Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101623\
Data File : BM042292.D
Acq On : 16 Oct 2023 10:49
Operator : MA/JU
Sample : 02215-02
Misc : SFAM-MDL-WATER-02
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 16 11:30:27 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-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	8.016	152	117368	20.000	ng/ul	0.00
20) Naphthalene-d8	10.839	136	532431	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.657	164	324623	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.409	188	694264	20.000	ng/ul	0.00
79) Chrysene-d12	21.592	240	649667	20.000	ng/ul	0.00
88) Perylene-d12	24.068	264	697910	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.369	96	26109	6.951	ng/uL	0.00
4) Pyridine-d5	3.804	84	333181	29.949	ng/ul	0.00
7) Phenol-d5	7.163	99	368034	28.294	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.351	67	258282	29.387	ng/ul	0.00
11) 2-Chlorophenol-d4	7.534	132	255792	28.587	ng/ul	0.00
15) 4-Methylphenol-d8	8.722	113	278774	27.062	ng/ul	0.00
21) Nitrobenzene-d5	9.210	128	132333	29.265	ng/ul	0.00
24) 2-Nitrophenol-d4	9.928	143	139148	28.787	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.451	165	242304	27.468	ng/ul	0.00
31) 4-Chloroaniline-d4	10.998	131	377183	27.157	ng/ul	0.00
46) Dimethylphthalate-d6	14.068	166	797356	28.335	ng/ul	0.00
49) Acenaphthylene-d8	14.357	160	903703	29.342	ng/ul	0.00
54) 4-Nitrophenol-d4	14.868	143	151282	26.728	ng/ul	0.00
60) Fluorene-d10	15.651	176	679263	29.364	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.774	200	113623	23.363	ng/ul	0.00
73) Anthracene-d10	17.509	188	1025895	28.846	ng/ul	0.00
81) Pyrene-d10	19.798	212	1188251	30.010	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.909	264	1176069	30.701	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.404	88	5239	1.272	ng/uL	88
5) Pyridine	3.828	79	51970	4.512	ng/ul#	75
6) Benzaldehyde	7.175	77	42687	6.420	ng/ul	98
8) Phenol	7.187	94	58169	4.428	ng/ul	99
10) Bis(2-Chloroethyl)ether	7.451	93	52146	4.780	ng/ul	93
12) 2-Chlorophenol	7.569	128	42928	4.593	ng/ul	98
13) 2-Methylphenol	8.457	108	38675	3.945	ng/ul	96
14) 2,2'-oxybis(1-Chloropr...	8.528	45	89372m	4.805	ng/ul	
16) Acetophenone	8.863	105	72661	4.544	ng/ul	96
17) N-Nitroso-di-n-propyla...	8.828	70	40828	4.314	ng/ul	98
18) 4-Methylphenol	8.786	108	44842	4.150	ng/ul	98
19) Hexachloroethane	9.081	117	18112	4.593	ng/ul	95
22) Nitrobenzene	9.251	77	62861	4.915	ng/ul	99
23) Isophorone	9.763	82	105224	4.243	ng/ul	99
25) 2-Nitrophenol	9.957	139	23766	4.493	ng/ul	98
26) 2,4-Dimethylphenol	9.992	107	49303	4.386	ng/ul	97
27) Bis(2-Chloroethoxy)met...	10.251	93	72603	4.682	ng/ul	98
29) 2,4-Dichlorophenol	10.475	162	38591	4.479	ng/ul	96
30) Naphthalene	10.886	128	146612	4.698	ng/ul	100
32) 4-Chloroaniline	11.022	127	61970	4.616	ng/ul	98
33) Hexachlorobutadiene	11.116	225	23641	4.754	ng/ul	95
34) Caprolactam	11.845	113	19281	6.129	ng/ul	90
