

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040219\
 Data File : VN054912.D
 Acq On : 2 Apr 2019 19:48
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/3/2019 10:44:13 AM

Quant Time: Apr 03 06:58:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	415465	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	684391	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	608934	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	269448	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	286061	51.08	ug/l	0.00
Spiked Amount			Recovery	=	102.16%	
35) Dibromofluoromethane	7.59	113	230811	50.59	ug/l	0.00
Spiked Amount			Recovery	=	101.18%	
50) Toluene-d8	10.09	98	849953	50.11	ug/l	0.00
Spiked Amount			Recovery	=	100.22%	
62) 4-Bromofluorobenzene	12.40	95	286851	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	193653	46.081	ug/l	99
3) Chloromethane	2.06	50	276048	47.507	ug/l	98
4) Vinyl Chloride	2.19	62	251085	48.118	ug/l	99
5) Bromomethane	2.57	94	138309	50.582	ug/l	97
6) Chloroethane	2.71	64	145950	50.090	ug/l	99
7) Trichlorofluoromethane	3.03	101	327112	50.990	ug/l	100
8) Diethyl Ether	3.41	74	110484	53.485	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	3.75	101	170913	50.609	ug/l	93
10) Methyl Iodide	3.94	142	245595	53.122	ug/l #	88
11) Tert butyl alcohol	4.82	59	79786	273.427	ug/l	98
12) 1,1-Dichloroethene	3.73	96	168261	51.522	ug/l #	75
13) Acrolein	3.61	56	69018	264.574	ug/l	99
14) Allyl chloride	4.32	41	408598	50.795	ug/l #	91
15) Acrylonitrile	5.00	53	443865	273.667	ug/l	100
16) Acetone	3.82	43	306155	229.237	ug/l #	82
17) Carbon Disulfide	4.04	76	491365	46.389	ug/l	100
18) Methyl Acetate	4.33	43	199445	57.472	ug/l #	88
19) Methyl tert-butyl Ether	5.06	73	612484	53.615	ug/l	95
20) Methylene Chloride	4.55	84	239637	50.868	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	219149	51.089	ug/l	86
22) Diisopropyl ether	5.96	45	870580	54.719	ug/l #	94
23) Vinyl Acetate	5.90	43	3100184	280.008	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	455164	53.631	ug/l	97
25) 2-Butanone	6.85	43	539735	273.396	ug/l #	88
26) 2,2-Dichloropropane	6.82	77	305498	51.358	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	256817	52.997	ug/l	88
28) Bromochloromethane	7.19	49	236707	55.777	ug/l #	70
29) Tetrahydrofuran	7.22	42	367902	268.313	ug/l #	82
30) Chloroform	7.37	83	437606	54.074	ug/l	96
31) Cyclohexane	7.65	56	412428	53.476	ug/l	85
32) 1,1,1-Trichloroethane	7.57	97	359825	53.653	ug/l	95
36) 1,1-Dichloropropene	7.79	75	324912	50.949	ug/l	96
37) Ethyl Acetate	6.94	43	243716	52.114	ug/l	95
38) Carbon Tetrachloride	7.77	117	314693	50.806	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	348645	49.728	ug/l	91
40) Benzene	8.04	78	964403	52.851	ug/l	98
41) Methacrylonitrile	7.18	41	141258	53.770	ug/l	89
42) 1,2-Dichloroethane	8.12	62	342179	52.518	ug/l	97
43) Isopropyl Acetate	8.17	43	421758	55.504	ug/l #	94
44) Trichloroethene	8.84	130	247149	52.176	ug/l	93
45) 1,2-Dichloropropane	9.12	63	274797	52.814	ug/l	99
46) Dibromomethane	9.21	93	153888	52.576	ug/l	89
47) Bromodichloromethane	9.40	83	331853	54.553	ug/l	97
48) Methyl methacrylate	9.20	41	209720	50.914	ug/l	90
49) 1,4-Dioxane	9.20	88	43927	1074.782	ug/l #	86
51) 4-Methyl-2-Pentanone	9.99	43	1199331	280.729	ug/l	92
52) Toluene	10.16	92	573460	52.814	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	326724	57.098	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	387296	56.660	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	213301	52.831	ug/l	95
56) Ethyl methacrylate	10.43	69	298025	56.271	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	377767	54.424	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	608736	266.127	ug/l	89
59) 2-Hexanone	10.75	43	737884	269.803	ug/l	91
60) Dibromochloromethane	10.90	129	230674	56.402	ug/l	100
61) 1,2-Dibromoethane	11.01	107	206993	53.648	ug/l	99
64) Tetrachloroethene	10.63	164	227319	48.647	ug/l	97
65) Chlorobenzene	11.43	112	608822	51.066	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	234345	52.515	ug/l	99
67) Ethyl Benzene	11.51	91	1096648	50.973	ug/l	98
68) m/p-Xylenes	11.62	106	809431	101.666	ug/l	94
69) o-Xylene	11.95	106	399176	51.129	ug/l	95
70) Styrene	11.96	104	676768	54.215	ug/l	97
71) Bromoform	12.13	173	141945	54.296	ug/l #	100
73) Isopropylbenzene	12.25	105	1060009	48.131	ug/l	98
74) N-amyl acetate	12.07	43	348560	50.801	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.50	83	263602	54.447	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	236426m	50.508	ug/l	
77) Bromobenzene	12.53	156	261918	49.276	ug/l	85
78) n-propylbenzene	12.59	91	1182304	48.843	ug/l	96
79) 2-Chlorotoluene	12.67	91	718520	47.979	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	872779	48.297	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	61711	51.280	ug/l #	84
82) 4-Chlorotoluene	12.77	91	714636	49.130	ug/l	95
83) tert-Butylbenzene	12.99	119	739694	52.952	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	869809	50.522	ug/l	97
85) sec-Butylbenzene	13.17	105	959622	48.884	ug/l	97
86) p-Isopropyltoluene	13.29	119	849565	49.067	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	439786	49.419	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	422099	48.360	ug/l	98
89) n-Butylbenzene	13.61	91	700517	49.589	ug/l	97
90) Hexachloroethane	13.87	117	142055	48.323	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	437310	48.692	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	39208	52.076	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	214690	49.583	ug/l	98
94) Hexachlorobutadiene	15.01	225	129625	50.574	ug/l	99
95) Naphthalene	15.13	128	474160	48.826	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	210705	48.185	ug/l	98

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

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