Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030623\
Data File : BN024129.D
Acq On : 06 Mar 2023 10:47
Operator : CG/JU
Sample : 01378-01
Misc : SFAM-MDL-WATER-01
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2023-01

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 03/07/2023
Supervised By :Jagrut Upadhyay 03/07/2023

Quant Time: Mar 07 04:29:15 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN030323.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Mar 07 04:27:04 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.057	152	263290	20.000	ng/ul	0.00
20) Naphthalene-d8	10.881	136	1168328	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.698	164	689136	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.439	188	1444570	20.000	ng/ul	0.00
79) Chrysene-d12	21.633	240	1359076	20.000	ng/ul	0.00
88) Perylene-d12	24.145	264	1437253	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.405	96	32554	4.823	ng/uL	0.00
4) Pyridine-d5	3.834	84	316632	16.954	ng/ul	0.00
7) Phenol-d5	7.199	99	459576	19.460	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.381	67	300099	19.843	ng/ul	0.00
11) 2-Chlorophenol-d4	7.581	132	355574	19.605	ng/ul	0.00
15) 4-Methylphenol-d8	8.757	113	350818	18.686	ng/ul	0.00
21) Nitrobenzene-d5	9.228	128	147349	19.431	ng/ul	0.00
24) 2-Nitrophenol-d4	9.951	143	160425	19.400	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.487	165	328233	18.395	ng/ul	0.00
31) 4-Chloroaniline-d4	11.010	131	484148	18.186	ng/ul	0.00
46) Dimethylphthalate-d6	14.098	166	1021934	19.214	ng/ul	0.00
49) Acenaphthylene-d8	14.386	160	1201310	19.405	ng/ul	0.00
54) 4-Nitrophenol-d4	14.869	143	165217	16.258	ng/ul	0.00
60) Fluorene-d10	15.686	176	868275	19.425	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.792	200	109185	14.029	ng/ul	0.00
73) Anthracene-d10	17.539	188	1229325	18.044	ng/ul	0.00
81) Pyrene-d10	19.827	212	1495302	18.826	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.980	264	1434810	20.082	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.446	88	9860	1.349	ng/uL	97
5) Pyridine	3.858	79	82470	4.266	ng/ul	88
6) Benzaldehyde	7.187	77	60717	5.292	ng/ul	94
8) Phenol	7.228	94	119092	4.864	ng/ul	99
10) Bis(2-Chloroethyl)ether	7.475	93	96887	4.884	ng/ul	98
12) 2-Chlorophenol	7.616	128	89668	4.762	ng/ul	100
13) 2-Methylphenol	8.493	108	83226	4.521	ng/ul	97
14) 2,2'-oxybis(1-Chloropr...	8.599	45	153856	4.888	ng/ul	98
16) Acetophenone	8.887	105	155347	5.330	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.869	70	69756	4.874	ng/ul	97
18) 4-Methylphenol	8.822	108	96130	4.744	ng/ul	100
19) Hexachloroethane	9.151	117	33708	4.559	ng/ul	96
22) Nitrobenzene	9.269	77	99901	4.867	ng/ul	99
23) Isophorone	9.793	82	209246	4.664	ng/ul	99
25) 2-Nitrophenol	9.987	139	46694	4.916	ng/ul	96
26) 2,4-Dimethylphenol	10.040	107	86082	3.976	ng/ul	99
27) Bis(2-Chloroethoxy)met...	10.281	93	135736	4.872	ng/ul	99
29) 2,4-Dichlorophenol	10.516	162	89098	4.947	ng/ul	100
30) Naphthalene	10.928	128	321530	5.001	ng/ul	99
32) 4-Chloroaniline	11.034	127	130823	4.873	ng/ul	100
33) Hexachlorobutadiene	11.216	225	52704	4.802	ng/ul	95
