Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030723\
Data File : BN024139.D
Acq On : 07 Mar 2023 11:24
Operator : CG/JU
Sample : 01378-02
Misc : SFAM-MDL-WATER-02
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 08 03:03:54 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

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2023-02

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 03/08/2023
Supervised By :Jagrut Upadhyay 03/08/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.058	152	255927	20.000	ng/ul	0.00
20) Naphthalene-d8	10.881	136	1109918	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.698	164	658379	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.439	188	1377797	20.000	ng/ul	0.00
79) Chrysene-d12	21.633	240	1267218	20.000	ng/ul	0.00
88) Perylene-d12	24.163	264	1334192	20.000	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.405	96	31739	4.838	ng/uL	0.00
4) Pyridine-d5	3.834	84	312691	17.225	ng/ul	0.00
7) Phenol-d5	7.205	99	444254	19.352	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.381	67	293015	19.932	ng/ul	0.00
11) 2-Chlorophenol-d4	7.581	132	347169	19.692	ng/ul	0.00
15) 4-Methylphenol-d8	8.758	113	336865	18.459	ng/ul	0.00
21) Nitrobenzene-d5	9.228	128	140974	19.569	ng/ul	0.00
24) 2-Nitrophenol-d4	9.952	143	150848	19.202	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.487	165	316244	18.656	ng/ul	0.00
31) 4-Chloroaniline-d4	11.010	131	471719	18.652	ng/ul	0.00
46) Dimethylphthalate-d6	14.098	166	971565	19.121	ng/ul	0.00
49) Acenaphthylene-d8	14.393	160	1150229	19.448	ng/ul	0.00
54) 4-Nitrophenol-d4	14.869	143	156027	16.070	ng/ul	0.00
60) Fluorene-d10	15.687	176	837125	19.603	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.792	200	102791	13.847	ng/ul	0.00
73) Anthracene-d10	17.539	188	1179675	18.155	ng/ul	0.00
81) Pyrene-d10	19.828	212	1476367	19.935	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.986	264	1357038	20.461	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.446	88	9490	1.336	ng/uL	97
5) Pyridine	3.858	79	80857	4.303	ng/ul#	86
6) Benzaldehyde	7.187	77	58421	5.238	ng/ul	96
8) Phenol	7.228	94	118792	4.992	ng/ul	99
10) Bis(2-Chloroethyl)ether	7.475	93	92668	4.805	ng/ul	95
12) 2-Chlorophenol	7.616	128	87005	4.754	ng/ul	99
13) 2-Methylphenol	8.493	108	81409	4.549	ng/ul	95
14) 2,2'-oxybis(1-Chloropr...	8.593	45	151790	4.961	ng/ul	99
16) Acetophenone	8.887	105	150881	5.326	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.869	70	66595	4.787	ng/ul	96
18) 4-Methylphenol	8.822	108	94382	4.792	ng/ul	98
19) Hexachloroethane	9.152	117	33148	4.612	ng/ul	97
22) Nitrobenzene	9.269	77	100445	5.151	ng/ul	99
23) Isophorone	9.793	82	201128	4.719	ng/ul	98
25) 2-Nitrophenol	9.987	139	44097	4.886	ng/ul	97
26) 2,4-Dimethylphenol	10.034	107	79782	3.879	ng/ul	97
27) Bis(2-Chloroethoxy)met...	10.281	93	131284	4.960	ng/ul	98
29) 2,4-Dichlorophenol	10.516	162	84258	4.925	ng/ul	95
30) Naphthalene	10.928	128	307210	5.030	ng/ul	100
32) 4-Chloroaniline	11.034	127	126611	4.964	ng/ul	99
33) Hexachlorobutadiene	11.216	225	48682	4.669	ng/ul	96
34) Caprolactam	11.799	113	27802m	4.765	ng/ul	
35) 4-Chloro-3-methylphenol	12.140	107	85166	4.518	ng/ul	94
36) 2-Methylnaphthalene	12.528	142	204362	5.082	ng/ul	96

