

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022120\
 Data File : VN060194.D
 Acq On : 21 Feb 2020 17:43
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/24/2020 11:38:37 AM

Quant Time: Feb 21 23:26:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	189739	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	299202	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	287406	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	145006	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	112253	48.62	ug/l	0.00
Spiked Amount			Recovery	=	97.24%	
35) Dibromofluoromethane	7.57	113	89573	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
50) Toluene-d8	10.08	98	354524	48.95	ug/l	0.00
Spiked Amount			Recovery	=	97.90%	
62) 4-Bromofluorobenzene	12.40	95	133303	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	85038	44.838	ug/l	99
3) Chloromethane	2.04	50	98303	43.555	ug/l	99
4) Vinyl Chloride	2.17	62	116544	45.302	ug/l	100
5) Bromomethane	2.55	94	69128	43.823	ug/l	99
6) Chloroethane	2.69	64	60902	46.805	ug/l	97
7) Trichlorofluoromethane	3.00	101	150443	45.358	ug/l	97
8) Diethyl Ether	3.38	74	53929	48.845	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	84568	45.924	ug/l	99
10) Methyl Iodide	3.93	142	118444	47.967	ug/l	99
11) Tert butyl alcohol	4.73	59	68684	198.796	ug/l	100
12) 1,1-Dichloroethene	3.72	96	83831	46.731	ug/l	99
13) Acrolein	3.58	56	79525	232.865	ug/l	96
14) Allyl chloride	4.29	41	125393	47.491	ug/l	97
15) Acrylonitrile	4.94	53	203747	241.476	ug/l	99
16) Acetone	3.78	43	179041	177.781	ug/l	99
17) Carbon Disulfide	4.03	76	230018	42.540	ug/l	100
18) Methyl Acetate	4.29	43	93059	49.190	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	287420	47.643	ug/l	99
20) Methylene Chloride	4.52	84	95053	47.309	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	91101	46.587	ug/l	98
22) Diisopropyl ether	5.92	45	288352	49.831	ug/l	96
23) Vinyl Acetate	5.86	43	1194988	245.912	ug/l	99
24) 1,1-Dichloroethane	5.82	63	168620	48.102	ug/l	99
25) 2-Butanone	6.80	43	269641	212.887	ug/l	97
26) 2,2-Dichloropropane	6.80	77	157101	47.184	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	107578	47.007	ug/l	98
28) Bromochloromethane	7.17	49	66085	47.953	ug/l	99
29) Tetrahydrofuran	7.18	42	176669	227.365	ug/l	98
30) Chloroform	7.35	83	176084	47.953	ug/l	98
31) Cyclohexane	7.63	56	147971	45.314	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	161355	48.085	ug/l	100
36) 1,1-Dichloropropene	7.77	75	131237	47.355	ug/l	100
37) Ethyl Acetate	6.90	43	116439	46.489	ug/l	99
38) Carbon Tetrachloride	7.75	117	138335	45.962	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022120\
 Data File : VN060194.D
 Acq On : 21 Feb 2020 17:43
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/24/2020 11:38:37 AM

Quant Time: Feb 21 23:26:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	158459	46.062	ug/l	99
40) Benzene	8.02	78	388053	47.204	ug/l	99
41) Methacrylonitrile	7.15	41	53989m	51.400	ug/l	
42) 1,2-Dichloroethane	8.10	62	141754	49.198	ug/l	99
43) Isopropyl Acetate	8.14	43	205033	47.888	ug/l	99
44) Trichloroethene	8.82	130	107346	47.158	ug/l	99
45) 1,2-Dichloropropane	9.10	63	101140	49.694	ug/l	98
46) Dibromomethane	9.19	93	68772	47.816	ug/l	98
47) Bromodichloromethane	9.39	83	142844	48.851	ug/l	98
48) Methyl methacrylate	9.18	41	89951	46.826	ug/l	99
49) 1,4-Dioxane	9.18	88	25201	767.821	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	585875	236.412	ug/l	100
52) Toluene	10.14	92	253362	48.061	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	161646	48.974	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	170356	49.015	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	98219	47.757	ug/l	98
56) Ethyl methacrylate	10.42	69	146119	50.224	ug/l	98
57) 1,3-Dichloropropane	10.70	76	162967	48.022	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	333636	246.156	ug/l	99
59) 2-Hexanone	10.74	43	426826	222.962	ug/l	99
60) Dibromochloromethane	10.89	129	112452	47.648	ug/l	99
61) 1,2-Dibromoethane	10.99	107	103179	47.858	ug/l	99
64) Tetrachloroethene	10.62	164	100384	45.946	ug/l	99
65) Chlorobenzene	11.43	112	271356	46.342	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	104971	47.389	ug/l	99
67) Ethyl Benzene	11.50	91	498228	47.177	ug/l	99
68) m/p-Xylenes	11.62	106	373038	94.116	ug/l	100
69) o-Xylene	11.94	106	179997	47.165	ug/l	100
70) Styrene	11.96	104	296716	48.214	ug/l	100
71) Bromoform	12.12	173	84732	47.559	ug/l #	98
73) Isopropylbenzene	12.24	105	492748	45.506	ug/l	100
74) N-amyl acetate	12.06	43	185425	47.488	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	141061	45.259	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	125313m	45.170	ug/l	
77) Bromobenzene	12.52	156	123807	46.072	ug/l	100
78) n-propylbenzene	12.59	91	564361	45.745	ug/l	100
79) 2-Chlorotoluene	12.67	91	329114	45.387	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	414344	46.022	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	51553	45.499	ug/l	98
82) 4-Chlorotoluene	12.77	91	342075	45.980	ug/l	99
83) tert-Butylbenzene	12.99	119	358193	44.974	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	416421	46.856	ug/l	99
85) sec-Butylbenzene	13.17	105	481392	45.639	ug/l	100
86) p-Isopropyltoluene	13.28	119	436007	45.624	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	220401	46.334	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	219336	46.120	ug/l	99
89) n-Butylbenzene	13.61	91	387469	46.096	ug/l	100
90) Hexachloroethane	13.87	117	81023	45.382	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	216344	46.474	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	28024	42.166	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022120\
Data File : VN060194.D
Acq On : 21 Feb 2020 17:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:38:37 AM

Quant Time: Feb 21 23:26:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	131190	47.963	ug/l	99
94) Hexachlorobutadiene	15.01	225	68775	42.950	ug/l	99
95) Naphthalene	15.13	128	332564	45.010	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	124673	45.770	ug/l	99

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

