

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110118\
 Data File : VN052106.D
 Acq On : 1 Nov 2018 16:42
 Operator : MD\SY
 Sample : VN1101WBS02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS02

Manual Integrations
 APPROVED

MMDadoda
 11/2/2018 9:21:36 AM

Quant Time: Nov 02 07:27:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:45:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	315973	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	561424	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	507375	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	213947	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	213548	42.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.24%	
35) Dibromofluoromethane	7.60	113	174102	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
50) Toluene-d8	10.09	98	676909	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
62) 4-Bromofluorobenzene	12.40	95	229968	44.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	77835	20.266	ug/l	97
3) Chloromethane	2.06	50	89903	18.573	ug/l	98
4) Vinyl Chloride	2.19	62	89069	17.096	ug/l	97
5) Bromomethane	2.57	94	65166	16.674	ug/l	95
6) Chloroethane	2.71	64	57436	17.075	ug/l	91
7) Trichlorofluoromethane	3.02	101	120159	20.195	ug/l	99
8) Diethyl Ether	3.42	74	42831	19.298	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.76	101	72047	20.526	ug/l	98
10) Methyl Iodide	3.95	142	87868	19.102	ug/l	99
11) Tert butyl alcohol	4.78	59	26478	104.282	ug/l #	89
12) 1,1-Dichloroethene	3.74	96	62756	18.932	ug/l	95
13) Acrolein	3.61	56	18526	89.605	ug/l	93
14) Allyl chloride	4.33	41	112960	17.028	ug/l	96
15) Acrylonitrile	4.99	53	132071	90.986	ug/l	99
16) Acetone	3.82	43	96716	89.361	ug/l	95
17) Carbon Disulfide	4.06	76	174980	16.752	ug/l	97
18) Methyl Acetate	4.33	43	63202	18.344	ug/l	94
19) Methyl tert-butyl Ether	5.05	73	190410	17.488	ug/l	98
20) Methylene Chloride	4.56	84	77910	18.892	ug/l	93
21) trans-1,2-Dichloroethene	5.05	96	70265	18.590	ug/l	92
22) Diisopropyl ether	5.96	45	243227	16.963	ug/l	99
23) Vinyl Acetate	5.90	43	865999	87.169	ug/l	98
24) 1,1-Dichloroethane	5.86	63	138971	17.333	ug/l	98
25) 2-Butanone	6.84	43	159512	93.966	ug/l	95
26) 2,2-Dichloropropane	6.83	77	104858	16.468	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	84064	18.624	ug/l	93
28) Bromochloromethane	7.20	49	66023	16.617	ug/l	91
29) Tetrahydrofuran	7.22	42	105222	93.039	ug/l	96
30) Chloroform	7.37	83	146124	18.259	ug/l	98
31) Cyclohexane	7.66	56	130743	15.560	ug/l	90
32) 1,1,1-Trichloroethane	7.57	97	119981	18.641	ug/l	97
36) 1,1-Dichloropropene	7.80	75	101622	17.802	ug/l	94
37) Ethyl Acetate	6.93	43	74075	19.387	ug/l #	92
38) Carbon Tetrachloride	7.78	117	102008	20.724	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110118\
 Data File : VN052106.D
 Acq On : 1 Nov 2018 16:42
 Operator : MD\SY
 Sample : VN1101WBS02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1101WBS02

Manual Integrations
 APPROVED

MMDadoda
 11/2/2018 9:21:36 AM

Quant Time: Nov 02 07:27:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:45:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	126061	18.608	ug/l	94
40) Benzene	8.04	78	319298	19.337	ug/l	95
41) Methacrylonitrile	7.18	41	39051	19.891	ug/l #	94
42) 1,2-Dichloroethane	8.13	62	109443	17.961	ug/l	98
43) Isopropyl Acetate	8.17	43	132179	19.450	ug/l #	89
44) Trichloroethene	8.84	130	78038	21.133	ug/l	95
45) 1,2-Dichloropropane	9.12	63	83027	17.651	ug/l	92
46) Dibromomethane	9.21	93	51594	19.626	ug/l	92
47) Bromodichloromethane	9.40	83	103756	18.923	ug/l	95
48) Methyl methacrylate	9.20	41	62087	18.020	ug/l	97
49) 1,4-Dioxane	9.20	88	13721	488.081	ug/l	91
51) 4-Methyl-2-Pentanone	9.99	43	373459	101.104	ug/l	100
52) Toluene	10.16	92	193518	19.415	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	101500	17.510	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	118851	18.462	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	71075	20.021	ug/l	97
56) Ethyl methacrylate	10.43	69	96659	19.034	ug/l	97
57) 1,3-Dichloropropane	10.71	76	121916	18.664	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	257469	95.316	ug/l	95
59) 2-Hexanone	10.75	43	251855	95.680	ug/l	99
60) Dibromochloromethane	10.90	129	71403	20.430	ug/l	100
61) 1,2-Dibromoethane	11.01	107	70719	20.038	ug/l	100
64) Tetrachloroethene	10.63	164	61792	20.103	ug/l	96
65) Chlorobenzene	11.43	112	215317	20.149	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	73950	22.038	ug/l	96
67) Ethyl Benzene	11.51	91	373869	19.618	ug/l	98
68) m/p-Xylenes	11.62	106	281096	41.209	ug/l	96
69) o-Xylene	11.95	106	138409	20.506	ug/l	95
70) Styrene	11.96	104	223630	20.477	ug/l	98
71) Bromoform	12.13	173	41116	20.415	ug/l #	100
73) Isopropylbenzene	12.25	105	354770	19.391	ug/l	99
74) N-amyl acetate	12.07	43	120468	18.867	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	86215	19.652	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	72148m	18.422	ug/l	
77) Bromobenzene	12.53	156	77884	20.346	ug/l	88
78) n-propylbenzene	12.59	91	412576	18.611	ug/l	98
79) 2-Chlorotoluene	12.67	91	243225	18.820	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	287284	19.296	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	21061	17.849	ug/l	90
82) 4-Chlorotoluene	12.77	91	244326	18.540	ug/l	94
83) tert-Butylbenzene	12.99	119	247255	19.770	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	293234	19.787	ug/l	100
85) sec-Butylbenzene	13.17	105	337102	18.869	ug/l	98
86) p-Isopropyltoluene	13.29	119	284814	19.575	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	141960	20.335	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	138382	19.778	ug/l	99
89) n-Butylbenzene	13.62	91	234089	16.870	ug/l	96
90) Hexachloroethane	13.88	117	45868	18.395	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	139140	21.199	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12122	19.736	ug/l	91

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110118\
Data File : VN052106.D
Acq On : 1 Nov 2018 16:42
Operator : MD\SY
Sample : VN1101WBS02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS02

Manual Integrations
APPROVED

MMDadoda
11/2/2018 9:21:36 AM

Quant Time: Nov 02 07:27:17 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 31 02:45:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	51169	20.936	ug/l	98
94) Hexachlorobutadiene	15.01	225	26763	19.565	ug/l	98
95) Naphthalene	15.13	128	129680	21.154	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	45064	21.367	ug/l	99

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

