Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091224\
Data File : BP021893.D
Acq On : 12 Sep 2024 12:38
Operator : RC/JU
Sample : P3391-01
Misc : SFAM-MDL-Q3-WATER-01
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MDL-WATER-QT3-2024-05

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/13/2024
Supervised By :mohammad ahmed 09/14/2024

Quant Time: Sep 13 02:37:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP091124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 12 12:48:41 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.752	152	86503	20.000	ng/ul	0.02
20) Naphthalene-d8	10.516	136	340104	20.000	ng/ul	0.01
38) Acenaphthene-d10	14.363	164	248627	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.157	188	607283m	20.000	ng/ul	0.00
79) Chrysene-d12	21.580	240	699969	20.000	ng/ul	#-0.01
88) Perylene-d12	24.909	264	816937	20.000	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.264	96	9570	3.579	ng/uL	0.00
4) Pyridine-d5	3.675	84	132852	16.874	ng/ul	0.01
7) Phenol-d5	6.922	99	150047	20.300	ng/ul	0.01
9) Bis-(2-Chloroethyl)eth...	7.081	67	86688	20.193	ng/ul	0.01
11) 2-Chlorophenol-d4	7.287	132	122322	23.774	ng/ul	0.01
15) 4-Methylphenol-d8	8.451	113	113609	19.251	ng/ul	0.02
21) Nitrobenzene-d5	8.887	128	61728	29.142	ng/ul	0.01
24) 2-Nitrophenol-d4	9.610	143	66706	27.703	ng/ul	0.02
28) 2,4-Dichlorophenol-d3	10.146	165	128478	24.094	ng/ul	0.02
31) 4-Chloroaniline-d4	10.651	131	160918	20.707	ng/ul	0.01
46) Dimethylphthalate-d6	13.763	166	443219	23.728	ng/ul	0.00
49) Acenaphthylene-d8	14.051	160	466463	22.766	ng/ul	0.00
54) 4-Nitrophenol-d4	14.563	143	76166	21.570	ng/ul	0.00
60) Fluorene-d10	15.369	176	386679	21.779	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.486	200	70417	20.268	ng/ul	0.00
73) Anthracene-d10	17.257	188	550730	19.523	ng/ul	0.00
81) Pyrene-d10	19.627	212	840415	21.701	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.674	264	977105	22.983	ng/ul	-0.02
Target Compounds						Qvalue
5) Pyridine	3.693	79	26202	3.328	ng/ul#	56
6) Benzaldehyde	6.899	77	19444m	5.030	ng/ul	
8) Phenol	6.952	94	30631	3.995	ng/ul	93
10) Bis(2-Chloroethyl)ether	7.175	93	24116	4.191	ng/ul	95
12) 2-Chlorophenol	7.322	128	25185	4.759	ng/ul	98
13) 2-Methylphenol	8.187	108	19380	3.574	ng/ul	87
14) 2,2'-oxybis(1-Chloropr...	8.269	45	25678	4.105	ng/ul#	91
16) Acetophenone	8.563	105	41516	4.362	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.546	70	20220	4.444	ng/ul	93
18) 4-Methylphenol	8.510	108	23413	3.849	ng/ul	99
19) Hexachloroethane	8.822	117	11524	4.591	ng/ul	97
22) Nitrobenzene	8.928	77	32781	5.777	ng/ul	95
23) Isophorone	9.457	82	53166	5.025	ng/ul	98
25) 2-Nitrophenol	9.640	139	14554	5.462	ng/ul#	89
26) 2,4-Dimethylphenol	9.698	107	12140	2.143	ng/ul	95
27) Bis(2-Chloroethoxy)met...	9.934	93	33363	5.150	ng/ul	95
29) 2,4-Dichlorophenol	10.169	162	26648	4.885	ng/ul	95
30) Naphthalene	10.569	128	84859	4.686	ng/ul	98
32) 4-Chloroaniline	10.675	127	32989	4.312	ng/ul	98
33) Hexachlorobutadiene	10.863	225	22027	5.069	ng/ul	97
34) Caprolactam	11.457	113	11729	6.203	ng/ul	93
35) 4-Chloro-3-methylphenol	11.804	107	25411	4.120	ng/ul	93
36) 2-Methylnaphthalene	12.175	142	59345	4.467	ng/ul	100
37) 1-Methylnaphthalene	12.398	142	62044	4.582	ng/ul	98

