Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102323\
Data File : BP017748.D
Acq On : 23 Oct 2023 10:50
Operator : MA/JU
Sample : 04696-02
Misc : SFAM-MDL-WATER-02
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 23 12:13:20 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP101823.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 19 01:32:15 2023
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
MDL-WATER-QT4-2023-08

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/24/2023
Supervised By :mohammad ahmed 10/25/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.887	152	107822	20.000	ng/ul	0.00
20) Naphthalene-d8	10.716	136	419418	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.581	164	264504	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.375	188	566929	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.516	240	489356	20.000	ng/ul	0.00
88) Perylene-d12	24.069	264	493555	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	17387	5.999	ng/uL	0.00
4) Pyridine-d5	3.693	84	197930	26.083	ng/ul	0.00
7) Phenol-d5	7.046	99	216069	24.082	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.228	67	144564	26.089	ng/ul	0.00
11) 2-Chlorophenol-d4	7.405	132	177543	24.261	ng/ul	0.00
15) 4-Methylphenol-d8	8.605	113	161196	22.878	ng/ul	0.00
21) Nitrobenzene-d5	9.093	128	80932	23.813	ng/ul	0.00
24) 2-Nitrophenol-d4	9.811	143	86276	22.976	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.340	165	159716	21.683	ng/ul	0.00
31) 4-Chloroaniline-d4	10.893	131	202197	20.975	ng/ul	0.00
46) Dimethylphthalate-d6	13.999	166	515715	23.226	ng/ul	0.00
49) Acenaphthylene-d8	14.281	160	578683	23.369	ng/ul	0.00
54) 4-Nitrophenol-d4	14.834	143	51647	16.324	ng/ul	0.00
60) Fluorene-d10	15.587	176	451637	23.530	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.734	200	66460	17.797	ng/ul	0.00
73) Anthracene-d10	17.475	188	656739	22.668	ng/ul	0.00
81) Pyrene-d10	19.734	212	782402	25.502	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.898	264	693838	25.240	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.293	88	3331	1.084	ng/uL#	87
5) Pyridine	3.717	79	31515	4.054	ng/ul#	65
6) Benzaldehyde	7.052	77	25712	5.327	ng/ul	86
8) Phenol	7.075	94	43422	4.908	ng/ul	97
10) Bis(2-Chloroethyl)ether	7.328	93	35794	4.850	ng/ul	95
12) 2-Chlorophenol	7.440	128	33474	4.554	ng/ul	97
13) 2-Methylphenol	8.346	108	27697	4.148	ng/ul	98
14) 2,2'-oxybis(1-Chloropr...	8.405	45	48658m	5.356	ng/ul	
16) Acetophenone	8.746	105	50699	4.577	ng/ul	92
17) N-Nitroso-di-n-propyla...	8.711	70	26871	5.114	ng/ul	95
18) 4-Methylphenol	8.675	108	32303	4.556	ng/ul	100
19) Hexachloroethane	8.946	117	14957	4.429	ng/ul#	80
22) Nitrobenzene	9.140	77	43518	5.143	ng/ul	97
23) Isophorone	9.652	82	71335	4.714	ng/ul	98
25) 2-Nitrophenol	9.846	139	17955	4.480	ng/ul	99
26) 2,4-Dimethylphenol	9.887	107	29447	3.743	ng/ul	96
27) Bis(2-Chloroethoxy)met...	10.140	93	46963	5.018	ng/ul	100
29) 2,4-Dichlorophenol	10.369	162	31111	4.417	ng/ul#	93
30) Naphthalene	10.769	128	114925	4.761	ng/ul	98
32) 4-Chloroaniline	10.916	127	39866	4.319	ng/ul	95
