

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101521\
 Data File : VD070715.D
 Acq On : 15 Oct 2021 13:06
 Operator : VA/SY
 Sample : VSTDIC150
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 10/18/2021 5:51:11 PM

Quant Time: Oct 18 08:08:41 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	7.973	168	468432	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	754414	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	726894	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	338354	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	759671	136.92	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 273.84%#			
35) Dibromofluoromethane	7.914	113	692785	143.42	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 286.84%#			
50) Toluene-d8	10.332	98	2771838	149.69	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 299.38%#			
62) 4-Bromofluorobenzene	12.620	95	987865	154.93	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 309.86%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	773113	141.16	ug/l	99
3) Chloromethane	2.209	50	1147589	141.22	ug/l	99
4) Vinyl Chloride	2.344	62	1188514	142.72	ug/l	100
5) Bromomethane	2.738	94	680071	133.93	ug/l	99
6) Chloroethane	2.903	64	732820	139.74	ug/l	96
7) Trichlorofluoromethane	3.261	101	1295983	137.66	ug/l	99
8) Diethyl Ether	3.703	74	414294	165.17	ug/l	77
9) 1,1,2-Trichlorotrifluo...	4.091	101	776914	137.96	ug/l	99
10) Methyl Iodide	4.291	142	917481	178.10	ug/l	99
11) Tert butyl alcohol	5.220	59	215176	692.81	ug/l #	85
12) 1,1-Dichloroethene	4.061	96	757536	148.77	ug/l	91
13) Acrolein	3.920	56	218761	727.71	ug/l	100
14) Allyl chloride	4.708	41	1558556	161.71	ug/l #	91
15) Acrylonitrile	5.414	53	1048128	877.09	ug/l	98
16) Acetone	4.156	43	1054012	787.63	ug/l	95
17) Carbon Disulfide	4.403	76	2748587	148.14	ug/l	100
18) Methyl Acetate	4.714	43	700256	150.54	ug/l #	85
19) Methyl tert-butyl Ether	5.473	73	1852889	168.32	ug/l	98
20) Methylene Chloride	4.955	84	919220	106.42	ug/l	89
21) trans-1,2-Dichloroethene	5.467	96	879011	150.48	ug/l	93
22) Diisopropyl ether	6.361	45	3021366	161.01	ug/l #	96
23) Vinyl Acetate	6.302	43	7815406	937.33	ug/l #	94
24) 1,1-Dichloroethane	6.261	63	1682702	143.94	ug/l	98
25) 2-Butanone	7.208	43	1364110	825.13	ug/l #	87
26) 2,2-Dichloropropane	7.202	77	1351697	146.19	ug/l	97
27) cis-1,2-Dichloroethene	7.208	96	975789	155.79	ug/l	90
28) Bromochloromethane	7.544	49	624053	134.27	ug/l	84
29) Tetrahydrofuran	7.561	42	868329	858.00	ug/l #	84
30) Chloroform	7.702	83	1603764	140.42	ug/l	98
31) Cyclohexane	7.979	56	1652569	147.22	ug/l	87
32) 1,1,1-Trichloroethane	7.897	97	1372372	141.64	ug/l	97
36) 1,1-Dichloropropene	8.108	75	1286183	153.04	ug/l	98
37) Ethyl Acetate	7.291	43	591563	169.90	ug/l #	93
38) Carbon Tetrachloride	8.091	117	1186326	147.38	ug/l	99
39) Methylcyclohexane	9.349	83	1566711	165.31	ug/l	90
40) Benzene	8.344	78	3677849	151.95	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	340271	177.74	ug/l #	84
42) 1,2-Dichloroethane	8.420	62	1017693	148.15	ug/l	96
43) Isopropyl Acetate	8.449	43	1120597	168.72	ug/l #	90
44) Trichloroethene	9.108	130	862995	151.83	ug/l	93
45) 1,2-Dichloropropane	9.385	63	966709	151.16	ug/l	97
46) Dibromomethane	9.473	93	458436	149.70	ug/l	94
47) Bromodichloromethane	9.655	83	1221598	150.37	ug/l	100
48) Methyl methacrylate	9.449	41	569768	175.12	ug/l	86
49) 1,4-Dioxane	9.461	88	104797	3186.96	ug/l #	91
51) 4-Methyl-2-Pentanone	10.220	43	2956662	844.57	ug/l	92
52) Toluene	10.396	92	2289522	158.88	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	1201475	165.57	ug/l	100
54) cis-1,3-Dichloropropene	10.085	75	1441588	165.95	ug/l #	88
55) 1,1,2-Trichloroethane	10.790	97	643123	152.91	ug/l	97
56) Ethyl methacrylate	10.655	69	921125	183.46	ug/l #	82
57) 1,3-Dichloropropane	10.938	76	1176746	157.69	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	1926604	869.70	ug/l	95
59) 2-Hexanone	10.979	43	2122329	861.30	ug/l	90
60) Dibromochloromethane	11.132	129	750324	155.22	ug/l	99
61) 1,2-Dibromoethane	11.238	107	606556	157.62	ug/l	100
64) Tetrachloroethene	10.867	164	709107	145.18	ug/l	93
65) Chlorobenzene	11.661	112	2252486	151.10	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.737	131	812738	147.34	ug/l	99
67) Ethyl Benzene	11.737	91	4380719	160.72	ug/l	100
68) m/p-Xylenes	11.843	106	3296045	319.19	ug/l	98
69) o-Xylene	12.173	106	1556011	166.11	ug/l	98
70) Styrene	12.185	104	2678937	164.53	ug/l	97
71) Bromoform	12.349	173	435806	152.16	ug/l #	99
73) Isopropylbenzene	12.467	105	4062558	168.51	ug/l	100
74) N-amyl acetate	12.279	43	1096066	174.63	ug/l	89
75) 1,1,2,2-Tetrachloroethane	12.720	83	741865	155.56	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	474438m	184.06	ug/l	
77) Bromobenzene	12.749	156	878310	160.92	ug/l	99
78) n-propylbenzene	12.808	91	5097437	162.67	ug/l	99
79) 2-Chlorotoluene	12.896	91	2941518	162.42	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	3391825	166.43	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	234556	175.75	ug/l	91
82) 4-Chlorotoluene	12.996	91	3012640	157.26	ug/l	98
83) tert-Butylbenzene	13.214	119	2841636	168.71	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	3362066	165.92	ug/l	99
85) sec-Butylbenzene	13.390	105	4302897	162.57	ug/l	99
86) p-Isopropyltoluene	13.502	119	3533618	166.05	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	1737932	151.63	ug/l	99
88) 1,4-Dichlorobenzene	13.584	146	1698871	150.11	ug/l	98
89) n-Butylbenzene	13.831	91	3480492	162.06	ug/l	99
90) Hexachloroethane	14.096	117	679891	148.06	ug/l	89
91) 1,2-Dichlorobenzene	13.873	146	1494527	152.57	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	115602	151.98	ug/l	100
93) 1,2,4-Trichlorobenzene	15.143	180	920837	164.34	ug/l	99
94) Hexachlorobutadiene	15.249	225	538257	146.49	ug/l	99
95) Naphthalene	15.384	128	1781939	187.30	ug/l	100
96) 1,2,3-Trichlorobenzene	15.573	180	815291	163.76	ug/l	98

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

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