

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060121\
 Data File : VD069291.D
 Acq On : 01 Jun 2021 18:53
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/2/2021 6:47:06 PM

Quant Time: Jun 02 02:49:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 02 02:17:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	424828	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	713325	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	710409	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	337031	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	192215	47.15	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.30%		
35) Dibromofluoromethane	7.920	113	209036	46.66	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.32%		
50) Toluene-d8	10.338	98	761226	46.73	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	93.46%		
62) 4-Bromofluorobenzene	12.626	95	276361	51.78	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	103.56%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	202413	45.26	ug/l	98
3) Chloromethane	2.209	50	159626	47.28	ug/l	99
4) Vinyl Chloride	2.350	62	159620	46.41	ug/l	99
5) Bromomethane	2.768	94	122705	48.90	ug/l	91
6) Chloroethane	2.920	64	95695	48.76	ug/l	97
7) Trichlorofluoromethane	3.273	101	362912	45.37	ug/l	98
8) Diethyl Ether	3.709	74	104086	52.96	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.097	101	216619	45.98	ug/l	99
10) Methyl Iodide	4.303	142	217288	45.42	ug/l	99
11) Tert butyl alcohol	5.220	59	64158	257.52	ug/l	97
12) 1,1-Dichloroethene	4.067	96	206943	48.57	ug/l	98
13) Acrolein	3.926	56	69012	253.35	ug/l	92
14) Allyl chloride	4.714	41	258232	50.23	ug/l	99
15) Acrylonitrile	5.420	53	202753	264.64	ug/l	99
16) Acetone	4.162	43	159654	224.44	ug/l	98
17) Carbon Disulfide	4.409	76	675828	47.96	ug/l	100
18) Methyl Acetate	4.720	43	90734	47.13	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	431934	55.19	ug/l	95
20) Methylene Chloride	4.962	84	286793	55.89	ug/l	96
21) trans-1,2-Dichloroethene	5.473	96	249080	49.36	ug/l	93
22) Diisopropyl ether	6.367	45	529464	53.62	ug/l	97
23) Vinyl Acetate	6.308	43	1618578	256.24	ug/l	98
24) 1,1-Dichloroethane	6.267	63	406051	49.14	ug/l	97
25) 2-Butanone	7.208	43	243356	259.98	ug/l	100
26) 2,2-Dichloropropane	7.208	77	350494	46.03	ug/l	100
27) cis-1,2-Dichloroethene	7.214	96	273989	51.26	ug/l	99
28) Bromochloromethane	7.550	49	142193	49.63	ug/l	98
29) Tetrahydrofuran	7.567	42	144219	268.06	ug/l	97
30) Chloroform	7.708	83	442801	49.02	ug/l	98
31) Cyclohexane	7.985	56	292310	45.13	ug/l	97
32) 1,1,1-Trichloroethane	7.903	97	388138	47.61	ug/l	99
36) 1,1-Dichloropropene	8.114	75	329033	47.46	ug/l	99
37) Ethyl Acetate	7.297	43	115698	49.14	ug/l	97
38) Carbon Tetrachloride	8.097	117	346854	46.33	ug/l	99
39) Methylcyclohexane	9.355	83	345869	48.76	ug/l	97
40) Benzene	8.350	78	970499	48.19	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	65341m	57.17	ug/l	
42) 1,2-Dichloroethane	8.426	62	260459	48.47	ug/l	100
43) Isopropyl Acetate	8.450	43	221138	51.61	ug/l	99
44) Trichloroethene	9.114	130	261972	47.88	ug/l	97
45) 1,2-Dichloropropane	9.391	63	235282	49.07	ug/l	95
46) Dibromomethane	9.479	93	137947	50.34	ug/l	96
47) Bromodichloromethane	9.661	83	343852	48.66	ug/l	95
48) Methyl methacrylate	9.455	41	104756	52.66	ug/l	89
49) 1,4-Dioxane	9.467	88	27868	1035.26	ug/l	96
51) 4-Methyl-2-Pentanone	10.226	43	594104	268.46	ug/l	99
52) Toluene	10.402	92	637443	50.15	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	322027	51.03	ug/l	95
54) cis-1,3-Dichloropropene	10.091	75	373730	49.67	ug/l	98
55) 1,1,2-Trichloroethane	10.796	97	190153	50.02	ug/l	98
56) Ethyl methacrylate	10.661	69	223773	51.53	ug/l	98
57) 1,3-Dichloropropane	10.944	76	323773	52.53	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.944	63	522494	293.55	ug/l	99
59) 2-Hexanone	10.985	43	402836	272.31	ug/l	99
60) Dibromochloromethane	11.138	129	246930	51.55	ug/l	97
61) 1,2-Dibromoethane	11.244	107	190557	52.55	ug/l	97
64) Tetrachloroethene	10.873	164	218769	44.24	ug/l	96
65) Chlorobenzene	11.667	112	693537	47.77	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	257888	47.41	ug/l	99
67) Ethyl Benzene	11.743	91	1227044	49.20	ug/l	100
68) m/p-Xylenes	11.849	106	945113	96.70	ug/l	100
69) o-Xylene	12.179	106	447500	51.77	ug/l	99
70) Styrene	12.191	104	773067	51.52	ug/l	99
71) Bromoform	12.355	173	136827	48.50	ug/l #	97
73) Isopropylbenzene	12.473	105	1157210	50.17	ug/l	99
74) N-amyl acetate	12.285	43	215756	52.97	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.726	83	264889	61.52	ug/l	84
76) 1,2,3-Trichloropropane	12.779	75	161758m	55.24	ug/l	
77) Bromobenzene	12.755	156	278023	50.05	ug/l	97
78) n-propylbenzene	12.814	91	1394323	49.29	ug/l	100
79) 2-Chlorotoluene	12.902	91	784955	48.81	ug/l	97
80) 1,3,5-Trimethylbenzene	12.955	105	975502	49.94	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.526	75	64076	48.49	ug/l	94
82) 4-Chlorotoluene	12.996	91	821210	48.54	ug/l	99
83) tert-Butylbenzene	13.220	119	832160	50.87	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	980038	50.44	ug/l	98
85) sec-Butylbenzene	13.396	105	1184658	49.06	ug/l	100
86) p-Isopropyltoluene	13.508	119	1050523	49.76	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	533872	47.49	ug/l	99
88) 1,4-Dichlorobenzene	13.590	146	528565	47.18	ug/l	98
89) n-Butylbenzene	13.838	91	1010977	51.18	ug/l	100
90) Hexachloroethane	14.108	117	182195	45.43	ug/l	97
91) 1,2-Dichlorobenzene	13.885	146	475124	49.05	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.496	75	32220	46.97	ug/l	88
93) 1,2,4-Trichlorobenzene	15.155	180	303164	52.16	ug/l	98
94) Hexachlorobutadiene	15.255	225	169353	46.41	ug/l	98
95) Naphthalene	15.390	128	589945	51.21	ug/l	100
96) 1,2,3-Trichlorobenzene	15.584	180	269093	52.61	ug/l	99

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

