Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051724\
Data File : BP020417.D
Acq On : 17 May 2024 10:07
Operator : MA/JU
Sample : P2409-02
Misc : SFAM-MDL-WATER-02
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 17 22:50:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 16 10:48:40 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
MDL-WATER-QT2-2024-04

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/18/2024
Supervised By :mohammad ahmed 05/18/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.593	152	81664	20.000	ng/ul	0.00
20) Naphthalene-d8	10.357	136	341074	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.257	164	234351	20.000	ng/ul	-0.02
64) Phenanthrene-d10	17.092	188	576395	20.000	ng/ul	-0.03
79) Chrysene-d12	21.592	240	600602	20.000	ng/ul	-0.04
88) Perylene-d12	24.945	264	645269	20.000	ng/ul	-0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.193	96	9576	4.952	ng/uL	0.00
4) Pyridine-d5	3.599	84	113380	20.180	ng/ul	0.00
7) Phenol-d5	6.787	99	143749	20.497	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.946	67	86947	20.409	ng/ul	0.00
11) 2-Chlorophenol-d4	7.128	132	112441	22.427	ng/ul	0.00
15) 4-Methylphenol-d8	8.304	113	107298	18.924	ng/ul	0.00
21) Nitrobenzene-d5	8.752	128	55718	21.815	ng/ul	0.00
24) 2-Nitrophenol-d4	9.463	143	61422	21.000	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.004	165	113646	21.293	ng/ul	0.00
31) 4-Chloroaniline-d4	10.534	131	143182	19.168	ng/ul	0.01
46) Dimethylphthalate-d6	13.675	166	393299	22.981	ng/ul	-0.01
49) Acenaphthylene-d8	13.945	160	424080	22.432	ng/ul	-0.01
54) 4-Nitrophenol-d4	14.551	143	59873m	22.763	ng/ul	0.00
60) Fluorene-d10	15.281	176	343513	24.065	ng/ul	-0.02
65) 4,6-Dinitro-2-methylph...	15.445	200	61251	16.746	ng/ul	-0.02
73) Anthracene-d10	17.198	188	534934	21.453	ng/ul	-0.04
81) Pyrene-d10	19.598	212	727733	20.728	ng/ul	-0.04
92) Benzo(a)pyrene-d12	24.709	264	724895	23.234	ng/ul	-0.04
Target Compounds						Qvalue
2) 1,4-Dioxane	3.222	88	2392m	1.090	ng/uL	
5) Pyridine	3.622	79	24031	4.229	ng/ul#	53
6) Benzaldehyde	6.787	77	18564	5.266	ng/ul	96
8) Phenol	6.816	94	29940	4.136	ng/ul	95
10) Bis(2-Chloroethyl)ether	7.046	93	25115	4.434	ng/ul	96
12) 2-Chlorophenol	7.163	128	24698	4.718	ng/ul	97
13) 2-Methylphenol	8.052	108	21408	3.965	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.116	45	30545	4.323	ng/ul	98
16) Acetophenone	8.428	105	41055	4.363	ng/ul	97
17) N-Nitroso-di-n-propyla...	8.399	70	19562	3.831	ng/ul#	96
18) 4-Methylphenol	8.381	108	24717m	4.212	ng/ul	
19) Hexachloroethane	8.628	117	11267	4.707	ng/ul	88
22) Nitrobenzene	8.799	77	30988	4.226	ng/ul	100
23) Isophorone	9.310	82	59359	4.210	ng/ul	98
25) 2-Nitrophenol	9.499	139	13230	4.367	ng/ul	88
26) 2,4-Dimethylphenol	9.569	107	22012m	3.330	ng/ul	
27) Bis(2-Chloroethoxy)met...	9.804	93	31371	4.014	ng/ul	99
29) 2,4-Dichlorophenol	10.040	162	21716	4.183	ng/ul	91
30) Naphthalene	10.410	128	83635	4.757	ng/ul	99
32) 4-Chloroaniline	10.557	127	30438	4.167	ng/ul	96
33) Hexachlorobutadiene	10.657	225	19458	4.825	ng/ul	93
