

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071923\
 Data File : VN078575.D
 Acq On : 19 Jul 2023 13:00
 Operator : JC\MD
 Sample : VN0719WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/20/2023
 Supervised By : Mahesh Dadoda 07/20/2023

Quant Time: Jul 20 01:31:21 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	468667	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	807697	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	715132	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	280322	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	329105	52.380	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.760%			
35) Dibromofluoromethane	8.177	113	281241	51.294	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.580%			
50) Toluene-d8	10.571	98	1059948	51.174	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.340%			
62) 4-Bromofluorobenzene	12.853	95	322322	50.521	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.040%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	95675	16.650	ug/l	94
3) Chloromethane	2.371	50	120857	19.351	ug/l	93
4) Vinyl Chloride	2.518	62	143395	17.749	ug/l	97
5) Bromomethane	2.959	94	102440	16.739	ug/l	95
6) Chloroethane	3.124	64	96574	18.552	ug/l	98
7) Trichlorofluoromethane	3.506	101	179844	18.622	ug/l	97
8) Diethyl Ether	3.971	74	60658	18.851	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.383	101	95427	18.666	ug/l	94
10) Methyl Iodide	4.594	142	127322	18.123	ug/l #	94
11) Tert butyl alcohol	5.541	59	91048	93.975	ug/l #	83
12) 1,1-Dichloroethene	4.347	96	89807	18.160	ug/l #	83
13) Acrolein	4.195	56	83787	87.899	ug/l	94
14) Allyl chloride	5.042	41	134306	19.875	ug/l	95
15) Acrylonitrile	5.730	53	235814	96.332	ug/l	99
16) Acetone	4.436	43	187843	95.978	ug/l	93
17) Carbon Disulfide	4.724	76	225300	15.755	ug/l	99
18) Methyl Acetate	5.042	43	162373	19.598	ug/l #	87
19) Methyl tert-butyl Ether	5.806	73	311494	19.117	ug/l	99
20) Methylene Chloride	5.289	84	112100	19.216	ug/l	95
21) trans-1,2-Dichloroethene	5.789	96	104361	18.727	ug/l	90
22) Diisopropyl ether	6.683	45	307086	20.295	ug/l #	93
23) Vinyl Acetate	6.618	43	916073	95.233	ug/l #	90
24) 1,1-Dichloroethane	6.577	63	198215	19.441	ug/l	97
25) 2-Butanone	7.494	43	295686	95.976	ug/l #	85
26) 2,2-Dichloropropane	7.500	77	171435	20.558	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	122789	19.047	ug/l	91
28) Bromochloromethane	7.824	49	72047	15.003	ug/l	91
29) Tetrahydrofuran	7.847	42	193411	95.675	ug/l #	83
30) Chloroform	7.971	83	212718	20.040	ug/l	94
31) Cyclohexane	8.265	56	146251	17.224	ug/l	90
32) 1,1,1-Trichloroethane	8.177	97	186859	19.635	ug/l	97
36) 1,1-Dichloropropene	8.377	75	147273	18.603	ug/l	98
37) Ethyl Acetate	7.565	43	126060	19.101	ug/l #	96
38) Carbon Tetrachloride	8.365	117	166015	19.294	ug/l	98
39) Methylcyclohexane	9.606	83	133534	18.479	ug/l	92
40) Benzene	8.612	78	461155	19.662	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071923\
 Data File : VN078575.D
 Acq On : 19 Jul 2023 13:00
 Operator : JC\MD
 Sample : VN0719WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/20/2023
 Supervised By : Mahesh Dadoda 07/20/2023

