

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092920\
 Data File : VD066946.D
 Acq On : 29 Sep 2020 18:37
 Operator : VA/SY
 Sample : L4179-09MS
 Misc : 5.05G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-11(1-2)MS

Manual Integrations
 APPROVED

MMDadoda
 9/30/2020 1:22:02 PM

Quant Time: Sep 30 03:55:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	370248	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	589516	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	515217	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	217543	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	170492	47.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.10%	
35) Dibromofluoromethane	7.91	113	190226	50.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.44%	
50) Toluene-d8	10.34	98	627630	49.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.24%	
62) 4-Bromofluorobenzene	12.63	95	202757	46.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.70%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	128612	49.793	ug/l	92
3) Chloromethane	2.20	50	141820	41.690	ug/l	93
4) Vinyl Chloride	2.35	62	144799	43.085	ug/l	94
5) Bromomethane	2.77	94	107967	45.706	ug/l	99
6) Chloroethane	2.92	64	93473	44.788	ug/l	97
7) Trichlorofluoromethane	3.27	101	324671	47.039	ug/l	99
8) Diethyl Ether	3.71	74	98233	56.061	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	185900	46.449	ug/l	97
10) Methyl Iodide	4.30	142	177402	50.231	ug/l	97
11) Tert butyl alcohol	5.23	59	52655	238.279	ug/l	100
12) 1,1-Dichloroethene	4.06	96	183502	50.613	ug/l	92
13) Acrolein	3.92	56	64776	242.308	ug/l	92
14) Allyl chloride	4.71	41	270848	50.875	ug/l	98
15) Acrylonitrile	5.42	53	194945	251.047	ug/l	97
16) Acetone	4.16	43	151316	196.836	ug/l	94
17) Carbon Disulfide	4.41	76	516848	46.629	ug/l	97
18) Methyl Acetate	4.72	43	111878	66.417	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	441027	56.014	ug/l	95
20) Methylene Chloride	4.97	84	236488	57.923	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	223844	53.322	ug/l	92
22) Diisopropyl ether	6.37	45	602916	55.080	ug/l	99
23) Vinyl Acetate	6.31	43	1276177m	215.112	ug/l	
24) 1,1-Dichloroethane	6.26	63	383915	52.427	ug/l	98
25) 2-Butanone	7.21	43	218156	236.146	ug/l	100
26) 2,2-Dichloropropane	7.21	77	305477	45.513	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	257029	56.351	ug/l	95
28) Bromochloromethane	7.55	49	158771	52.482	ug/l #	91
29) Tetrahydrofuran	7.56	42	145180	245.262	ug/l	95
30) Chloroform	7.71	83	426800	54.069	ug/l	98
31) Cyclohexane	7.98	56	260377	39.517	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	359729	50.377	ug/l	98
36) 1,1-Dichloropropene	8.11	75	287776	49.205	ug/l	98
37) Ethyl Acetate	7.29	43	103360	48.887	ug/l #	94
38) Carbon Tetrachloride	8.10	117	312415	48.860	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	253656	37.775	ug/l	99
40) Benzene	8.35	78	871019	53.438	ug/l	96
41) Methacrylonitrile	7.53	41	61751	47.493	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	249618	51.803	ug/l	100
43) Isopropyl Acetate	8.45	43	199121	48.849	ug/l	98
44) Trichloroethene	9.11	130	242636	52.225	ug/l	91
45) 1,2-Dichloropropane	9.38	63	219484	53.520	ug/l	97
46) Dibromomethane	9.47	93	118585	53.221	ug/l	93
47) Bromodichloromethane	9.66	83	324985	54.295	ug/l	98
48) Methyl methacrylate	9.45	41	100331	49.922	ug/l	94
49) 1,4-Dioxane	9.46	88	27893	1115.893	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	534371	258.721	ug/l	100
52) Toluene	10.40	92	554550	52.819	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	277295	54.430	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	339690	54.683	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	164110	53.576	ug/l	95
56) Ethyl methacrylate	10.66	69	184969	56.368	ug/l	95
57) 1,3-Dichloropropane	10.94	76	273613	54.096	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	375270	241.527	ug/l	99
59) 2-Hexanone	10.98	43	352543	253.104	ug/l	94
60) Dibromochloromethane	11.14	129	215533	53.914	ug/l	98
61) 1,2-Dibromoethane	11.24	107	156113	54.794	ug/l	98
64) Tetrachloroethene	10.87	164	199425	53.811	ug/l	98
65) Chlorobenzene	11.67	112	573141	53.442	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	226664	55.842	ug/l	98
67) Ethyl Benzene	11.74	91	979902	52.024	ug/l	99
68) m/p-Xylenes	11.85	106	759799	106.542	ug/l	98
69) o-Xylene	12.18	106	348234	54.003	ug/l	99
70) Styrene	12.20	104	622587	55.595	ug/l	99
71) Bromoform	12.36	173	114809	55.865	ug/l #	96
73) Isopropylbenzene	12.48	105	878162	55.879	ug/l	98
74) N-amyl acetate	12.28	43	173382	56.495	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	161715	59.635	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	102910m	57.083	ug/l	
77) Bromobenzene	12.76	156	223391	60.779	ug/l	95
78) n-propylbenzene	12.82	91	989549	52.340	ug/l	98
79) 2-Chlorotoluene	12.91	91	603004	55.970	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	733049	54.973	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	43368	60.185	ug/l	99
82) 4-Chlorotoluene	13.01	91	619991	54.591	ug/l	99
83) tert-Butylbenzene	13.23	119	578730	52.816	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	737927	55.807	ug/l	99
85) sec-Butylbenzene	13.41	105	734222	46.597	ug/l	99
86) p-Isopropyltoluene	13.52	119	697703	49.124	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	388531	53.506	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	382296	53.008	ug/l	99
89) n-Butylbenzene	13.85	91	571089	42.304	ug/l	98
90) Hexachloroethane	14.11	117	128022	44.398	ug/l	92
91) 1,2-Dichlorobenzene	13.90	146	337246	54.286	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	24097	55.240	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	170457	43.586	ug/l	98
94) Hexachlorobutadiene	15.27	225	63359	27.036	ug/l	94
95) Naphthalene	15.41	128	367525	55.353	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	147050	43.565	ug/l	97

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

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