

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020420\
 Data File : VN060004.D
 Acq On : 4 Feb 2020 18:58
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/5/2020 12:23:32 PM

Quant Time: Feb 05 02:55:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	184444	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	295650	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	277773	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141345	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	109692	53.55	ug/l	0.00
Spiked Amount						
			Recovery	=	107.10%	
35) Dibromofluoromethane	7.57	113	90479	51.32	ug/l	0.00
Spiked Amount						
			Recovery	=	102.64%	
50) Toluene-d8	10.08	98	338655	49.58	ug/l	0.00
Spiked Amount						
			Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.40	95	133404	54.17	ug/l	0.00
Spiked Amount						
			Recovery	=	108.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	89224	40.936	ug/l	97
3) Chloromethane	2.04	50	94283	44.649	ug/l	98
4) Vinyl Chloride	2.17	62	122438	50.676	ug/l	99
5) Bromomethane	2.53	94	71202	48.290	ug/l	100
6) Chloroethane	2.68	64	57247	50.082	ug/l	99
7) Trichlorofluoromethane	3.00	101	143286	49.382	ug/l	100
8) Diethyl Ether	3.39	74	53251	52.295	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.74	101	82734	51.231	ug/l	93
10) Methyl Iodide	3.93	142	113226	43.376	ug/l	96
11) Tert butyl alcohol	4.73	59	88984	258.059	ug/l	99
12) 1,1-Dichloroethene	3.72	96	82076	48.639	ug/l	89
13) Acrolein	3.58	56	62382	255.569	ug/l	98
14) Allyl chloride	4.30	41	117619	51.712	ug/l #	85
15) Acrylonitrile	4.95	53	225393	286.555	ug/l	99
16) Acetone	3.78	43	190475	273.591	ug/l	95
17) Carbon Disulfide	4.03	76	192022	39.946	ug/l	98
18) Methyl Acetate	4.29	43	135635	56.691	ug/l	92
19) Methyl tert-butyl Ether	5.00	73	298262	54.211	ug/l	96
20) Methylene Chloride	4.53	84	93476	50.453	ug/l	91
21) trans-1,2-Dichloroethene	5.01	96	86323	48.124	ug/l	90
22) Diisopropyl ether	5.92	45	282799	54.865	ug/l	97
23) Vinyl Acetate	5.86	43	1107358	277.478	ug/l	95
24) 1,1-Dichloroethane	5.82	63	165970	52.697	ug/l	98
25) 2-Butanone	6.80	43	294822	254.171	ug/l	93
26) 2,2-Dichloropropane	6.80	77	154635	51.071	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	108513	52.596	ug/l	90
28) Bromochloromethane	7.17	49	69336	55.081	ug/l #	79
29) Tetrahydrofuran	7.18	42	194600	271.153	ug/l	90
30) Chloroform	7.35	83	180601	55.344	ug/l	99
31) Cyclohexane	7.63	56	133970	44.206	ug/l	91
32) 1,1,1-Trichloroethane	7.55	97	162078	53.717	ug/l	96
36) 1,1-Dichloropropene	7.77	75	124497	48.355	ug/l	95
37) Ethyl Acetate	6.90	43	125218	51.855	ug/l	98
38) Carbon Tetrachloride	7.75	117	139226	49.712	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	141716	44.641	ug/l	92
40) Benzene	8.02	78	379698	49.450	ug/l	100
41) Methacrylonitrile	7.14	41	50634m	42.571	ug/l	
42) 1,2-Dichloroethane	8.10	62	139110	53.434	ug/l	96
43) Isopropyl Acetate	8.14	43	216100	52.028	ug/l #	95
44) Trichloroethene	8.82	130	102395	48.849	ug/l	96
45) 1,2-Dichloropropane	9.10	63	100575	52.933	ug/l	100
46) Dibromomethane	9.19	93	71863	53.617	ug/l	93
47) Bromodichloromethane	9.39	83	146202	54.130	ug/l	99
48) Methyl methacrylate	9.18	41	95747	51.536	ug/l	90
49) 1,4-Dioxane	9.18	88	36253	1065.930	ug/l	91
51) 4-Methyl-2-Pentanone	9.97	43	646997	269.468	ug/l	96
52) Toluene	10.14	92	245083	50.532	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	163747	54.296	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	170943	53.871	ug/l	95
55) 1,1,2-Trichloroethane	10.55	97	104013	54.148	ug/l	96
56) Ethyl methacrylate	10.42	69	154135	52.513	ug/l	93
57) 1,3-Dichloropropane	10.70	76	166901	54.727	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	257883	291.697	ug/l	93
59) 2-Hexanone	10.74	43	471343	266.470	ug/l	95
60) Dibromochloromethane	10.89	129	119808	54.770	ug/l	99
61) 1,2-Dibromoethane	11.00	107	107193	53.241	ug/l	99
64) Tetrachloroethene	10.62	164	89353	39.469	ug/l	96
65) Chlorobenzene	11.43	112	274247	50.231	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	110533	52.395	ug/l	99
67) Ethyl Benzene	11.51	91	488040	49.242	ug/l	97
68) m/p-Xylenes	11.62	106	368839	98.519	ug/l	95
69) o-Xylene	11.94	106	178435	48.683	ug/l	97
70) Styrene	11.96	104	303078	49.416	ug/l	98
71) Bromoform	12.12	173	91200	53.969	ug/l #	98
73) Isopropylbenzene	12.25	105	491178	47.383	ug/l	100
74) N-amyl acetate	12.07	43	197443	49.086	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	158489	52.739	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	128850m	54.168	ug/l	
77) Bromobenzene	12.52	156	124850	47.560	ug/l	86
78) n-propylbenzene	12.59	91	553580	47.579	ug/l	98
79) 2-Chlorotoluene	12.67	91	330154	47.699	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	407392	46.730	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	56590	51.090	ug/l	95
82) 4-Chlorotoluene	12.77	91	342897	49.391	ug/l	97
83) tert-Butylbenzene	12.99	119	357027	47.351	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	413376	47.929	ug/l	99
85) sec-Butylbenzene	13.17	105	471837	47.630	ug/l	99
86) p-Isopropyltoluene	13.29	119	430182	46.931	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	226077	49.579	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	223969	49.235	ug/l	98
89) n-Butylbenzene	13.61	91	378309	48.405	ug/l	98
90) Hexachloroethane	13.87	117	81761	47.674	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	220880	48.997	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32529	50.450	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	136569	50.417	ug/l	99
94) Hexachlorobutadiene	15.01	225	67966	45.532	ug/l	99
95) Naphthalene	15.13	128	383040	49.714	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	132318	50.184	ug/l	99

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

