

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101519\
 Data File : VD063978.D
 Acq On : 15 Oct 2019 18:09
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:41:46 AM

Quant Time: Oct 16 03:46:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	189108	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	292838	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	299132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	168474	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	92248	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
35) Dibromofluoromethane	7.92	113	92895	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	
50) Toluene-d8	10.34	98	396488	54.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.16%	
62) 4-Bromofluorobenzene	12.63	95	134306	53.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	54705	40.791	ug/l	93
3) Chloromethane	2.21	50	186855	51.732	ug/l	97
4) Vinyl Chloride	2.35	62	209497	48.332	ug/l	100
5) Bromomethane	2.77	94	127681	45.819	ug/l	91
6) Chloroethane	2.92	64	139123	48.533	ug/l	91
7) Trichlorofluoromethane	3.27	101	298515	52.089	ug/l	99
8) Diethyl Ether	3.70	74	40555	44.089	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	70917	44.705	ug/l	96
10) Methyl Iodide	4.30	142	94233	43.110	ug/l	99
11) Tert butyl alcohol	5.26	59	26645	206.936	ug/l	99
12) 1,1-Dichloroethene	4.06	96	69915	44.114	ug/l	94
13) Acrolein	3.92	56	30286	184.180	ug/l	89
14) Allyl chloride	4.71	41	121013	45.926	ug/l	98
15) Acrylonitrile	5.43	53	95967	236.638	ug/l	98
16) Acetone	4.17	43	97141	202.655	ug/l	98
17) Carbon Disulfide	4.40	76	238426	41.385	ug/l	98
18) Methyl Acetate	4.73	43	48088	51.292	ug/l	93
19) Methyl tert-butyl Ether	5.48	73	187735	45.744	ug/l	97
20) Methylene Chloride	4.97	84	113677	53.668	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	91353	46.302	ug/l	95
22) Diisopropyl ether	6.37	45	263588	48.981	ug/l	98
23) Vinyl Acetate	6.31	43	768998	240.211	ug/l	99
24) 1,1-Dichloroethane	6.27	63	162653	49.070	ug/l	96
25) 2-Butanone	7.22	43	125817	221.481	ug/l	98
26) 2,2-Dichloropropane	7.21	77	137970	46.013	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	110240	49.365	ug/l	96
28) Bromochloromethane	7.55	49	70230	55.515	ug/l	98
29) Tetrahydrofuran	7.58	42	78615	237.098	ug/l	97
30) Chloroform	7.72	83	173268	48.127	ug/l	98
31) Cyclohexane	7.98	56	146954	53.936	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	153949	49.849	ug/l	98
36) 1,1-Dichloropropene	8.11	75	136553	51.000	ug/l	98
37) Ethyl Acetate	7.30	43	52378	48.680	ug/l	98
38) Carbon Tetrachloride	8.10	117	138682	51.255	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	168183	51.087	ug/l	95
40) Benzene	8.36	78	396417	51.665	ug/l	98
41) Methacrylonitrile	7.53	41	34715	55.923	ug/l #	82
42) 1,2-Dichloroethane	8.43	62	112255	50.577	ug/l	98
43) Isopropyl Acetate	8.46	43	104503	46.540	ug/l	100
44) Trichloroethene	9.11	130	109598	49.534	ug/l	92
45) 1,2-Dichloropropane	9.39	63	95630	50.920	ug/l	92
46) Dibromomethane	9.48	93	52429	49.019	ug/l	96
47) Bromodichloromethane	9.67	83	137798	50.040	ug/l #	98
48) Methyl methacrylate	9.46	41	48255	44.852	ug/l	98
49) 1,4-Dioxane	9.47	88	14652	1003.586	ug/l	89
51) 4-Methyl-2-Pentanone	10.23	43	281293	241.550	ug/l	97
52) Toluene	10.41	92	268362	50.949	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	132127	49.170	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	159650	51.613	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	79725	52.791	ug/l	94
56) Ethyl methacrylate	10.67	69	92596	48.418	ug/l	96
57) 1,3-Dichloropropane	10.95	76	133061	51.497	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	226332	275.329	ug/l	98
59) 2-Hexanone	10.99	43	203892	242.040	ug/l	99
60) Dibromochloromethane	11.14	129	99801	50.760	ug/l	95
61) 1,2-Dibromoethane	11.25	107	75862	51.816	ug/l	98
64) Tetrachloroethene	10.88	164	101063	49.490	ug/l	97
65) Chlorobenzene	11.67	112	307984	51.267	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	114393	51.678	ug/l	96
67) Ethyl Benzene	11.75	91	546535	50.454	ug/l	99
68) m/p-Xylenes	11.86	106	441392	105.568	ug/l	97
69) o-Xylene	12.18	106	203451	50.817	ug/l	98
70) Styrene	12.20	104	353141	52.105	ug/l	99
71) Bromoform	12.36	173	62516	52.624	ug/l #	98
73) Isopropylbenzene	12.48	105	552747	48.805	ug/l	99
74) N-amyl acetate	12.29	43	107508	44.089	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	91766	46.563	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	59345m	52.593	ug/l	
77) Bromobenzene	12.76	156	136104	48.235	ug/l	99
78) n-propylbenzene	12.82	91	654030	49.198	ug/l	100
79) 2-Chlorotoluene	12.91	91	347879	47.458	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	467392	49.466	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	27979	43.878	ug/l	96
82) 4-Chlorotoluene	13.01	91	371371	47.759	ug/l	99
83) tert-Butylbenzene	13.23	119	408067	48.527	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	478136	49.085	ug/l	99
85) sec-Butylbenzene	13.40	105	570495	50.236	ug/l	100
86) p-Isopropyltoluene	13.52	119	549014	51.090	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	283229	50.800	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	273653	49.752	ug/l	97
89) n-Butylbenzene	13.85	91	503802	50.366	ug/l	99
90) Hexachloroethane	14.11	117	98820	51.129	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	236059	49.130	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13406	43.459	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	177980	48.007	ug/l	98
94) Hexachlorobutadiene	15.27	225	101086	49.410	ug/l	96
95) Naphthalene	15.40	128	306013	49.109	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	153729	48.060	ug/l	98

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

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