

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072318\
 Data File : VN050002.D
 Acq On : 23 Jul 2018 10:17
 Operator : MD\SY
 Sample : VN0723WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0723WBS01

Manual Integrations
 APPROVED

sam
 7/24/2018 5:46:46 PM

Quant Time: Jul 24 05:03:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 01:58:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	583819	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	865547	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	777593	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	399478	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	385179	48.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.00%	
35) Dibromofluoromethane	7.59	113	341995	47.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.14%	
50) Toluene-d8	10.09	98	1236256	46.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.40%	
62) 4-Bromofluorobenzene	12.40	95	412771	45.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.54%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.85	85	95841	17.06	ug/l	99
3) Chloromethane	2.06	50	123578	15.51	ug/l	99
4) Vinyl Chloride	2.18	62	139119	16.37	ug/l	99
5) Bromomethane	2.56	94	91448	18.02	ug/l	98
6) Chloroethane	2.70	64	92634	16.69	ug/l	98
7) Trichlorofluoromethane	3.01	101	201249	17.22	ug/l	96
8) Diethyl Ether	3.41	74	74085	18.17	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	128498	17.84	ug/l	99
10) Methyl Iodide	3.95	142	129606	13.41	ug/l	98
11) Tert butyl alcohol	4.81	59	50139	87.71	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	108298	17.11	ug/l	99
13) Acrolein	3.61	56	19409	52.69	ug/l	94
14) Allyl chloride	4.32	41	179262	17.97	ug/l	98
15) Acrylonitrile	4.99	53	228735	90.98	ug/l	100
16) Acetone	3.82	43	189180	91.06	ug/l	98
17) Carbon Disulfide	4.04	76	277426	14.65	ug/l	100
18) Methyl Acetate	4.33	43	140201	21.00	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	332669	19.10	ug/l	98
20) Methylene Chloride	4.55	84	135589	17.16	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	117712	17.51	ug/l	99
22) Diisopropyl ether	5.96	45	401326	19.71	ug/l	99
23) Vinyl Acetate	5.90	43	1297957	90.85	ug/l	99
24) 1,1-Dichloroethane	5.85	63	242265	18.53	ug/l	100
25) 2-Butanone	6.84	43	277786	93.56	ug/l	97
26) 2,2-Dichloropropane	6.82	77	205557	20.21	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	137795	18.68	ug/l	98
28) Bromochloromethane	7.19	49	119472	20.24	ug/l	98
29) Tetrahydrofuran	7.22	42	173280	92.64	ug/l	99
30) Chloroform	7.37	83	250660	18.68	ug/l	100
31) Cyclohexane	7.65	56	185695	17.45	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	209827	18.09	ug/l	98
36) 1,1-Dichloropropene	7.79	75	172596	17.93	ug/l	100
37) Ethyl Acetate	6.93	43	118638	17.95	ug/l	100
38) Carbon Tetrachloride	7.77	117	184870	17.93	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072318\
 Data File : VN050002.D
 Acq On : 23 Jul 2018 10:17
 Operator : MD\SY
 Sample : VN0723WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0723WBS01

Manual Integrations
 APPROVED

sam
 7/24/2018 5:46:46 PM

Quant Time: Jul 24 05:03:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 01:58:39 2018
 Response via : Initial Calibration

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

39) Methylcyclohexane	9.08	83	171733	17.27	ug/l	97
40) Benzene	8.04	78	537371	18.32	ug/l	100
41) Methacrylonitrile	7.18	41	56351	17.01	ug/l #	84
42) 1,2-Dichloroethane	8.13	62	179906	18.52	ug/l	100
43) Isopropyl Acetate	8.17	43	215077	18.63	ug/l	97
44) Trichloroethene	8.83	130	142611	18.54	ug/l	99
45) 1,2-Dichloropropane	9.12	63	147551	18.65	ug/l	99
46) Dibromomethane	9.21	93	90363	18.41	ug/l	98
47) Bromodichloromethane	9.40	83	192476	18.96	ug/l	96
48) Methyl methacrylate	9.20	41	101466	17.52	ug/l	100
49) 1,4-Dioxane	9.20	88	28168	342.85	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	607246	94.09	ug/l	99
52) Toluene	10.16	92	336468	19.23	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	185046	18.44	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	213307	19.23	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	133569	18.48	ug/l	99
56) Ethyl methacrylate	10.43	69	154420	17.38	ug/l	98
57) 1,3-Dichloropropane	10.71	76	212372	18.66	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	382865	90.39	ug/l	99
59) 2-Hexanone	10.75	43	402383	92.82	ug/l	99
60) Dibromochloromethane	10.90	129	145466	18.35	ug/l	100
61) 1,2-Dibromoethane	11.01	107	121504	17.99	ug/l	97
64) Tetrachloroethene	10.63	164	136676	19.56	ug/l	99
65) Chlorobenzene	11.44	112	365415	18.70	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	141730	18.73	ug/l	99
67) Ethyl Benzene	11.51	91	595168	18.78	ug/l	99
68) m/p-Xylenes	11.62	106	462125	38.52	ug/l	99
69) o-Xylene	11.95	106	220432	19.13	ug/l	98
70) Styrene	11.97	104	366905	19.66	ug/l	99
71) Bromoform	12.13	173	99757	18.43	ug/l #	99
73) Isopropylbenzene	12.25	105	593836	19.57	ug/l	100
74) N-amyl acetate	12.07	43	166049	17.98	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	164736	18.12	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	139358m	18.60	ug/l	
77) Bromobenzene	12.53	156	156146	18.63	ug/l	97
78) n-propylbenzene	12.59	91	696796	20.20	ug/l	100
79) 2-Chlorotoluene	12.68	91	425610	20.09	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	499342	20.53	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	41762	17.43	ug/l	95
82) 4-Chlorotoluene	12.77	91	422550	19.88	ug/l	99
83) tert-Butylbenzene	12.99	119	427471	20.01	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	514903	20.90	ug/l	99
85) sec-Butylbenzene	13.17	105	584338	20.70	ug/l	99
86) p-Isopropyltoluene	13.29	119	498642	20.72	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	281066	19.25	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	274591	18.76	ug/l	100
89) n-Butylbenzene	13.62	91	394040	19.83	ug/l	98
90) Hexachloroethane	13.88	117	96089	17.79	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	277166	19.31	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24266	17.28	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072318\
Data File : VN050002.D
Acq On : 23 Jul 2018 10:17
Operator : MD\SY
Sample : VN0723WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0723WBS01

Manual Integrations
APPROVED

sam
7/24/2018 5:46:46 PM

Quant Time: Jul 24 05:03:25 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 19 01:58:39 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	122027	17.82	ug/l	98
94) Hexachlorobutadiene	15.01	225	89990	19.13	ug/l	99
95) Naphthalene	15.14	128	239562	16.02	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	129272	18.77	ug/l	99

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

