

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032119\
 Data File : VN054526.D
 Acq On : 21 Mar 2019 22:07
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 4:15:42 PM

Quant Time: Mar 22 11:08:30 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	490639	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	817932	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	704628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	304508	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	344823	56.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.00%	
35) Dibromofluoromethane	7.59	113	272209	51.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.32%	
50) Toluene-d8	10.09	98	1004818	50.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.44%	
62) 4-Bromofluorobenzene	12.40	95	337486	50.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.12%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	243414	51.896	ug/l	100
3) Chloromethane	2.06	50	325747	51.044	ug/l	98
4) Vinyl Chloride	2.19	62	324180	50.597	ug/l	99
5) Bromomethane	2.57	94	148388	35.816	ug/l	97
6) Chloroethane	2.71	64	184144	47.916	ug/l	99
7) Trichlorofluoromethane	3.02	101	391211	50.278	ug/l	98
8) Diethyl Ether	3.41	74	143597	47.985	ug/l	70
9) 1,1,2-Trichlorotrifluoroet	3.75	101	206166	45.084	ug/l	95
10) Methyl Iodide	3.94	142	280106	41.641	ug/l	93
11) Tert butyl alcohol	4.82	59	106376	287.911	ug/l #	84
12) 1,1-Dichloroethene	3.73	96	218664	46.206	ug/l #	79
13) Acrolein	3.61	56	129107	253.211	ug/l	93
14) Allyl chloride	4.32	41	474968	53.299	ug/l #	91
15) Acrylonitrile	5.00	53	532325	289.315	ug/l	99
16) Acetone	3.82	43	392128	213.717	ug/l #	84
17) Carbon Disulfide	4.04	76	611122	48.196	ug/l	100
18) Methyl Acetate	4.33	43	232809	56.927	ug/l	91
19) Methyl tert-butyl Ether	5.06	73	757441	54.843	ug/l	96
20) Methylene Chloride	4.54	84	279259	51.632	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	258440	53.482	ug/l	86
22) Diisopropyl ether	5.96	45	978813	55.685	ug/l	96
23) Vinyl Acetate	5.90	43	3650698	294.068	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	521347	55.085	ug/l	98
25) 2-Butanone	6.85	43	670403	285.233	ug/l	90
26) 2,2-Dichloropropane	6.82	77	322041	47.734	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	302043	52.403	ug/l	88
28) Bromochloromethane	7.20	49	266528	57.213	ug/l #	75
29) Tetrahydrofuran	7.22	42	460250	301.756	ug/l #	86
30) Chloroform	7.37	83	500888	54.230	ug/l	100
31) Cyclohexane	7.65	56	478233	52.839	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	417623	54.806	ug/l	96
36) 1,1-Dichloropropene	7.79	75	382381	49.999	ug/l	96
37) Ethyl Acetate	6.94	43	305299	56.128	ug/l	96
38) Carbon Tetrachloride	7.77	117	367659	49.471	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	407440	46.574	ug/l	89
40) Benzene	8.04	78	1118468	51.144	ug/l	99
41) Methacrylonitrile	7.18	41	176859	53.316	ug/l	88
42) 1,2-Dichloroethane	8.13	62	401506	50.414	ug/l	98
43) Isopropyl Acetate	8.17	43	510067	55.525	ug/l #	95
44) Trichloroethene	8.84	130	296329	48.738	ug/l	94
45) 1,2-Dichloropropane	9.12	63	311473	53.041	ug/l	99
46) Dibromomethane	9.21	93	182226	52.016	ug/l	91
47) Bromodichloromethane	9.40	83	384863	52.935	ug/l	96
48) Methyl methacrylate	9.20	41	266134	53.377	ug/l	88
49) 1,4-Dioxane	9.20	88	55518	996.015	ug/l #	83
51) 4-Methyl-2-Pentanone	9.99	43	1454996	285.794	ug/l	94
52) Toluene	10.16	92	658587	48.964	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	359407	47.001	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	443226	53.167	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	250213	51.751	ug/l	96
56) Ethyl methacrylate	10.43	69	358931	55.309	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	440468	52.407	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	707567	264.785	ug/l	90
59) 2-Hexanone	10.75	43	905432	272.276	ug/l	93
60) Dibromochloromethane	10.90	129	274798	53.412	ug/l	100
61) 1,2-Dibromoethane	11.01	107	249864	52.273	ug/l	100
64) Tetrachloroethene	10.63	164	271730	46.493	ug/l	97
65) Chlorobenzene	11.43	112	701628	48.958	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	270920	52.668	ug/l	100
67) Ethyl Benzene	11.51	91	1249238	49.347	ug/l	97
68) m/p-Xylenes	11.62	106	927754	96.754	ug/l	96
69) o-Xylene	11.95	106	454457	48.530	ug/l	97
70) Styrene	11.96	104	756627	49.755	ug/l	97
71) Bromoform	12.13	173	167641	47.392	ug/l #	100
73) Isopropylbenzene	12.25	105	1196042	48.743	ug/l	98
74) N-amyl acetate	12.07	43	404798	57.373	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	303158	54.122	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	279064m	57.752	ug/l	
77) Bromobenzene	12.53	156	300148	49.320	ug/l	86
78) n-propylbenzene	12.59	91	1305886	49.079	ug/l	97
79) 2-Chlorotoluene	12.67	91	803087	48.401	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	976579	48.560	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	65482	46.925	ug/l #	84
82) 4-Chlorotoluene	12.77	91	787545	48.966	ug/l	96
83) tert-Butylbenzene	12.99	119	852672	48.709	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	972164	49.265	ug/l	99
85) sec-Butylbenzene	13.17	105	1052029	48.209	ug/l	97
86) p-Isopropyltoluene	13.29	119	948311	48.573	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	493329	48.917	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	478900	48.806	ug/l	98
89) n-Butylbenzene	13.62	91	744877	48.794	ug/l	98
90) Hexachloroethane	13.88	117	157425	51.947	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	490922	50.257	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	47720	58.082	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	245608	50.438	ug/l	99
94) Hexachlorobutadiene	15.01	225	134251	49.021	ug/l	99
95) Naphthalene	15.13	128	574936	52.932	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	247529	51.073	ug/l	99

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

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