Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101323\
Data File : BM042283.D
Acq On : 13 Oct 2023 12:43
Operator : MA/JU
Sample : 02215-01
Misc : SFAM-MDL-WATER-01
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-WATER-QT2-2023-03

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023

Quant Time: Oct 14 02:07:59 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM101223.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 12 15:38:21 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.010	152	142744	20.000	ng/ul	0.00
20) Naphthalene-d8	10.833	136	639822	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.657	164	409624	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.409	188	894874	20.000	ng/ul	0.00
79) Chrysene-d12	21.591	240	838219	20.000	ng/ul	0.00
88) Perylene-d12	24.068	264	894769	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.369	96	23963	5.245	ng/uL	0.00
4) Pyridine-d5	3.798	84	311241	23.003	ng/ul	0.00
7) Phenol-d5	7.157	99	341960	21.616	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.345	67	236540	22.129	ng/ul	0.00
11) 2-Chlorophenol-d4	7.528	132	246600	22.660	ng/ul	0.00
15) 4-Methylphenol-d8	8.716	113	267435	21.346	ng/ul	0.00
21) Nitrobenzene-d5	9.210	128	128828	23.708	ng/ul	0.00
24) 2-Nitrophenol-d4	9.922	143	140559	24.198	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.445	165	240710	22.707	ng/ul	0.00
31) 4-Chloroaniline-d4	10.992	131	373622	22.385	ng/ul	0.00
46) Dimethylphthalate-d6	14.068	166	830668	23.393	ng/ul	0.00
49) Acenaphthylene-d8	14.357	160	914260	23.525	ng/ul	0.00
54) 4-Nitrophenol-d4	14.868	143	150536	21.077	ng/ul	0.00
60) Fluorene-d10	15.645	176	697687	23.902	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.774	200	114728	18.302	ng/ul	0.00
73) Anthracene-d10	17.509	188	1082389	23.612	ng/ul	0.00
81) Pyrene-d10	19.797	212	1234250	24.160	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.909	264	1190906	24.248	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.404	88	5002m	0.999	ng/uL	
5) Pyridine	3.822	79	48363	3.453	ng/ul#	66
6) Benzaldehyde	7.169	77	40656	5.027	ng/ul	97
8) Phenol	7.186	94	54141	3.389	ng/ul	99
10) Bis(2-Chloroethyl)ether	7.445	93	48586	3.662	ng/ul	97
12) 2-Chlorophenol	7.563	128	40998	3.607	ng/ul	95
13) 2-Methylphenol	8.451	108	36741	3.081	ng/ul	100
14) 2,2'-oxybis(1-Chloropr...	8.522	45	81565	3.606	ng/ul	99
16) Acetophenone	8.857	105	69043	3.550	ng/ul	96
17) N-Nitroso-di-n-propyla...	8.822	70	37760	3.280	ng/ul	99
18) 4-Methylphenol	8.781	108	43596	3.318	ng/ul	97
19) Hexachloroethane	9.075	117	17637	3.678	ng/ul	95
22) Nitrobenzene	9.251	77	56803	3.696	ng/ul	97
23) Isophorone	9.763	82	98806	3.316	ng/ul	99
25) 2-Nitrophenol	9.951	139	23429	3.686	ng/ul	96
26) 2,4-Dimethylphenol	9.992	107	47178	3.492	ng/ul	96
27) Bis(2-Chloroethoxy)met...	10.245	93	68428	3.672	ng/ul	98
29) 2,4-Dichlorophenol	10.469	162	38363	3.705	ng/ul	93
30) Naphthalene	10.886	128	143409	3.824	ng/ul	99
32) 4-Chloroaniline	11.016	127	59754	3.704	ng/ul	96
33) Hexachlorobutadiene	11.116	225	23474	3.928	ng/ul	96
