

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021221\
 Data File : VD068351.D
 Acq On : 12 Feb 2021 10:17
 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
 2/15/2021 10:25:18 AM

Quant Time: Feb 12 13:01:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 12 12:57:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	467278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	796437	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	707237	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	313824	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	22035	4.82	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	9.64%#		
35) Dibromofluoromethane	7.914	113	20859	4.63	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.26%#		
50) Toluene-d8	10.344	98	92276	5.05	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	10.10%#		
62) 4-Bromofluorobenzene	12.632	95	32735	5.12	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	10.24%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	25977	4.92	ug/l	93
3) Chloromethane	2.209	50	30897	5.34	ug/l	91
4) Vinyl Chloride	2.350	62	35346	5.47	ug/l	97
5) Bromomethane	2.768	94	26358	5.92	ug/l	94
6) Chloroethane	2.926	64	22313	5.59	ug/l	99
7) Trichlorofluoromethane	3.279	101	42615	5.05	ug/l	92
8) Diethyl Ether	3.715	74	11413	4.58	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.097	101	25383	5.14	ug/l	96
10) Methyl Iodide	4.297	142	19876	4.26	ug/l	92
11) Tert butyl alcohol	5.214	59	6247m	10.76	ug/l	
12) 1,1-Dichloroethene	4.073	96	25118	5.08	ug/l	88
13) Acrolein	3.920	56	6564	18.95	ug/l	96
14) Allyl chloride	4.714	41	31093	4.39	ug/l	96
15) Acrylonitrile	5.432	53	23184	23.38	ug/l	99
16) Acetone	4.150	43	19137	24.46	ug/l	97
17) Carbon Disulfide	4.409	76	80416	5.14	ug/l	99
18) Methyl Acetate	4.720	43	12492	6.14	ug/l #	88
19) Methyl tert-butyl Ether	5.473	73	50814	4.46	ug/l #	90
20) Methylene Chloride	4.967	84	38926	6.21	ug/l	92
21) trans-1,2-Dichloroethene	5.467	96	28801	5.06	ug/l	94
22) Diisopropyl ether	6.367	45	62707	4.33	ug/l #	92
23) Vinyl Acetate	6.303	43	143198	18.64	ug/l	99
24) 1,1-Dichloroethane	6.267	63	46640	4.92	ug/l	99
25) 2-Butanone	7.208	43	25280	21.69	ug/l	94
26) 2,2-Dichloropropane	7.214	77	40327	4.56	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	31963	5.15	ug/l	96
28) Bromochloromethane	7.550	49	17193	5.06	ug/l #	79
29) Tetrahydrofuran	7.561	42	16778	22.32	ug/l	93
30) Chloroform	7.708	83	47532	4.94	ug/l	99
31) Cyclohexane	7.985	56	51411	5.56	ug/l #	89
32) 1,1,1-Trichloroethane	7.908	97	42000	4.88	ug/l #	93
36) 1,1-Dichloropropene	8.108	75	40835	5.25	ug/l	95
37) Ethyl Acetate	7.291	43	11480	4.18	ug/l #	72
38) Carbon Tetrachloride	8.097	117	37172	5.09	ug/l #	94
39) Methylcyclohexane	9.355	83	50445	5.02	ug/l	92
40) Benzene	8.350	78	107836	4.94	ug/l	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	6760	4.11	ug/l	98
42) 1,2-Dichloroethane	8.426	62	27071	4.64	ug/l	100
43) Isopropyl Acetate	8.455	43	21541	3.80	ug/l	97
44) Trichloroethene	9.108	130	29564	4.94	ug/l	96
45) 1,2-Dichloropropane	9.385	63	25768	4.83	ug/l	97
46) Dibromomethane	9.479	93	14233	5.23	ug/l	90
47) Bromodichloromethane	9.661	83	34769	4.74	ug/l	98
48) Methyl methacrylate	9.455	41	11508	4.14	ug/l	90
49) 1,4-Dioxane	9.455	88	3177	98.74	ug/l #	93
51) 4-Methyl-2-Pentanone	10.226	43	54849	20.59	ug/l	94
52) Toluene	10.402	92	67909	4.79	ug/l	96
53) t-1,3-Dichloropropene	10.620	75	32029	4.36	ug/l	96
54) cis-1,3-Dichloropropene	10.091	75	38874	4.44	ug/l #	94
55) 1,1,2-Trichloroethane	10.797	97	18655	4.83	ug/l	95
56) Ethyl methacrylate	10.655	69	20300	3.99	ug/l	93
57) 1,3-Dichloropropane	10.944	76	32561	4.79	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.944	63	60851	25.08	ug/l	94
59) 2-Hexanone	10.985	43	36302	19.69	ug/l	97
60) Dibromochloromethane	11.138	129	23368	4.83	ug/l	97
61) 1,2-Dibromoethane	11.244	107	17658	4.65	ug/l	98
64) Tetrachloroethene	10.873	164	25655	5.31	ug/l	94
65) Chlorobenzene	11.673	112	74431	5.09	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.744	131	24346	4.74	ug/l	96
67) Ethyl Benzene	11.744	91	129097	4.78	ug/l	98
68) m/p-Xylenes	11.855	106	98423	9.66	ug/l	98
69) o-Xylene	12.179	106	42159	4.45	ug/l	98
70) Styrene	12.196	104	76031	4.71	ug/l	98
71) Bromoform	12.355	173	12611	4.82	ug/l #	96
73) Isopropylbenzene	12.479	105	120079	4.72	ug/l	98
74) N-amyl acetate	12.285	43	18340	3.53	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.732	83	20720	5.08	ug/l	99
76) 1,2,3-Trichloropropane	12.785	75	17861m	6.08	ug/l	
77) Bromobenzene	12.761	156	28426	5.21	ug/l	94
78) n-propylbenzene	12.820	91	146351	4.86	ug/l	97
79) 2-Chlorotoluene	12.908	91	82469	4.88	ug/l	93
80) 1,3,5-Trimethylbenzene	12.961	105	97040	4.59	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.532	75	5541	3.84	ug/l	87
82) 4-Chlorotoluene	13.002	91	85370	4.86	ug/l	98
83) tert-Butylbenzene	13.220	119	84867	4.73	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	95841	4.56	ug/l	99
85) sec-Butylbenzene	13.402	105	120100	4.76	ug/l	98
86) p-Isopropyltoluene	13.514	119	104581	4.57	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	53865	5.11	ug/l	100
88) 1,4-Dichlorobenzene	13.590	146	54529	5.26	ug/l	95
89) n-Butylbenzene	13.843	91	104518	4.76	ug/l	96
90) Hexachloroethane	14.108	117	18857	4.59	ug/l	94
91) 1,2-Dichlorobenzene	13.885	146	45768	5.07	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.508	75	3256	4.92	ug/l	69
93) 1,2,4-Trichlorobenzene	15.161	180	28401	4.61	ug/l	97
94) Hexachlorobutadiene	15.267	225	16925	4.95	ug/l	96
95) Naphthalene	15.402	128	50693	4.38	ug/l	98
96) 1,2,3-Trichlorobenzene	15.590	180	26235	5.03	ug/l	96

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

