Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101623\
Data File : BP017679.D
Acq On : 16 Oct 2023 13:23
Operator : MA/JU
Sample : 03573-01
Misc : SFAM-MDL-WATER-01
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MDL-WATER-QT3-2023-05

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

Quant Time: Oct 16 16:38:55 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.910	152	72444	20.000	ng/ul	0.00
20) Naphthalene-d8	10.751	136	282938	20.000	ng/ul	0.01
38) Acenaphthene-d10	14.616	164	175627	20.000	ng/ul	0.01
64) Phenanthrene-d10	17.410	188	406168	20.000	ng/ul	0.01
79) Chrysene-d12	21.551	240	445050	20.000	ng/ul	0.00
88) Perylene-d12	24.133	264	508841	20.000	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.264	96	13109	6.672	ng/uL	0.00
4) Pyridine-d5	3.705	84	154695	28.480	ng/ul	0.00
7) Phenol-d5	7.069	99	174317	25.846	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.258	67	112607	27.531	ng/ul	0.00
11) 2-Chlorophenol-d4	7.428	132	142013	27.202	ng/ul	0.00
15) 4-Methylphenol-d8	8.634	113	134897	25.041	ng/ul	0.00
21) Nitrobenzene-d5	9.122	128	65797	27.686	ng/ul	0.00
24) 2-Nitrophenol-d4	9.840	143	69217	25.899	ng/ul	0.01
28) 2,4-Dichlorophenol-d3	10.369	165	130528	25.986	ng/ul	0.01
31) 4-Chloroaniline-d4	10.922	131	184892	25.680	ng/ul	0.01
46) Dimethylphthalate-d6	14.034	166	425694	27.986	ng/ul	0.01
49) Acenaphthylene-d8	14.310	160	455968	27.838	ng/ul	0.00
54) 4-Nitrophenol-d4	14.875	143	59834	23.521	ng/ul	0.02
60) Fluorene-d10	15.622	176	375168	28.996	ng/ul	0.01
65) 4,6-Dinitro-2-methylph...	15.769	200	53989	18.806	ng/ul	0.01
73) Anthracene-d10	17.510	188	602427	28.731	ng/ul	0.01
81) Pyrene-d10	19.769	212	755990	28.223	ng/ul	0.01
92) Benzo(a)pyrene-d12	23.957	264	847020	29.652	ng/ul	0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.299	88	2757	1.323	ng/uL#	84
5) Pyridine	3.728	79	23480	4.209	ng/ul#	53
6) Benzaldehyde	7.081	77	20221	5.919	ng/ul	96
8) Phenol	7.099	94	28105	4.199	ng/ul#	84
10) Bis(2-Chloroethyl)ether	7.352	93	23545	4.384	ng/ul	99
12) 2-Chlorophenol	7.463	128	23373	4.481	ng/ul	95
13) 2-Methylphenol	8.369	108	17511	3.514	ng/ul	98
14) 2,2'-oxybis(1-Chloropr...	8.428	45	30308m	4.373	ng/ul	
16) Acetophenone	8.775	105	34731	4.143	ng/ul	94
17) N-Nitroso-di-n-propyla...	8.734	70	16798	3.960	ng/ul	94
18) 4-Methylphenol	8.705	108	22542	4.162	ng/ul	93
19) Hexachloroethane	8.975	117	11256	4.831	ng/ul	98
22) Nitrobenzene	9.169	77	28696	4.701	ng/ul	98
23) Isophorone	9.681	82	42207	3.835	ng/ul	95
25) 2-Nitrophenol	9.869	139	11983	4.215	ng/ul	95
26) 2,4-Dimethylphenol	9.922	107	23676	4.191	ng/ul	92
27) Bis(2-Chloroethoxy)met...	10.175	93	28573	4.249	ng/ul	98
29) 2,4-Dichlorophenol	10.399	162	19949	4.116	ng/ul	88
30) Naphthalene	10.804	128	75814	4.609	ng/ul	99
32) 4-Chloroaniline	10.951	127	29301	4.256	ng/ul	96
33) Hexachlorobutadiene	11.022	225	18446	4.922	ng/ul	98
34) Caprolactam	11.781	113	9151m	6.173	ng/ul	
