

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040721\
 Data File : VD068778.D
 Acq On : 07 Apr 2021 12:34
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 4/8/2021 3:08:19 PM

Quant Time: Apr 07 12:46:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 07 12:29:42 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	295891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	491181	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	475932	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	232244	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	442407	148.80	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 297.60%#			
35) Dibromofluoromethane	7.920	113	463008	151.88	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 303.76%#			
50) Toluene-d8	10.343	98	1840895	157.52	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 315.04%#			
62) 4-Bromofluorobenzene	12.631	95	618432	162.03	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 324.06%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	392753	162.50	ug/l	98
3) Chloromethane	2.214	50	463476	157.25	ug/l	99
4) Vinyl Chloride	2.350	62	603762	171.42	ug/l	96
5) Bromomethane	2.738	94	441000	169.18	ug/l	100
6) Chloroethane	2.908	64	391770	169.62	ug/l	98
7) Trichlorofluoromethane	3.267	101	706430	169.41	ug/l	98
8) Diethyl Ether	3.708	74	214473	183.68	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.091	101	428547	168.70	ug/l	99
10) Methyl Iodide	4.297	142	545230	206.41	ug/l	99
11) Tert butyl alcohol	5.232	59	113910	791.07	ug/l	100
12) 1,1-Dichloroethene	4.067	96	432034	176.34	ug/l	97
13) Acrolein	3.926	56	87462	680.01	ug/l	98
14) Allyl chloride	4.720	41	498589	169.43	ug/l	97
15) Acrylonitrile	5.420	53	451207	815.33	ug/l	98
16) Acetone	4.161	43	301362	801.36	ug/l	100
17) Carbon Disulfide	4.408	76	1374877	173.52	ug/l	99
18) Methyl Acetate	4.720	43	173458	169.58	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	1007701	167.06	ug/l	96
20) Methylene Chloride	4.967	84	486329	119.67	ug/l	97
21) trans-1,2-Dichloroethene	5.473	96	521982	156.29	ug/l	94
22) Diisopropyl ether	6.367	45	1173685	158.68	ug/l	98
23) Vinyl Acetate	6.308	43	3477105	880.97	ug/l	99
24) 1,1-Dichloroethane	6.267	63	842808	155.12	ug/l	99
25) 2-Butanone	7.214	43	449073	741.45	ug/l	94
26) 2,2-Dichloropropane	7.208	77	664557	140.58	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	530154	145.31	ug/l	100
28) Bromochloromethane	7.549	49	308927	146.81	ug/l	100
29) Tetrahydrofuran	7.561	42	311046	802.84	ug/l	97
30) Chloroform	7.714	83	907684	153.52	ug/l	98
31) Cyclohexane	7.985	56	688778	140.92	ug/l	97
32) 1,1,1-Trichloroethane	7.902	97	794881	151.25	ug/l	99
36) 1,1-Dichloropropene	8.114	75	708656	158.53	ug/l	99
37) Ethyl Acetate	7.290	43	210085	151.46	ug/l	97
38) Carbon Tetrachloride	8.096	117	696128	155.44	ug/l	99
39) Methylcyclohexane	9.355	83	876373	159.71	ug/l	97
40) Benzene	8.349	78	2061716	157.78	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	128458m	164.19	ug/l	
42) 1,2-Dichloroethane	8.426	62	545901	159.01	ug/l	98
43) Isopropyl Acetate	8.455	43	464085	171.46	ug/l	98
44) Trichloroethene	9.114	130	570305	157.15	ug/l	93
45) 1,2-Dichloropropane	9.390	63	494463	158.12	ug/l	98
46) Dibromomethane	9.479	93	279440	157.34	ug/l	96
47) Bromodichloromethane	9.661	83	720378	157.99	ug/l	99
48) Methyl methacrylate	9.455	41	236052	171.66	ug/l	98
49) 1,4-Dioxane	9.461	88	63044	3194.29	ug/l	92
51) 4-Methyl-2-Pentanone	10.232	43	1174802	829.85	ug/l	99
52) Toluene	10.402	92	1395219	168.17	ug/l	98
53) t-1,3-Dichloropropene	10.620	75	667563	159.41	ug/l	99
54) cis-1,3-Dichloropropene	10.090	75	802674	161.29	ug/l	97
55) 1,1,2-Trichloroethane	10.796	97	394629	157.13	ug/l	96
56) Ethyl methacrylate	10.661	69	473739	176.06	ug/l	100
57) 1,3-Dichloropropane	10.943	76	664046	162.98	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.943	63	1203809	882.68	ug/l	100
59) 2-Hexanone	10.984	43	810941	854.58	ug/l	99
60) Dibromochloromethane	11.137	129	507491	163.34	ug/l	100
61) 1,2-Dibromoethane	11.243	107	388838	160.97	ug/l	100
64) Tetrachloroethene	10.879	164	454148	145.98	ug/l	99
65) Chlorobenzene	11.667	112	1494630	157.16	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.743	131	540422	157.76	ug/l	98
67) Ethyl Benzene	11.743	91	2704613	162.74	ug/l	100
68) m/p-Xylenes	11.855	106	2080146	321.72	ug/l	99
69) o-Xylene	12.178	106	975035	163.01	ug/l	99
70) Styrene	12.190	104	1699175	165.11	ug/l	100
71) Bromoform	12.355	173	286759	158.83	ug/l #	98
73) Isopropylbenzene	12.478	105	2592935	160.21	ug/l	100
74) N-amyl acetate	12.284	43	462500	171.37	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.726	83	440189	152.83	ug/l	98
76) 1,2,3-Trichloropropane	12.778	75	301750m	152.75	ug/l	
77) Bromobenzene	12.761	156	596559	157.75	ug/l	99
78) n-propylbenzene	12.814	91	3073964	159.26	ug/l	99
79) 2-Chlorotoluene	12.902	91	1716536	162.30	ug/l	99
80) 1,3,5-Trimethylbenzene	12.955	105	2166644	164.23	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.526	75	135449	156.61	ug/l	99
82) 4-Chlorotoluene	13.002	91	1818674	161.69	ug/l	99
83) tert-Butylbenzene	13.220	119	1827912	163.44	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	2196841	162.46	ug/l	99
85) sec-Butylbenzene	13.396	105	2593047	160.06	ug/l	100
86) p-Isopropyltoluene	13.514	119	2386161	161.85	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	1163710	153.48	ug/l	98
88) 1,4-Dichlorobenzene	13.590	146	1130009	151.81	ug/l	100
89) n-Butylbenzene	13.837	91	2233238	159.82	ug/l	99
90) Hexachloroethane	14.108	117	446457	162.22	ug/l	99
91) 1,2-Dichlorobenzene	13.884	146	1003499	155.29	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	66660	161.44	ug/l	97
93) 1,2,4-Trichlorobenzene	15.155	180	650977	156.40	ug/l	99
94) Hexachlorobutadiene	15.261	225	371383	155.81	ug/l	99
95) Naphthalene	15.396	128	1268644	173.74	ug/l	100
96) 1,2,3-Trichlorobenzene	15.584	180	566704	159.47	ug/l	98

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

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