Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101623\
Data File : BM042297.D
Acq On : 16 Oct 2023 14:04
Operator : MA/JU
Sample : 03573-01
Misc : SFAM-MDL-WATER-01
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 16 16:30:26 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

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

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	8.016	152	118848	20.000	ng/ul	0.00
20) Naphthalene-d8	10.839	136	544002	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.657	164	333151	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.410	188	694217	20.000	ng/ul	0.00
79) Chrysene-d12	21.592	240	643680	20.000	ng/ul	0.00
88) Perylene-d12	24.068	264	696904	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.369	96	27105	7.126	ng/uL	0.00
4) Pyridine-d5	3.805	84	347552	30.852	ng/ul	0.00
7) Phenol-d5	7.163	99	377222	28.640	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.357	67	265886	29.876	ng/ul	0.00
11) 2-Chlorophenol-d4	7.534	132	258210	28.498	ng/ul	0.00
15) 4-Methylphenol-d8	8.722	113	285701	27.390	ng/ul	0.00
21) Nitrobenzene-d5	9.216	128	133369	28.867	ng/ul	0.00
24) 2-Nitrophenol-d4	9.928	143	139734	28.293	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.451	165	242289	26.882	ng/ul	0.00
31) 4-Chloroaniline-d4	10.998	131	386085	27.206	ng/ul	0.00
46) Dimethylphthalate-d6	14.075	166	805823	27.903	ng/ul	0.00
49) Acenaphthylene-d8	14.357	160	928271	29.368	ng/ul	0.00
54) 4-Nitrophenol-d4	14.869	143	152891	26.321	ng/ul	0.00
60) Fluorene-d10	15.651	176	690738	29.095	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.774	200	109823	22.583	ng/ul	0.00
73) Anthracene-d10	17.510	188	1040891	29.270	ng/ul	0.00
81) Pyrene-d10	19.804	212	1190496	30.346	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.909	264	1172978	30.664	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.410	88	5580	1.338	ng/uL	97
5) Pyridine	3.828	79	55387	4.749	ng/ul#	70
6) Benzaldehyde	7.175	77	46231	6.866	ng/ul	98
8) Phenol	7.193	94	60467	4.546	ng/ul	100
10) Bis(2-Chloroethyl)ether	7.451	93	52865	4.786	ng/ul	99
12) 2-Chlorophenol	7.569	128	43952	4.644	ng/ul	96
13) 2-Methylphenol	8.457	108	39764	4.005	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.528	45	90642m	4.813	ng/ul	
16) Acetophenone	8.863	105	75991	4.693	ng/ul	98
17) N-Nitroso-di-n-propyla...	8.834	70	42656	4.451	ng/ul	98
18) 4-Methylphenol	8.787	108	45581	4.166	ng/ul	98
19) Hexachloroethane	9.081	117	18564	4.649	ng/ul	90
22) Nitrobenzene	9.257	77	62345	4.771	ng/ul	95
23) Isophorone	9.763	82	107407	4.239	ng/ul	98
25) 2-Nitrophenol	9.957	139	23990	4.439	ng/ul	97
26) 2,4-Dimethylphenol	9.992	107	48718	4.242	ng/ul	97
27) Bis(2-Chloroethoxy)met...	10.251	93	74423	4.697	ng/ul	99
29) 2,4-Dichlorophenol	10.475	162	38685	4.395	ng/ul	94
30) Naphthalene	10.892	128	148134	4.645	ng/ul	100
32) 4-Chloroaniline	11.022	127	61859	4.510	ng/ul	99
33) Hexachlorobutadiene	11.116	225	22975	4.521	ng/ul	96
34) Caprolactam	11.851	113	19859	6.179	ng/ul	96
35) 4-Chloro-3-methylphenol	12.116	107	42639	3.933	ng/ul	98
36) 2-Methylnaphthalene	12.492	142	98138	4.496	ng/ul	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.710	142	102498	4.646	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.839	216	46630	4.445	ng/ul	94
40) Hexachlorocyclopentadiene	12.786	237	37748	5.560	ng/ul	99
41) 2,4,6-Trichlorophenol	13.092	196	26737	3.812	ng/ul	97
42) 2,4,5-Trichlorophenol	13.163	196	29800	3.958	ng/ul	97
43) 1,1'-Biphenyl	13.498	154	130750	4.579	ng/ul	98
44) 2-Chloronaphthalene	13.545	162	100445	4.589	ng/ul	97
45) 2-Nitroaniline	13.780	65	29480	3.747	ng/ul	97
47) Dimethylphthalate	14.116	163	130470	4.540	ng/ul	99
48) 2,6-Dinitrotoluene	14.263	165	18775	3.609	ng/ul	95
50) Acenaphthylene	14.386	152	169142	4.634	ng/ul	99
51) 3-Nitroaniline	14.604	138	21257	3.466	ng/ul	96
52) Acenaphthene	14.722	153	113233	4.618	ng/ul	100
53) 2,4-Dinitrophenol	14.804	184	24923	7.078	ng/ul	95
55) 4-Nitrophenol	14.880	109	20145	4.275	ng/ul	89
56) Dibenzofuran	15.057	168	153428	4.657	ng/ul	98
57) 2,4-Dinitrotoluene	15.045	165	29010	3.782	ng/ul#	88
58) 2,3,4,6-Tetrachlorophenol	15.274	232	23979	3.795	ng/ul	96
59) Diethylphthalate	15.469	149	126633	4.317	ng/ul	99
61) Fluorene	15.704	166	125912	4.608	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.692	204	58155	4.408	ng/ul	95
63) 4-Nitroaniline	15.763	138	24192	4.411	ng/ul#	70
66) 4,6-Dinitro-2-methylph...	15.786	198	19942	3.921	ng/ul#	64
67) N-Nitrosodiphenylamine	15.916	169	98922	4.479	ng/ul	99
68) 4-Bromophenyl-phenylether	16.592	248	30862	4.133	ng/ul	99
69) Hexachlorobenzene	16.674	284	37357	4.400	ng/ul	97
70) Atrazine	16.863	200	29620	3.909	ng/ul	99
71) Pentachlorophenol	17.039	266	32573	5.662	ng/ul	98
72) Phenanthrene	17.451	178	194867	4.576	ng/ul	99
74) Anthracene	17.545	178	197771	4.617	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.451	216	45177	4.392	ng/uL	98
76) Pentachlorobenzene	14.951	250	48159	4.768	ng/uL	95
77) Carbazole	17.827	167	168965	4.331	ng/ul	100
78) Di-n-butylphthalate	18.351	149	199510	4.040	ng/ul	99
80) Fluoranthene	19.462	202	203527	4.381	ng/ul	97
82) Pyrene	19.827	202	231592	4.742	ng/ul#	94
83) Butylbenzylphthalate	20.709	149	77684	3.731	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.515	252	59316	3.858	ng/ul	96
85) Benzo(a)anthracene	21.574	228	209757	4.296	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.456	149	116054	3.773	ng/ul	100
87) Chrysene	21.627	228	201380	4.485	ng/ul	99
89) Di-n-octyl phthalate	22.403	149	200675	3.565	ng/ul	100
90) Benzo(b)fluoranthene	23.297	252	196172m	4.143	ng/ul	
91) Benzo(k)fluoranthene	23.350	252	202652	4.327	ng/ul	98
93) Benzo(a)pyrene	23.956	252	192755	4.350	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.662	276	217776	4.046	ng/ul	96
95) Dibenzo(a,h)anthracene	26.680	278	180274	4.038	ng/ul	97
96) Benzo(g,h,i)perylene	27.474	276	167697	3.983	ng/ul	96

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

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