

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090418\
 Data File : VN051014.D
 Acq On : 4 Sep 2018 13:02
 Operator : MD\SY
 Sample : VN0904WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/5/2018 12:00:33 PM

Quant Time: Sep 05 01:41:06 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	603475	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	865599	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	772676	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	360324	50.00	ug/l	0.00

MMDadoda

9/5/2018 12:00:33 PM

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	358199	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
35) Dibromofluoromethane	7.59	113	343197	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
50) Toluene-d8	10.09	98	1259138	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
62) 4-Bromofluorobenzene	12.40	95	394582	46.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.24%	

MMDadoda

9/5/2018 12:00:33 PM

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	141120	17.47	ug/l	100
3) Chloromethane	2.06	50	164990	16.56	ug/l	99
4) Vinyl Chloride	2.18	62	166325	17.63	ug/l	99
5) Bromomethane	2.56	94	91431	16.33	ug/l	98
6) Chloroethane	2.70	64	97418	17.87	ug/l	100
7) Trichlorofluoromethane	3.01	101	224830	18.61	ug/l	98
8) Diethyl Ether	3.41	74	77381	18.83	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	137094	18.16	ug/l	98
10) Methyl Iodide	3.95	142	93606	18.68	ug/l	98
11) Tert butyl alcohol	4.79	59	45840	99.09	ug/l	100
12) 1,1-Dichloroethene	3.74	96	124729	18.40	ug/l	98
13) Acrolein	3.61	56	28044	114.29	ug/l	99
14) Allyl chloride	4.32	41	190515	18.04	ug/l	98
15) Acrylonitrile	5.00	53	227981	96.97	ug/l	99
16) Acetone	3.82	43	155841	85.95	ug/l	97
17) Carbon Disulfide	4.05	76	353288	15.55	ug/l	100
18) Methyl Acetate	4.33	43	158464	23.10	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	333355	19.55	ug/l	99
20) Methylene Chloride	4.55	84	147727	18.04	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	130158	17.75	ug/l	98
22) Diisopropyl ether	5.96	45	420452	19.98	ug/l	99
23) Vinyl Acetate	5.90	43	1223808	90.29	ug/l	99
24) 1,1-Dichloroethane	5.85	63	252398	18.68	ug/l	99
25) 2-Butanone	6.84	43	246781	84.29	ug/l	99
26) 2,2-Dichloropropane	6.83	77	181374	16.70	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	150906	19.09	ug/l	97
28) Bromochloromethane	7.20	49	110294	19.21	ug/l	96
29) Tetrahydrofuran	7.22	42	169227	100.81	ug/l	99
30) Chloroform	7.37	83	254945	19.05	ug/l	99
31) Cyclohexane	7.66	56	210703	17.46	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	215140	18.72	ug/l	99
36) 1,1-Dichloropropene	7.80	75	186084	18.22	ug/l	100
37) Ethyl Acetate	6.93	43	113399	19.33	ug/l	99
38) Carbon Tetrachloride	7.78	117	192966	18.69	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090418\
 Data File : VN051014.D
 Acq On : 4 Sep 2018 13:02
 Operator : MD\SY
 Sample : VN0904WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/5/2018 12:00:33 PM

9/5/2018 12:00:33 PM

Quant Time: Sep 05 01:41:06 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

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

39) Methylcyclohexane	9.08	83	186891	16.91	ug/l	98
40) Benzene	8.04	78	581389	18.88	ug/l	100
41) Methacrylonitrile	7.18	41	47967	15.11	ug/l #	82
42) 1,2-Dichloroethane	8.13	62	177146	19.24	ug/l	100
43) Isopropyl Acetate	8.17	43	197076	19.53	ug/l	100
44) Trichloroethene	8.84	130	153725	18.92	ug/l	94
45) 1,2-Dichloropropane	9.12	63	152516	18.84	ug/l	100
46) Dibromomethane	9.21	93	90867	19.10	ug/l	98
47) Bromodichloromethane	9.41	83	191178	19.19	ug/l	99
48) Methyl methacrylate	9.20	41	93289	18.14	ug/l	95
49) 1,4-Dioxane	9.20	88	27544	392.98	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	571936	95.00	ug/l	100
52) Toluene	10.16	92	353808	19.39	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	178950	18.05	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	211517	18.63	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	132799	19.61	ug/l	99
56) Ethyl methacrylate	10.43	69	147529	18.31	ug/l	100
57) 1,3-Dichloropropane	10.71	76	216073	19.33	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	301702	86.87	ug/l	99
59) 2-Hexanone	10.75	43	355942	88.81	ug/l	100
60) Dibromochloromethane	10.90	129	147069	19.40	ug/l	100
61) 1,2-Dibromoethane	11.01	107	124229	18.97	ug/l	99
64) Tetrachloroethene	10.63	164	141823	19.32	ug/l	98
65) Chlorobenzene	11.44	112	381175	18.87	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	144571	19.56	ug/l	99
67) Ethyl Benzene	11.51	91	613986	18.70	ug/l	99
68) m/p-Xylenes	11.62	106	484182	38.85	ug/l	100
69) o-Xylene	11.95	106	231059	19.28	ug/l	100
70) Styrene	11.97	104	362232	17.99	ug/l	100
71) Bromoform	12.13	173	100152	19.71	ug/l #	99
73) Isopropylbenzene	12.25	105	609164	20.42	ug/l	99
74) N-amyl acetate	12.07	43	140835	18.79	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	163488	22.07	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	130128m	20.62	ug/l	
77) Bromobenzene	12.53	156	159222	19.64	ug/l	99
78) n-propylbenzene	12.59	91	671302	20.14	ug/l	99
79) 2-Chlorotoluene	12.68	91	416538	20.06	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	502414	20.87	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	34468	18.46	ug/l	96
82) 4-Chlorotoluene	12.77	91	403070	19.67	ug/l	100
83) tert-Butylbenzene	12.99	119	441974	21.20	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	503011	20.77	ug/l	99
85) sec-Butylbenzene	13.17	105	560348	20.51	ug/l	99
86) p-Isopropyltoluene	13.29	119	473621	20.35	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	261607	19.01	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	250572	18.50	ug/l	100
89) n-Butylbenzene	13.62	91	336535	18.08	ug/l	99
90) Hexachloroethane	13.88	117	91776	20.79	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	259107	19.52	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20192	18.84	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090418\
Data File : VN051014.D
Acq On : 4 Sep 2018 13:02
Operator : MD\SY
Sample : VN0904WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0904WBSD01

Manual Integrations
APPROVED

MMDadoda
9/5/2018 12:00:33 PM

9/5/2018 12:00:33 PM

Quant Time: Sep 05 01:41:06 2018
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 05:38:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	92005	16.32	ug/l	98
94) Hexachlorobutadiene	15.01	225	81490	20.04	ug/l	99
95) Naphthalene	15.14	128	171416	16.02	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	96247	17.18	ug/l	99

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