35) 4-Chloro-3-methylphenol	12.075	107	16912	3.307	ng/ul#	90
36) 2-Methylnaphthalene	12.422	142	48899	4.341	ng/ul	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.640	142	51131m	4.472	ng/ul	
39) 1,2,4,5-Tetrachloroben...	12.775	216	30827	4.811	ng/ul	94
40) Hexachlorocyclopentadiene	12.716	237	11532	4.006	ng/ul	96
41) 2,4,6-Trichlorophenol	13.045	196	13657	3.461	ng/ul	94
42) 2,4,5-Trichlorophenol	13.128	196	14539m	3.490	ng/ul	
43) 1,1'-Biphenyl	13.440	154	68917	4.788	ng/ul	98
44) 2-Chloronaphthalene	13.487	162	51229	4.449	ng/ul	99
45) 2-Nitroaniline	13.745	65	10529	3.308	ng/ul	85
47) Dimethylphthalate	14.075	163	67294	4.480	ng/ul	97
48) 2,6-Dinitrotoluene	14.234	165	9408	3.384	ng/ul#	76
50) Acenaphthylene	14.340	152	84911	4.583	ng/ul	99
51) 3-Nitroaniline	14.587	138	8115	2.894	ng/ul	84
52) Acenaphthene	14.681	153	57348	4.653	ng/ul	98
53) 2,4-Dinitrophenol	14.798	184	9856	5.741	ng/ul	96
55) 4-Nitrophenol	14.892	109	10734m	4.504	ng/ul	
56) Dibenzofuran	15.022	168	85579	4.840	ng/ul	99
57) 2,4-Dinitrotoluene	15.028	165	15202m	3.542	ng/ul	
58) 2,3,4,6-Tetrachlorophenol	15.245	232	13801	3.582	ng/ul#	87
59) Diethylphthalate	15.439	149	62596	4.154	ng/ul	96
61) Fluorene	15.675	166	67363	4.621	ng/ul	93
62) 4-Chlorophenyl-phenyle...	15.669	204	37675	4.861	ng/ul	92
63) 4-Nitroaniline	15.757	138	9219	3.309	ng/ul#	42
66) 4,6-Dinitro-2-methylph...	15.781	198	10214	3.397	ng/ul#	75
67) N-Nitrosodiphenylamine	15.898	169	53296	4.391	ng/ul	99
68) 4-Bromophenyl-phenylether	16.581	248	21169	4.322	ng/ul	95
69) Hexachlorobenzene	16.657	284	27382	4.698	ng/ul	97
70) Atrazine	16.863	200	16761	3.569	ng/ul	91
71) Pentachlorophenol	17.039	266	14282	4.046	ng/ul	95
72) Phenanthrene	17.451	178	110307	4.616	ng/ul	98
74) Anthracene	17.545	178	112690	4.662	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.393	216	30185	4.710	ng/uL	96
76) Pentachlorobenzene	14.910	250	33773	5.135	ng/uL	96
77) Carbazole	17.845	167	83427	3.811	ng/ul	99
78) Di-n-butylphthalate	18.351	149	87522	3.247	ng/ul	99
80) Fluoranthene	19.439	202	128983	4.214	ng/ul	99
82) Pyrene	19.798	202	146031	4.566	ng/ul	99
83) Butylbenzylphthalate	20.669	149	35956	2.890	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.486	252	50136	4.398	ng/ul	94
85) Benzo(a)anthracene	21.533	228	144934	4.247	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.416	149	46208	2.456	ng/ul	99
87) Chrysene	21.592	228	149246	4.739	ng/ul	99
89) Di-n-octyl phthalate	22.404	149	82908	2.495	ng/ul	100
90) Benzo(b)fluoranthene	23.327	252	153591	4.433	ng/ul	97
91) Benzo(k)fluoranthene	23.386	252	153272m	4.446	ng/ul	
93) Benzo(a)pyrene	24.010	252	132684	4.112	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.874	276	174966	4.422	ng/ul	97
95) Dibenzo(a,h)anthracene	26.909	278	147475	4.447	ng/ul	96
96) Benzo(g,h,i)perylene	27.733	276	146552	4.658	ng/ul	99

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

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