

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101521\
 Data File : VD070710.D
 Acq On : 15 Oct 2021 10:46
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/18/2021 5:51:00 PM

Quant Time: Oct 18 08:07:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:06:41 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	399430	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	701918	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	655941	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	302875	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	27351	5.78	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	11.56%#		
35) Dibromofluoromethane	7.909	113	23751	5.28	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.56%#		
50) Toluene-d8	10.332	98	84812	4.92	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	9.84%#		
62) 4-Bromofluorobenzene	12.620	95	28788	4.85	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	9.70%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	26097	5.59	ug/l	96
3) Chloromethane	2.209	50	39513	5.70	ug/l	99
4) Vinyl Chloride	2.350	62	38911	5.48	ug/l	92
5) Bromomethane	2.762	94	26760	6.18	ug/l	88
6) Chloroethane	2.915	64	25127	5.62	ug/l	97
7) Trichlorofluoromethane	3.273	101	44630	5.56	ug/l	96
8) Diethyl Ether	3.709	74	10361	4.84	ug/l	68
9) 1,1,2-Trichlorotrifluo...	4.097	101	27782	5.79	ug/l	99
10) Methyl Iodide	4.297	142	16893	3.85	ug/l	94
11) Tert butyl alcohol	5.203	59	7789m	29.41	ug/l	
12) 1,1-Dichloroethene	4.068	96	23929	5.51	ug/l	94
13) Acrolein	3.926	56	7232	28.21	ug/l #	56
14) Allyl chloride	4.709	41	38698	4.71	ug/l #	89
15) Acrylonitrile	5.409	53	27021m	26.52	ug/l	
16) Acetone	4.162	43	28634	25.09	ug/l	92
17) Carbon Disulfide	4.409	76	84082	5.31	ug/l	97
18) Methyl Acetate	4.715	43	21437	5.40	ug/l #	89
19) Methyl tert-butyl Ether	5.479	73	41324	4.40	ug/l	98
20) Methylene Chloride	4.962	84	61951	8.41	ug/l #	91
21) trans-1,2-Dichloroethene	5.467	96	24977	5.01	ug/l	88
22) Diisopropyl ether	6.362	45	66471	4.15	ug/l #	84
23) Vinyl Acetate	6.303	43	148998m	20.96	ug/l	
24) 1,1-Dichloroethane	6.262	63	52902	5.31	ug/l	98
25) 2-Butanone	7.214	43	32729	23.22	ug/l #	81
26) 2,2-Dichloropropane	7.209	77	42186	5.35	ug/l	100
27) cis-1,2-Dichloroethene	7.209	96	26930	5.04	ug/l	89
28) Bromochloromethane	7.538	49	21410	5.40	ug/l #	13
29) Tetrahydrofuran	7.556	42	18282	21.19	ug/l #	82
30) Chloroform	7.709	83	53451	5.49	ug/l	86
31) Cyclohexane	7.979	56	52660	5.50	ug/l #	83
32) 1,1,1-Trichloroethane	7.903	97	45944	5.56	ug/l	93
36) 1,1-Dichloropropene	8.108	75	37428	4.79	ug/l	95
37) Ethyl Acetate	7.291	43	12106	3.74	ug/l #	90
38) Carbon Tetrachloride	8.097	117	37688	5.03	ug/l	92
39) Methylcyclohexane	9.355	83	39658	4.50	ug/l #	81
40) Benzene	8.350	78	109917	4.88	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	6428	3.61	ug/l #	71
42) 1,2-Dichloroethane	8.420	62	31566	4.94	ug/l	87
43) Isopropyl Acetate	8.450	43	26875	4.35	ug/l	98
44) Trichloroethene	9.108	130	27236	5.15	ug/l	73
45) 1,2-Dichloropropane	9.379	63	28365	4.77	ug/l	99
46) Dibromomethane	9.473	93	13981	4.91	ug/l	94
47) Bromodichloromethane	9.655	83	37668	4.98	ug/l #	93
48) Methyl methacrylate	9.450	41	12328	4.07	ug/l #	88
49) 1,4-Dioxane	9.450	88	3055	99.85	ug/l #	82
51) 4-Methyl-2-Pentanone	10.220	43	66914	20.54	ug/l	89
52) Toluene	10.397	92	58170	4.34	ug/l	95
53) t-1,3-Dichloropropene	10.614	75	30790	4.56	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	35670	4.41	ug/l #	85
55) 1,1,2-Trichloroethane	10.791	97	19345	4.94	ug/l	92
56) Ethyl methacrylate	10.655	69	18375	3.93	ug/l #	86
57) 1,3-Dichloropropane	10.938	76	31363	4.52	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.938	63	45242	21.95	ug/l	93
59) 2-Hexanone	10.979	43	46376	20.23	ug/l	83
60) Dibromochloromethane	11.126	129	22220	4.94	ug/l	98
61) 1,2-Dibromoethane	11.238	107	17008	4.75	ug/l	95
64) Tetrachloroethene	10.873	164	22463	5.10	ug/l	95
65) Chlorobenzene	11.661	112	66689	4.96	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	25407	5.10	ug/l	98
67) Ethyl Benzene	11.738	91	106755	4.34	ug/l	100
68) m/p-Xylenes	11.844	106	78734	8.45	ug/l	96
69) o-Xylene	12.173	106	35898	4.25	ug/l	99
70) Styrene	12.185	104	58436	3.98	ug/l	93
71) Bromoform	12.349	173	12855	4.97	ug/l #	99
73) Isopropylbenzene	12.467	105	92752	4.30	ug/l	99
74) N-amyl acetate	12.279	43	23958	4.26	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.720	83	20498	4.80	ug/l	90
76) 1,2,3-Trichloropropane	12.773	75	13688m	5.93	ug/l	
77) Bromobenzene	12.749	156	23685	4.85	ug/l	97
78) n-propylbenzene	12.808	91	120012	4.28	ug/l	99
79) 2-Chlorotoluene	12.896	91	72524	4.47	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	75107	4.12	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.526	75	5135	4.30	ug/l	91
82) 4-Chlorotoluene	12.996	91	77565	4.52	ug/l	97
83) tert-Butylbenzene	13.214	119	64400	4.27	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	73129	4.03	ug/l	97
85) sec-Butylbenzene	13.391	105	101338	4.28	ug/l	99
86) p-Isopropyltoluene	13.502	119	79904	4.19	ug/l	95
87) 1,3-Dichlorobenzene	13.508	146	49807	4.85	ug/l	97
88) 1,4-Dichlorobenzene	13.585	146	51139	5.05	ug/l	93
89) n-Butylbenzene	13.832	91	86476	4.50	ug/l	97
90) Hexachloroethane	14.096	117	21956	5.34	ug/l	93
91) 1,2-Dichlorobenzene	13.879	146	42618	4.86	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.496	75	3522	5.17	ug/l	87
93) 1,2,4-Trichlorobenzene	15.149	180	22179	4.42	ug/l	99
94) Hexachlorobutadiene	15.249	225	17379	5.28	ug/l	95
95) Naphthalene	15.379	128	33678	3.95	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.573	180	21028	4.72	ug/l	97

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