33) Hexachlorobutadiene	10.993	225	22261	3.892	ng/ul	98
34) Caprolactam	11.763	113	11220	6.186	ng/ul	93
35) 4-Chloro-3-methylphenol	12.040	107	26675	4.023	ng/ul	90
36) 2-Methylnaphthalene	12.387	142	74552	4.573	ng/ul	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.610	142	62050	3.721	ng/ul#	97
39) 1,2,4,5-Tetrachloroben...	12.746	216	41017	4.191	ng/ul	96
40) Hexachlorocyclopentadiene	12.681	237	30113	5.355	ng/ul#	96
41) 2,4,6-Trichlorophenol	13.010	196	21896	3.728	ng/ul	99
42) 2,4,5-Trichlorophenol	13.087	196	22463	3.699	ng/ul	99
43) 1,1'-Biphenyl	13.410	154	99788	4.579	ng/ul	99
44) 2-Chloronaphthalene	13.457	162	77458	4.397	ng/ul	99
45) 2-Nitroaniline	13.710	65	15427	3.854	ng/ul	99
47) Dimethylphthalate	14.046	163	104275	4.765	ng/ul	99
48) 2,6-Dinitrotoluene	14.204	165	14966	3.716	ng/ul#	83
50) Acenaphthylene	14.310	152	132879	4.791	ng/ul	98
51) 3-Nitroaniline	14.557	138	12782m	3.337	ng/ul	
52) Acenaphthene	14.646	153	89412	4.768	ng/ul	96
53) 2,4-Dinitrophenol	14.763	184	12283	5.432	ng/ul#	78
55) 4-Nitrophenol	14.846	109	13307m	3.973	ng/ul	
56) Dibenzofuran	14.993	168	126131	4.791	ng/ul	95
57) 2,4-Dinitrotoluene	14.993	165	24979	4.202	ng/ul#	80
58) 2,3,4,6-Tetrachlorophenol	15.216	232	20701	3.841	ng/ul#	92
59) Diethylphthalate	15.410	149	98265	4.651	ng/ul	99
61) Fluorene	15.646	166	103280	4.776	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.640	204	50951	4.433	ng/ul	96
63) 4-Nitroaniline	15.734	138	13079	3.785	ng/ul#	1
66) 4,6-Dinitro-2-methylph...	15.751	198	15691	3.923	ng/ul#	80
67) N-Nitrosodiphenylamine	15.869	169	81030	4.718	ng/ul	99
68) 4-Bromophenyl-phenylether	16.545	248	27145m	4.092	ng/ul	
69) Hexachlorobenzene	16.628	284	29273	3.844	ng/ul#	86
70) Atrazine	16.834	200	19015	3.012	ng/ul	98
71) Pentachlorophenol	17.004	266	24082	5.260	ng/ul	98
72) Phenanthrene	17.416	178	162511	4.893	ng/ul	100
74) Anthracene	17.510	178	155127	4.612	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.363	216	30447	3.201	ng/uL	97
76) Pentachlorobenzene	14.875	250	32219	3.495	ng/uL	98
77) Carbazole	17.810	167	116776	4.108	ng/ul	98
78) Di-n-butylphthalate	18.316	149	141663	4.292	ng/ul#	98
80) Fluoranthene	19.404	202	175203	4.970	ng/ul#	96
82) Pyrene	19.763	202	196525	5.262	ng/ul	97
83) Butylbenzylphthalate	20.633	149	54204	4.220	ng/ul	93
84) 3,3'-Dichlorobenzidine	21.451	252	38982	3.526	ng/ul	94
85) Benzo(a)anthracene	21.498	228	169980	4.569	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.381	149	69891m	3.898	ng/ul	
87) Chrysene	21.557	228	162998	4.633	ng/ul	99
89) Di-n-octyl phthalate	22.357	149	117497	3.758	ng/ul	100
90) Benzo(b)fluoranthene	23.275	252	160921	4.791	ng/ul#	97
91) Benzo(k)fluoranthene	23.327	252	159036	4.672	ng/ul#	97
93) Benzo(a)pyrene	23.957	252	146517	4.646	ng/ul#	95
94) Indeno(1,2,3-cd)pyrene	26.780	276	175017	4.657	ng/ul#	94
95) Dibenzo(a,h)anthracene	26.816	278	138595	4.420	ng/ul#	94
96) Benzo(g,h,i)perylene	27.639	276	141230	4.664	ng/ul	96

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

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