

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050421\
 Data File : VD069056.D
 Acq On : 04 May 2021 09:11
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/5/2021 5:31:58 PM

Quant Time: May 05 04:11:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050421S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 05 04:02:37 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	190933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	350460	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	331538	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	152542	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	13129	5.34	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.68%#		
35) Dibromofluoromethane	7.914	113	12526	5.21	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.42%#		
50) Toluene-d8	10.338	98	40182	4.53	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	9.06%#		
62) 4-Bromofluorobenzene	12.632	95	13352	4.58	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	9.16%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	12207	5.26	ug/l	94
3) Chloromethane	2.209	50	15657	5.48	ug/l	96
4) Vinyl Chloride	2.344	62	19962	5.28	ug/l	93
5) Bromomethane	2.756	94	13534	6.02	ug/l	90
6) Chloroethane	2.915	64	12344	5.62	ug/l	96
7) Trichlorofluoromethane	3.256	101	22420	5.40	ug/l	96
8) Diethyl Ether	3.697	74	4885	4.85	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.097	101	12889	5.80	ug/l #	84
10) Methyl Iodide	4.297	142	6370	3.65	ug/l #	94
11) Tert butyl alcohol	5.209	59	10426m	54.93	ug/l	
12) 1,1-Dichloroethene	4.062	96	10318	5.16	ug/l	94
13) Acrolein	3.909	56	3793	25.72	ug/l	85
14) Allyl chloride	4.715	41	12463	4.83	ug/l	96
15) Acrylonitrile	5.426	53	10828	24.71	ug/l	95
16) Acetone	4.162	43	13309	33.87	ug/l	98
17) Carbon Disulfide	4.403	76	37759	5.58	ug/l	100
18) Methyl Acetate	4.720	43	5062	5.28	ug/l	93
19) Methyl tert-butyl Ether	5.473	73	20123	4.40	ug/l #	84
20) Methylene Chloride	4.950	84	23897	7.88	ug/l	88
21) trans-1,2-Dichloroethene	5.462	96	11915	5.01	ug/l	96
22) Diisopropyl ether	6.361	45	25150	4.37	ug/l	93
23) Vinyl Acetate	6.303	43	64419m	20.01	ug/l	
24) 1,1-Dichloroethane	6.261	63	21363	5.26	ug/l	98
25) 2-Butanone	7.208	43	12830	24.39	ug/l	90
26) 2,2-Dichloropropane	7.197	77	20179	5.31	ug/l	95
27) cis-1,2-Dichloroethene	7.208	96	13099	5.11	ug/l	99
28) Bromochloromethane	7.544	49	8718	5.31	ug/l #	98
29) Tetrahydrofuran	7.567	42	7036	21.74	ug/l	94
30) Chloroform	7.708	83	25200	5.54	ug/l	88
31) Cyclohexane	7.979	56	20533	5.75	ug/l #	81
32) 1,1,1-Trichloroethane	7.897	97	22967	5.53	ug/l	99
36) 1,1-Dichloropropene	8.108	75	18262	4.95	ug/l	95
37) Ethyl Acetate	7.297	43	6451	4.64	ug/l	97
38) Carbon Tetrachloride	8.085	117	20247	5.06	ug/l	96
39) Methylcyclohexane	9.355	83	16229	4.03	ug/l	93
40) Benzene	8.344	78	49354	4.84	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.538	41	3675m	4.27	ug/l	
42) 1,2-Dichloroethane	8.420	62	15570	4.88	ug/l	99
43) Isopropyl Acetate	8.450	43	11635	4.46	ug/l #	58
44) Trichloroethene	9.102	130	13933	5.14	ug/l	93
45) 1,2-Dichloropropane	9.385	63	12718	5.06	ug/l	100
46) Dibromomethane	9.473	93	7126	4.94	ug/l	98
47) Bromodichloromethane	9.655	83	19184	5.05	ug/l	92
48) Methyl methacrylate	9.455	41	4881	3.80	ug/l #	83
49) 1,4-Dioxane	9.455	88	1261	75.53	ug/l #	75
51) 4-Methyl-2-Pentanone	10.226	43	28148	21.10	ug/l	96
52) Toluene	10.402	92	28825	4.45	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	15056	4.56	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	18661	4.78	ug/l	95
55) 1,1,2-Trichloroethane	10.797	97	9174	4.78	ug/l	95
56) Ethyl methacrylate	10.661	69	6969	3.37	ug/l	94
57) 1,3-Dichloropropane	10.944	76	15410	4.77	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.938	63	21543	19.40	ug/l	96
59) 2-Hexanone	10.979	43	18081	20.08	ug/l	94
60) Dibromochloromethane	11.144	129	13168	5.16	ug/l	94
61) 1,2-Dibromoethane	11.244	107	8932	4.80	ug/l	99
64) Tetrachloroethene	10.873	164	10987	5.14	ug/l	92
65) Chlorobenzene	11.667	112	34129	5.04	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.744	131	12646	4.94	ug/l	98
67) Ethyl Benzene	11.744	91	53837	4.49	ug/l	91
68) m/p-Xylenes	11.849	106	39143	8.68	ug/l	97
69) o-Xylene	12.179	106	17031	4.21	ug/l	93
70) Styrene	12.191	104	29834	4.18	ug/l	97
71) Bromoform	12.355	173	6432	4.90	ug/l #	92
73) Isopropylbenzene	12.479	105	47554	4.50	ug/l	100
74) N-amyl acetate	12.285	43	9142	4.12	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.726	83	10803	5.22	ug/l	99
76) 1,2,3-Trichloropropane	12.785	75	7799m	5.21	ug/l	
77) Bromobenzene	12.755	156	12552	5.14	ug/l	94
78) n-propylbenzene	12.814	91	57953	4.47	ug/l	98
79) 2-Chlorotoluene	12.902	91	33175	4.59	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	39110	4.35	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.520	75	2811	4.61	ug/l	90
82) 4-Chlorotoluene	12.996	91	37748	4.87	ug/l	96
83) tert-Butylbenzene	13.220	119	31991	4.37	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	37133	4.13	ug/l	97
85) sec-Butylbenzene	13.396	105	46222	4.36	ug/l	95
86) p-Isopropyltoluene	13.508	119	42804	4.37	ug/l	97
87) 1,3-Dichlorobenzene	13.514	146	24078	4.91	ug/l	95
88) 1,4-Dichlorobenzene	13.591	146	24585	5.08	ug/l	89
89) n-Butylbenzene	13.838	91	41518	4.47	ug/l	97
90) Hexachloroethane	14.102	117	10757	5.35	ug/l	99
91) 1,2-Dichlorobenzene	13.885	146	21410	5.02	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.490	75	1740	5.11	ug/l	95
93) 1,2,4-Trichlorobenzene	15.155	180	12086	4.78	ug/l	98
94) Hexachlorobutadiene	15.261	225	7755	5.29	ug/l	97
95) Naphthalene	15.385	128	19062	4.08	ug/l	98
96) 1,2,3-Trichlorobenzene	15.590	180	9466	4.33	ug/l	97

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

