73) Anthracene-d10	17.169	188	774245	22.650	ng/u1	0.00
81) Pyrene-d10	19.557	212	901272	24.201	ng/u1	-0.01
92) Benzo(a)pyrene-d12	24.592	264	788071	24.229	ng/u1	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.264	88	4462	1.204	ng/uL#	91
5) Pyridine	3.646	79	47560	4.758	ng/u1#	79
6) Benzaldehyde	6.769	77	39651	6.682	ng/u1	99
8) Phenol	6.805	94	60066	4.787	ng/u1	95
10) Bis(2-Chloroethyl)ether	7.046	93	51472	5.066	ng/u1	95
12) 2-Chlorophenol	7.164	128	44631	4.914	ng/u1	98
13) 2-Methylphenol	8.028	108	42146	4.660	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.111	45	72405	5.182	ng/u1	97
16) Acetophenone	8.410	105	77445	5.171	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.387	70	44516	5.329	ng/u1	99
18) 4-Methylphenol	8.352	108	46906	4.818	ng/u1	97
19) Hexachloroethane	8.640	117	20667	4.899	ng/u1	95
22) Nitrobenzene	8.787	77	63077	4.939	ng/u1	98
23) Isophorone	9.305	82	116841	4.908	ng/u1	99
25) 2-Nitrophenol	9.487	139	25584	4.892	ng/u1	94
26) 2,4-Dimethylphenol	9.540	107	39605	3.469	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.787	93	69623	5.001	ng/u1	97
29) 2,4-Dichlorophenol	10.010	162	42770	4.772	ng/u1	93
30) Naphthalene	10.405	128	146693	4.888	ng/u1	99
32) 4-Chloroaniline	10.522	127	55677	4.750	ng/u1	100
33) Hexachlorobutadiene	10.663	225	34093	4.827	ng/u1	99
34) Caprolactam	11.357	113	13750m	4.935	ng/u1	
35) 4-Chloro-3-methylphenol	11.663	107	46532	4.674	ng/u1	99
36) 2-Methylnaphthalene	12.022	142	99666	4.988	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.246	142	103221	5.165	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.399	216	59168	4.685	ng/ul	99
40) Hexachlorocyclopentadiene	12.357	237	22869	3.200	ng/ul	99
41) 2,4,6-Trichlorophenol	12.651	196	34850	4.492	ng/ul	98
42) 2,4,5-Trichlorophenol	12.734	196	36515	4.551	ng/ul	96
43) 1,1'-Biphenyl	13.051	154	133384	4.822	ng/ul	98
44) 2-Chloronaphthalene	13.087	162	108680	4.872	ng/ul	98
45) 2-Nitroaniline	13.322	65	33033	4.701	ng/ul	96
47) Dimethylphthalate	13.698	163	133721	4.947	ng/ul	99
48) 2,6-Dinitrotoluene	13.828	165	24657	4.493	ng/ul	99
50) Acenaphthylene	13.963	152	174900	4.999	ng/ul	98
51) 3-Nitroaniline	14.169	138	22641	4.480	ng/ul	97
52) Acenaphthene	14.310	153	114710	4.936	ng/ul	99
53) 2,4-Dinitrophenol	14.410	184	14499	4.642	ng/ul	95
55) 4-Nitrophenol	14.493	109	16043	4.153	ng/ul	89
56) Dibenzofuran	14.651	168	154127	4.883	ng/ul	96
57) 2,4-Dinitrotoluene	14.651	165	36557	4.872	ng/ul#	98
58) 2,3,4,6-Tetrachlorophenol	14.887	232	31961	4.645	ng/ul	99
59) Diethylphthalate	15.098	149	128431	4.791	ng/ul	97
61) Fluorene	15.310	166	128184	4.979	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.304	204	67842	4.920	ng/ul	96
63) 4-Nitroaniline	15.369	138	17831	4.131	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.422	198	23976	4.887	ng/ul#	85
67) N-Nitrosodiphenylamine	15.545	169	104542	4.901	ng/ul	98
68) 4-Bromophenyl-phenylether	16.239	248	41437	4.944	ng/ul	97
69) Hexachlorobenzene	16.345	284	43911	4.718	ng/ul	97
70) Atrazine	16.528	200	40360	4.939	ng/ul	93
71) Pentachlorophenol	16.710	266	25370	4.650	ng/ul	94
72) Phenanthrene	17.110	178	192340	4.818	ng/ul	99
74) Anthracene	17.204	178	182792	4.509	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	12.998	216	57292	4.550	ng/uL	96
76) Pentachlorobenzene	14.545	250	60512	5.190	ng/uL	97
77) Carbazole	17.504	167	154167	4.447	ng/ul	97
78) Di-n-butylphthalate	18.086	149	199075	4.599	ng/ul	99
80) Fluoranthene	19.216	202	211591	4.837	ng/ul	100
82) Pyrene	19.592	202	223252	4.911	ng/ul	97
83) Butylbenzylphthalate	20.575	149	80831	4.379	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.463	252	59587	4.414	ng/ul	97
85) Benzo(a)anthracene	21.516	228	209490	4.769	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.474	149	122133	4.528	ng/ul	96
87) Chrysene	21.580	228	196224	4.805	ng/ul	99
89) Di-n-octyl phthalate	22.727	149	208650	4.859	ng/ul	100
90) Benzo(b)fluoranthene	23.780	252	191170m	4.816	ng/ul	
91) Benzo(k)fluoranthene	23.851	252	195241	4.840	ng/ul	99
93) Benzo(a)pyrene	24.663	252	183332	4.775	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	28.545	276	229491m	4.745	ng/ul	
95) Dibenzo(a,h)anthracene	28.633	278	177602	4.515	ng/ul	98
96) Benzo(g,h,i)perylene	29.698	276	186046m	4.763	ng/ul	

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

