

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040721\
 Data File : VD068773.D
 Acq On : 07 Apr 2021 10:15
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/8/2021 3:08:10 PM

Quant Time: Apr 07 12:06:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 07 12:04:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	229542	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	407183	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	383411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	179011	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	12952	5.62	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	11.24%#		
35) Dibromofluoromethane	7.914	113	13404	5.30	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.60%#		
50) Toluene-d8	10.343	98	47063	4.86	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	9.72%#		
62) 4-Bromofluorobenzene	12.626	95	15809	5.00	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	10.00%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	12701	6.77	ug/l	95
3) Chloromethane	2.214	50	15870	6.94	ug/l	93
4) Vinyl Chloride	2.350	62	18897	6.92	ug/l	97
5) Bromomethane	2.767	94	15478	7.65	ug/l	86
6) Chloroethane	2.926	64	12325	6.88	ug/l	91
7) Trichlorofluoromethane	3.279	101	22423	6.93	ug/l	94
8) Diethyl Ether	3.726	74	4953	5.47	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.103	101	12698	6.44	ug/l	96
10) Methyl Iodide	4.308	142	9502	4.64	ug/l	94
11) Tert butyl alcohol	5.214	59	6040m	54.07	ug/l	
12) 1,1-Dichloroethene	4.073	96	12000	6.31	ug/l	94
13) Acrolein	3.926	56	2748	27.54	ug/l	95
14) Allyl chloride	4.714	41	12191	5.34	ug/l	91
15) Acrylonitrile	5.420	53	12730	29.65	ug/l	96
16) Acetone	4.155	43	9875	33.85	ug/l	98
17) Carbon Disulfide	4.414	76	39985	6.51	ug/l	97
18) Methyl Acetate	4.732	43	4931	6.21	ug/l #	83
19) Methyl tert-butyl Ether	5.485	73	24943	5.33	ug/l #	86
20) Methylene Chloride	4.973	84	20997	6.66	ug/l	95
21) trans-1,2-Dichloroethene	5.485	96	16320	6.30	ug/l	89
22) Diisopropyl ether	6.373	45	30314	5.28	ug/l	90
23) Vinyl Acetate	6.308	43	70505m	23.03	ug/l	
24) 1,1-Dichloroethane	6.267	63	25679	6.09	ug/l #	91
25) 2-Butanone	7.214	43	12681	26.99	ug/l #	88
26) 2,2-Dichloropropane	7.208	77	22500	6.14	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	16659	5.89	ug/l	98
28) Bromochloromethane	7.549	49	9893	6.06	ug/l #	100
29) Tetrahydrofuran	7.561	42	7528	25.05	ug/l	94
30) Chloroform	7.714	83	29013	6.33	ug/l	84
31) Cyclohexane	7.985	56	23018	6.07	ug/l #	76
32) 1,1,1-Trichloroethane	7.908	97	24558	6.02	ug/l	97
36) 1,1-Dichloropropene	8.114	75	22027	5.94	ug/l	97
37) Ethyl Acetate	7.296	43	6746	5.87	ug/l #	88
38) Carbon Tetrachloride	8.102	117	21664	5.84	ug/l	93
39) Methylcyclohexane	9.361	83	23008	5.06	ug/l	95
40) Benzene	8.349	78	64360	5.94	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.538	41	3457m	5.33	ug/l	
42) 1,2-Dichloroethane	8.426	62	16955	5.96	ug/l	96
43) Isopropyl Acetate	8.455	43	12167	5.42	ug/l	97
44) Trichloroethene	9.114	130	17662	5.87	ug/l	97
45) 1,2-Dichloropropane	9.390	63	15471	5.97	ug/l	95
46) Dibromomethane	9.473	93	8267	5.62	ug/l	100
47) Bromodichloromethane	9.667	83	22539	5.96	ug/l #	97
48) Methyl methacrylate	9.455	41	5137	4.51	ug/l #	82
49) 1,4-Dioxane	9.467	88	1483	90.64	ug/l #	90
51) 4-Methyl-2-Pentanone	10.232	43	27932	23.80	ug/l	91
52) Toluene	10.402	92	36034	5.24	ug/l	93
53) t-1,3-Dichloropropene	10.626	75	18104	5.22	ug/l	98
54) cis-1,3-Dichloropropene	10.090	75	21788	5.28	ug/l	98
55) 1,1,2-Trichloroethane	10.796	97	12460	5.98	ug/l #	82
56) Ethyl methacrylate	10.661	69	9702	4.35	ug/l	93
57) 1,3-Dichloropropane	10.943	76	18941	5.61	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.943	63	28887	25.55	ug/l	98
59) 2-Hexanone	10.985	43	17478	22.22	ug/l	99
60) Dibromochloromethane	11.137	129	14474	5.62	ug/l	99
61) 1,2-Dibromoethane	11.249	107	11535	5.76	ug/l	97
64) Tetrachloroethene	10.879	164	14375	5.74	ug/l	93
65) Chlorobenzene	11.673	112	42253	5.52	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.743	131	15257	5.53	ug/l	97
67) Ethyl Benzene	11.743	91	67731	5.06	ug/l	95
68) m/p-Xylenes	11.855	106	50524	9.70	ug/l	98
69) o-Xylene	12.179	106	22204	4.61	ug/l	99
70) Styrene	12.190	104	38528	4.65	ug/l	98
71) Bromoform	12.355	173	7852	5.40	ug/l #	94
73) Isopropylbenzene	12.479	105	59019	4.73	ug/l	100
74) N-amyl acetate	12.284	43	10183	4.90	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.726	83	13059	5.88	ug/l	95
76) 1,2,3-Trichloropropane	12.779	75	8957m	5.88	ug/l	
77) Bromobenzene	12.755	156	16092	5.52	ug/l	96
78) n-propylbenzene	12.814	91	74511	5.01	ug/l	98
79) 2-Chlorotoluene	12.908	91	43153	5.29	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	48763	4.80	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.526	75	3587	5.38	ug/l #	93
82) 4-Chlorotoluene	13.002	91	44597	5.14	ug/l	93
83) tert-Butylbenzene	13.220	119	45424	5.27	ug/l	95
84) 1,2,4-Trimethylbenzene	13.267	105	48606	4.66	ug/l	98
85) sec-Butylbenzene	13.396	105	59483	4.76	ug/l	99
86) p-Isopropyltoluene	13.514	119	54348	4.78	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	31242	5.35	ug/l	95
88) 1,4-Dichlorobenzene	13.590	146	32327	5.63	ug/l	96
89) n-Butylbenzene	13.837	91	52554	4.88	ug/l	97
90) Hexachloroethane	14.102	117	12516	5.90	ug/l	99
91) 1,2-Dichlorobenzene	13.884	146	28042	5.63	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.502	75	2110	6.63	ug/l	79
93) 1,2,4-Trichlorobenzene	15.155	180	16346	5.09	ug/l	99
94) Hexachlorobutadiene	15.261	225	9267	5.04	ug/l	90
95) Naphthalene	15.396	128	24464	4.35	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.584	180	15161	5.54	ug/l	90

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

