

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030620\
 Data File : VN060388.D
 Acq On : 6 Mar 2020 18:07
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/9/2020 11:41:30 AM

Quant Time: Mar 07 04:20:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	196426	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	328214	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	309319	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	152885	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	123373	48.95	ug/l	0.00
Spiked Amount			Recovery	=	97.90%	
35) Dibromofluoromethane	7.56	113	88946	58.38	ug/l	0.00
Spiked Amount			Recovery	=	116.76%	
50) Toluene-d8	10.08	98	362022	46.95	ug/l	0.00
Spiked Amount			Recovery	=	93.90%	
62) 4-Bromofluorobenzene	12.40	95	141547	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	73603	40.870	ug/l	100
3) Chloromethane	2.03	50	135733	43.290	ug/l	99
4) Vinyl Chloride	2.16	62	111566	41.490	ug/l	99
5) Bromomethane	2.54	94	41216	37.477	ug/l	97
6) Chloroethane	2.68	64	61295	42.071	ug/l	98
7) Trichlorofluoromethane	3.00	101	146049	42.510	ug/l	100
8) Diethyl Ether	3.38	74	58285	44.932	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	84299	43.356	ug/l	99
10) Methyl Iodide	3.93	142	70868	39.936	ug/l	99
11) Tert butyl alcohol	4.73	59	90303	241.314	ug/l #	87
12) 1,1-Dichloroethene	3.72	96	82933	43.938	ug/l	97
13) Acrolein	3.57	56	97981	280.662	ug/l	100
14) Allyl chloride	4.29	41	147223	42.312	ug/l	92
15) Acrylonitrile	4.94	53	252365	255.856	ug/l	99
16) Acetone	3.78	43	201378	247.442	ug/l	100
17) Carbon Disulfide	4.03	76	210540	41.928	ug/l	100
18) Methyl Acetate	4.29	43	130991	48.231	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	319132	46.578	ug/l	99
20) Methylene Chloride	4.52	84	99017	44.302	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	90971	44.824	ug/l	98
22) Diisopropyl ether	5.91	45	341267	48.421	ug/l	97
23) Vinyl Acetate	5.86	43	1366962	244.079	ug/l	99
24) 1,1-Dichloroethane	5.82	63	188527	47.255	ug/l	100
25) 2-Butanone	6.80	43	336221	255.770	ug/l	100
26) 2,2-Dichloropropane	6.80	77	163099	44.906	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	111493	43.020	ug/l	98
28) Bromochloromethane	7.17	49	79773	48.700	ug/l	96
29) Tetrahydrofuran	7.18	42	227055	248.390	ug/l	98
30) Chloroform	7.35	83	187003	47.086	ug/l	100
31) Cyclohexane	7.63	56	158700	46.521	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	164564	46.767	ug/l	100
36) 1,1-Dichloropropene	7.77	75	135637	43.362	ug/l	99
37) Ethyl Acetate	6.89	43	145080	48.983	ug/l	100
38) Carbon Tetrachloride	7.75	117	135486	44.487	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	152277	41.289	ug/l	97
40) Benzene	8.02	78	411926	45.245	ug/l	99
41) Methacrylonitrile	7.14	41	57831m	42.286	ug/l	
42) 1,2-Dichloroethane	8.10	62	151555	46.130	ug/l	100
43) Isopropyl Acetate	8.14	43	254305	49.044	ug/l	99
44) Trichloroethene	8.82	130	111406	43.936	ug/l	100
45) 1,2-Dichloropropane	9.10	63	113483	47.675	ug/l	99
46) Dibromomethane	9.19	93	70356	45.552	ug/l	99
47) Bromodichloromethane	9.39	83	149412	47.563	ug/l	99
48) Methyl methacrylate	9.18	41	111040	46.961	ug/l	100
49) 1,4-Dioxane	9.18	88	30941	930.504	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	745328	253.518	ug/l	99
52) Toluene	10.14	92	258310	45.167	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	174271	45.275	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	183255	45.945	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	104473	45.426	ug/l	98
56) Ethyl methacrylate	10.42	69	163769	49.565	ug/l	98
57) 1,3-Dichloropropane	10.70	76	177121	47.224	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	429796	248.714	ug/l	98
59) 2-Hexanone	10.74	43	540055	250.190	ug/l	100
60) Dibromochloromethane	10.89	129	113794	48.653	ug/l	99
61) 1,2-Dibromoethane	10.99	107	106255	47.394	ug/l	98
64) Tetrachloroethene	10.62	164	116404	47.732	ug/l	99
65) Chlorobenzene	11.43	112	273489	43.787	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	105778	45.803	ug/l	100
67) Ethyl Benzene	11.50	91	506487	44.529	ug/l	100
68) m/p-Xylenes	11.62	106	374704	87.314	ug/l	100
69) o-Xylene	11.94	106	181583	44.372	ug/l	100
70) Styrene	11.96	104	305688	45.434	ug/l	100
71) Bromoform	12.12	173	81029	48.683	ug/l #	99
73) Isopropylbenzene	12.24	105	493581	43.558	ug/l	100
74) N-amyl acetate	12.06	43	228023	46.050	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	145209	47.142	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	137404m	40.963	ug/l	
77) Bromobenzene	12.52	156	120228	43.283	ug/l	98
78) n-propylbenzene	12.59	91	574771	43.272	ug/l	100
79) 2-Chlorotoluene	12.67	91	339786	43.518	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	417464	43.756	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.29	75	55906	46.009	ug/l #	85
82) 4-Chlorotoluene	12.77	91	357129	43.413	ug/l	99
83) tert-Butylbenzene	12.99	119	351600	42.565	ug/l	98
84) 1,2,4-Trimethylbenzene	13.03	105	419332	43.545	ug/l	99
85) sec-Butylbenzene	13.17	105	471472	42.623	ug/l	99
86) p-Isopropyltoluene	13.28	119	422735	41.290	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	215649	45.163	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	214473	45.158	ug/l	99
89) n-Butylbenzene	13.61	91	381163	40.556	ug/l	100
90) Hexachloroethane	13.87	117	60659	40.932	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	208903	42.921	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	31216	44.752	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	132405	42.825	ug/l	100
94) Hexachlorobutadiene	15.01	225	60360	42.370	ug/l	100
95) Naphthalene	15.13	128	405004	44.430	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	125789	43.163	ug/l	99

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