Quant Time: Jul 20 01:31:21 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	64858	19.278	ug/l	95
42) 1,2-Dichloroethane	8.677	62	159180	19.953	ug/l	99
43) Isopropyl Acetate	8.694	43	226809	20.874	ug/l #	92
44) Trichloroethene	9.359	130	117706	18.620	ug/l	93
45) 1,2-Dichloropropane	9.629	63	123021	20.710	ug/l	95
46) Dibromomethane	9.712	93	82941	19.838	ug/l	92
47) Bromodichloromethane	9.894	83	169806	20.261	ug/l #	92
48) Methyl methacrylate	9.688	41	97974	19.463	ug/l	88
49) 1,4-Dioxane	9.700	88	41255	375.803	ug/l	90
51) 4-Methyl-2-Pentanone	10.453	43	641256	99.222	ug/l	93
52) Toluene	10.635	92	285893	19.667	ug/l	95
53) t-1,3-Dichloropropene	10.841	75	169842	19.781	ug/l	94
54) cis-1,3-Dichloropropene	10.318	75	187937	20.534	ug/l	96
55) 1,1,2-Trichloroethane	11.023	97	116810	20.395	ug/l	96
56) Ethyl methacrylate	10.882	69	160156	20.004	ug/l	91
57) 1,3-Dichloropropane	11.171	76	195461	20.072	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	232544	81.505	ug/l	94
59) 2-Hexanone	11.200	43	441666	96.156	ug/l	91
60) Dibromochloromethane	11.365	129	124342	19.666	ug/l	98
61) 1,2-Dibromoethane	11.471	107	119563	20.266	ug/l	94
64) Tetrachloroethene	11.112	164	96322	17.915	ug/l	97
65) Chlorobenzene	11.894	112	302964	18.953	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	118119	19.208	ug/l	95
67) Ethyl Benzene	11.970	91	520486	19.263	ug/l	100
68) m/p-Xylenes	12.076	106	406035	40.644	ug/l	99
69) o-Xylene	12.400	106	192978	19.125	ug/l	97
70) Styrene	12.418	104	311672	19.743	ug/l	98
71) Bromoform	12.582	173	78641	18.883	ug/l #	95
73) Isopropylbenzene	12.700	105	482098	18.303	ug/l	99
74) N-amyl acetate	12.500	43	162769	17.931	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.941	83	164114	20.479	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	126070m	18.606	ug/l	
77) Bromobenzene	12.982	156	117448	19.563	ug/l	96
78) n-propylbenzene	13.041	91	541000	19.205	ug/l	100
79) 2-Chlorotoluene	13.129	91	343389	18.610	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	398824	19.163	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	44891	17.410	ug/l	91
82) 4-Chlorotoluene	13.229	91	325770	18.926	ug/l	97
83) tert-Butylbenzene	13.441	119	334287	18.919	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	383096	18.951	ug/l	97
85) sec-Butylbenzene	13.617	105	423790	18.975	ug/l	99
86) p-Isopropyltoluene	13.735	119	351249	19.586	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	195330	19.317	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	185109	18.174	ug/l	99
89) n-Butylbenzene	14.059	91	247250	19.269	ug/l	97
90) Hexachloroethane	14.335	117	68260	20.223	ug/l	82
91) 1,2-Dichlorobenzene	14.112	146	190979	18.978	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	23960	17.763	ug/l	94
93) 1,2,4-Trichlorobenzene	15.400	180	49395	15.380	ug/l	92
94) Hexachlorobutadiene	15.506	225	35374	18.700	ug/l	95
95) Naphthalene	15.647	128	142117	12.944	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	59060	15.993	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071923\
Data File : VN078575.D
Acq On : 19 Jul 2023 13:00
Operator : JC\MD
Sample : VN0719WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/20/2023
Supervised By :Mahesh Dadoda 07/20/2023

Quant Time: Jul 20 01:31:21 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\VN071923\
 Data File : VN078575.D
 Acq On : 19 Jul 2023 13:00
 Operator : JC\MD
 Sample : VN0719WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD01

Manual Integrations APPROVED

Reviewed By : John Carlone 07/20/2023
 Supervised By : Mahesh Dadoda 07/20/2023

Quant Time: Jul 20 01:31:21 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

