

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021220\
 Data File : VN060067.D
 Acq On : 12 Feb 2020 11:42
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 2/13/2020 10:37:00 AM

Quant Time: Feb 12 14:06:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 12:49:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	195565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	306245	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	282817	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	129696	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	11901	5.08	ug/l	0.00
Spiked Amount			Recovery	=	10.16%	
35) Dibromofluoromethane	7.56	113	8786	4.81	ug/l	0.00
Spiked Amount			Recovery	=	9.62%	
50) Toluene-d8	10.08	98	35663	4.92	ug/l	0.00
Spiked Amount			Recovery	=	9.84%	
62) 4-Bromofluorobenzene	12.40	95	12782	4.91	ug/l	0.00
Spiked Amount			Recovery	=	9.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	8976	4.599	ug/l	100
3) Chloromethane	2.04	50	11219	4.745	ug/l	96
4) Vinyl Chloride	2.17	62	12811	4.775	ug/l	95
5) Bromomethane	2.54	94	8975	5.044	ug/l	99
6) Chloroethane	2.68	64	6568	4.866	ug/l	97
7) Trichlorofluoromethane	3.00	101	16975	4.919	ug/l	97
8) Diethyl Ether	3.39	74	5669	5.034	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	9486	4.946	ug/l	96
10) Methyl Iodide	3.93	142	8436	3.903	ug/l	95
11) Tert butyl alcohol	4.73	59	8064	23.507	ug/l #	91
12) 1,1-Dichloroethene	3.71	96	9080	4.948	ug/l	96
13) Acrolein	3.58	56	8047	24.285	ug/l	93
14) Allyl chloride	4.29	41	14163	5.178	ug/l	89
15) Acrylonitrile	4.95	53	20131	24.273	ug/l	98
16) Acetone	3.79	43	22009	25.183	ug/l	99
17) Carbon Disulfide	4.03	76	26193	4.689	ug/l	96
18) Methyl Acetate	4.29	43	9480	4.997	ug/l	94
19) Methyl tert-butyl Ether	5.01	73	29883	4.834	ug/l	97
20) Methylene Chloride	4.52	84	10106	4.868	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	10121	5.630	ug/l	97
22) Diisopropyl ether	5.91	45	27782	4.758	ug/l	95
23) Vinyl Acetate	5.86	43	112821	23.305	ug/l	99
24) 1,1-Dichloroethane	5.82	63	17677	4.902	ug/l	99
25) 2-Butanone	6.81	43	29173	23.206	ug/l	97
26) 2,2-Dichloropropane	6.80	77	16694	4.859	ug/l	84
27) cis-1,2-Dichloroethene	6.80	96	11359	5.452	ug/l	99
28) Bromochloromethane	7.17	49	6756	5.361	ug/l #	95
29) Tetrahydrofuran	7.18	42	18907	24.328	ug/l	98
30) Chloroform	7.35	83	18399	4.867	ug/l	100
31) Cyclohexane	7.63	56	19315	5.593	ug/l #	84
32) 1,1,1-Trichloroethane	7.54	97	16520	4.795	ug/l	99
36) 1,1-Dichloropropene	7.77	75	13417	4.733	ug/l	99
37) Ethyl Acetate	6.90	43	13230	5.315	ug/l #	95
38) Carbon Tetrachloride	7.75	117	14677	4.772	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	16622	4.732	ug/l	97
40) Benzene	8.02	78	40757	4.809	ug/l	95
41) Methacrylonitrile	7.15	41	5198m	3.183	ug/l	
42) 1,2-Dichloroethane	8.10	62	14180	4.832	ug/l	98
43) Isopropyl Acetate	8.14	43	20926	4.898	ug/l #	90
44) Trichloroethene	8.81	130	11496	4.889	ug/l	98
45) 1,2-Dichloropropane	9.10	63	10124	4.870	ug/l	99
46) Dibromomethane	9.19	93	7158	4.900	ug/l	99
47) Bromodichloromethane	9.38	83	14200	4.791	ug/l	98
48) Methyl methacrylate	9.18	41	8600	4.540	ug/l	95
49) 1,4-Dioxane	9.18	88	2969	93.407	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	57855	23.552	ug/l	98
52) Toluene	10.14	92	25605	4.788	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	15824	4.826	ug/l	96
54) cis-1,3-Dichloropropene	9.83	75	16801	4.794	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	9994	4.758	ug/l	95
56) Ethyl methacrylate	10.42	69	12413	4.442	ug/l	96
57) 1,3-Dichloropropane	10.70	76	16660	4.797	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.68	63	33812	25.662	ug/l	100
59) 2-Hexanone	10.74	43	42273	22.561	ug/l	99
60) Dibromochloromethane	10.89	129	10955	4.661	ug/l	97
61) 1,2-Dibromoethane	10.99	107	10208	4.727	ug/l	99
64) Tetrachloroethene	10.62	164	10572	4.765	ug/l	98
65) Chlorobenzene	11.43	112	27850	4.811	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	10636	4.909	ug/l	99
67) Ethyl Benzene	11.50	91	49508	4.754	ug/l	99
68) m/p-Xylenes	11.62	106	36881	9.517	ug/l	100
69) o-Xylene	11.94	106	18037	4.843	ug/l	98
70) Styrene	11.96	104	27060	4.684	ug/l	99
71) Bromoform	12.12	173	7535	4.530	ug/l #	100
73) Isopropylbenzene	12.25	105	47057	4.744	ug/l	97
74) N-amyl acetate	12.07	43	15271	4.513	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	13482	4.801	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	11959m	3.392	ug/l	
77) Bromobenzene	12.52	156	12052	4.936	ug/l	99
78) n-propylbenzene	12.59	91	53426	4.748	ug/l	99
79) 2-Chlorotoluene	12.67	91	31944	4.810	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	39387	4.811	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	4645	4.766	ug/l	98
82) 4-Chlorotoluene	12.77	91	31870	4.739	ug/l	99
83) tert-Butylbenzene	12.99	119	35873	4.873	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	38717	4.838	ug/l	100
85) sec-Butylbenzene	13.17	105	45692	4.745	ug/l	99
86) p-Isopropyltoluene	13.29	119	41771	4.843	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	20466	4.799	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	20193	4.773	ug/l	91
89) n-Butylbenzene	13.61	91	34828	4.662	ug/l	99
90) Hexachloroethane	13.87	117	7880	4.912	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	20199	4.781	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	3073	4.576	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	10697	4.544	ug/l	99
94) Hexachlorobutadiene	15.01	225	7335	4.940	ug/l	97
95) Naphthalene	15.13	128	28079	4.519	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	10881	4.567	ug/l	97

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

