

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021919\
 Data File : VN053858.D
 Acq On : 19 Feb 2019 10:14
 Operator : JC/SP
 Sample : VN0219WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/20/2019 10:14:53 AM

Quant Time: Feb 20 03:29:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	668981	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	983327	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	851742	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	405538	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	326657	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
35) Dibromofluoromethane	7.59	113	319876	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
50) Toluene-d8	10.09	98	1151285	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
62) 4-Bromofluorobenzene	12.40	95	384666	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	122455	16.465	ug/l	99
3) Chloromethane	2.06	50	131258	16.527	ug/l	100
4) Vinyl Chloride	2.19	62	141941	18.411	ug/l	100
5) Bromomethane	2.57	94	101514	20.138	ug/l	98
6) Chloroethane	2.71	64	89965	20.420	ug/l	97
7) Trichlorofluoromethane	3.02	101	204308	19.542	ug/l	97
8) Diethyl Ether	3.41	74	67868	17.775	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	124575	19.266	ug/l	97
10) Methyl Iodide	3.95	142	165153	16.273	ug/l	99
11) Tert butyl alcohol	4.77	59	38538	97.028	ug/l #	72
12) 1,1-Dichloroethene	3.74	96	108090	17.448	ug/l	98
13) Acrolein	3.61	56	16009	74.030	ug/l	96
14) Allyl chloride	4.33	41	170422	17.278	ug/l	97
15) Acrylonitrile	4.99	53	198588	92.617	ug/l	99
16) Acetone	3.81	43	177257	102.971	ug/l	97
17) Carbon Disulfide	4.06	76	287099	14.884	ug/l	99
18) Methyl Acetate	4.32	43	107789	21.143	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	300432	19.130	ug/l	99
20) Methylene Chloride	4.55	84	128897	17.848	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	117346	17.558	ug/l	96
22) Diisopropyl ether	5.95	45	342913	18.762	ug/l	98
23) Vinyl Acetate	5.89	43	1102259	87.180	ug/l	99
24) 1,1-Dichloroethane	5.85	63	222758	18.273	ug/l	99
25) 2-Butanone	6.83	43	235523	95.931	ug/l	99
26) 2,2-Dichloropropane	6.82	77	176991	19.020	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	144067	19.385	ug/l	97
28) Bromochloromethane	7.19	49	99421	18.794	ug/l	93
29) Tetrahydrofuran	7.21	42	147123	93.321	ug/l	96
30) Chloroform	7.37	83	232788	19.264	ug/l	99
31) Cyclohexane	7.65	56	198450	17.375	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	194807	19.371	ug/l	99
36) 1,1-Dichloropropene	7.79	75	165087	18.624	ug/l	98
37) Ethyl Acetate	6.93	43	98592	19.915	ug/l	98
38) Carbon Tetrachloride	7.77	117	172152	19.279	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021919\
 Data File : VN053858.D
 Acq On : 19 Feb 2019 10:14
 Operator : JC/SP
 Sample : VN0219WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/20/2019 10:14:53 AM

Quant Time: Feb 20 03:29:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	197290	18.760	ug/l	98
40) Benzene	8.04	78	534721	19.562	ug/l	100
41) Methacrylonitrile	7.17	41	50180	18.136	ug/l #	86
42) 1,2-Dichloroethane	8.12	62	155537	19.164	ug/l	100
43) Isopropyl Acetate	8.16	43	173323	18.129	ug/l	100
44) Trichloroethene	8.83	130	147245	18.921	ug/l	97
45) 1,2-Dichloropropane	9.12	63	143455	20.519	ug/l	98
46) Dibromomethane	9.21	93	84487	20.046	ug/l	96
47) Bromodichloromethane	9.40	83	179743	20.512	ug/l	99
48) Methyl methacrylate	9.20	41	82108	17.991	ug/l	92
49) 1,4-Dioxane	9.20	88	25981	416.624	ug/l #	93
51) 4-Methyl-2-Pentanone	9.98	43	460618	98.042	ug/l	100
52) Toluene	10.16	92	315578	19.453	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	172333	19.640	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	201873	19.415	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	121633	20.807	ug/l	99
56) Ethyl methacrylate	10.43	69	132735	19.194	ug/l	98
57) 1,3-Dichloropropane	10.71	76	198177	19.836	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	297560	75.166	ug/l	98
59) 2-Hexanone	10.75	43	300100	94.092	ug/l	99
60) Dibromochloromethane	10.90	129	134430	20.392	ug/l	98
61) 1,2-Dibromoethane	11.00	107	113025	19.534	ug/l	99
64) Tetrachloroethene	10.63	164	149993	20.543	ug/l	99
65) Chlorobenzene	11.43	112	354443	19.591	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	133669	21.155	ug/l	100
67) Ethyl Benzene	11.51	91	593412	19.967	ug/l	99
68) m/p-Xylenes	11.62	106	460932	40.636	ug/l	98
69) o-Xylene	11.95	106	227205	20.734	ug/l	99
70) Styrene	11.96	104	367680	20.701	ug/l	99
71) Bromoform	12.13	173	93123	21.498	ug/l #	100
73) Isopropylbenzene	12.25	105	601593	21.102	ug/l	100
74) N-amyl acetate	12.07	43	129135	18.837	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	134933	19.777	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	129802m	24.919	ug/l	
77) Bromobenzene	12.53	156	158399	20.616	ug/l	96
78) n-propylbenzene	12.59	91	687187	20.851	ug/l	100
79) 2-Chlorotoluene	12.67	91	403866	20.656	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	508224	21.498	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	34362	18.550	ug/l	96
82) 4-Chlorotoluene	12.77	91	406157	20.244	ug/l	99
83) tert-Butylbenzene	12.99	119	447484	21.417	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	519663	21.576	ug/l	98
85) sec-Butylbenzene	13.17	105	621573	21.861	ug/l	100
86) p-Isopropyltoluene	13.29	119	535687	21.542	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	275970	19.980	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	270807	19.821	ug/l	100
89) n-Butylbenzene	13.62	91	444153	20.635	ug/l	99
90) Hexachloroethane	13.87	117	92044	22.440	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	269914	20.413	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18424	18.947	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021919\
Data File : VN053858.D
Acq On : 19 Feb 2019 10:14
Operator : JC/SP
Sample : VN0219WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Manual Integrations
APPROVED

MMDadoda
2/20/2019 10:14:53 AM

Quant Time: Feb 20 03:29:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	138181	18.221	ug/l	98
94) Hexachlorobutadiene	15.01	225	107002	22.656	ug/l	99
95) Naphthalene	15.13	128	241269	14.809	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	133908	19.030	ug/l	99

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

