

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030619\
 Data File : VN054111.D
 Acq On : 6 Mar 2019 10:35
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Mar 07 05:56:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 05:44:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	614158	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	985115	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	830513	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	323166	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	35872	4.86	ug/l	0.00
Spiked Amount			Recovery	=	9.72%	
35) Dibromofluoromethane	7.59	113	31770	4.97	ug/l	0.00
Spiked Amount			Recovery	=	9.94%	
50) Toluene-d8	10.09	98	113118	4.66	ug/l	0.00
Spiked Amount			Recovery	=	9.32%	
62) 4-Bromofluorobenzene	12.40	95	34847	4.41	ug/l	0.00
Spiked Amount			Recovery	=	8.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	32862	5.567	ug/l	99
3) Chloromethane	2.05	50	44673	5.282	ug/l	96
4) Vinyl Chloride	2.18	62	42049	5.258	ug/l	100
5) Bromomethane	2.57	94	25058	4.832	ug/l	90
6) Chloroethane	2.70	64	25431	5.246	ug/l	96
7) Trichlorofluoromethane	3.02	101	53145	5.439	ug/l	100
8) Diethyl Ether	3.41	74	18994	4.879	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	34253	5.389	ug/l	99
10) Methyl Iodide	3.95	142	28344	4.202	ug/l	98
11) Tert butyl alcohol	4.78	59	10608	23.640	ug/l #	92
12) 1,1-Dichloroethene	3.74	96	30614	5.163	ug/l	96
13) Acrolein	3.61	56	9961	25.241	ug/l	97
14) Allyl chloride	4.32	41	52867	4.948	ug/l	99
15) Acrylonitrile	4.99	53	56949	22.484	ug/l	97
16) Acetone	3.81	43	55794	24.450	ug/l	98
17) Carbon Disulfide	4.05	76	98350	5.085	ug/l	98
18) Methyl Acetate	4.33	43	26301	4.521	ug/l	97
19) Methyl tert-butyl Ether	5.04	73	75518	4.538	ug/l	100
20) Methylene Chloride	4.55	84	37995	5.240	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	33715	5.179	ug/l	89
22) Diisopropyl ether	5.95	45	95896	4.607	ug/l	95
23) Vinyl Acetate	5.90	43	320371	21.665	ug/l	99
24) 1,1-Dichloroethane	5.85	63	64381	5.169	ug/l	99
25) 2-Butanone	6.84	43	71246	23.572	ug/l	100
26) 2,2-Dichloropropane	6.82	77	45660	5.086	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	37169	5.121	ug/l	96
28) Bromochloromethane	7.19	49	30315	4.877	ug/l	100
29) Tetrahydrofuran	7.21	42	40465	20.426	ug/l	97
30) Chloroform	7.37	83	61792	5.178	ug/l	100
31) Cyclohexane	7.65	56	66232	4.898	ug/l #	78
32) 1,1,1-Trichloroethane	7.57	97	51942	5.250	ug/l	97
36) 1,1-Dichloropropene	7.79	75	47186	5.103	ug/l	98
37) Ethyl Acetate	6.93	43	28954	4.368	ug/l #	92
38) Carbon Tetrachloride	7.77	117	45481	5.152	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	53151	4.981	ug/l	97
40) Benzene	8.04	78	141733	5.181	ug/l	96
41) Methacrylonitrile	7.17	41	15538	3.856	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	45490	5.250	ug/l	100
43) Isopropyl Acetate	8.17	43	52064	5.053	ug/l #	84
44) Trichloroethene	8.83	130	38824	5.293	ug/l	92
45) 1,2-Dichloropropane	9.12	63	38100	5.049	ug/l	98
46) Dibromomethane	9.21	93	22227	5.160	ug/l	97
47) Bromodichloromethane	9.40	83	46512	5.158	ug/l	99
48) Methyl methacrylate	9.20	41	21149	4.157	ug/l	91
49) 1,4-Dioxane	9.20	88	6882	102.361	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	122312	20.720	ug/l	99
52) Toluene	10.16	92	79019	4.876	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	39925	4.489	ug/l	95
54) cis-1,3-Dichloropropene	9.84	75	49144	4.675	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	30479	4.994	ug/l	96
56) Ethyl methacrylate	10.43	69	28985	4.046	ug/l	95
57) 1,3-Dichloropropane	10.71	76	51750	4.970	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.69	63	60941	18.584	ug/l	98
59) 2-Hexanone	10.75	43	81846	21.017	ug/l	97
60) Dibromochloromethane	10.90	129	31362	4.806	ug/l	96
61) 1,2-Dibromoethane	11.01	107	26920	4.636	ug/l	96
64) Tetrachloroethene	10.63	164	38962	5.716	ug/l	95
65) Chlorobenzene	11.43	112	87706	5.075	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	30784	4.976	ug/l	99
67) Ethyl Benzene	11.51	91	141839	4.904	ug/l	98
68) m/p-Xylenes	11.62	106	103857	9.516	ug/l	98
69) o-Xylene	11.95	106	50924	4.849	ug/l	97
70) Styrene	11.96	104	75481	4.528	ug/l	98
71) Bromoform	12.13	173	20756	4.875	ug/l #	98
73) Isopropylbenzene	12.25	105	138066	5.369	ug/l	99
74) N-amyl acetate	12.07	43	30194	4.434	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	32226	4.815	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	39054	7.729	ug/l #	100
77) Bromobenzene	12.53	156	31999	4.830	ug/l	94
78) n-propylbenzene	12.59	91	148186	5.121	ug/l	99
79) 2-Chlorotoluene	12.67	91	91795	5.223	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	108565	5.194	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	7107	4.432	ug/l	87
82) 4-Chlorotoluene	12.77	91	89168	5.090	ug/l	99
83) tert-Butylbenzene	12.99	119	97459	5.265	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	106044	5.111	ug/l	99
85) sec-Butylbenzene	13.17	105	132285	5.266	ug/l	99
86) p-Isopropyltoluene	13.29	119	106359	5.036	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	57097	5.074	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	55408	4.961	ug/l	96
89) n-Butylbenzene	13.62	91	81502	4.571	ug/l	99
90) Hexachloroethane	13.87	117	21510	5.310	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	55481	4.953	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	4289	4.571	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	17589	3.289	ug/l	99
94) Hexachlorobutadiene	15.01	225	22797	5.686	ug/l	96
95) Naphthalene	15.13	128	29974	2.718	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	18376	3.414	ug/l	97

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

