

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021419\
 Data File : VN053788.D
 Acq On : 14 Feb 2019 19:09
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/15/2019 10:19:58 AM

Quant Time: Feb 15 02:34:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	708498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1088661	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	953660	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	464392	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	360936	50.78	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.56%		
35) Dibromofluoromethane	7.59	113	353545	51.40	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.80%		
50) Toluene-d8	10.09	98	1280048	49.56	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.12%		
62) 4-Bromofluorobenzene	12.40	95	430516	49.98	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.96%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	346412	43.414	ug/l	100
3) Chloromethane	2.06	50	388650	46.206	ug/l	98
4) Vinyl Chloride	2.19	62	407608	49.920	ug/l	99
5) Bromomethane	2.57	94	263461	49.348	ug/l	98
6) Chloroethane	2.71	64	246903	52.915	ug/l	100
7) Trichlorofluoromethane	3.02	101	531736	48.023	ug/l	99
8) Diethyl Ether	3.41	74	198111	48.992	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	332154	48.504	ug/l	98
10) Methyl Iodide	3.96	142	501482	46.657	ug/l	100
11) Tert butyl alcohol	4.78	59	105126	249.916	ug/l	99
12) 1,1-Dichloroethene	3.74	96	309571	47.184	ug/l	98
13) Acrolein	3.61	56	56094	244.927	ug/l	98
14) Allyl chloride	4.33	41	493865	47.277	ug/l	99
15) Acrylonitrile	4.99	53	596698	262.764	ug/l	99
16) Acetone	3.81	43	389252	213.509	ug/l	99
17) Carbon Disulfide	4.06	76	833620	40.805	ug/l	100
18) Methyl Acetate	4.32	43	301770	55.892	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	868462	52.216	ug/l	100
20) Methylene Chloride	4.55	84	360993	47.197	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	331129	46.781	ug/l	99
22) Diisopropyl ether	5.95	45	1010045	52.182	ug/l	96
23) Vinyl Acetate	5.90	43	3382224	252.588	ug/l	98
24) 1,1-Dichloroethane	5.85	63	629617	48.768	ug/l	99
25) 2-Butanone	6.83	43	619047	238.080	ug/l	99
26) 2,2-Dichloropropane	6.82	77	434987	44.137	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	390593	49.626	ug/l	97
28) Bromochloromethane	7.20	49	276065	49.275	ug/l	96
29) Tetrahydrofuran	7.21	42	429527	257.256	ug/l	98
30) Chloroform	7.37	83	629883	49.217	ug/l	100
31) Cyclohexane	7.66	56	542170	45.089	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	529089	49.677	ug/l	99
36) 1,1-Dichloropropene	7.79	75	465485	47.433	ug/l	99
37) Ethyl Acetate	6.93	43	278645	50.839	ug/l	99
38) Carbon Tetrachloride	7.78	117	470708	47.613	ug/l	99

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39) Methylcyclohexane	9.08	83	532250	45.715	ug/l	98
40) Benzene	8.04	78	1448255	47.856	ug/l	99
41) Methacrylonitrile	7.17	41	152438	49.763	ug/l #	90
42) 1,2-Dichloroethane	8.12	62	431799	48.054	ug/l	99
43) Isopropyl Acetate	8.17	43	508948	48.083	ug/l	99
44) Trichloroethene	8.84	130	402832	46.756	ug/l	100
45) 1,2-Dichloropropane	9.12	63	384783	49.711	ug/l	100
46) Dibromomethane	9.21	93	228542	48.980	ug/l	97
47) Bromodichloromethane	9.40	83	483544	49.842	ug/l	99
48) Methyl methacrylate	9.20	41	233958m	46.304	ug/l	
49) 1,4-Dioxane	9.20	88	67492	924.923	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1357635	261.012	ug/l	100
52) Toluene	10.16	92	879798	48.985	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	479836	49.393	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	562376	48.852	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	328915	50.821	ug/l	99
56) Ethyl methacrylate	10.43	69	396433	51.778	ug/l	99
57) 1,3-Dichloropropane	10.71	76	551636	49.872	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	924381	196.449	ug/l	99
59) 2-Hexanone	10.75	43	848210	240.212	ug/l	99
60) Dibromochloromethane	10.90	129	373933	51.236	ug/l	100
61) 1,2-Dibromoethane	11.01	107	312978	48.859	ug/l	99
64) Tetrachloroethene	10.63	164	392479	48.010	ug/l	98
65) Chlorobenzene	11.44	112	963759	47.577	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	365242	51.628	ug/l	99
67) Ethyl Benzene	11.51	91	1610870	48.410	ug/l	99
68) m/p-Xylenes	11.62	106	1255356	98.846	ug/l	99
69) o-Xylene	11.95	106	616345	50.234	ug/l	98
70) Styrene	11.96	104	1005825	50.578	ug/l	99
71) Bromoform	12.13	173	258261	53.249	ug/l #	99
73) Isopropylbenzene	12.25	105	1597373	48.930	ug/l	100
74) N-amyl acetate	12.07	43	393880	50.174	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	379067	48.517	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	340669m	57.113	ug/l	
77) Bromobenzene	12.53	156	429525	48.819	ug/l	97
78) n-propylbenzene	12.59	91	1840133	48.759	ug/l	99
79) 2-Chlorotoluene	12.67	91	1099116	49.090	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1367088	50.499	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	103110	48.608	ug/l	99
82) 4-Chlorotoluene	12.77	91	1101850	47.958	ug/l	99
83) tert-Butylbenzene	12.99	119	1208906	50.526	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1396972	50.650	ug/l	100
85) sec-Butylbenzene	13.17	105	1640089	50.372	ug/l	100
86) p-Isopropyltoluene	13.29	119	1422789	49.964	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	751144	47.491	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	742070	47.430	ug/l	99
89) n-Butylbenzene	13.62	91	1182151	47.962	ug/l	100
90) Hexachloroethane	13.88	117	243888	51.924	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	740702	48.918	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	54646	49.076	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	405709	46.718	ug/l	99
94) Hexachlorobutadiene	15.01	225	261984	48.442	ug/l	99
95) Naphthalene	15.13	128	831192	41.066	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	388534	48.218	ug/l	100

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

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