

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102419\
 Data File : VN058944.D
 Acq On : 23 Oct 2019 20:54
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/25/2019 2:44:00 PM

Quant Time: Oct 24 03:14:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	355057	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	565781	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	544135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	267302	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	259702	49.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.74%	
35) Dibromofluoromethane	7.57	113	186866	50.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.46%	
50) Toluene-d8	10.08	98	735510	50.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.88%	
62) 4-Bromofluorobenzene	12.40	95	274876	51.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.68%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	212025	47.895	ug/l	100
3) Chloromethane	2.04	50	256259	46.739	ug/l	99
4) Vinyl Chloride	2.17	62	264744	48.632	ug/l	98
5) Bromomethane	2.54	94	138128	40.519	ug/l	97
6) Chloroethane	2.68	64	170210	48.757	ug/l	97
7) Trichlorofluoromethane	3.00	101	332554	49.371	ug/l	98
8) Diethyl Ether	3.39	74	118945	51.100	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	180226	48.264	ug/l	99
10) Methyl Iodide	3.93	142	174140	35.457	ug/l	99
11) Tert butyl alcohol	4.76	59	208567	241.353	ug/l	100
12) 1,1-Dichloroethene	3.72	96	171122	48.889	ug/l	98
13) Acrolein	3.59	56	76926	129.556	ug/l	99
14) Allyl chloride	4.30	41	353371	49.892	ug/l	99
15) Acrylonitrile	4.96	53	571177	262.766	ug/l	100
16) Acetone	3.79	43	509371	197.951	ug/l	99
17) Carbon Disulfide	4.03	76	519981	46.118	ug/l	99
18) Methyl Acetate	4.30	43	297335	50.824	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	649163	52.966	ug/l	99
20) Methylene Chloride	4.53	84	210465	47.900	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	191771	49.611	ug/l	98
22) Diisopropyl ether	5.93	45	743804	53.690	ug/l	97
23) Vinyl Acetate	5.87	43	3140744	282.177	ug/l	100
24) 1,1-Dichloroethane	5.82	63	402302	50.081	ug/l	99
25) 2-Butanone	6.81	43	805319	241.091	ug/l	99
26) 2,2-Dichloropropane	6.80	77	311836	44.880	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	224173	50.767	ug/l	99
28) Bromochloromethane	7.18	49	133915	50.056	ug/l	100
29) Tetrahydrofuran	7.19	42	548520	268.437	ug/l	99
30) Chloroform	7.35	83	399194	49.541	ug/l	99
31) Cyclohexane	7.63	56	353548	47.243	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	339861	50.039	ug/l	99
36) 1,1-Dichloropropene	7.78	75	298134	51.470	ug/l	99
37) Ethyl Acetate	6.91	43	339474	53.786	ug/l	100
38) Carbon Tetrachloride	7.76	117	293914	49.254	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	331975	51.041	ug/l	97
40) Benzene	8.02	78	882437	51.880	ug/l	99
41) Methacrylonitrile	7.15	41	154780m	55.062	ug/l	
42) 1,2-Dichloroethane	8.11	62	334409	51.038	ug/l	99
43) Isopropyl Acetate	8.15	43	539404	53.289	ug/l	100
44) Trichloroethene	8.82	130	207626	50.110	ug/l	100
45) 1,2-Dichloropropane	9.11	63	244643	52.451	ug/l	99
46) Dibromomethane	9.20	93	150145	50.921	ug/l	99
47) Bromodichloromethane	9.39	83	319836	52.628	ug/l	99
48) Methyl methacrylate	9.19	41	252557	54.993	ug/l	100
49) 1,4-Dioxane	9.19	88	71813	952.560	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1726231	291.969	ug/l	100
52) Toluene	10.15	92	544219	53.954	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	356707	53.021	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	380638	52.957	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	216398	52.078	ug/l	98
56) Ethyl methacrylate	10.42	69	346276	49.626	ug/l	100
57) 1,3-Dichloropropane	10.70	76	384438	52.713	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	748835	253.970	ug/l	99
59) 2-Hexanone	10.75	43	1286433	281.576	ug/l	99
60) Dibromochloromethane	10.90	129	241602	54.018	ug/l	100
61) 1,2-Dibromoethane	11.00	107	226364	53.232	ug/l	99
64) Tetrachloroethene	10.63	164	189134	49.632	ug/l	98
65) Chlorobenzene	11.43	112	579711	52.331	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	219556	52.521	ug/l	99
67) Ethyl Benzene	11.51	91	1066462	54.879	ug/l	98
68) m/p-Xylenes	11.62	106	788500	109.412	ug/l	99
69) o-Xylene	11.95	106	378612	55.085	ug/l	98
70) Styrene	11.96	104	634674	50.024	ug/l	99
71) Bromoform	12.13	173	172345	53.167	ug/l #	98
73) Isopropylbenzene	12.25	105	1029738	52.713	ug/l	100
74) N-amyl acetate	12.07	43	484530	54.711	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	346539	50.451	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	299684m	48.375	ug/l	
77) Bromobenzene	12.53	156	245940	51.078	ug/l	98
78) n-propylbenzene	12.59	91	1229406	53.242	ug/l	99
79) 2-Chlorotoluene	12.68	91	721239	51.034	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	889427	54.191	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	119362	50.193	ug/l	99
82) 4-Chlorotoluene	12.78	91	757134	52.424	ug/l	100
83) tert-Butylbenzene	13.00	119	746061	53.157	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	893967	55.222	ug/l	100
85) sec-Butylbenzene	13.18	105	1005651	53.743	ug/l	99
86) p-Isopropyltoluene	13.29	119	911735	55.220	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	446955	51.914	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	446005	51.742	ug/l	99
89) n-Butylbenzene	13.62	91	824722	54.376	ug/l	99
90) Hexachloroethane	13.88	117	169661	50.711	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	439451	51.932	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	75023	48.290	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	262015	49.227	ug/l	100
94) Hexachlorobutadiene	15.01	225	134724	49.121	ug/l	98
95) Naphthalene	15.13	128	753255	49.233	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	254941	49.199	ug/l	100

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

