

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071323\
 Data File : VN078491.D
 Acq On : 13 Jul 2023 11:55
 Operator : JC\MD
 Sample : VN0713WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/14/2023
 Supervised By : Semsettin Yesilyurt 07/14/2023

Quant Time: Jul 14 01:30:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.235	168	455301	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	779809	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	693431	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	267949	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	318562	52.191	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.380%			
35) Dibromofluoromethane	8.171	113	277665	52.453	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.900%			
50) Toluene-d8	10.576	98	1030217	51.517	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.040%			
62) 4-Bromofluorobenzene	12.853	95	311851	50.628	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.260%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.136	85	97559	17.477	ug/l	97
3) Chloromethane	2.371	50	119372	19.674	ug/l	98
4) Vinyl Chloride	2.518	62	147631	18.809	ug/l	98
5) Bromomethane	2.959	94	101820	17.254	ug/l	96
6) Chloroethane	3.124	64	93436	18.468	ug/l	96
7) Trichlorofluoromethane	3.500	101	171010	18.227	ug/l	93
8) Diethyl Ether	3.971	74	58136	18.598	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.383	101	93295	18.784	ug/l	97
10) Methyl Iodide	4.600	142	121706	17.833	ug/l	94
11) Tert butyl alcohol	5.541	59	93178	98.997	ug/l	98
12) 1,1-Dichloroethene	4.347	96	90537	18.845	ug/l	96
13) Acrolein	4.194	56	101240	109.326	ug/l	98
14) Allyl chloride	5.030	41	129212	19.683	ug/l	94
15) Acrylonitrile	5.730	53	232794	97.890	ug/l	99
16) Acetone	4.441	43	183850	96.695	ug/l	97
17) Carbon Disulfide	4.718	76	233004	16.772	ug/l	98
18) Methyl Acetate	5.036	43	153812	19.110	ug/l #	88
19) Methyl tert-butyl Ether	5.812	73	298744	18.873	ug/l	99
20) Methylene Chloride	5.288	84	111832	19.766	ug/l	93
21) trans-1,2-Dichloroethene	5.794	96	98532	18.200	ug/l	88
22) Diisopropyl ether	6.683	45	286354	19.481	ug/l	94
23) Vinyl Acetate	6.618	43	888142	95.040	ug/l #	89
24) 1,1-Dichloroethane	6.577	63	186047	18.783	ug/l	96
25) 2-Butanone	7.494	43	294868	98.521	ug/l #	85
26) 2,2-Dichloropropane	7.500	77	157772	19.475	ug/l	98
27) cis-1,2-Dichloroethene	7.500	96	115498	18.442	ug/l	90
28) Bromochloromethane	7.824	49	97408	20.879	ug/l	93
29) Tetrahydrofuran	7.853	42	191829	97.679	ug/l #	84
30) Chloroform	7.977	83	202785	19.665	ug/l	94
31) Cyclohexane	8.265	56	148522	18.005	ug/l	91
32) 1,1,1-Trichloroethane	8.182	97	176813	19.124	ug/l	99
36) 1,1-Dichloropropene	8.377	75	141352	18.493	ug/l	96
37) Ethyl Acetate	7.577	43	121816	19.118	ug/l	96
38) Carbon Tetrachloride	8.365	117	160699	19.344	ug/l	98
39) Methylcyclohexane	9.606	83	128806	18.462	ug/l	91
40) Benzene	8.618	78	433540	19.146	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071323\
 Data File : VN078491.D
 Acq On : 13 Jul 2023 11:55
 Operator : JC\MD
 Sample : VN0713WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 07/14/2023
 Supervised By :Semsettin Yesilyurt 07/14/2023

Quant Time: Jul 14 01:30:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	64532	19.867	ug/l	91
42) 1,2-Dichloroethane	8.677	62	151425	19.660	ug/l	98
43) Isopropyl Acetate	8.700	43	199495	19.017	ug/l	96
44) Trichloroethene	9.365	130	112198	18.384	ug/l	92
45) 1,2-Dichloropropane	9.629	63	110896	19.336	ug/l	96
46) Dibromomethane	9.712	93	79713	19.747	ug/l	93
47) Bromodichloromethane	9.894	83	162770	20.116	ug/l	96
48) Methyl methacrylate	9.688	41	91857	18.901	ug/l	91
49) 1,4-Dioxane	9.706	88	43881	414.019	ug/l	98
51) 4-Methyl-2-Pentanone	10.453	43	628908	100.791	ug/l	93
52) Toluene	10.635	92	274129	19.533	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	155736	18.787	ug/l	96
54) cis-1,3-Dichloropropene	10.318	75	173588	19.645	ug/l	93
55) 1,1,2-Trichloroethane	11.023	97	108253	19.577	ug/l	96
56) Ethyl methacrylate	10.882	69	148373	19.195	ug/l	92
57) 1,3-Dichloropropane	11.170	76	181132	19.266	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.171	63	230144	83.548	ug/l	94
59) 2-Hexanone	11.200	43	446546	100.695	ug/l	90
60) Dibromochloromethane	11.365	129	120815	19.791	ug/l	99
61) 1,2-Dibromoethane	11.476	107	108541	19.055	ug/l	100
64) Tetrachloroethene	11.112	164	104233	19.993	ug/l	89
65) Chlorobenzene	11.900	112	282831	18.247	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	115824	19.425	ug/l	99
67) Ethyl Benzene	11.970	91	491826	18.772	ug/l	98
68) m/p-Xylenes	12.076	106	373408	38.548	ug/l	99
69) o-Xylene	12.406	106	183276	18.732	ug/l	99
70) Styrene	12.417	104	291324	19.032	ug/l	98
71) Bromoform	12.582	173	77508	19.193	ug/l #	98
73) Isopropylbenzene	12.700	105	448260	17.804	ug/l	98
74) N-amyl acetate	12.500	43	151607	17.473	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	151016	19.591	ug/l	100
76) 1,2,3-Trichloropropane	13.000	75	124556m	19.232	ug/l	
77) Bromobenzene	12.988	156	108417	18.838	ug/l	95
78) n-propylbenzene	13.041	91	497496	18.476	ug/l	99
79) 2-Chlorotoluene	13.129	91	313875	17.796	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	368870	18.542	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	42306	17.165	ug/l #	86
82) 4-Chlorotoluene	13.229	91	295749	17.975	ug/l	98
83) tert-Butylbenzene	13.441	119	311764	18.459	ug/l	93
84) 1,2,4-Trimethylbenzene	13.488	105	357814	18.517	ug/l	98
85) sec-Butylbenzene	13.623	105	384780	18.024	ug/l	98
86) p-Isopropyltoluene	13.735	119	314219	18.330	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	176207	18.230	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	170365	17.499	ug/l	99
89) n-Butylbenzene	14.064	91	217620	17.743	ug/l	96
90) Hexachloroethane	14.341	117	61012	18.856	ug/l	92
91) 1,2-Dichlorobenzene	14.111	146	174353	18.126	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	24614	19.240	ug/l	100
93) 1,2,4-Trichlorobenzene	15.400	180	43601	14.203	ug/l	92
94) Hexachlorobutadiene	15.511	225	30219	16.233	ug/l	97
95) Naphthalene	15.653	128	140133	13.352	ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	52556	14.889	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071323\
Data File : VN078491.D
Acq On : 13 Jul 2023 11:55
Operator : JC\MD
Sample : VN0713WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/14/2023
Supervised By :Semsettin Yesilyurt 07/14/2023

Quant Time: Jul 14 01:30:18 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 10 16:13:53 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

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

