

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062019\
 Data File : VN056409.D
 Acq On : 20 Jun 2019 17:47
 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
 6/21/2019 10:50:35 PM

Quant Time: Jun 21 05:39:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	383818	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	590783	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	525465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	219381	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	212535	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
35) Dibromofluoromethane	7.59	113	185073	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
50) Toluene-d8	10.09	98	708625	49.41	ug/l	0.00
Spiked Amount			Recovery	=	98.82%	
62) 4-Bromofluorobenzene	12.40	95	237323	49.64	ug/l	0.00
Spiked Amount			Recovery	=	99.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	159692	49.136	ug/l	98
3) Chloromethane	2.06	50	205401	46.416	ug/l	100
4) Vinyl Chloride	2.18	62	208406	48.761	ug/l	98
5) Bromomethane	2.53	94	122601m	48.930	ug/l	
6) Chloroethane	2.68	64	121521	49.096	ug/l	100
7) Trichlorofluoromethane	3.00	101	268197	48.510	ug/l	99
8) Diethyl Ether	3.41	74	114711	49.025	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	169865	48.178	ug/l	100
10) Methyl Iodide	3.95	142	244071	51.219	ug/l	100
11) Tert butyl alcohol	4.80	59	170854	238.468	ug/l	98
12) 1,1-Dichloroethene	3.73	96	167346	49.356	ug/l	98
13) Acrolein	3.60	56	116132	192.320	ug/l	98
14) Allyl chloride	4.32	41	283949	50.309	ug/l	100
15) Acrylonitrile	4.99	53	507838	256.212	ug/l	100
16) Acetone	3.82	43	446706	209.597	ug/l	100
17) Carbon Disulfide	4.05	76	359741	46.648	ug/l	99
18) Methyl Acetate	4.32	43	226962	54.449	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	567841	50.613	ug/l	100
20) Methylene Chloride	4.55	84	198386	49.366	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	178454	48.817	ug/l	96
22) Diisopropyl ether	5.95	45	593578	50.077	ug/l	96
23) Vinyl Acetate	5.90	43	2483793	265.671	ug/l	100
24) 1,1-Dichloroethane	5.85	63	336364	49.435	ug/l	99
25) 2-Butanone	6.84	43	693109	245.719	ug/l	98
26) 2,2-Dichloropropane	6.82	77	237630	50.214	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	211947	49.557	ug/l	98
28) Bromochloromethane	7.19	49	168483	50.061	ug/l	100
29) Tetrahydrofuran	7.21	42	452824	262.695	ug/l	99
30) Chloroform	7.37	83	333731	49.706	ug/l	99
31) Cyclohexane	7.65	56	305879	46.565	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	268184	50.392	ug/l	100
36) 1,1-Dichloropropene	7.79	75	247621	47.620	ug/l	98
37) Ethyl Acetate	6.93	43	271622	53.153	ug/l	99
38) Carbon Tetrachloride	7.77	117	222851	49.008	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	306579	47.781	ug/l	99
40) Benzene	8.04	78	774566	48.425	ug/l	99
41) Methacrylonitrile	7.18	41	124165	55.024	ug/l	90
42) 1,2-Dichloroethane	8.12	62	253965	48.111	ug/l	100
43) Isopropyl Acetate	8.17	43	420110	53.315	ug/l	100
44) Trichloroethene	8.83	130	214918	49.880	ug/l	99
45) 1,2-Dichloropropane	9.12	63	210767	49.272	ug/l	99
46) Dibromomethane	9.21	93	134847	50.386	ug/l	100
47) Bromodichloromethane	9.40	83	244592	51.531	ug/l	99
48) Methyl methacrylate	9.20	41	208703	52.853	ug/l	97
49) 1,4-Dioxane	9.20	88	76590	934.654	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	1327186	260.953	ug/l	100
52) Toluene	10.16	92	478731	48.955	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	264807	48.021	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	304997	53.359	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	200980	51.130	ug/l	99
56) Ethyl methacrylate	10.43	69	307485	53.527	ug/l	99
57) 1,3-Dichloropropane	10.71	76	333527	50.508	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	723950	350.798	ug/l	100
59) 2-Hexanone	10.75	43	928803	248.478	ug/l	99
60) Dibromochloromethane	10.90	129	192020	47.644	ug/l	100
61) 1,2-Dibromoethane	11.01	107	203883	50.785	ug/l	98
64) Tetrachloroethene	10.63	164	224720	54.003	ug/l	99
65) Chlorobenzene	11.43	112	516515	48.919	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	186334	52.216	ug/l	99
67) Ethyl Benzene	11.51	91	904096	48.767	ug/l	100
68) m/p-Xylenes	11.62	106	673459	99.122	ug/l	100
69) o-Xylene	11.95	106	331894	49.376	ug/l	99
70) Styrene	11.96	104	553321	51.500	ug/l	99
71) Bromoform	12.13	173	132978	46.431	ug/l #	100
73) Isopropylbenzene	12.25	105	875830	53.332	ug/l	100
74) N-amyl acetate	12.07	43	335084	47.993	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	265593	52.200	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	226940m	49.889	ug/l	
77) Bromobenzene	12.53	156	227201	46.317	ug/l	99
78) n-propylbenzene	12.59	91	954151	47.494	ug/l	100
79) 2-Chlorotoluene	12.67	91	576433	52.450	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	717202	52.039	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	66805	52.196	ug/l	96
82) 4-Chlorotoluene	12.77	91	552848	46.607	ug/l	99
83) tert-Butylbenzene	12.99	119	638447	53.248	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	702702	47.581	ug/l	100
85) sec-Butylbenzene	13.17	105	818511	46.354	ug/l	100
86) p-Isopropyltoluene	13.29	119	732544	48.340	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	361415	48.617	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	345388	47.974	ug/l	100
89) n-Butylbenzene	13.61	91	558911	48.719	ug/l	99
90) Hexachloroethane	13.87	117	111078	47.015	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	354944	48.125	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	43222	53.246	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	162528	43.178	ug/l	97
94) Hexachlorobutadiene	15.01	225	123636	49.444	ug/l	99
95) Naphthalene	15.13	128	448412	45.230	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	177716	45.134	ug/l	98

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

