

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051221\
 Data File : VD069132.D
 Acq On : 12 May 2021 11:37
 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
 5/13/2021 4:05:37 PM

Quant Time: May 13 03:31:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 13 03:30:25 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	281292	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	476205	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	446694	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	214647	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	14854	5.27	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.54%#		
35) Dibromofluoromethane	7.920	113	15708	5.07	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.14%#		
50) Toluene-d8	10.338	98	56562	4.97	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	9.94%#		
62) 4-Bromofluorobenzene	12.626	95	17917	4.89	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	9.78%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	14879	4.98	ug/l	98
3) Chloromethane	2.209	50	19303	5.62	ug/l	95
4) Vinyl Chloride	2.350	62	24196	5.34	ug/l	94
5) Bromomethane	2.762	94	20001	5.87	ug/l	99
6) Chloroethane	2.920	64	12997	4.46	ug/l	92
7) Trichlorofluoromethane	3.273	101	27748	5.02	ug/l	94
8) Diethyl Ether	3.709	74	6043	4.79	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.097	101	16380	5.23	ug/l	99
10) Methyl Iodide	4.297	142	11859	3.97	ug/l	98
11) Tert butyl alcohol	5.214	59	7607m	39.47	ug/l	
12) 1,1-Dichloroethene	4.061	96	13732	4.88	ug/l #	94
13) Acrolein	3.914	56	5673	24.73	ug/l	94
14) Allyl chloride	4.720	41	14539	4.71	ug/l	94
15) Acrylonitrile	5.420	53	10915	23.18	ug/l	94
16) Acetone	4.167	43	11453	26.52	ug/l #	86
17) Carbon Disulfide	4.409	76	47944	5.14	ug/l	100
18) Methyl Acetate	4.720	43	5585	5.32	ug/l	100
19) Methyl tert-butyl Ether	5.473	73	21723	4.25	ug/l #	83
20) Methylene Chloride	4.973	84	34365	7.52	ug/l	94
21) trans-1,2-Dichloroethene	5.467	96	16146	4.84	ug/l	93
22) Diisopropyl ether	6.361	45	25875	4.20	ug/l #	85
23) Vinyl Acetate	6.308	43	69898	19.21	ug/l #	91
24) 1,1-Dichloroethane	6.261	63	26904	5.05	ug/l	98
25) 2-Butanone	7.208	43	13987	23.90	ug/l	93
26) 2,2-Dichloropropane	7.202	77	25226	5.06	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	17074	4.71	ug/l	99
28) Bromochloromethane	7.544	49	10734	5.65	ug/l	97
29) Tetrahydrofuran	7.561	42	7027	22.09	ug/l	93
30) Chloroform	7.714	83	30293	5.05	ug/l	87
31) Cyclohexane	7.979	56	24442	5.85	ug/l #	85
32) 1,1,1-Trichloroethane	7.908	97	28306	5.20	ug/l	96
36) 1,1-Dichloropropene	8.114	75	21166	4.57	ug/l	96
37) Ethyl Acetate	7.291	43	7449	5.01	ug/l #	91
38) Carbon Tetrachloride	8.097	117	25724	4.97	ug/l	98
39) Methylcyclohexane	9.355	83	20726	4.24	ug/l	96
40) Benzene	8.349	78	62533	4.72	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	3410	4.66	ug/l #	13
42) 1,2-Dichloroethane	8.426	62	17225	4.76	ug/l	95
43) Isopropyl Acetate	8.455	43	11981	4.44	ug/l	92
44) Trichloroethene	9.108	130	17603	4.75	ug/l	97
45) 1,2-Dichloropropane	9.385	63	14682	4.69	ug/l	90
46) Dibromomethane	9.473	93	9335	4.99	ug/l	91
47) Bromodichloromethane	9.661	83	22271	4.68	ug/l #	94
48) Methyl methacrylate	9.449	41	5527	4.42	ug/l	98
49) 1,4-Dioxane	9.455	88	1208	68.64	ug/l #	69
51) 4-Methyl-2-Pentanone	10.226	43	28383	20.42	ug/l	98
52) Toluene	10.408	92	37561	4.39	ug/l	98
53) t-1,3-Dichloropropene	10.620	75	18674	4.46	ug/l	89
54) cis-1,3-Dichloropropene	10.091	75	22855	4.57	ug/l	94
55) 1,1,2-Trichloroethane	10.796	97	12269	4.86	ug/l	97
56) Ethyl methacrylate	10.661	69	9304	3.69	ug/l	96
57) 1,3-Dichloropropane	10.943	76	18114	4.44	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.944	63	24255	19.43	ug/l	100
59) 2-Hexanone	10.979	43	17819	19.21	ug/l	94
60) Dibromochloromethane	11.143	129	15728	4.86	ug/l	97
61) 1,2-Dibromoethane	11.249	107	12152	4.88	ug/l	98
64) Tetrachloroethene	10.879	164	14725	4.74	ug/l	96
65) Chlorobenzene	11.673	112	44917	4.85	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	16464	4.72	ug/l	97
67) Ethyl Benzene	11.743	91	67105	4.21	ug/l	99
68) m/p-Xylenes	11.849	106	51214	8.20	ug/l	97
69) o-Xylene	12.179	106	21762	3.92	ug/l	97
70) Styrene	12.196	104	36803	3.80	ug/l	97
71) Bromoform	12.355	173	8780	4.83	ug/l #	97
73) Isopropylbenzene	12.479	105	59324	3.95	ug/l	98
74) N-amyl acetate	12.285	43	10218	4.16	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.726	83	12983	4.78	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	6515m	4.05	ug/l	
77) Bromobenzene	12.755	156	15826	4.45	ug/l	90
78) n-propylbenzene	12.820	91	73462	4.06	ug/l	99
79) 2-Chlorotoluene	12.902	91	43198	4.29	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	48217	3.90	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.526	75	3735	4.68	ug/l	92
82) 4-Chlorotoluene	13.002	91	47315	4.41	ug/l	98
83) tert-Butylbenzene	13.220	119	41646	4.04	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	49328	3.96	ug/l	100
85) sec-Butylbenzene	13.396	105	63348	4.09	ug/l	96
86) p-Isopropyltoluene	13.514	119	53565	3.93	ug/l	97
87) 1,3-Dichlorobenzene	13.508	146	34075	4.73	ug/l	99
88) 1,4-Dichlorobenzene	13.590	146	34291	4.81	ug/l	90
89) n-Butylbenzene	13.837	91	52633	4.15	ug/l	99
90) Hexachloroethane	14.108	117	11828	4.63	ug/l	95
91) 1,2-Dichlorobenzene	13.884	146	28647	4.63	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.502	75	2261	5.36	ug/l	87
93) 1,2,4-Trichlorobenzene	15.155	180	16117	4.25	ug/l	98
94) Hexachlorobutadiene	15.261	225	10850	4.77	ug/l	98
95) Naphthalene	15.390	128	23634	3.72	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.584	180	13371	4.12	ug/l	97

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

