

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101320\
 Data File : VD067248.D
 Acq On : 13 Oct 2020 12:43
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 10/14/2020 2:10:15 PM

Quant Time: Oct 13 13:01:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 13 12:22:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	338564	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	513946	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	472042	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	236222	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	483097	138.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	277.78%	
35) Dibromofluoromethane	7.91	113	506283	147.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	295.88%	
50) Toluene-d8	10.34	98	1811880	145.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	290.36%	
62) 4-Bromofluorobenzene	12.64	95	631690	145.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	290.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	384064	115.578	ug/l	96
3) Chloromethane	2.21	50	294151	131.997	ug/l	99
4) Vinyl Chloride	2.34	62	317554	128.917	ug/l	98
5) Bromomethane	2.74	94	240724	124.694	ug/l	99
6) Chloroethane	2.91	64	195447	126.777	ug/l	95
7) Trichlorofluoromethane	3.27	101	797496	128.834	ug/l	97
8) Diethyl Ether	3.71	74	195032	141.391	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	421712	128.276	ug/l	99
10) Methyl Iodide	4.30	142	500205	184.153	ug/l	98
11) Tert butyl alcohol	5.23	59	117143	402.109	ug/l #	90
12) 1,1-Dichloroethene	4.06	96	393373	136.060	ug/l	96
13) Acrolein	3.92	56	162659	1039.154	ug/l	99
14) Allyl chloride	4.71	41	480656	149.009	ug/l	98
15) Acrylonitrile	5.42	53	327250	719.237	ug/l	99
16) Acetone	4.16	43	336511	687.730	ug/l	96
17) Carbon Disulfide	4.41	76	1125375	136.306	ug/l	100
18) Methyl Acetate	4.71	43	150998	134.389	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	838814	150.552	ug/l	99
20) Methylene Chloride	4.96	84	431751	109.630	ug/l	88
21) trans-1,2-Dichloroethene	5.47	96	454487	137.415	ug/l	94
22) Diisopropyl ether	6.37	45	851725	143.215	ug/l	98
23) Vinyl Acetate	6.30	43	2654199	822.490	ug/l	100
24) 1,1-Dichloroethane	6.27	63	705334	136.126	ug/l	99
25) 2-Butanone	7.21	43	394358	717.394	ug/l #	87
26) 2,2-Dichloropropane	7.21	77	702040	129.786	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	500725	137.901	ug/l	98
28) Bromochloromethane	7.55	49	249485	144.324	ug/l #	98
29) Tetrahydrofuran	7.56	42	223054	736.272	ug/l	97
30) Chloroform	7.71	83	832666	133.998	ug/l	95
31) Cyclohexane	7.98	56	510585	122.694	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	817892	134.100	ug/l	99
36) 1,1-Dichloropropene	8.11	75	601707	133.827	ug/l	100
37) Ethyl Acetate	7.29	43	180397	138.399	ug/l #	92
38) Carbon Tetrachloride	8.10	117	766343	132.955	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	663158	143.856	ug/l	98
40) Benzene	8.36	78	1642198	132.559	ug/l	98
41) Methacrylonitrile	7.53	41	103267	185.677	ug/l	86
42) 1,2-Dichloroethane	8.43	62	518088	133.852	ug/l	100
43) Isopropyl Acetate	8.46	43	377940	147.969	ug/l	99
44) Trichloroethene	9.11	130	534110	134.922	ug/l	99
45) 1,2-Dichloropropane	9.39	63	394582	138.699	ug/l	97
46) Dibromomethane	9.48	93	235893	131.699	ug/l	96
47) Bromodichloromethane	9.67	83	652444	137.542	ug/l	98
48) Methyl methacrylate	9.46	41	182190	146.420	ug/l	95
49) 1,4-Dioxane	9.47	88	49035	2580.951	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	892993	688.989	ug/l	99
52) Toluene	10.41	92	1129872	134.728	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	582343	141.140	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	688555	142.442	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	319786	130.025	ug/l	96
56) Ethyl methacrylate	10.66	69	375745	156.366	ug/l	99
57) 1,3-Dichloropropane	10.95	76	523902	136.070	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	938990	758.629	ug/l	99
59) 2-Hexanone	10.99	43	631258	723.278	ug/l	97
60) Dibromochloromethane	11.14	129	471835	132.834	ug/l	99
61) 1,2-Dibromoethane	11.25	107	318150	132.875	ug/l	99
64) Tetrachloroethene	10.88	164	454097	126.237	ug/l	97
65) Chlorobenzene	11.67	112	1240637	132.131	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	492994	132.225	ug/l	99
67) Ethyl Benzene	11.75	91	2230082	141.165	ug/l	99
68) m/p-Xylenes	11.86	106	1680426	273.793	ug/l	100
69) o-Xylene	12.18	106	784234	138.189	ug/l	97
70) Styrene	12.20	104	1346596	138.091	ug/l	99
71) Bromoform	12.37	173	269209	135.010	ug/l #	99
73) Isopropylbenzene	12.48	105	2197138	145.450	ug/l	100
74) N-amyl acetate	12.30	43	344870	153.290	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	318906	135.044	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	255341m	151.141	ug/l	
77) Bromobenzene	12.77	156	525183	136.590	ug/l	98
78) n-propylbenzene	12.83	91	2476596	139.406	ug/l	100
79) 2-Chlorotoluene	12.91	91	1428666	137.950	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	1858829	139.846	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	107716	148.080	ug/l	93
82) 4-Chlorotoluene	13.01	91	1477747	133.706	ug/l	100
83) tert-Butylbenzene	13.23	119	1616128	145.634	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	1855490	141.865	ug/l	100
85) sec-Butylbenzene	13.41	105	2170648	141.046	ug/l	100
86) p-Isopropyltoluene	13.53	119	2030171	139.575	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	974483	129.443	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	985309	133.459	ug/l	99
89) n-Butylbenzene	13.85	91	1825187	143.815	ug/l	99
90) Hexachloroethane	14.12	117	367095	145.469	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	864692	132.771	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	60150	141.409	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	637316	150.398	ug/l	99
94) Hexachlorobutadiene	15.28	225	386652	145.371	ug/l	98
95) Naphthalene	15.41	128	1128244	169.631	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	554395	152.356	ug/l	98

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

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