

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011519\
 Data File : VN053411.D
 Acq On : 15 Jan 2019 16:41
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/16/2019 9:51:35 AM

Quant Time: Jan 16 04:17:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 15 11:52:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	935096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1407916	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1279620	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	617756	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	457294	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	
35) Dibromofluoromethane	7.59	113	399252	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
50) Toluene-d8	10.09	98	1678849	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
62) 4-Bromofluorobenzene	12.40	95	591001	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	367970	48.944	ug/l	98
3) Chloromethane	2.06	50	520758	48.446	ug/l	99
4) Vinyl Chloride	2.19	62	501078	48.359	ug/l	99
5) Bromomethane	2.57	94	333454	46.902	ug/l	100
6) Chloroethane	2.71	64	300478	47.965	ug/l	100
7) Trichlorofluoromethane	3.02	101	667884	49.279	ug/l	98
8) Diethyl Ether	3.41	74	258314	50.746	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	417280	48.615	ug/l	99
10) Methyl Iodide	3.96	142	649696	49.532	ug/l	100
11) Tert butyl alcohol	4.78	59	159117	351.831	ug/l	99
12) 1,1-Dichloroethene	3.74	96	413878	49.713	ug/l	99
13) Acrolein	3.61	56	252502	282.838	ug/l	100
14) Allyl chloride	4.33	41	700629	51.810	ug/l	95
15) Acrylonitrile	4.99	53	843055	283.253	ug/l	99
16) Acetone	3.82	43	608661	280.688	ug/l	98
17) Carbon Disulfide	4.06	76	1220149	48.464	ug/l	100
18) Methyl Acetate	4.32	43	391483	53.585	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1161132	52.491	ug/l	100
20) Methylene Chloride	4.55	84	472752	47.752	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	444062	49.891	ug/l	99
22) Diisopropyl ether	5.95	45	1435900	50.863	ug/l	98
23) Vinyl Acetate	5.90	43	4697632	270.700	ug/l	100
24) 1,1-Dichloroethane	5.85	63	833225	49.927	ug/l	99
25) 2-Butanone	6.83	43	976760	292.301	ug/l	99
26) 2,2-Dichloropropane	6.83	77	634502	50.356	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	512134	50.319	ug/l	99
28) Bromochloromethane	7.20	49	361547	49.176	ug/l	100
29) Tetrahydrofuran	7.21	42	638511	293.513	ug/l	99
30) Chloroform	7.37	83	813953	50.058	ug/l	99
31) Cyclohexane	7.66	56	781906	48.135	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	689696	50.002	ug/l	99
36) 1,1-Dichloropropene	7.80	75	638309	49.782	ug/l	100
37) Ethyl Acetate	6.93	43	426139	57.291	ug/l	99
38) Carbon Tetrachloride	7.78	117	600109	49.436	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011519\
 Data File : VN053411.D
 Acq On : 15 Jan 2019 16:41
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/16/2019 9:51:35 AM

Quant Time: Jan 16 04:17:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 15 11:52:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	786776	49.645	ug/l	99
40) Benzene	8.04	78	1938626	49.754	ug/l	100
41) Methacrylonitrile	7.17	41	216266	47.019	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	563299	49.624	ug/l	100
43) Isopropyl Acetate	8.17	43	754637	54.483	ug/l	100
44) Trichloroethene	8.84	130	536854	49.684	ug/l	100
45) 1,2-Dichloropropane	9.12	63	512170	49.627	ug/l	98
46) Dibromomethane	9.21	93	293033	49.420	ug/l	99
47) Bromodichloromethane	9.40	83	615616	49.370	ug/l	100
48) Methyl methacrylate	9.20	41	375710	54.858	ug/l	100
49) 1,4-Dioxane	9.20	88	91011	1360.667	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	2125662	293.557	ug/l	100
52) Toluene	10.16	92	1214522	50.208	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	657342	52.009	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	752349	50.779	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	425700	51.045	ug/l	99
56) Ethyl methacrylate	10.43	69	595624	50.312	ug/l	100
57) 1,3-Dichloropropane	10.71	76	736306	51.037	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1546235	265.022	ug/l	100
59) 2-Hexanone	10.75	43	1498841	294.866	ug/l	99
60) Dibromochloromethane	10.90	129	477007	50.429	ug/l	99
61) 1,2-Dibromoethane	11.01	107	439669	52.128	ug/l	100
64) Tetrachloroethene	10.63	164	578711	47.990	ug/l	99
65) Chlorobenzene	11.43	112	1343844	49.615	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	466484	49.507	ug/l	100
67) Ethyl Benzene	11.51	91	2341642	50.729	ug/l	100
68) m/p-Xylenes	11.62	106	1782505	102.278	ug/l	99
69) o-Xylene	11.95	106	867740	51.241	ug/l	99
70) Styrene	11.96	104	1429348	52.006	ug/l	99
71) Bromoform	12.13	173	344230	53.065	ug/l	99
73) Isopropylbenzene	12.25	105	2312768	51.124	ug/l	100
74) N-amyl acetate	12.07	43	691356	57.328	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	516226	54.410	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	462851m	59.508	ug/l	
77) Bromobenzene	12.53	156	591555	49.625	ug/l	99
78) n-propylbenzene	12.59	91	2670137	51.420	ug/l	100
79) 2-Chlorotoluene	12.68	91	1545466	50.210	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1884274	51.193	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	163317	50.732	ug/l	99
82) 4-Chlorotoluene	12.77	91	1580834	50.362	ug/l	99
83) tert-Butylbenzene	12.99	119	1662751	51.147	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1884095	50.766	ug/l	99
85) sec-Butylbenzene	13.17	105	2284566	51.241	ug/l	99
86) p-Isopropyltoluene	13.29	119	1995559	51.549	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1049226	50.038	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1039779	49.434	ug/l	99
89) n-Butylbenzene	13.62	91	1690184	51.220	ug/l	100
90) Hexachloroethane	13.88	117	310250	51.100	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	985152	51.068	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	72661	60.399	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011519\
Data File : VN053411.D
Acq On : 15 Jan 2019 16:41
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 17 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
1/16/2019 9:51:35 AM

Quant Time: Jan 16 04:17:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 15 11:52:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	429180	50.399	ug/l	99
94) Hexachlorobutadiene	15.01	225	301859	50.161	ug/l	99
95) Naphthalene	15.13	128	780242	52.070	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	318451	51.042	ug/l	99

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

