

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121318\
 Data File : VN052852.D
 Acq On : 13 Dec 2018 9:41
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/14/2018 9:02:06 AM

Quant Time: Dec 14 02:11:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1077272	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1611463	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1446286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	687589	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	563458	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
35) Dibromofluoromethane	7.59	113	466047	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
50) Toluene-d8	10.09	98	2026253	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	
62) 4-Bromofluorobenzene	12.40	95	700712	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	562127	50.690	ug/l	100
3) Chloromethane	2.06	50	650046	48.841	ug/l	99
4) Vinyl Chloride	2.19	62	658107	49.424	ug/l	99
5) Bromomethane	2.57	94	393379	47.898	ug/l	99
6) Chloroethane	2.71	64	380365	48.327	ug/l	99
7) Trichlorofluoromethane	3.02	101	832329	50.418	ug/l	100
8) Diethyl Ether	3.41	74	301008	49.985	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	527447	51.552	ug/l	99
10) Methyl Iodide	3.96	142	706534	49.310	ug/l	99
11) Tert butyl alcohol	4.78	59	130006	203.126	ug/l	98
12) 1,1-Dichloroethene	3.74	96	498414	50.323	ug/l	98
13) Acrolein	3.61	56	124273	206.232	ug/l	100
14) Allyl chloride	4.33	41	790280	48.851	ug/l	99
15) Acrylonitrile	4.98	53	874832	243.645	ug/l	99
16) Acetone	3.81	43	701421	272.651	ug/l	99
17) Carbon Disulfide	4.06	76	1521546	50.008	ug/l	100
18) Methyl Acetate	4.32	43	449448	47.604	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	1308463	48.663	ug/l	99
20) Methylene Chloride	4.55	84	554394	47.886	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	521714	48.620	ug/l	97
22) Diisopropyl ether	5.95	45	1720622	49.855	ug/l	100
23) Vinyl Acetate	5.90	43	5164112	251.466	ug/l	100
24) 1,1-Dichloroethane	5.85	63	998349	50.163	ug/l	99
25) 2-Butanone	6.83	43	983578	246.402	ug/l	98
26) 2,2-Dichloropropane	6.83	77	753962	51.443	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	606593	49.808	ug/l	99
28) Bromochloromethane	7.19	49	451395	50.509	ug/l	100
29) Tetrahydrofuran	7.21	42	652152	239.312	ug/l	99
30) Chloroform	7.37	83	962335	49.585	ug/l	99
31) Cyclohexane	7.65	56	964056	49.663	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	812770	50.053	ug/l	100
36) 1,1-Dichloropropene	7.79	75	772336	52.046	ug/l	100
37) Ethyl Acetate	6.93	43	439398	49.290	ug/l	99
38) Carbon Tetrachloride	7.77	117	723101	52.940	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121318\
 Data File : VN052852.D
 Acq On : 13 Dec 2018 9:41
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/14/2018 9:02:06 AM

Quant Time: Dec 14 02:11:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	980458	53.840	ug/l	98
40) Benzene	8.04	78	2294814	51.524	ug/l	100
41) Methacrylonitrile	7.17	41	226507	45.858	ug/l	93
42) 1,2-Dichloroethane	8.12	62	683661	50.987	ug/l	99
43) Isopropyl Acetate	8.16	43	794725	43.481	ug/l #	91
44) Trichloroethene	8.83	130	617839	51.357	ug/l	98
45) 1,2-Dichloropropane	9.12	63	601981	51.602	ug/l	99
46) Dibromomethane	9.21	93	339599	50.196	ug/l	99
47) Bromodichloromethane	9.40	83	730984	52.103	ug/l	100
48) Methyl methacrylate	9.20	41	406126	50.668	ug/l	99
49) 1,4-Dioxane	9.20	88	76341	839.080	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	2118649	252.794	ug/l	99
52) Toluene	10.16	92	1406723	52.149	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	754023	53.410	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	892068	53.027	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	483355	50.196	ug/l	99
56) Ethyl methacrylate	10.43	69	643860	52.102	ug/l	99
57) 1,3-Dichloropropane	10.71	76	843985	51.111	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1877730	272.316	ug/l	100
59) 2-Hexanone	10.75	43	1499827	261.129	ug/l	99
60) Dibromochloromethane	10.90	129	545282	52.395	ug/l	99
61) 1,2-Dibromoethane	11.01	107	488207	51.291	ug/l	100
64) Tetrachloroethene	10.63	164	646313	51.994	ug/l	99
65) Chlorobenzene	11.43	112	1539400	51.304	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	539143	51.665	ug/l	99
67) Ethyl Benzene	11.51	91	2719251	52.772	ug/l	100
68) m/p-Xylenes	11.62	106	2062916	106.620	ug/l	100
69) o-Xylene	11.95	106	995666	52.700	ug/l	100
70) Styrene	11.96	104	1635677	53.856	ug/l	100
71) Bromoform	12.13	173	370376	52.243	ug/l #	99
73) Isopropylbenzene	12.25	105	2678933	52.182	ug/l	100
74) N-amyl acetate	12.07	43	706287	50.111	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	551262	47.913	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	482593m	47.571	ug/l	
77) Bromobenzene	12.53	156	668996	51.234	ug/l	98
78) n-propylbenzene	12.59	91	3123458	53.347	ug/l	100
79) 2-Chlorotoluene	12.67	91	1790973	51.741	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2174012	52.458	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	169673	53.730	ug/l	98
82) 4-Chlorotoluene	12.77	91	1844528	52.119	ug/l	100
83) tert-Butylbenzene	12.99	119	1910055	52.248	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2198598	52.404	ug/l	100
85) sec-Butylbenzene	13.17	105	2621736	52.954	ug/l	100
86) p-Isopropyltoluene	13.29	119	2286679	53.310	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1201115	51.763	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1176239	51.187	ug/l	100
89) n-Butylbenzene	13.62	91	1969995	54.556	ug/l	100
90) Hexachloroethane	13.88	117	381565	53.124	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1138532	51.007	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	84893	48.948	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121318\
Data File : VN052852.D
Acq On : 13 Dec 2018 9:41
Operator : MD\SY
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
12/14/2018 9:02:06 AM

Quant Time: Dec 14 02:11:46 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 13 01:08:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	649309	53.515	ug/l	100
94) Hexachlorobutadiene	15.01	225	370359	52.735	ug/l	99
95) Naphthalene	15.13	128	1302539	51.832	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	582696	52.338	ug/l	100

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

