Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102023\
Data File : BP017741.D
Acq On : 20 Oct 2023 13:48
Operator : MA/JU
Sample : 04696-01
Misc : SFAM-MDL-WATER-01
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MDL-WATER-QT4-2023-07

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/23/2023
Supervised By :mohammad ahmed 10/23/2023

Quant Time: Oct 20 22:47:05 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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.899	152	85085	20.000	ng/ul		0.01
20) Naphthalene-d8	10.728	136	330886	20.000	ng/ul		0.00
38) Acenaphthene-d10	14.599	164	200913	20.000	ng/ul		0.01
64) Phenanthrene-d10	17.387	188	414460	20.000	ng/ul	#	0.01
79) Chrysene-d12	21.533	240	355275	20.000	ng/ul		0.02
88) Perylene-d12	24.098	264	361767	20.000	ng/ul		0.03
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.264	96	14551	6.362	ng/uL		0.00
4) Pyridine-d5	3.693	84	160871	26.865	ng/ul		0.00
7) Phenol-d5	7.058	99	175102	24.731	ng/ul		0.01
9) Bis-(2-Chloroethyl)eth...	7.240	67	117016	26.761	ng/ul		0.00
11) 2-Chlorophenol-d4	7.417	132	142468	24.670	ng/ul		0.00
15) 4-Methylphenol-d8	8.616	113	126147	22.688	ng/ul		0.00
21) Nitrobenzene-d5	9.105	128	62758	23.407	ng/ul		0.00
24) 2-Nitrophenol-d4	9.822	143	66469	22.437	ng/ul		0.01
28) 2,4-Dichlorophenol-d3	10.352	165	124128	21.360	ng/ul		0.01
31) 4-Chloroaniline-d4	10.905	131	155479	20.444	ng/ul		0.01
46) Dimethylphthalate-d6	14.010	166	376462	22.321	ng/ul		0.00
49) Acenaphthylene-d8	14.293	160	428034	22.757	ng/ul		0.01
54) 4-Nitrophenol-d4	14.851	143	32369m	13.469	ng/ul		0.02
60) Fluorene-d10	15.598	176	334673	22.955	ng/ul		0.00
65) 4,6-Dinitro-2-methylph...	15.746	200	43551	15.953	ng/ul		0.01
73) Anthracene-d10	17.487	188	479221	22.626	ng/ul		0.01
81) Pyrene-d10	19.745	212	561140	25.193	ng/ul		0.01
92) Benzo(a)pyrene-d12	23.922	264	503187	24.973	ng/ul		0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.305	88	2878	1.186	ng/uL#		86
5) Pyridine	3.723	79	25972	4.233	ng/ul#		73
6) Benzaldehyde	7.064	77	19964	5.241	ng/ul		93
8) Phenol	7.087	94	33716	4.830	ng/ul		99
10) Bis(2-Chloroethyl)ether	7.334	93	29649	5.091	ng/ul		97
12) 2-Chlorophenol	7.452	128	27678	4.772	ng/ul		99
13) 2-Methylphenol	8.352	108	21733	4.125	ng/ul		99
14) 2,2'-oxybis(1-Chloropr...	8.411	45	35706m	4.981	ng/ul		
16) Acetophenone	8.758	105	41389	4.735	ng/ul		94
17) N-Nitroso-di-n-propyla...	8.716	70	20619	4.973	ng/ul#		96
18) 4-Methylphenol	8.687	108	25744	4.601	ng/ul		97
19) Hexachloroethane	8.958	117	12107	4.543	ng/ul#		79
22) Nitrobenzene	9.152	77	34029	5.097	ng/ul		94
23) Isophorone	9.658	82	54058	4.528	ng/ul		100
25) 2-Nitrophenol	9.858	139	13936	4.407	ng/ul		93
26) 2,4-Dimethylphenol	9.899	107	23767	3.829	ng/ul		99
27) Bis(2-Chloroethoxy)met...	10.152	93	36264	4.911	ng/ul		97
29) 2,4-Dichlorophenol	10.381	162	24782	4.460	ng/ul		92
30) Naphthalene	10.781	128	90509	4.753	ng/ul		97
32) 4-Chloroaniline	10.928	127	29954	4.113	ng/ul		100
33) Hexachlorobutadiene	11.005	225	17896	3.966	ng/ul		97