35) 4-Chloro-3-methylphenol	12.116	107	42830	4.036	ng/ul	97
36) 2-Methylnaphthalene	12.492	142	97868	4.581	ng/ul	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.710	142	100994	4.677	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.839	216	47037	4.602	ng/ul	99
40) Hexachlorocyclopentadiene	12.786	237	39701	6.001	ng/ul	100
41) 2,4,6-Trichlorophenol	13.092	196	26218	3.836	ng/ul	96
42) 2,4,5-Trichlorophenol	13.163	196	28856	3.933	ng/ul	99
43) 1,1'-Biphenyl	13.492	154	129019	4.637	ng/ul	98
44) 2-Chloronaphthalene	13.545	162	98423	4.615	ng/ul	98
45) 2-Nitroaniline	13.774	65	28619	3.733	ng/ul	94
47) Dimethylphthalate	14.116	163	129263	4.616	ng/ul	99
48) 2,6-Dinitrotoluene	14.263	165	17962	3.543	ng/ul	96
50) Acenaphthylene	14.386	152	168379	4.734	ng/ul	98
51) 3-Nitroaniline	14.598	138	20669	3.459	ng/ul	91
52) Acenaphthene	14.721	153	111227	4.655	ng/ul	100
53) 2,4-Dinitrophenol	14.804	184	24962	7.275	ng/ul	89
55) 4-Nitrophenol	14.880	109	19285	4.200	ng/ul	87
56) Dibenzofuran	15.057	168	150113	4.677	ng/ul	98
57) 2,4-Dinitrotoluene	15.045	165	29355	3.927	ng/ul#	94
58) 2,3,4,6-Tetrachlorophenol	15.274	232	24261	3.940	ng/ul	99
59) Diethylphthalate	15.463	149	127758	4.470	ng/ul	98
61) Fluorene	15.704	166	123235	4.629	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.692	204	58553	4.555	ng/ul	98
63) 4-Nitroaniline	15.762	138	24369	4.560	ng/ul#	69
66) 4,6-Dinitro-2-methylph...	15.786	198	20850	4.099	ng/ul#	67
67) N-Nitrosodiphenylamine	15.915	169	98871	4.476	ng/ul	97
68) 4-Bromophenyl-phenylether	16.592	248	30918	4.140	ng/ul	95
69) Hexachlorobenzene	16.674	284	36895	4.346	ng/ul	99
70) Atrazine	16.862	200	28744	3.793	ng/ul	97
71) Pentachlorophenol	17.039	266	32365	5.626	ng/ul	96
72) Phenanthrene	17.451	178	193190	4.536	ng/ul	99
74) Anthracene	17.545	178	192989	4.505	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.451	216	44685	4.344	ng/uL	97
76) Pentachlorobenzene	14.951	250	47835	4.736	ng/uL	97
77) Carbazole	17.827	167	167355	4.289	ng/ul	100
78) Di-n-butylphthalate	18.351	149	193331	3.914	ng/ul	99
80) Fluoranthene	19.462	202	202167	4.312	ng/ul	96
82) Pyrene	19.827	202	228830	4.642	ng/ul#	93
83) Butylbenzylphthalate	20.709	149	77952	3.710	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.515	252	53679	3.459	ng/ul	96
85) Benzo(a)anthracene	21.574	228	211125	4.284	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.456	149	117924	3.798	ng/ul	99
87) Chrysene	21.627	228	203497	4.490	ng/ul	100
89) Di-n-octyl phthalate	22.403	149	196573	3.487	ng/ul	100
90) Benzo(b)fluoranthene	23.297	252	204368m	4.309	ng/ul	
91) Benzo(k)fluoranthene	23.350	252	197998	4.221	ng/ul	99
93) Benzo(a)pyrene	23.956	252	191624	4.318	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.662	276	216256	4.012	ng/ul	96
95) Dibenzo(a,h)anthracene	26.679	278	178156	3.985	ng/ul	98
96) Benzo(g,h,i)perylene	27.474	276	171733	4.073	ng/ul	99

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

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