34) Caprolactam	11.804	113	29535m	4.809	ng/ul	
35) 4-Chloro-3-methylphenol	12.140	107	89611	4.517	ng/ul	98
36) 2-Methylnaphthalene	12.528	142	209800	4.956	ng/ul	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.751	142	166156	3.917	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.892	216	109451	5.278	ng/ul	96
40) Hexachlorocyclopentadiene	12.875	237	48406	4.331	ng/ul	99
41) 2,4,6-Trichlorophenol	13.128	196	63644	4.685	ng/ul	90
42) 2,4,5-Trichlorophenol	13.192	196	69575	4.755	ng/ul	92
43) 1,1'-Biphenyl	13.534	154	293260	5.342	ng/ul	99
44) 2-Chloronaphthalene	13.575	162	221592	5.181	ng/ul	98
45) 2-Nitroaniline	13.769	65	30870	3.313	ng/ul	96
47) Dimethylphthalate	14.145	163	275677	5.143	ng/ul	99
48) 2,6-Dinitrotoluene	14.263	165	24371	3.089	ng/ul	96
50) Acenaphthylene	14.416	152	347397	5.207	ng/ul	97
51) 3-Nitroaniline	14.592	138	33370	3.479	ng/ul#	98
52) Acenaphthene	14.757	153	240989	5.296	ng/ul	97
53) 2,4-Dinitrophenol	14.792	184	25501	4.668	ng/ul	97
55) 4-Nitrophenol	14.881	109	35902	4.637	ng/ul	96
56) Dibenzofuran	15.092	168	332147	5.195	ng/ul	97
57) 2,4-Dinitrotoluene	15.045	165	46524	3.740	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	15.310	232	57385	4.563	ng/ul	96
59) Diethylphthalate	15.504	149	262886	4.920	ng/ul	99
61) Fluorene	15.739	166	270606	5.403	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.733	204	129017	5.387	ng/ul	98
63) 4-Nitroaniline	15.745	138	37041m	3.994	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.804	198	34385	4.368	ng/ul#	90
67) N-Nitrosodiphenylamine	15.945	169	213782	4.998	ng/ul	98
68) 4-Bromophenyl-phenylether	16.628	248	72359	5.038	ng/ul	97
69) Hexachlorobenzene	16.739	284	90184	5.162	ng/ul	98
70) Atrazine	16.892	200	61399	4.240	ng/ul	97
71) Pentachlorophenol	17.086	266	48246	4.464	ng/ul	96
72) Phenanthrene	17.480	178	415116	5.187	ng/ul	99
74) Anthracene	17.575	178	395831	4.906	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.498	216	83431	3.963	ng/uL	90
76) Pentachlorobenzene	15.010	250	79090	3.855	ng/uL	95
77) Carbazole	17.839	167	362921	5.023	ng/ul	100
78) Di-n-butylphthalate	18.404	149	395909	4.603	ng/ul	99
80) Fluoranthene	19.492	202	451632	4.891	ng/ul	98
82) Pyrene	19.857	202	498333	5.115	ng/ul	99
83) Butylbenzylphthalate	20.757	149	98539	3.972	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.545	252	92059	3.514	ng/ul	97
85) Benzo(a)anthracene	21.615	228	457063	4.825	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.545	149	167297	4.063	ng/ul	99
87) Chrysene	21.668	228	451786	4.983	ng/ul	92
89) Di-n-octyl phthalate	22.510	149	267358	3.478	ng/ul	100
90) Benzo(b)fluoranthene	23.374	252	448116	4.952	ng/ul	97
91) Benzo(k)fluoranthene	23.421	252	471318	5.266	ng/ul	97
93) Benzo(a)pyrene	24.033	252	422110	5.268	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.774	276	505096m	5.005	ng/ul	
95) Dibenzo(a,h)anthracene	26.792	278	417541m	5.081	ng/ul	
96) Benzo(g,h,i)perylene	27.568	276	416808m	5.006	ng/ul	

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

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