34) Caprolactam	11.857	113	10823m	2.863	ng/ul	
35) 4-Chloro-3-methylphenol	12.116	107	40152	3.149	ng/ul	96
36) 2-Methylnaphthalene	12.486	142	97579	3.801	ng/ul	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.704	142	100898	3.889	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.833	216	47328	3.669	ng/ul	99
40) Hexachlorocyclopentadiene	12.786	237	21915	2.625	ng/ul	93
41) 2,4,6-Trichlorophenol	13.092	196	27149	3.148	ng/ul	95
42) 2,4,5-Trichlorophenol	13.157	196	30226	3.265	ng/ul	96
43) 1,1'-Biphenyl	13.492	154	132788	3.782	ng/ul	98
44) 2-Chloronaphthalene	13.539	162	101105	3.757	ng/ul	99
45) 2-Nitroaniline	13.774	65	26821	2.772	ng/ul	98
47) Dimethylphthalate	14.115	163	132511	3.750	ng/ul	100
48) 2,6-Dinitrotoluene	14.262	165	18597	2.907	ng/ul	97
50) Acenaphthylene	14.386	152	170977	3.809	ng/ul	99
51) 3-Nitroaniline	14.598	138	21291	2.824	ng/ul	98
52) Acenaphthene	14.721	153	112997	3.748	ng/ul	100
53) 2,4-Dinitrophenol	14.804	184	7139	1.649	ng/ul	95
55) 4-Nitrophenol	14.880	109	19204	3.315	ng/ul	85
56) Dibenzofuran	15.057	168	157148	3.880	ng/ul	100
57) 2,4-Dinitrotoluene	15.039	165	29877	3.168	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	15.268	232	25440	3.274	ng/ul	92
59) Diethylphthalate	15.462	149	130696	3.624	ng/ul	99
61) Fluorene	15.704	166	130128	3.874	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.692	204	61618	3.799	ng/ul	100
63) 4-Nitroaniline	15.762	138	23146	3.432	ng/ul#	61
66) 4,6-Dinitro-2-methylph...	15.786	198	21776	3.322	ng/ul#	81
67) N-Nitrosodiphenylamine	15.915	169	103343	3.630	ng/ul	97
68) 4-Bromophenyl-phenylether	16.592	248	34874	3.623	ng/ul	96
69) Hexachlorobenzene	16.674	284	41816	3.821	ng/ul	95
70) Atrazine	16.862	200	31315	3.206	ng/ul	97
71) Pentachlorophenol	17.039	266	18660	2.516	ng/ul	94
72) Phenanthrene	17.451	178	206670	3.765	ng/ul	99
74) Anthracene	17.545	178	208758	3.781	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.451	216	45820	3.456	ng/uL	97
76) Pentachlorobenzene	14.951	250	51618	3.965	ng/uL	96
77) Carbazole	17.827	167	175507	3.490	ng/ul	98
78) Di-n-butylphthalate	18.350	149	201542	3.166	ng/ul	99
80) Fluoranthene	19.462	202	221285	3.658	ng/ul	99
82) Pyrene	19.827	202	246151	3.870	ng/ul	97
83) Butylbenzylphthalate	20.709	149	80680	2.976	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.515	252	54506	2.722	ng/ul	99
85) Benzo(a)anthracene	21.574	228	224944	3.538	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.456	149	122874	3.067	ng/ul	100
87) Chrysene	21.627	228	216807	3.708	ng/ul	100
89) Di-n-octyl phthalate	22.403	149	200818	2.779	ng/ul	100
90) Benzo(b)fluoranthene	23.297	252	208531	3.430	ng/ul	99
91) Benzo(k)fluoranthene	23.350	252	219187	3.645	ng/ul	99
93) Benzo(a)pyrene	23.956	252	202479	3.559	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.656	276	219431	3.175	ng/ul	98
95) Dibenzo(a,h)anthracene	26.679	278	180830	3.155	ng/ul	99
96) Benzo(g,h,i)perylene	27.468	276	174476	3.228	ng/ul	97

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

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