

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062419\
 Data File : VN056468.D
 Acq On : 24 Jun 2019 20:04
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/26/2019 8:14:28 AM

Quant Time: Jun 25 03:15:10 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	7.66	168	380879	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	598531	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	530851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	223799	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	206438	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
35) Dibromofluoromethane	7.59	113	185190	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
50) Toluene-d8	10.09	98	693228	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	
62) 4-Bromofluorobenzene	12.40	95	235995	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	147831	45.838	ug/l	99
3) Chloromethane	2.06	50	189139	43.071	ug/l	100
4) Vinyl Chloride	2.18	62	197537	46.574	ug/l	99
5) Bromomethane	2.52	94	107768m	43.342	ug/l	
6) Chloroethane	2.67	64	117324m	47.767	ug/l	
7) Trichlorofluoromethane	3.00	101	260605	47.500	ug/l	98
8) Diethyl Ether	3.41	74	113566	48.910	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	166915	47.707	ug/l	100
10) Methyl Iodide	3.95	142	237100	50.140	ug/l	99
11) Tert butyl alcohol	4.80	59	185546	260.973	ug/l	100
12) 1,1-Dichloroethene	3.73	96	163472	48.586	ug/l	95
13) Acrolein	3.60	56	141455	236.064	ug/l	99
14) Allyl chloride	4.32	41	276513	49.370	ug/l	100
15) Acrylonitrile	4.99	53	498504	253.444	ug/l	100
16) Acetone	3.82	43	439180	207.656	ug/l	100
17) Carbon Disulfide	4.05	76	332646	43.467	ug/l	100
18) Methyl Acetate	4.32	43	215860	52.149	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	562933	50.563	ug/l	100
20) Methylene Chloride	4.55	84	194743	48.824	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	174828	48.195	ug/l	95
22) Diisopropyl ether	5.95	45	587450	49.942	ug/l	96
23) Vinyl Acetate	5.90	43	2442291	263.248	ug/l	100
24) 1,1-Dichloroethane	5.85	63	334258	49.504	ug/l	100
25) 2-Butanone	6.84	43	677222	241.940	ug/l	98
26) 2,2-Dichloropropane	6.82	77	221182	47.099	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	211404	49.812	ug/l	99
28) Bromochloromethane	7.19	49	159346	47.712	ug/l	96
29) Tetrahydrofuran	7.21	42	442888	258.914	ug/l	100
30) Chloroform	7.37	83	331046	49.687	ug/l	99
31) Cyclohexane	7.65	56	294181	45.130	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	270549	51.229	ug/l	99
36) 1,1-Dichloropropene	7.79	75	240561	45.663	ug/l	98
37) Ethyl Acetate	6.93	43	260996	50.412	ug/l	99
38) Carbon Tetrachloride	7.77	117	223512	48.517	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	292397	44.981	ug/l	99
40) Benzene	8.04	78	763896	47.140	ug/l	99
41) Methacrylonitrile	7.17	41	119425	52.239	ug/l	93
42) 1,2-Dichloroethane	8.12	62	247793	46.334	ug/l	100
43) Isopropyl Acetate	8.17	43	422926	52.977	ug/l #	91
44) Trichloroethene	8.83	130	209952	48.097	ug/l	99
45) 1,2-Dichloropropane	9.12	63	209764	48.402	ug/l	99
46) Dibromomethane	9.21	93	131886	48.642	ug/l	98
47) Bromodichloromethane	9.40	83	245767	51.108	ug/l	99
48) Methyl methacrylate	9.20	41	203552	50.881	ug/l	98
49) 1,4-Dioxane	9.20	88	76564	922.242	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	1303615	253.001	ug/l	100
52) Toluene	10.16	92	467445	47.182	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	259850	46.603	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	299371	51.697	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	196815	49.422	ug/l	99
56) Ethyl methacrylate	10.43	69	302031	51.897	ug/l	99
57) 1,3-Dichloropropane	10.71	76	330280	49.369	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	474462	226.930	ug/l	98
59) 2-Hexanone	10.75	43	902560	238.331	ug/l	99
60) Dibromochloromethane	10.90	129	192943	47.273	ug/l	100
61) 1,2-Dibromoethane	11.00	107	205783	50.595	ug/l	100
64) Tetrachloroethene	10.63	164	205057	48.778	ug/l	98
65) Chlorobenzene	11.43	112	511447	47.948	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	187464	52.000	ug/l	98
67) Ethyl Benzene	11.51	91	890375	47.539	ug/l	100
68) m/p-Xylenes	11.62	106	668945	97.459	ug/l	100
69) o-Xylene	11.95	106	331248	48.780	ug/l	98
70) Styrene	11.96	104	554079	51.047	ug/l	99
71) Bromoform	12.13	173	137979	47.603	ug/l #	99
73) Isopropylbenzene	12.25	105	873859	52.099	ug/l	100
74) N-amyl acetate	12.07	43	328059	46.059	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	271061	52.224	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	238792m	51.458	ug/l	
77) Bromobenzene	12.53	156	230283	46.018	ug/l	100
78) n-propylbenzene	12.59	91	942460	45.986	ug/l	100
79) 2-Chlorotoluene	12.67	91	576308	51.350	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	716404	50.905	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	68949	52.808	ug/l	94
82) 4-Chlorotoluene	12.77	91	549597	45.418	ug/l	99
83) tert-Butylbenzene	12.99	119	639314	52.214	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	699121	46.404	ug/l	99
85) sec-Butylbenzene	13.17	105	820588	45.554	ug/l	100
86) p-Isopropyltoluene	13.29	119	722011	46.704	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	357861	47.189	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	345238	47.006	ug/l	99
89) n-Butylbenzene	13.61	91	535857	45.788	ug/l	100
90) Hexachloroethane	13.87	117	115168	47.784	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	354174	47.072	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	41053	49.576	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	148210	39.193	ug/l	98
94) Hexachlorobutadiene	15.01	225	128038	50.223	ug/l	97
95) Naphthalene	15.13	128	417562	41.744	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	165657	41.627	ug/l	99

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

