Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101623\
Data File : BP017676.D
Acq On : 16 Oct 2023 11:07
Operator : MA/JU
Sample : 02215-02
Misc : SFAM-MDL-WATER-02
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 16 12:23:32 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP101223.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 12 16:14:36 2023
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
MDL-WATER-QT2-2023-04

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/17/2023
Supervised By :mohammad ahmed 10/18/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.904	152	78403	20.000	ng/ul	0.00
20) Naphthalene-d8	10.740	136	306979	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.604	164	186364	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.398	188	435753	20.000	ng/ul	0.00
79) Chrysene-d12	21.539	240	502060	20.000	ng/ul	0.00
88) Perylene-d12	24.115	264	587304	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	14115	6.638	ng/uL	-0.01
4) Pyridine-d5	3.699	84	149314	25.400	ng/ul	0.00
7) Phenol-d5	7.057	99	174447	23.899	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.246	67	112648	25.448	ng/ul	0.00
11) 2-Chlorophenol-d4	7.422	132	143650	25.425	ng/ul	0.00
15) 4-Methylphenol-d8	8.622	113	132262	22.686	ng/ul	0.00
21) Nitrobenzene-d5	9.110	128	64674	25.083	ng/ul	0.00
24) 2-Nitrophenol-d4	9.828	143	70674	24.373	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.357	165	123741	22.706	ng/ul	0.00
31) 4-Chloroaniline-d4	10.910	131	180516	23.109	ng/ul	0.00
46) Dimethylphthalate-d6	14.022	166	407034	25.218	ng/ul	0.00
49) Acenaphthylene-d8	14.298	160	446271	25.676	ng/ul	0.00
54) 4-Nitrophenol-d4	14.857	143	56999	21.115	ng/ul	0.00
60) Fluorene-d10	15.610	176	369763	26.932	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.757	200	53073	17.232	ng/ul	0.00
73) Anthracene-d10	17.498	188	601760	26.751	ng/ul	0.00
81) Pyrene-d10	19.757	212	745470	24.670	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.945	264	880076	26.693	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.299	88	2342	1.038	ng/uL#	94
5) Pyridine	3.722	79	23764	3.936	ng/ul#	58
6) Benzaldehyde	7.069	77	20407	5.519	ng/ul	98
8) Phenol	7.087	94	27023	3.730	ng/ul#	91
10) Bis(2-Chloroethyl)ether	7.340	93	23693	4.076	ng/ul	97
12) 2-Chlorophenol	7.457	128	23489	4.161	ng/ul	95
13) 2-Methylphenol	8.357	108	17752	3.292	ng/ul	96
14) 2,2'-oxybis(1-Chloropr...	8.422	45	29074m	3.876	ng/ul	
16) Acetophenone	8.763	105	32839	3.620	ng/ul	95
17) N-Nitroso-di-n-propyla...	8.728	70	16571	3.609	ng/ul	99
18) 4-Methylphenol	8.693	108	20332	3.468	ng/ul	91
19) Hexachloroethane	8.969	117	10671	4.231	ng/ul	96
22) Nitrobenzene	9.157	77	27324	4.126	ng/ul	98
23) Isophorone	9.669	82	41662	3.489	ng/ul	98
25) 2-Nitrophenol	9.863	139	11704	3.794	ng/ul	95
26) 2,4-Dimethylphenol	9.904	107	24223	3.952	ng/ul	91
27) Bis(2-Chloroethoxy)met...	10.157	93	29027	3.978	ng/ul	92
29) 2,4-Dichlorophenol	10.387	162	19874	3.779	ng/ul	95
30) Naphthalene	10.787	128	76276	4.274	ng/ul	98
32) 4-Chloroaniline	10.940	127	27954	3.743	ng/ul	96