34) Caprolactam	11.775	113	8644m	6.041	ng/ul		
35) 4-Chloro-3-methylphenol	12.052	107	20476	3.914	ng/ul		99
36) 2-Methylnaphthalene	12.405	142	57012	4.432	ng/ul		100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.622	142	49088	3.732	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.757	216	30440	4.094	ng/ul#	93
40) Hexachlorocyclopentadiene	12.693	237	10807	2.530	ng/ul#	89
41) 2,4,6-Trichlorophenol	13.022	196	17060	3.824	ng/ul	93
42) 2,4,5-Trichlorophenol	13.099	196	16658	3.611	ng/ul	95
43) 1,1'-Biphenyl	13.422	154	75938	4.588	ng/ul	98
44) 2-Chloronaphthalene	13.469	162	59714	4.463	ng/ul	97
45) 2-Nitroaniline	13.728	65	11633	3.826	ng/ul	88
47) Dimethylphthalate	14.057	163	76496	4.602	ng/ul	98
48) 2,6-Dinitrotoluene	14.216	165	10723	3.505	ng/ul#	72
50) Acenaphthylene	14.322	152	100257	4.758	ng/ul	99
51) 3-Nitroaniline	14.569	138	8822m	3.032	ng/ul	
52) Acenaphthene	14.663	153	67665	4.751	ng/ul	94
53) 2,4-Dinitrophenol	14.775	184	7998	4.657	ng/ul#	71
55) 4-Nitrophenol	14.869	109	9377	3.686	ng/ul	88
56) Dibenzofuran	15.004	168	93913	4.696	ng/ul	97
57) 2,4-Dinitrotoluene	15.010	165	17094	3.786	ng/ul	88
58) 2,3,4,6-Tetrachlorophenol	15.228	232	15447	3.774	ng/ul#	82
59) Diethylphthalate	15.422	149	70771	4.410	ng/ul	98
61) Fluorene	15.657	166	76361	4.649	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.651	204	38174	4.372	ng/ul	94
63) 4-Nitroaniline	15.751	138	9790m	3.730	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.763	198	10382	3.551	ng/ul#	66
67) N-Nitrosodiphenylamine	15.881	169	58647	4.671	ng/ul	98
68) 4-Bromophenyl-phenylether	16.563	248	19638	4.050	ng/ul#	83
69) Hexachlorobenzene	16.640	284	21330	3.831	ng/ul#	88
70) Atrazine	16.845	200	13832	2.997	ng/ul	97
71) Pentachlorophenol	17.016	266	11913	3.559	ng/ul	94
72) Phenanthrene	17.434	178	117433	4.837	ng/ul	99
74) Anthracene	17.528	178	115028	4.678	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.375	216	24519	3.526	ng/uL	98
76) Pentachlorobenzene	14.893	250	24191	3.589	ng/uL	98
77) Carbazole	17.828	167	84918	4.086	ng/ul	99
78) Di-n-butylphthalate	18.334	149	99040	4.105	ng/ul#	96
80) Fluoranthene	19.416	202	125052	4.886	ng/ul#	95
82) Pyrene	19.775	202	140424	5.179	ng/ul#	94
83) Butylbenzylphthalate	20.651	149	38395	4.117	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.463	252	29420	3.665	ng/ul#	96
85) Benzo(a)anthracene	21.516	228	121853	4.512	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.392	149	50400	3.872	ng/ul#	98
87) Chrysene	21.569	228	125280	4.905	ng/ul	98
89) Di-n-octyl phthalate	22.375	149	86061	3.756	ng/ul	100
90) Benzo(b)fluoranthene	23.298	252	114142	4.636	ng/ul	98
91) Benzo(k)fluoranthene	23.351	252	124076m	4.972	ng/ul	
93) Benzo(a)pyrene	23.980	252	105666	4.572	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.821	276	127601	4.632	ng/ul#	92
95) Dibenzo(a,h)anthracene	26.845	278	104835	4.561	ng/ul	97
96) Benzo(g,h,i)perylene	27.674	276	104379	4.703	ng/ul#	91

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

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