

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020819\
 Data File : VN053688.D
 Acq On : 8 Feb 2019 18:12
 Operator : JC/SP
 Sample : VN0208WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0208WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/11/2019 9:49:55 AM

Quant Time: Feb 09 03:32:47 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	707222	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1126768	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	965319	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	449590	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	378651	53.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.74%	
35) Dibromofluoromethane	7.59	113	362445	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
50) Toluene-d8	10.09	98	1312915	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
62) 4-Bromofluorobenzene	12.40	95	439316	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	147655	18.732	ug/l	100
3) Chloromethane	2.06	50	168779	20.102	ug/l	98
4) Vinyl Chloride	2.19	62	165507	20.306	ug/l	99
5) Bromomethane	2.57	94	122961	23.073	ug/l	98
6) Chloroethane	2.71	64	113694	24.410	ug/l	98
7) Trichlorofluoromethane	3.02	101	221852	20.072	ug/l	98
8) Diethyl Ether	3.41	74	86518	21.434	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	134159	19.627	ug/l	99
10) Methyl Iodide	3.96	142	206899	19.284	ug/l	99
11) Tert butyl alcohol	4.78	59	50405	120.044	ug/l #	90
12) 1,1-Dichloroethene	3.74	96	132843	20.284	ug/l	98
13) Acrolein	3.61	56	16421	71.829	ug/l	96
14) Allyl chloride	4.33	41	211265	20.260	ug/l	99
15) Acrylonitrile	4.99	53	256501	113.157	ug/l	99
16) Acetone	3.82	43	170880	93.899	ug/l	99
17) Carbon Disulfide	4.06	76	358502	17.580	ug/l	100
18) Methyl Acetate	4.33	43	126626	23.495	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	371203	22.359	ug/l	100
20) Methylene Chloride	4.55	84	177124	23.199	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	139566	19.753	ug/l	97
22) Diisopropyl ether	5.95	45	415480	21.504	ug/l	94
23) Vinyl Acetate	5.90	43	1436937	107.506	ug/l	99
24) 1,1-Dichloroethane	5.85	63	268667	20.848	ug/l	100
25) 2-Butanone	6.84	43	271088	104.446	ug/l	98
26) 2,2-Dichloropropane	6.82	77	179667	18.263	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	163213	20.774	ug/l	98
28) Bromochloromethane	7.20	49	121090	21.652	ug/l	97
29) Tetrahydrofuran	7.21	42	190965	114.581	ug/l	98
30) Chloroform	7.37	83	262528	20.550	ug/l	98
31) Cyclohexane	7.65	56	232785	19.297	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	216731	20.386	ug/l	99
36) 1,1-Dichloropropene	7.79	75	197242	19.419	ug/l	98
37) Ethyl Acetate	6.93	43	128746	22.695	ug/l	100
38) Carbon Tetrachloride	7.78	117	190305	18.599	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020819\
 Data File : VN053688.D
 Acq On : 8 Feb 2019 18:12
 Operator : JC/SP
 Sample : VN0208WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0208WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/11/2019 9:49:55 AM

Quant Time: Feb 09 03:32:47 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	215709	17.901	ug/l	99
40) Benzene	8.04	78	614275	19.612	ug/l	98
41) Methacrylonitrile	7.17	41	61311	19.338	ug/l #	86
42) 1,2-Dichloroethane	8.12	62	180483	19.406	ug/l	98
43) Isopropyl Acetate	8.17	43	229363	20.936	ug/l	97
44) Trichloroethene	8.84	130	165175	18.523	ug/l	98
45) 1,2-Dichloropropane	9.12	63	162267	20.255	ug/l	99
46) Dibromomethane	9.21	93	95475	19.770	ug/l	98
47) Bromodichloromethane	9.40	83	196403	19.560	ug/l	98
48) Methyl methacrylate	9.20	41	108982	20.840	ug/l	99
49) 1,4-Dioxane	9.20	88	31513	438.715	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	585658	108.788	ug/l	99
52) Toluene	10.16	92	365043	19.637	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	192510	19.146	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	231103	19.396	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	134898	20.138	ug/l	99
56) Ethyl methacrylate	10.43	69	167878	21.185	ug/l	97
57) 1,3-Dichloropropane	10.71	76	230194	20.107	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	383179	83.480	ug/l	98
59) 2-Hexanone	10.75	43	362950	99.311	ug/l	99
60) Dibromochloromethane	10.90	129	148941	19.717	ug/l	99
61) 1,2-Dibromoethane	11.01	107	130934	19.749	ug/l	100
64) Tetrachloroethene	10.63	164	154292	18.646	ug/l	98
65) Chlorobenzene	11.43	112	398158	19.418	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	144597	20.192	ug/l	99
67) Ethyl Benzene	11.51	91	661646	19.644	ug/l	99
68) m/p-Xylenes	11.62	106	511067	39.755	ug/l	99
69) o-Xylene	11.95	106	250833	20.197	ug/l	99
70) Styrene	11.96	104	407823	20.260	ug/l	99
71) Bromoform	12.13	173	100937	20.560	ug/l #	100
73) Isopropylbenzene	12.25	105	655150	20.729	ug/l	100
74) N-amyl acetate	12.07	43	165062	21.718	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	162040	21.422	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	120899m	20.936	ug/l	
77) Bromobenzene	12.53	156	175469	20.600	ug/l	98
78) n-propylbenzene	12.59	91	743584	20.352	ug/l	100
79) 2-Chlorotoluene	12.68	91	445135	20.536	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	554080	21.141	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	41374	20.147	ug/l	99
82) 4-Chlorotoluene	12.77	91	445774	20.041	ug/l	99
83) tert-Butylbenzene	12.99	119	495509	21.391	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	559955	20.971	ug/l	100
85) sec-Butylbenzene	13.17	105	666041	21.130	ug/l	100
86) p-Isopropyltoluene	13.29	119	574557	20.841	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	297216	19.410	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	293980	19.409	ug/l	100
89) n-Butylbenzene	13.62	91	465375	19.503	ug/l	100
90) Hexachloroethane	13.88	117	94341	20.747	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	298377	20.354	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23887	22.159	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020819\
Data File : VN053688.D
Acq On : 8 Feb 2019 18:12
Operator : JC/SP
Sample : VN0208WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0208WBSD01

Manual Integrations
APPROVED

MMDadoda
2/11/2019 9:49:55 AM

Quant Time: Feb 09 03:32:47 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	159603	18.983	ug/l	99
94) Hexachlorobutadiene	15.01	225	104132	19.888	ug/l	100
95) Naphthalene	15.13	128	349225	18.805	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	155667	19.955	ug/l	99

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