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	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1-Methylnaphthalene	12.751	142	160691	3.987	ng/ul	98
39)	1,2,4,5-Tetrachloroben...	12.893	216	103192	5.209	ng/ul	92
40)	Hexachlorocyclopentadiene	12.881	237	45748	4.285	ng/ul	95
41)	2,4,6-Trichlorophenol	13.128	196	59025	4.548	ng/ul	98
42)	2,4,5-Trichlorophenol	13.193	196	64726	4.631	ng/ul	98
43)	1,1'-Biphenyl	13.534	154	276419	5.271	ng/ul	99
44)	2-Chloronaphthalene	13.575	162	213926	5.235	ng/ul	99
45)	2-Nitroaniline	13.775	65	30295	3.403	ng/ul	97
47)	Dimethylphthalate	14.146	163	259694	5.071	ng/ul	99
48)	2,6-Dinitrotoluene	14.263	165	22443	2.977	ng/ul	97
50)	Acenaphthylene	14.416	152	337908	5.302	ng/ul	100
51)	3-Nitroaniline	14.593	138	31664	3.456	ng/ul#	98
52)	Acenaphthene	14.757	153	228851	5.264	ng/ul	99
53)	2,4-Dinitrophenol	14.793	184	23121	4.430	ng/ul	95
55)	4-Nitrophenol	14.881	109	34282	4.635	ng/ul	95
56)	Dibenzofuran	15.093	168	316803	5.187	ng/ul	98
57)	2,4-Dinitrotoluene	15.045	165	43509	3.661	ng/ul	99
58)	2,3,4,6-Tetrachlorophenol	15.310	232	54640	4.547	ng/ul	99
59)	Diethylphthalate	15.510	149	246467	4.828	ng/ul	98
61)	Fluorene	15.740	166	257994	5.392	ng/ul	94
62)	4-Chlorophenyl-phenyle...	15.734	204	121314	5.302	ng/ul	98
63)	4-Nitroaniline	15.745	138	35100m	3.961	ng/ul	
66)	4,6-Dinitro-2-methylph...	15.804	198	31703	4.222	ng/ul#	82
67)	N-Nitrosodiphenylamine	15.945	169	209212	5.128	ng/ul	97
68)	4-Bromophenyl-phenylether	16.628	248	68401	4.993	ng/ul	98
69)	Hexachlorobenzene	16.739	284	85864	5.153	ng/ul	97
70)	Atrazine	16.892	200	56600	4.098	ng/ul	97
71)	Pentachlorophenol	17.081	266	44570	4.324	ng/ul	95
72)	Phenanthrene	17.481	178	399329	5.232	ng/ul	99
74)	Anthracene	17.575	178	387494	5.035	ng/ul	99
75)	1,2,3,4-Tetrachloroben...	13.498	216	80331	4.000	ng/uL	96
76)	Pentachlorobenzene	15.010	250	74341	3.799	ng/uL	94
77)	Carbazole	17.839	167	344608	5.000	ng/ul	99
78)	Di-n-butylphthalate	18.410	149	373774	4.556	ng/ul	99
80)	Fluoranthene	19.492	202	448864	5.213	ng/ul	99
82)	Pyrene	19.857	202	478819	5.271	ng/ul	98
83)	Butylbenzylphthalate	20.757	149	96457	4.170	ng/ul	99
84)	3,3'-Dichlorobenzidine	21.545	252	81651	3.343	ng/ul	97
85)	Benzo(a)anthracene	21.616	228	445442	5.043	ng/ul	97
86)	Bis(2-ethylhexyl)phtha...	21.545	149	161141	4.198	ng/ul	98
87)	Chrysene	21.675	228	438013	5.181	ng/ul	94
89)	Di-n-octyl phthalate	22.510	149	251642	3.527	ng/ul	100
90)	Benzo(b)fluoranthene	23.386	252	411175	4.895	ng/ul	97
91)	Benzo(k)fluoranthene	23.439	252	449034	5.405	ng/ul	98
93)	Benzo(a)pyrene	24.045	252	387928	5.215	ng/ul	98
94)	Indeno(1,2,3-cd)pyrene	26.810	276	454051m	4.847	ng/ul	
95)	Dibenzo(a,h)anthracene	26.845	278	378759m	4.965	ng/ul	
96)	Benzo(g,h,i)perylene	27.633	276	373719m	4.835	ng/ul	

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

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