33) Hexachlorobutadiene	11.016	225	17961	4.417	ng/ul#	84
34) Caprolactam	11.769	113	9535m	5.928	ng/ul	
35) 4-Chloro-3-methylphenol	12.057	107	17799	3.208	ng/ul	86
36) 2-Methylnaphthalene	12.410	142	48452	3.964	ng/ul	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.634	142	50161	4.044	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.763	216	29390	4.323	ng/ul	95
40) Hexachlorocyclopentadiene	12.698	237	10688	3.499	ng/ul#	80
41) 2,4,6-Trichlorophenol	13.034	196	13571	3.241	ng/ul	93
42) 2,4,5-Trichlorophenol	13.110	196	15040m	3.403	ng/ul	
43) 1,1'-Biphenyl	13.428	154	66404	4.348	ng/ul	98
44) 2-Chloronaphthalene	13.481	162	51183	4.189	ng/ul	94
45) 2-Nitroaniline	13.734	65	10616m	3.143	ng/ul	
47) Dimethylphthalate	14.069	163	65947	4.137	ng/ul	98
48) 2,6-Dinitrotoluene	14.222	165	9109	3.088	ng/ul	88
50) Acenaphthylene	14.334	152	82908	4.217	ng/ul	98
51) 3-Nitroaniline	14.581	138	8856m	2.977	ng/ul	
52) Acenaphthene	14.669	153	56808	4.344	ng/ul	98
53) 2,4-Dinitrophenol	14.792	184	7287m	4.000	ng/ul	
55) 4-Nitrophenol	14.886	109	9524	3.766	ng/ul#	71
56) Dibenzofuran	15.010	168	84127	4.484	ng/ul	99
57) 2,4-Dinitrotoluene	15.022	165	15206	3.339	ng/ul#	98
58) 2,3,4,6-Tetrachlorophenol	15.239	232	13601	3.326	ng/ul	93
59) Diethylphthalate	15.434	149	60274	3.770	ng/ul	97
61) Fluorene	15.669	166	64232	4.152	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.657	204	34375	4.179	ng/ul	91
63) 4-Nitroaniline	15.751	138	10637	3.598	ng/ul#	32
66) 4,6-Dinitro-2-methylph...	15.769	198	9743	3.020	ng/ul#	62
67) N-Nitrosodiphenylamine	15.892	169	51751	3.975	ng/ul	94
68) 4-Bromophenyl-phenylether	16.569	248	20369	3.877	ng/ul	95
69) Hexachlorobenzene	16.651	284	27263	4.360	ng/ul	99
70) Atrazine	16.851	200	16657	3.306	ng/ul	95
71) Pentachlorophenol	17.033	266	14290	3.773	ng/ul	97
72) Phenanthrene	17.439	178	107118	4.178	ng/ul	99
74) Anthracene	17.533	178	110005	4.242	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.381	216	28575	4.156	ng/uL	97
76) Pentachlorobenzene	14.898	250	31107	4.409	ng/uL	94
77) Carbazole	17.833	167	85741	3.651	ng/ul	99
78) Di-n-butylphthalate	18.339	149	85143	2.944	ng/ul	99
80) Fluoranthene	19.427	202	127596	3.695	ng/ul#	96
82) Pyrene	19.786	202	144788	4.013	ng/ul	98
83) Butylbenzylphthalate	20.657	149	36129	2.574	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.474	252	38580m	3.000	ng/ul	
85) Benzo(a)anthracene	21.527	228	148790	3.865	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.404	149	47484	2.237	ng/ul	100
87) Chrysene	21.580	228	152186	4.284	ng/ul	99
89) Di-n-octyl phthalate	22.392	149	86955	2.268	ng/ul	100
90) Benzo(b)fluoranthene	23.315	252	152774	3.820	ng/ul	99
91) Benzo(k)fluoranthene	23.368	252	152996	3.845	ng/ul	98
93) Benzo(a)pyrene	23.998	252	146676	3.939	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	26.851	276	181368	3.971	ng/ul	99
95) Dibenzo(a,h)anthracene	26.880	278	156768	4.096	ng/ul	97
96) Benzo(g,h,i)perylene	27.703	276	152185	4.190	ng/ul	97

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

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