

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072618\
 Data File : VN050077.D
 Acq On : 26 Jul 2018 13:02
 Operator : MD\SY
 Sample : VN0726WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/27/2018 12:15:34 PM

Quant Time: Jul 27 01:50:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	577507	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	877953	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	786849	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	383573	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	414795	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
35) Dibromofluoromethane	7.59	113	361317	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
50) Toluene-d8	10.09	98	1281337	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	
62) 4-Bromofluorobenzene	12.40	95	409875	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	159108	19.17	ug/l	99
3) Chloromethane	2.06	50	167900	18.61	ug/l	99
4) Vinyl Chloride	2.18	62	169328	17.83	ug/l	97
5) Bromomethane	2.56	94	106955	19.67	ug/l	99
6) Chloroethane	2.70	64	102255	17.93	ug/l	96
7) Trichlorofluoromethane	3.01	101	222220	18.06	ug/l	99
8) Diethyl Ether	3.41	74	80770	19.69	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	134029	18.11	ug/l	99
10) Methyl Iodide	3.95	142	170676	17.97	ug/l	99
11) Tert butyl alcohol	4.80	59	58243	98.24	ug/l	99
12) 1,1-Dichloroethene	3.73	96	117791	17.70	ug/l	99
13) Acrolein	3.61	56	34441	72.30	ug/l	99
14) Allyl chloride	4.32	41	193631	18.76	ug/l	99
15) Acrylonitrile	5.00	53	254846	98.53	ug/l	99
16) Acetone	3.82	43	202068	103.93	ug/l	99
17) Carbon Disulfide	4.05	76	351426	17.23	ug/l	99
18) Methyl Acetate	4.33	43	168637	21.93	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	361269	20.37	ug/l	98
20) Methylene Chloride	4.55	84	147530	19.90	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	129937	18.42	ug/l	99
22) Diisopropyl ether	5.96	45	424003	20.72	ug/l	96
23) Vinyl Acetate	5.90	43	1436431	99.32	ug/l	98
24) 1,1-Dichloroethane	5.85	63	255148	19.07	ug/l	99
25) 2-Butanone	6.84	43	300890	97.90	ug/l	99
26) 2,2-Dichloropropane	6.83	77	197386	19.39	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	148772	19.60	ug/l	99
28) Bromochloromethane	7.20	49	119566	19.59	ug/l	99
29) Tetrahydrofuran	7.22	42	196028	98.71	ug/l	99
30) Chloroform	7.37	83	263582	19.30	ug/l	100
31) Cyclohexane	7.66	56	197244	17.73	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	214840	18.39	ug/l	99
36) 1,1-Dichloropropene	7.79	75	180119	18.21	ug/l	99
37) Ethyl Acetate	6.94	43	135865	19.70	ug/l	99
38) Carbon Tetrachloride	7.78	117	189467	18.05	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072618\
 Data File : VN050077.D
 Acq On : 26 Jul 2018 13:02
 Operator : MD\SY
 Sample : VN0726WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/27/2018 12:15:34 PM

Quant Time: Jul 27 01:50:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	175957	17.29	ug/l	99
40) Benzene	8.04	78	574246	19.08	ug/l	99
41) Methacrylonitrile	7.18	41	50606	16.06	ug/l	91
42) 1,2-Dichloroethane	8.13	62	195401	19.46	ug/l	99
43) Isopropyl Acetate	8.17	43	272370	20.28	ug/l	95
44) Trichloroethene	8.84	130	145390	17.98	ug/l	99
45) 1,2-Dichloropropane	9.12	63	154182	19.34	ug/l	96
46) Dibromomethane	9.21	93	96400	19.47	ug/l	98
47) Bromodichloromethane	9.40	83	200631	19.20	ug/l	99
48) Methyl methacrylate	9.20	41	115791	19.50	ug/l	99
49) 1,4-Dioxane	9.20	88	32268	399.22	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	675963	99.71	ug/l	99
52) Toluene	10.16	92	344555	19.39	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	191738	19.45	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	220108	19.54	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	139527	19.80	ug/l	99
56) Ethyl methacrylate	10.43	69	162048	18.32	ug/l	98
57) 1,3-Dichloropropane	10.71	76	230304	20.07	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	388235	92.60	ug/l	100
59) 2-Hexanone	10.75	43	431028	89.91	ug/l	99
60) Dibromochloromethane	10.90	129	153758	19.71	ug/l	99
61) 1,2-Dibromoethane	11.01	107	132610	18.97	ug/l	98
64) Tetrachloroethene	10.63	164	142565	18.85	ug/l	99
65) Chlorobenzene	11.44	112	367460	18.49	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	145590	19.06	ug/l	98
67) Ethyl Benzene	11.51	91	599688	18.78	ug/l	100
68) m/p-Xylenes	11.63	106	463611	38.39	ug/l	100
69) o-Xylene	11.95	106	224059	19.46	ug/l	99
70) Styrene	11.97	104	356339	18.01	ug/l	100
71) Bromoform	12.13	173	105821	19.05	ug/l #	100
73) Isopropylbenzene	12.25	105	585310	19.68	ug/l	100
74) N-amyl acetate	12.07	43	172342	18.96	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	174731	20.96	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	137439m	19.28	ug/l	
77) Bromobenzene	12.53	156	157240	19.07	ug/l	98
78) n-propylbenzene	12.59	91	657784	19.78	ug/l	99
79) 2-Chlorotoluene	12.68	91	409100	19.85	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	487368	20.83	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	44375	19.74	ug/l	96
82) 4-Chlorotoluene	12.78	91	403421	19.77	ug/l	99
83) tert-Butylbenzene	12.99	119	403959	19.78	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	489631	20.76	ug/l	99
85) sec-Butylbenzene	13.17	105	540240	19.80	ug/l	100
86) p-Isopropyltoluene	13.29	119	456451	19.85	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	266799	19.09	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	254165	18.66	ug/l	99
89) n-Butylbenzene	13.62	91	343553	18.17	ug/l	99
90) Hexachloroethane	13.88	117	92413	18.10	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	267924	19.18	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26526	19.52	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072618\
Data File : VN050077.D
Acq On : 26 Jul 2018 13:02
Operator : MD\SY
Sample : VN0726WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBSD01

Manual Integrations
APPROVED

MMDadoda
7/27/2018 12:15:34 PM

Quant Time: Jul 27 01:50:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	104821	16.36	ug/l	98
94) Hexachlorobutadiene	15.01	225	77601	18.14	ug/l	99
95) Naphthalene	15.14	128	222322	15.99	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	113395	17.22	ug/l	99

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

