

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112019\
 Data File : VN059317.D
 Acq On : 20 Nov 2019 10:41
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/21/2019 11:07:26 AM

Quant Time: Nov 21 06:17:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 06:09:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	332378	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	514972	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	461522	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	222047	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	180430	45.24	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.48%	
35) Dibromofluoromethane	7.57	113	151003	48.88	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.76%	
50) Toluene-d8	10.08	98	553161	45.04	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.08%	
62) 4-Bromofluorobenzene	12.40	95	209715	48.83	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	279099	65.591	ug/l	99
3) Chloromethane	2.04	50	316670	60.748	ug/l	100
4) Vinyl Chloride	2.17	62	336807	62.755	ug/l	100
5) Bromomethane	2.54	94	176721	59.673	ug/l	99
6) Chloroethane	2.68	64	168103	57.390	ug/l	99
7) Trichlorofluoromethane	3.00	101	329761	57.057	ug/l	99
8) Diethyl Ether	3.38	74	140833	59.605	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	210613	59.595	ug/l	99
10) Methyl Iodide	3.92	142	270025	61.479	ug/l	100
11) Tert butyl alcohol	4.74	59	235411	294.834	ug/l	99
12) 1,1-Dichloroethene	3.71	96	207653	57.886	ug/l	98
13) Acrolein	3.58	56	67148	92.127	ug/l	98
14) Allyl chloride	4.29	41	397506	59.316	ug/l	100
15) Acrylonitrile	4.95	53	615094	291.360	ug/l	100
16) Acetone	3.79	43	635369	355.324	ug/l	100
17) Carbon Disulfide	4.02	76	657424	58.452	ug/l	100
18) Methyl Acetate	4.29	43	347366	58.535	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	703415	60.710	ug/l	99
20) Methylene Chloride	4.52	84	234982	58.266	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	223270	58.726	ug/l	96
22) Diisopropyl ether	5.92	45	769765	61.007	ug/l	99
23) Vinyl Acetate	5.86	43	3071972	309.607	ug/l	100
24) 1,1-Dichloroethane	5.82	63	430407	60.603	ug/l	99
25) 2-Butanone	6.81	43	870841	313.191	ug/l	100
26) 2,2-Dichloropropane	6.80	77	365855	59.492	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	253437	59.083	ug/l	100
28) Bromochloromethane	7.17	49	84152	30.072	ug/l	100
29) Tetrahydrofuran	7.18	42	559664	291.090	ug/l	100
30) Chloroform	7.35	83	406743	59.044	ug/l	99
31) Cyclohexane	7.63	56	400796	57.076	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	348506	58.854	ug/l	99
36) 1,1-Dichloropropene	7.77	75	325426	61.213	ug/l	99
37) Ethyl Acetate	6.90	43	339189	59.365	ug/l	99
38) Carbon Tetrachloride	7.75	117	310223	60.955	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	395016	61.618	ug/l	100
40) Benzene	8.02	78	963275	61.735	ug/l	99
41) Methacrylonitrile	7.15	41	156561m	61.726	ug/l	
42) 1,2-Dichloroethane	8.10	62	315442	61.127	ug/l	100
43) Isopropyl Acetate	8.14	43	539722	61.810	ug/l	100
44) Trichloroethene	8.82	130	240721	60.873	ug/l	100
45) 1,2-Dichloropropane	9.10	63	259199	62.296	ug/l	98
46) Dibromomethane	9.19	93	155838	61.062	ug/l	99
47) Bromodichloromethane	9.39	83	320857	62.776	ug/l	99
48) Methyl methacrylate	9.18	41	246402	62.053	ug/l	99
49) 1,4-Dioxane	9.18	88	80397	1347.171	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	1664790	325.726	ug/l	100
52) Toluene	10.15	92	584209	62.268	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	369468	62.184	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	404182	62.690	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	227908	62.477	ug/l	98
56) Ethyl methacrylate	10.42	69	361940	58.365	ug/l	99
57) 1,3-Dichloropropane	10.70	76	397824	62.572	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	443243	200.929	ug/l	100
59) 2-Hexanone	10.74	43	1252430	334.649	ug/l	100
60) Dibromochloromethane	10.90	129	245300	63.814	ug/l	100
61) 1,2-Dibromoethane	11.00	107	236998	62.440	ug/l	100
64) Tetrachloroethene	10.63	164	211063	59.130	ug/l	99
65) Chlorobenzene	11.43	112	608738	61.342	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	224706	62.329	ug/l	100
67) Ethyl Benzene	11.51	91	1120721	63.251	ug/l	100
68) m/p-Xylenes	11.62	106	838256	127.318	ug/l	100
69) o-Xylene	11.95	106	398680	63.251	ug/l	99
70) Styrene	11.96	104	646393	64.992	ug/l	99
71) Bromoform	12.13	173	175440	64.257	ug/l #	100
73) Isopropylbenzene	12.25	105	1077499	59.237	ug/l	99
74) N-amyl acetate	12.07	43	445005	60.874	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	343117	57.023	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	302768m	59.021	ug/l	
77) Bromobenzene	12.53	156	253143	57.377	ug/l	98
78) n-propylbenzene	12.59	91	1261562	61.228	ug/l	100
79) 2-Chlorotoluene	12.67	91	742651	58.722	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	919418	60.128	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	127057	61.949	ug/l	96
82) 4-Chlorotoluene	12.77	91	763276	58.322	ug/l	100
83) tert-Butylbenzene	12.99	119	772165	59.792	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	899466	60.050	ug/l	99
85) sec-Butylbenzene	13.17	105	1037049	59.747	ug/l	100
86) p-Isopropyltoluene	13.29	119	947846	61.367	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	455610	57.988	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	451283	58.052	ug/l	99
89) n-Butylbenzene	13.62	91	834011	61.553	ug/l	99
90) Hexachloroethane	13.88	117	171334	58.573	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	443519	58.345	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	68754	53.744	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	259100	54.519	ug/l	99
94) Hexachlorobutadiene	15.01	225	154763	56.508	ug/l	99
95) Naphthalene	15.13	128	681542	51.929	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	249527	53.628	ug/l	99

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

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