34) Caprolactam	11.393	113	8428m	4.649	ng/ul	
35) 4-Chloro-3-methylphenol	11.710	107	25354	3.922	ng/ul	95
36) 2-Methylnaphthalene	12.045	142	55854	4.566	ng/ul	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.263	142	59603	4.842	ng/ul	94
39) 1,2,4,5-Tetrachloroben...	12.416	216	35312	4.831	ng/ul	94
40) Hexachlorocyclopentadiene	12.363	237	20626	5.189	ng/ul	99
41) 2,4,6-Trichlorophenol	12.687	196	20111m	4.388	ng/ul	
42) 2,4,5-Trichlorophenol	12.781	196	21112m	4.281	ng/ul	
43) 1,1'-Biphenyl	13.075	154	78839	4.756	ng/ul	96
44) 2-Chloronaphthalene	13.116	162	62520	4.753	ng/ul	99
45) 2-Nitroaniline	13.375	65	15966	3.660	ng/ul	94
47) Dimethylphthalate	13.722	163	86300	4.992	ng/ul	99
48) 2,6-Dinitrotoluene	13.869	165	14542	4.232	ng/ul	98
50) Acenaphthylene	13.975	152	104244	4.902	ng/ul	98
51) 3-Nitroaniline	14.239	138	11789	3.678	ng/ul#	68
52) Acenaphthene	14.322	153	70132	4.908	ng/ul	97
53) 2,4-Dinitrophenol	14.475	184	8118	3.849	ng/ul#	86
55) 4-Nitrophenol	14.569	109	12437m	4.542	ng/ul	
56) Dibenzofuran	14.681	168	98061	4.990	ng/ul	96
57) 2,4-Dinitrotoluene	14.698	165	24445	4.948	ng/ul#	77
58) 2,3,4,6-Tetrachlorophenol	14.922	232	22395	5.057	ng/ul#	96
59) Diethylphthalate	15.122	149	85881	4.977	ng/ul	99
61) Fluorene	15.339	166	82872	5.075	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.339	204	46943	5.419	ng/ul	95
63) 4-Nitroaniline	15.434	138	12336m	4.618	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.469	198	15211	3.988	ng/ul#	96
67) N-Nitrosodiphenylamine	15.569	169	70427	4.388	ng/ul	95
68) 4-Bromophenyl-phenylether	16.263	248	28730	4.602	ng/ul	94
69) Hexachlorobenzene	16.363	284	35747	4.943	ng/ul	99
70) Atrazine	16.575	200	29176	5.127	ng/ul	94
71) Pentachlorophenol	16.757	266	18612	4.258	ng/ul	92
72) Phenanthrene	17.139	178	143693	4.886	ng/ul	97
74) Anthracene	17.239	178	139110	4.651	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.034	216	36073	4.211	ng/uL	98
76) Pentachlorobenzene	14.581	250	41578	4.850	ng/uL	98
77) Carbazole	17.551	167	111430	4.324	ng/ul	95
78) Di-n-butylphthalate	18.127	149	144721	4.634	ng/ul	99
80) Fluoranthene	19.251	202	175241	4.241	ng/ul	98
82) Pyrene	19.627	202	189971	4.419	ng/ul	98
83) Butylbenzylphthalate	20.610	149	65938	4.041	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.521	252	48654	3.980	ng/ul	99
85) Benzo(a)anthracene	21.574	228	192841	4.734	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.510	149	94902	4.031	ng/ul	97
87) Chrysene	21.639	228	180067	4.769	ng/ul	97
89) Di-n-octyl phthalate	22.804	149	159651	3.863	ng/ul	100
90) Benzo(b)fluoranthene	23.874	252	179234	4.669	ng/ul	98
91) Benzo(k)fluoranthene	23.945	252	187533	4.794	ng/ul	98
93) Benzo(a)pyrene	24.780	252	166413	4.556	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	28.762	276	208808m	4.664	ng/ul	
95) Dibenzo(a,h)anthracene	28.833	278	173799m	4.693	ng/ul	
96) Benzo(g,h,i)perylene	29.933	276	169978m	4.707	ng/ul	

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

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