

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032719\
 Data File : VN054731.D
 Acq On : 27 Mar 2019 19:14
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/28/2019 12:44:49 PM

Quant Time: Mar 28 07:31:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	400269	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	668287	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	580141	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	253653	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	269836	54.20	ug/l	0.00
Spiked Amount			Recovery	=	108.40%	
35) Dibromofluoromethane	7.59	113	215492	50.05	ug/l	0.00
Spiked Amount			Recovery	=	100.10%	
50) Toluene-d8	10.09	98	787173	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
62) 4-Bromofluorobenzene	12.40	95	270899	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	190799	49.863	ug/l	96
3) Chloromethane	2.06	50	262435	50.408	ug/l	100
4) Vinyl Chloride	2.19	62	243610	46.606	ug/l	97
5) Bromomethane	2.57	94	138680	41.030	ug/l	100
6) Chloroethane	2.71	64	135858	43.333	ug/l	98
7) Trichlorofluoromethane	3.02	101	310333	48.888	ug/l	100
8) Diethyl Ether	3.41	74	105068	43.037	ug/l	69
9) 1,1,2-Trichlorotrifluoroet	3.75	101	163102	43.720	ug/l	94
10) Methyl Iodide	3.95	142	241069	43.928	ug/l #	87
11) Tert butyl alcohol	4.82	59	78788	261.387	ug/l	100
12) 1,1-Dichloroethene	3.73	96	156424	40.517	ug/l #	74
13) Acrolein	3.61	56	135208	325.046	ug/l	96
14) Allyl chloride	4.32	41	392214	53.949	ug/l #	91
15) Acrylonitrile	5.00	53	427102	284.535	ug/l	99
16) Acetone	3.82	43	297405	198.687	ug/l #	82
17) Carbon Disulfide	4.04	76	442446	42.771	ug/l	99
18) Methyl Acetate	4.33	43	195339	58.549	ug/l #	88
19) Methyl tert-butyl Ether	5.06	73	601228	53.360	ug/l	94
20) Methylene Chloride	4.55	84	226139	51.251	ug/l #	83
21) trans-1,2-Dichloroethene	5.04	96	205144	52.037	ug/l #	82
22) Diisopropyl ether	5.96	45	830770	57.934	ug/l #	94
23) Vinyl Acetate	5.90	43	2987831	295.011	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	430560	55.764	ug/l	97
25) 2-Butanone	6.85	43	534946	278.987	ug/l #	88
26) 2,2-Dichloropropane	6.83	77	285532	51.878	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	249604	53.082	ug/l	88
28) Bromochloromethane	7.19	49	219048	57.637	ug/l #	71
29) Tetrahydrofuran	7.22	42	362047	290.963	ug/l #	83
30) Chloroform	7.37	83	418771	55.576	ug/l	100
31) Cyclohexane	7.65	56	385202	52.145	ug/l	85
32) 1,1,1-Trichloroethane	7.57	97	346930	55.808	ug/l	95
36) 1,1-Dichloropropene	7.79	75	309832	49.585	ug/l	95
37) Ethyl Acetate	6.94	43	234218	52.702	ug/l	95
38) Carbon Tetrachloride	7.77	117	299320	49.294	ug/l	98

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39) Methylcyclohexane	9.08	83	326247	45.644	ug/l	91
40) Benzene	8.04	78	920177	51.499	ug/l	100
41) Methacrylonitrile	7.18	41	137600	50.769	ug/l #	89
42) 1,2-Dichloroethane	8.13	62	332798	51.144	ug/l	97
43) Isopropyl Acetate	8.17	43	423654	56.445	ug/l #	92
44) Trichloroethene	8.83	130	237146	47.738	ug/l	95
45) 1,2-Dichloropropane	9.12	63	264844	55.200	ug/l	98
46) Dibromomethane	9.21	93	151145	52.805	ug/l	88
47) Bromodichloromethane	9.40	83	319352	53.760	ug/l	99
48) Methyl methacrylate	9.20	41	208784	51.251	ug/l	88
49) 1,4-Dioxane	9.20	88	42470	932.542	ug/l #	83
51) 4-Methyl-2-Pentanone	9.99	43	1182145	284.195	ug/l	92
52) Toluene	10.16	92	545850	49.669	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	305426	48.796	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	368077	54.040	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	210012	53.163	ug/l	96
56) Ethyl methacrylate	10.43	69	284270	53.613	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	364955	53.146	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	539758	247.218	ug/l	89
59) 2-Hexanone	10.75	43	722153	265.789	ug/l	90
60) Dibromochloromethane	10.90	129	222358	52.897	ug/l	98
61) 1,2-Dibromoethane	11.01	107	202334	51.808	ug/l	99
64) Tetrachloroethene	10.63	164	220865	45.899	ug/l	95
65) Chlorobenzene	11.43	112	578483	49.027	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	226874	53.569	ug/l	99
67) Ethyl Benzene	11.51	91	1046396	50.204	ug/l	97
68) m/p-Xylenes	11.62	106	762733	96.613	ug/l	95
69) o-Xylene	11.95	106	375172	48.660	ug/l	96
70) Styrene	11.96	104	626943	50.073	ug/l	97
71) Bromoform	12.13	173	138139	47.430	ug/l #	99
73) Isopropylbenzene	12.25	105	988443	48.358	ug/l	98
74) N-amyl acetate	12.07	43	330497	56.234	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	258451	55.391	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	226688m	56.319	ug/l	
77) Bromobenzene	12.53	156	243821	48.097	ug/l	84
78) n-propylbenzene	12.59	91	1097278	49.507	ug/l	97
79) 2-Chlorotoluene	12.67	91	671830	48.608	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	808800	48.280	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	56562	48.542	ug/l #	82
82) 4-Chlorotoluene	12.77	91	659206	49.204	ug/l	96
83) tert-Butylbenzene	12.99	119	694107	47.600	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	794633	48.342	ug/l	99
85) sec-Butylbenzene	13.17	105	880642	48.446	ug/l	97
86) p-Isopropyltoluene	13.29	119	777519	47.810	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	409516	48.747	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	398455	48.749	ug/l	99
89) n-Butylbenzene	13.61	91	637706	50.149	ug/l	97
90) Hexachloroethane	13.87	117	138473	54.855	ug/l	86
91) 1,2-Dichlorobenzene	13.65	146	405141	49.791	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36825	53.808	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	199314	49.137	ug/l	99
94) Hexachlorobutadiene	15.01	225	119457	52.542	ug/l	98
95) Naphthalene	15.13	128	449914	49.727	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	198621	49.199	ug/l	99

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

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