

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071323\
 Data File : VN078492.D
 Acq On : 13 Jul 2023 12:33
 Operator : JC\MD
 Sample : VN0713WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Jul 14 01:31:07 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	421908	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	746397	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	659581	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	248433	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	304423	53.822	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.640%			
35) Dibromofluoromethane	8.177	113	263560	52.017	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.040%			
50) Toluene-d8	10.576	98	961781	50.248	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.500%			
62) 4-Bromofluorobenzene	12.853	95	294020	49.870	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.740%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.136	85	87677	16.950	ug/l	97
3) Chloromethane	2.371	50	111853	19.894	ug/l	97
4) Vinyl Chloride	2.518	62	130163	17.896	ug/l	96
5) Bromomethane	2.959	94	92886	16.900	ug/l	96
6) Chloroethane	3.124	64	90937	19.497	ug/l	90
7) Trichlorofluoromethane	3.500	101	157892	18.161	ug/l	94
8) Diethyl Ether	3.971	74	54021	18.649	ug/l	73
9) 1,1,2-Trichlorotrifluo...	4.383	101	88797	19.294	ug/l	96
10) Methyl Iodide	4.595	142	114795	18.151	ug/l	95
11) Tert butyl alcohol	5.547	59	92095	105.590	ug/l	99
12) 1,1-Dichloroethene	4.347	96	81127	18.223	ug/l	99
13) Acrolein	4.189	56	97632	113.774	ug/l	99
14) Allyl chloride	5.036	41	104693	17.210	ug/l	92
15) Acrylonitrile	5.736	53	220734	100.165	ug/l	96
16) Acetone	4.442	43	178254	101.172	ug/l	96
17) Carbon Disulfide	4.724	76	212561	16.512	ug/l	97
18) Methyl Acetate	5.042	43	151159	20.267	ug/l	90
19) Methyl tert-butyl Ether	5.812	73	294439	20.073	ug/l	98
20) Methylene Chloride	5.283	84	103202	19.679	ug/l #	87
21) trans-1,2-Dichloroethene	5.794	96	94966	18.930	ug/l	100
22) Diisopropyl ether	6.683	45	277354	20.362	ug/l #	92
23) Vinyl Acetate	6.618	43	846453	97.748	ug/l #	90
24) 1,1-Dichloroethane	6.583	63	176610	19.242	ug/l	97
25) 2-Butanone	7.500	43	283978	102.392	ug/l	89
26) 2,2-Dichloropropane	7.500	77	140544	18.722	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	113023	19.475	ug/l	94
28) Bromochloromethane	7.824	49	95826	22.166	ug/l	91
29) Tetrahydrofuran	7.853	42	182947	100.529	ug/l	85
30) Chloroform	7.977	83	194247	20.328	ug/l	89
31) Cyclohexane	8.265	56	135159	17.682	ug/l	88
32) 1,1,1-Trichloroethane	8.177	97	162321	18.946	ug/l	95
36) 1,1-Dichloropropene	8.383	75	132107	18.057	ug/l	98
37) Ethyl Acetate	7.571	43	117358	19.243	ug/l #	95
38) Carbon Tetrachloride	8.365	117	148840	18.719	ug/l	97
39) Methylcyclohexane	9.612	83	119377	17.876	ug/l	89
40) Benzene	8.612	78	405770	18.721	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071323\
 Data File : VN078492.D
 Acq On : 13 Jul 2023 12:33
 Operator : JC\MD
 Sample : VN0713WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Jul 14 01:31:07 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	58298	18.751	ug/l	95
42) 1,2-Dichloroethane	8.677	62	145686	19.762	ug/l	100
43) Isopropyl Acetate	8.700	43	200059	19.925	ug/l	96
44) Trichloroethene	9.359	130	106080	18.159	ug/l	94
45) 1,2-Dichloropropane	9.629	63	105023	19.132	ug/l	99
46) Dibromomethane	9.718	93	78283	20.261	ug/l	96
47) Bromodichloromethane	9.894	83	153261	19.788	ug/l	92
48) Methyl methacrylate	9.688	41	91538	19.678	ug/l	87
49) 1,4-Dioxane	9.700	88	42392	417.875	ug/l	91
51) 4-Methyl-2-Pentanone	10.453	43	617853	103.452	ug/l	92
52) Toluene	10.635	92	255697	19.035	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	156268	19.695	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	167313	19.782	ug/l	95
55) 1,1,2-Trichloroethane	11.024	97	105738	19.978	ug/l	98
56) Ethyl methacrylate	10.882	69	145968	19.730	ug/l	91
57) 1,3-Dichloropropane	11.171	76	176899	19.658	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	233399	88.523	ug/l	94
59) 2-Hexanone	11.200	43	436659	102.873	ug/l	90
60) Dibromochloromethane	11.365	129	116539	19.945	ug/l	99
61) 1,2-Dibromoethane	11.476	107	106921	19.611	ug/l	99
64) Tetrachloroethene	11.112	164	98726	19.909	ug/l	94
65) Chlorobenzene	11.900	112	273217	18.532	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	108816	19.186	ug/l	97
67) Ethyl Benzene	11.970	91	456971	18.337	ug/l	100
68) m/p-Xylenes	12.082	106	349234	37.903	ug/l	96
69) o-Xylene	12.406	106	174330	18.732	ug/l	100
70) Styrene	12.418	104	278739	19.144	ug/l	98
71) Bromoform	12.582	173	74422	19.375	ug/l #	98
73) Isopropylbenzene	12.700	105	427825	18.327	ug/l	100
74) N-amyl acetate	12.500	43	147806	18.373	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	151259	21.429	ug/l	100
76) 1,2,3-Trichloropropane	13.000	75	120812m	20.119	ug/l	
77) Bromobenzene	12.988	156	104505	19.648	ug/l	97
78) n-propylbenzene	13.041	91	472572	18.929	ug/l	100
79) 2-Chlorotoluene	13.129	91	309762	18.943	ug/l	98
80) 1,3,5-Trimethylbenzene	13.182	105	351415	19.053	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.747	75	41877	18.326	ug/l	96
82) 4-Chlorotoluene	13.229	91	286630	18.790	ug/l	99
83) tert-Butylbenzene	13.447	119	288531	18.425	ug/l	95
84) 1,2,4-Trimethylbenzene	13.488	105	339245	18.936	ug/l	98
85) sec-Butylbenzene	13.623	105	360567	18.216	ug/l	98
86) p-Isopropyltoluene	13.735	119	289256	18.200	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	169109	18.870	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	162325	17.983	ug/l	97
89) n-Butylbenzene	14.059	91	210592	18.519	ug/l	98
90) Hexachloroethane	14.335	117	56777	18.929	ug/l	87
91) 1,2-Dichlorobenzene	14.112	146	169748	19.034	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	22973	19.381	ug/l	93
93) 1,2,4-Trichlorobenzene	15.394	180	42752	15.020	ug/l	96
94) Hexachlorobutadiene	15.511	225	30603	18.147	ug/l	98
95) Naphthalene	15.647	128	136394	14.017	ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	51646	15.780	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071323\
Data File : VN078492.D
Acq On : 13 Jul 2023 12:33
Operator : JC\MD
Sample : VN0713WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBSD01

Manual Integrations
APPROVED

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

Quant Time: Jul 14 01:31:07 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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071323\
Data File : VN078492.D
Acq On : 13 Jul 2023 12:33
Operator : JC\MD
Sample : VN0713WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBSD01

Manual Integrations
APPROVED

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

Quant Time: Jul 14 01:31:07 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

