

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020720\
 Data File : VN060032.D
 Acq On : 7 Feb 2020 16:06
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/10/2020 9:32:33 AM

Quant Time: Feb 07 23:56:14 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	182684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	284495	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	265173	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	139746	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	105158	51.83	ug/l	0.00
Spiked Amount			Recovery	=	103.66%	
35) Dibromofluoromethane	7.56	113	88115	51.94	ug/l	0.00
Spiked Amount			Recovery	=	103.88%	
50) Toluene-d8	10.08	98	330291	50.25	ug/l	0.00
Spiked Amount			Recovery	=	100.50%	
62) 4-Bromofluorobenzene	12.40	95	128546	54.25	ug/l	0.00
Spiked Amount			Recovery	=	108.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	82567	38.212	ug/l	99
3) Chloromethane	2.04	50	83099	39.732	ug/l	98
4) Vinyl Chloride	2.17	62	110113	46.014	ug/l	96
5) Bromomethane	2.54	94	67662	46.331	ug/l	97
6) Chloroethane	2.68	64	53385	47.153	ug/l	95
7) Trichlorofluoromethane	3.00	101	135126	47.018	ug/l	97
8) Diethyl Ether	3.38	74	49986	49.561	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.74	101	81067	50.682	ug/l	93
10) Methyl Iodide	3.93	142	104195	40.301	ug/l	96
11) Tert butyl alcohol	4.73	59	76783	224.821	ug/l	99
12) 1,1-Dichloroethene	3.72	96	74599	44.634	ug/l	91
13) Acrolein	3.57	56	120725	499.356	ug/l	97
14) Allyl chloride	4.29	41	107405	47.676	ug/l #	83
15) Acrylonitrile	4.94	53	202012	259.303	ug/l	100
16) Acetone	3.78	43	173385	250.599	ug/l	95
17) Carbon Disulfide	4.03	76	169940	35.693	ug/l	100
18) Methyl Acetate	4.28	43	124352	52.475	ug/l	93
19) Methyl tert-butyl Ether	5.00	73	282901	51.914	ug/l	95
20) Methylene Chloride	4.52	84	89644	48.809	ug/l	90
21) trans-1,2-Dichloroethene	5.01	96	81043	45.616	ug/l	89
22) Diisopropyl ether	5.91	45	268910	52.673	ug/l #	96
23) Vinyl Acetate	5.86	43	1007280	254.832	ug/l	96
24) 1,1-Dichloroethane	5.82	63	157809	50.589	ug/l	97
25) 2-Butanone	6.80	43	266150	231.663	ug/l	91
26) 2,2-Dichloropropane	6.79	77	153818	51.290	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	102866	50.339	ug/l	89
28) Bromochloromethane	7.17	49	59926	48.064	ug/l #	77
29) Tetrahydrofuran	7.18	42	172518	242.700	ug/l	90
30) Chloroform	7.35	83	170196	52.658	ug/l	99
31) Cyclohexane	7.63	56	125924	41.951	ug/l	89
32) 1,1,1-Trichloroethane	7.54	97	152724	51.105	ug/l	97
36) 1,1-Dichloropropene	7.77	75	118573	47.860	ug/l	96
37) Ethyl Acetate	6.89	43	109738	47.226	ug/l	95
38) Carbon Tetrachloride	7.75	117	133368	49.487	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	140209	45.898	ug/l	93
40) Benzene	8.02	78	359912	48.711	ug/l	99
41) Methacrylonitrile	7.15	41	56520m	49.382	ug/l	
42) 1,2-Dichloroethane	8.10	62	133972	53.478	ug/l	98
43) Isopropyl Acetate	8.14	43	199670	49.958	ug/l	96
44) Trichloroethene	8.82	130	99411	49.285	ug/l	94
45) 1,2-Dichloropropane	9.10	63	96378	52.713	ug/l	99
46) Dibromomethane	9.19	93	67598	52.412	ug/l	93
47) Bromodichloromethane	9.38	83	140978	54.243	ug/l	100
48) Methyl methacrylate	9.18	41	86608	48.445	ug/l	89
49) 1,4-Dioxane	9.18	88	33050	1009.856	ug/l	92
51) 4-Methyl-2-Pentanone	9.97	43	584381	252.932	ug/l	95
52) Toluene	10.14	92	234408	50.226	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	158435	54.595	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	163035	53.393	ug/l	94
55) 1,1,2-Trichloroethane	10.55	97	98759	53.428	ug/l	99
56) Ethyl methacrylate	10.42	69	144411	51.129	ug/l	93
57) 1,3-Dichloropropane	10.70	76	158173	53.899	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	238119	279.902	ug/l	92
59) 2-Hexanone	10.74	43	427158	250.959	ug/l	95
60) Dibromochloromethane	10.89	129	115667	54.951	ug/l	99
61) 1,2-Dibromoethane	11.00	107	101573	52.428	ug/l	100
64) Tetrachloroethene	10.62	164	95493	44.186	ug/l	97
65) Chlorobenzene	11.43	112	268040	51.427	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	105872	52.570	ug/l	98
67) Ethyl Benzene	11.50	91	476125	50.322	ug/l	99
68) m/p-Xylenes	11.62	106	359183	100.498	ug/l	95
69) o-Xylene	11.94	106	175749	50.228	ug/l	95
70) Styrene	11.96	104	295581	50.483	ug/l	97
71) Bromoform	12.12	173	87501	54.241	ug/l #	98
73) Isopropylbenzene	12.25	105	482755	47.103	ug/l	100
74) N-amyl acetate	12.06	43	182507	45.892	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	146728	49.384	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	128458m	54.621	ug/l	
77) Bromobenzene	12.52	156	122114	47.050	ug/l	84
78) n-propylbenzene	12.59	91	556079	48.341	ug/l	98
79) 2-Chlorotoluene	12.67	91	326280	47.678	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	406012	47.105	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	53095	48.483	ug/l	96
82) 4-Chlorotoluene	12.77	91	335087	48.818	ug/l	96
83) tert-Butylbenzene	12.99	119	352216	47.248	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	408367	47.890	ug/l	99
85) sec-Butylbenzene	13.17	105	475664	48.566	ug/l	100
86) p-Isopropyltoluene	13.28	119	441431	48.709	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	220867	48.990	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	219663	48.840	ug/l	98
89) n-Butylbenzene	13.61	91	393475	50.921	ug/l	99
90) Hexachloroethane	13.87	117	84055	49.572	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	216392	48.551	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29750	46.504	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	135705	50.671	ug/l	99
94) Hexachlorobutadiene	15.01	225	71569	48.494	ug/l	99
95) Naphthalene	15.13	128	355355	46.649	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	130236	49.960	ug/l	99

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

