

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091319\
 Data File : VN057973.D
 Acq On : 12 Sep 2019 16:39
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 1:05:49 PM

Quant Time: Sep 13 05:45:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	390962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	626379	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	599964	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	372978	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	407183	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
35) Dibromofluoromethane	7.57	113	292676	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
50) Toluene-d8	10.08	98	1200235	53.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.94%	
62) 4-Bromofluorobenzene	12.41	95	437722	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	257645	47.652	ug/l	100
3) Chloromethane	2.03	50	213914	38.818	ug/l	98
4) Vinyl Chloride	2.16	62	238432	40.881	ug/l	98
5) Bromomethane	2.51	94	135353	41.988	ug/l	98
6) Chloroethane	2.66	64	152686	41.083	ug/l	99
7) Trichlorofluoromethane	2.98	101	290373	39.562	ug/l	96
8) Diethyl Ether	3.38	74	134737	44.013	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	209463	45.239	ug/l	100
10) Methyl Iodide	3.92	142	210076	40.772	ug/l	100
11) Tert butyl alcohol	4.77	59	220109	229.661	ug/l	100
12) 1,1-Dichloroethene	3.71	96	175576	42.175	ug/l	95
13) Acrolein	3.58	56	132007	162.349	ug/l	99
14) Allyl chloride	4.29	41	356060	43.704	ug/l	99
15) Acrylonitrile	4.96	53	634778	240.969	ug/l	99
16) Acetone	3.79	43	651581	251.007	ug/l	97
17) Carbon Disulfide	4.02	76	258216	39.884	ug/l	100
18) Methyl Acetate	4.30	43	342503	49.485	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	821644	47.425	ug/l	98
20) Methylene Chloride	4.52	84	240991	48.735	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	192161	42.700	ug/l	98
22) Diisopropyl ether	5.93	45	922755	48.297	ug/l	99
23) Vinyl Acetate	5.87	43	3410363	251.868	ug/l	100
24) 1,1-Dichloroethane	5.82	63	475745	45.562	ug/l	100
25) 2-Butanone	6.82	43	934823	248.812	ug/l	98
26) 2,2-Dichloropropane	6.80	77	394077	47.689	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	270273	44.814	ug/l	97
28) Bromochloromethane	7.18	49	254513	48.789	ug/l	99
29) Tetrahydrofuran	7.19	42	562043	242.766	ug/l	99
30) Chloroform	7.35	83	503152	46.085	ug/l	98
31) Cyclohexane	7.63	56	338126	47.402	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	399852	46.178	ug/l	99
36) 1,1-Dichloropropene	7.77	75	317878	43.759	ug/l	99
37) Ethyl Acetate	6.91	43	359185	47.857	ug/l	100
38) Carbon Tetrachloride	7.76	117	317355	47.850	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091319\
 Data File : VN057973.D
 Acq On : 12 Sep 2019 16:39
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 1:05:49 PM

Quant Time: Sep 13 05:45:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	337268	44.165	ug/l	98
40) Benzene	8.02	78	1021477	46.706	ug/l	99
41) Methacrylonitrile	7.16	41	178075	52.268	ug/l	93
42) 1,2-Dichloroethane	8.11	62	418978	47.901	ug/l	99
43) Isopropyl Acetate	8.15	43	623368	49.389	ug/l #	91
44) Trichloroethene	8.82	130	244589	45.597	ug/l	99
45) 1,2-Dichloropropane	9.11	63	302213	47.488	ug/l	98
46) Dibromomethane	9.20	93	184087	47.869	ug/l	100
47) Bromodichloromethane	9.40	83	390445	50.844	ug/l	98
48) Methyl methacrylate	9.19	41	313546	48.972	ug/l	98
49) 1,4-Dioxane	9.19	88	99612	920.012	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1976769	264.659	ug/l	99
52) Toluene	10.15	92	644413	46.782	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	412181	50.970	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	450066	50.409	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	285331	48.901	ug/l	99
56) Ethyl methacrylate	10.43	69	444196	50.553	ug/l	99
57) 1,3-Dichloropropane	10.71	76	487861	48.516	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	837736	202.427	ug/l	100
59) 2-Hexanone	10.75	43	1505411	268.901	ug/l	99
60) Dibromochloromethane	10.90	129	279968	51.672	ug/l	100
61) 1,2-Dibromoethane	11.00	107	275188	49.886	ug/l	100
64) Tetrachloroethene	10.63	164	196798	44.426	ug/l	99
65) Chlorobenzene	11.44	112	737110	46.945	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	264861	48.613	ug/l	97
67) Ethyl Benzene	11.51	91	1342538	48.789	ug/l	100
68) m/p-Xylenes	11.62	106	986461	97.867	ug/l	99
69) o-Xylene	11.95	106	487924	48.692	ug/l	99
70) Styrene	11.97	104	870347	50.468	ug/l	100
71) Bromoform	12.13	173	178650	52.593	ug/l	99
73) Isopropylbenzene	12.25	105	1380170	47.688	ug/l	100
74) N-amyl acetate	12.07	43	608072	48.277	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	449920	46.171	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	388622m	46.059	ug/l	
77) Bromobenzene	12.53	156	319022	44.211	ug/l	99
78) n-propylbenzene	12.60	91	1609015	48.414	ug/l	100
79) 2-Chlorotoluene	12.68	91	966158	45.996	ug/l	98
80) 1,3,5-Trimethylbenzene	12.74	105	1189325	48.635	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	118687	49.501	ug/l	96
82) 4-Chlorotoluene	12.78	91	1004966	46.589	ug/l	100
83) tert-Butylbenzene	13.00	119	1020636	46.953	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	1191335	47.933	ug/l	99
85) sec-Butylbenzene	13.18	105	1390968	48.278	ug/l	100
86) p-Isopropyltoluene	13.30	119	1264700	49.819	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	617013	46.586	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	613523	45.635	ug/l	99
89) n-Butylbenzene	13.62	91	1177377	49.112	ug/l	100
90) Hexachloroethane	13.88	117	189496	50.192	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	614449	46.437	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	80807	50.213	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091319\
Data File : VN057973.D
Acq On : 12 Sep 2019 16:39
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
9/13/2019 1:05:49 PM

Quant Time: Sep 13 05:45:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	382560	44.233	ug/l	99
94) Hexachlorobutadiene	15.02	225	174399	47.569	ug/l	97
95) Naphthalene	15.13	128	1083115	49.594	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	363050	48.122	ug/l	98

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

