

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112320\
 Data File : VN064777.D
 Acq On : 23 Nov 2020 11:54
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 11/24/2020 3:01:06 PM

Quant Time: Nov 23 13:21:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:11:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	181024	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	290303	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	257391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	124791	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	11588	3.90	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	7.80%#
35) Dibromofluoromethane	7.55	113	9315	5.59	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	11.18%#
50) Toluene-d8	10.06	98	36273	4.89	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	9.78%#
62) 4-Bromofluorobenzene	12.38	95	12533	4.57	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	9.14%#

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	9513	4.442	ug/l 93
3) Chloromethane	2.04	50	12415	5.130	ug/l 93
4) Vinyl Chloride	2.16	62	12834	5.103	ug/l 95
5) Bromomethane	2.53	94	8805	4.880	ug/l 92
6) Chloroethane	2.67	64	7910	4.722	ug/l 95
7) Trichlorofluoromethane	2.99	101	17027	3.895	ug/l 96
8) Diethyl Ether	3.37	74	6787	4.696	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.71	101	10586	5.376	ug/l 97
10) Methyl Iodide	3.90	142	11495	4.844	ug/l 100
11) Tert butyl alcohol	4.75	59	8460	27.149	ug/l # 83
12) 1,1-Dichloroethene	3.69	96	9643	5.059	ug/l 96
13) Acrolein	3.56	56	5463	57.483	ug/l # 55
14) Allyl chloride	4.27	41	16143	4.979	ug/l 99
15) Acrylonitrile	4.93	53	23759	26.278	ug/l 99
16) Acetone	3.78	43	17787	22.932	ug/l 98
17) Carbon Disulfide	4.00	76	29085	4.964	ug/l 99
18) Methyl Acetate	4.28	43	11114	4.690	ug/l 94
19) Methyl tert-butyl Ether	4.99	73	29520	4.677	ug/l 96
20) Methylene Chloride	4.50	84	12371	5.368	ug/l 94
21) trans-1,2-Dichloroethene	4.98	96	11081	5.227	ug/l 92
22) Diisopropyl ether	5.91	45	31002	4.556	ug/l # 94
23) Vinyl Acetate	5.84	43	122965	22.449	ug/l 100
24) 1,1-Dichloroethane	5.79	63	19605	4.892	ug/l 99
25) 2-Butanone	6.79	43	28727	23.923	ug/l 96
26) 2,2-Dichloropropane	6.78	77	17051	4.554	ug/l 99
27) cis-1,2-Dichloroethene	6.78	96	12370	5.281	ug/l 94
28) Bromochloromethane	7.14	49	8910	4.440	ug/l # 99
29) Tetrahydrofuran	7.17	42	20123	24.879	ug/l 97
30) Chloroform	7.33	83	20503	4.758	ug/l 97
31) Cyclohexane	7.62	56	18394	5.521	ug/l # 84
32) 1,1,1-Trichloroethane	7.52	97	17558	4.479	ug/l 99
36) 1,1-Dichloropropene	7.75	75	14673	5.009	ug/l 97
37) Ethyl Acetate	6.88	43	13494	5.428	ug/l # 97
38) Carbon Tetrachloride	7.73	117	15380	4.982	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	15456	5.764	ug/l	98
40) Benzene	8.00	78	44858	5.437	ug/l	96
41) Methacrylonitrile	7.13	41	5165	4.582	ug/l #	92
42) 1,2-Dichloroethane	8.08	62	15689	4.581	ug/l	99
43) Isopropyl Acetate	8.13	43	21748	4.583	ug/l	97
44) Trichloroethene	8.80	130	13344	5.573	ug/l	96
45) 1,2-Dichloropropane	9.08	63	11145	5.088	ug/l	94
46) Dibromomethane	9.17	93	7627	4.968	ug/l	97
47) Bromodichloromethane	9.37	83	15416	4.798	ug/l	93
48) Methyl methacrylate	9.17	41	10273	4.604	ug/l	97
49) 1,4-Dioxane	9.16	88	3840	127.293	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	63636	24.635	ug/l	99
52) Toluene	10.12	92	26991	5.330	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	16618	4.824	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	18011	5.011	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	11361	5.595	ug/l	93
56) Ethyl methacrylate	10.40	69	14139	4.989	ug/l	96
57) 1,3-Dichloropropane	10.68	76	18080	5.144	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.67	63	37651	24.099	ug/l	99
59) 2-Hexanone	10.72	43	43798	23.481	ug/l	96
60) Dibromochloromethane	10.87	129	11921	5.062	ug/l	99
61) 1,2-Dibromoethane	10.98	107	11278	5.197	ug/l	97
64) Tetrachloroethene	10.60	164	14944	6.489	ug/l	97
65) Chlorobenzene	11.41	112	30152	5.548	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	10934	5.359	ug/l	97
67) Ethyl Benzene	11.49	91	48694	5.109	ug/l	100
68) m/p-Xylenes	11.59	106	36122	10.486	ug/l	98
69) o-Xylene	11.92	106	17069	5.104	ug/l	98
70) Styrene	11.94	104	28010	4.947	ug/l	98
71) Bromoform	12.10	173	8585	5.994	ug/l #	94
73) Isopropylbenzene	12.22	105	44273	5.021	ug/l	100
74) N-amyl acetate	12.05	43	17031	4.244	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	14245	5.751	ug/l	92
76) 1,2,3-Trichloropropane	12.53	75	13836m	5.168	ug/l	
77) Bromobenzene	12.50	156	12458	5.557	ug/l	97
78) n-propylbenzene	12.57	91	50562	4.941	ug/l	99
79) 2-Chlorotoluene	12.65	91	32490	4.990	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	37056	5.065	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	4434	4.578	ug/l #	64
82) 4-Chlorotoluene	12.75	91	33527	4.851	ug/l	99
83) tert-Butylbenzene	12.97	119	30521	5.341	ug/l	95
84) 1,2,4-Trimethylbenzene	13.01	105	36922	4.956	ug/l	99
85) sec-Butylbenzene	13.15	105	40580	5.316	ug/l	99
86) p-Isopropyltoluene	13.26	119	36023	5.121	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	22516	5.538	ug/l	97
88) 1,4-Dichlorobenzene	13.34	146	23326	5.575	ug/l	97
89) n-Butylbenzene	13.59	91	31519	4.858	ug/l	99
90) Hexachloroethane	13.85	117	6279	5.354	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	21764	5.457	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	2980	4.672	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	11860	5.316	ug/l	96
94) Hexachlorobutadiene	14.98	225	6595	5.842	ug/l	96
95) Naphthalene	15.10	128	32624	4.619	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	11446	5.335	ug/l	97

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

