

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081819\
 Data File : VN057361.D
 Acq On : 16 Aug 2019 18:22
 Operator : JC/SP
 Sample : VN0818WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0818WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/19/2019 12:19:23 PM

Quant Time: Aug 19 09:15:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 11:33:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	865491	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1283113	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1130108	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	393958	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	484257	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
35) Dibromofluoromethane	7.58	113	439595	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	
50) Toluene-d8	10.08	98	1632758	53.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.14%	
62) 4-Bromofluorobenzene	12.40	95	511041	47.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	136244	18.294	ug/l	98
3) Chloromethane	2.05	50	156754	17.832	ug/l	99
4) Vinyl Chloride	2.18	62	153402	18.549	ug/l	98
5) Bromomethane	2.54	94	121512m	20.612	ug/l	
6) Chloroethane	2.69	64	104185	18.314	ug/l	98
7) Trichlorofluoromethane	3.02	101	248014	19.119	ug/l	97
8) Diethyl Ether	3.40	74	94578	19.371	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	148144	19.438	ug/l	98
10) Methyl Iodide	3.95	142	233190	19.141	ug/l	99
11) Tert butyl alcohol	4.76	59	120837	90.339	ug/l	98
12) 1,1-Dichloroethene	3.73	96	148473	19.552	ug/l	95
13) Acrolein	3.60	56	55176	67.950	ug/l	100
14) Allyl chloride	4.32	41	222989	18.319	ug/l	98
15) Acrylonitrile	4.97	53	347687	95.743	ug/l	99
16) Acetone	3.81	43	267383	81.921	ug/l	99
17) Carbon Disulfide	4.05	76	375281	18.344	ug/l	99
18) Methyl Acetate	4.31	43	170673	18.022	ug/l	95
19) Methyl tert-butyl Ether	5.03	73	463049	19.433	ug/l	97
20) Methylene Chloride	4.54	84	173180	18.964	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	155716	19.068	ug/l	98
22) Diisopropyl ether	5.93	45	460411	19.147	ug/l	96
23) Vinyl Acetate	5.88	43	1828050	94.461	ug/l	98
24) 1,1-Dichloroethane	5.84	63	283750	19.180	ug/l	99
25) 2-Butanone	6.82	43	425647	90.056	ug/l	95
26) 2,2-Dichloropropane	6.81	77	223870	18.725	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	184195	19.052	ug/l	99
28) Bromochloromethane	7.18	49	108104	16.446	ug/l #	96
29) Tetrahydrofuran	7.20	42	278473	93.099	ug/l	98
30) Chloroform	7.36	83	297617	19.197	ug/l	99
31) Cyclohexane	7.65	56	237612	18.534	ug/l	93
32) 1,1,1-Trichloroethane	7.56	97	258535	19.827	ug/l	98
36) 1,1-Dichloropropene	7.78	75	212765	18.780	ug/l	100
37) Ethyl Acetate	6.91	43	179840	19.381	ug/l	99
38) Carbon Tetrachloride	7.77	117	228843	19.441	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081819\
 Data File : VN057361.D
 Acq On : 16 Aug 2019 18:22
 Operator : JC/SP
 Sample : VN0818WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0818WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/19/2019 12:19:23 PM

Quant Time: Aug 19 09:15:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 11:33:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	250826	18.961	ug/l	99
40) Benzene	8.03	78	663371	19.144	ug/l	98
41) Methacrylonitrile	7.16	41	83259	19.925	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	216395	18.869	ug/l	99
43) Isopropyl Acetate	8.16	43	306983	17.354	ug/l	97
44) Trichloroethene	8.83	130	192108	19.720	ug/l	98
45) 1,2-Dichloropropane	9.11	63	169443	18.971	ug/l	97
46) Dibromomethane	9.20	93	117800	19.770	ug/l	99
47) Bromodichloromethane	9.40	83	225030	19.061	ug/l	99
48) Methyl methacrylate	9.19	41	144308	18.886	ug/l	99
49) 1,4-Dioxane	9.19	88	59661	371.286	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	896045	93.605	ug/l	100
52) Toluene	10.15	92	425390	19.723	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	245107	19.194	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	271249	19.262	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	168254	19.839	ug/l	99
56) Ethyl methacrylate	10.43	69	236698	19.125	ug/l	98
57) 1,3-Dichloropropane	10.71	76	271860	19.188	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	248941	79.934	ug/l	100
59) 2-Hexanone	10.75	43	618706	89.902	ug/l	98
60) Dibromochloromethane	10.90	129	191453	20.144	ug/l	99
61) 1,2-Dibromoethane	11.00	107	176483	19.535	ug/l	98
64) Tetrachloroethene	10.63	164	200738	20.547	ug/l	99
65) Chlorobenzene	11.43	112	457092	19.831	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	180021	20.394	ug/l	99
67) Ethyl Benzene	11.51	91	788033	19.542	ug/l	99
68) m/p-Xylenes	11.62	106	583508	39.274	ug/l	98
69) o-Xylene	11.95	106	288807	19.798	ug/l	100
70) Styrene	11.96	104	452515	19.460	ug/l	99
71) Bromoform	12.13	173	140172	20.128	ug/l #	99
73) Isopropylbenzene	12.25	105	772158	22.805	ug/l	99
74) N-amyl acetate	12.07	43	222612	19.473	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	216841	22.282	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	177911m	21.889	ug/l	
77) Bromobenzene	12.53	156	200818	22.599	ug/l	97
78) n-propylbenzene	12.59	91	756141	19.931	ug/l	100
79) 2-Chlorotoluene	12.67	91	486330	22.132	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	624642	22.282	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	64134	19.851	ug/l	98
82) 4-Chlorotoluene	12.77	91	434975	19.349	ug/l	98
83) tert-Butylbenzene	12.99	119	565563	22.623	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	584423	20.596	ug/l	100
85) sec-Butylbenzene	13.17	105	666100	21.487	ug/l	100
86) p-Isopropyltoluene	13.29	119	588150	20.245	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	279999	20.285	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	259147	19.778	ug/l	99
89) n-Butylbenzene	13.62	91	445010	21.487	ug/l	99
90) Hexachloroethane	13.88	117	115596	22.095	ug/l	95
91) 1,2-Dichlorobenzene	13.66	146	262991	20.439	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24004	17.087	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081819\
Data File : VN057361.D
Acq On : 16 Aug 2019 18:22
Operator : JC/SP
Sample : VN0818WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0818WBS01

Manual Integrations
APPROVED

MMDadoda
8/19/2019 12:19:23 PM

Quant Time: Aug 19 09:15:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 15 11:33:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	62903	16.271	ug/l	97
94) Hexachlorobutadiene	15.01	225	121729	22.158	ug/l	96
95) Naphthalene	15.13	128	124512	19.565	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	61015	19.401	ug/l	98

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