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	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39)	1,2,4,5-Tetrachloroben...	12.540	216	38363	4.532	ng/ul	92
40)	Hexachlorocyclopentadiene	12.522	237	23701	4.946	ng/ul	96
41)	2,4,6-Trichlorophenol	12.787	196	21032	4.041	ng/ul	93
42)	2,4,5-Trichlorophenol	12.857	196	22707	3.959	ng/ul	98
43)	1,1'-Biphenyl	13.192	154	83865	4.605	ng/ul	98
44)	2-Chloronaphthalene	13.234	162	67727	4.603	ng/ul	95
45)	2-Nitroaniline	13.434	65	16698	4.272	ng/ul	90
47)	Dimethylphthalate	13.810	163	91554	4.838	ng/ul	100
48)	2,6-Dinitrotoluene	13.928	165	15677	4.458	ng/ul	97
50)	Acenaphthylene	14.081	152	106071	4.872	ng/ul	99
51)	3-Nitroaniline	14.263	138	14297	4.012	ng/ul#	91
52)	Acenaphthene	14.434	153	72296	4.629	ng/ul	99
53)	2,4-Dinitrophenol	14.481	184	15794	7.105	ng/ul#	85
55)	4-Nitrophenol	14.581	109	18324	5.781	ng/ul	92
56)	Dibenzofuran	14.763	168	108721	4.754	ng/ul	92
57)	2,4-Dinitrotoluene	14.722	165	24596	4.461	ng/ul	93
58)	2,3,4,6-Tetrachlorophenol	14.992	232	21630	4.378	ng/ul#	91
59)	Diethylphthalate	15.198	149	91121	4.796	ng/ul	100
61)	Fluorene	15.433	166	91156	4.546	ng/ul	93
62)	4-Chlorophenyl-phenyle...	15.422	204	48283	4.624	ng/ul	93
63)	4-Nitroaniline	15.439	138	15022	3.800	ng/ul	95
66)	4,6-Dinitro-2-methylph...	15.504	198	18030m	4.699	ng/ul	
67)	N-Nitrosodiphenylamine	15.633	169	74191	4.429	ng/ul	98
68)	4-Bromophenyl-phenylether	16.328	248	30018	4.740	ng/ul	91
69)	Hexachlorobenzene	16.445	284	37680	4.956	ng/ul	97
70)	Atrazine	16.610	200	31869	4.848	ng/ul	98
71)	Pentachlorophenol	16.804	266	35851	7.222	ng/ul	99
72)	Phenanthrene	17.204	178	152752m	4.643	ng/ul	
74)	Anthracene	17.292	178	132384	3.981	ng/ul	99
75)	1,2,3,4-Tetrachloroben...	13.151	216	37472	4.409	ng/uL	99
76)	Pentachlorobenzene	14.692	250	41917	4.929	ng/uL	97
77)	Carbazole	17.569	167	131472	4.415	ng/ul	100
78)	Di-n-butylphthalate	18.163	149	150380m	4.594	ng/ul	
80)	Fluoranthene	19.280	202	193476	4.338	ng/ul	96
82)	Pyrene	19.651	202	209595	4.330	ng/ul	97
83)	Butylbenzylphthalate	20.604	149	72266	4.342	ng/ul	95
84)	3,3'-Dichlorobenzidine	21.480	252	57778	3.684	ng/ul	99
85)	Benzo(a)anthracene	21.563	228	223037	4.511	ng/ul	99
86)	Bis(2-ethylhexyl)phtha...	21.504	149	103203	4.292	ng/ul#	99
87)	Chrysene	21.627	228	216452	4.577	ng/ul	99
89)	Di-n-octyl phthalate	22.768	149	168479	3.867	ng/ul	100
90)	Benzo(b)fluoranthene	23.851	252	230663	4.547	ng/ul	98
91)	Benzo(k)fluoranthene	23.927	252	238140	4.751	ng/ul	97
93)	Benzo(a)pyrene	24.745	252	221385	4.727	ng/ul	99
94)	Indeno(1,2,3-cd)pyrene	28.656	276	293771m	4.993	ng/ul	
95)	Dibenzo(a,h)anthracene	28.739	278	239885	5.061	ng/ul#	97
96)	Benzo(g,h,i)perylene	29.815	276	240702	5.173	ng/ul#	93

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

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