

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030421\
 Data File : VD068516.D
 Acq On : 04 Mar 2021 10:27
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/5/2021 10:11:50 AM

Quant Time: Mar 04 23:58:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 26 14:04:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	299360	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	494215	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	456531	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	219456	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	143547	47.99	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.98%		
35) Dibromofluoromethane	7.920	113	152225	51.13	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.26%		
50) Toluene-d8	10.338	98	588261	49.61	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.22%		
62) 4-Bromofluorobenzene	12.632	95	192249	50.30	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	100.60%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	138904	47.81	ug/l	99
3) Chloromethane	2.209	50	168668	45.94	ug/l	100
4) Vinyl Chloride	2.350	62	205336	47.10	ug/l	96
5) Bromomethane	2.762	94	142904	46.04	ug/l	98
6) Chloroethane	2.926	64	130059	46.14	ug/l	97
7) Trichlorofluoromethane	3.273	101	244142	49.09	ug/l	99
8) Diethyl Ether	3.709	74	68810	46.47	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.097	101	150314	49.61	ug/l	95
10) Methyl Iodide	4.303	142	160117	44.50	ug/l	95
11) Tert butyl alcohol	5.232	59	36493	228.52	ug/l #	88
12) 1,1-Dichloroethene	4.068	96	143787	47.83	ug/l	98
13) Acrolein	3.926	56	58663	257.02	ug/l	93
14) Allyl chloride	4.715	41	177583	45.75	ug/l	99
15) Acrylonitrile	5.426	53	146640	234.65	ug/l	99
16) Acetone	4.162	43	136147	286.57	ug/l	91
17) Carbon Disulfide	4.415	76	454142	46.11	ug/l	100
18) Methyl Acetate	4.720	43	58487	47.76	ug/l	96
19) Methyl tert-butyl Ether	5.479	73	316853	48.61	ug/l	94
20) Methylene Chloride	4.968	84	171554	48.13	ug/l	95
21) trans-1,2-Dichloroethene	5.473	96	169731	47.29	ug/l	99
22) Diisopropyl ether	6.362	45	390910	45.73	ug/l	96
23) Vinyl Acetate	6.309	43	1044490	235.51	ug/l	99
24) 1,1-Dichloroethane	6.267	63	271892	46.40	ug/l	99
25) 2-Butanone	7.214	43	163488	239.39	ug/l	100
26) 2,2-Dichloropropane	7.209	77	241726	49.52	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	189880	48.18	ug/l	99
28) Bromochloromethane	7.550	49	111478	48.74	ug/l	88
29) Tetrahydrofuran	7.567	42	102426	230.97	ug/l	98
30) Chloroform	7.714	83	291749	47.15	ug/l	100
31) Cyclohexane	7.985	56	242584	44.60	ug/l	97
32) 1,1,1-Trichloroethane	7.903	97	258366	48.92	ug/l	97
36) 1,1-Dichloropropene	8.114	75	229801	48.92	ug/l	97
37) Ethyl Acetate	7.291	43	79800	51.20	ug/l #	95
38) Carbon Tetrachloride	8.097	117	227828	51.61	ug/l	96
39) Methylcyclohexane	9.355	83	294908	50.90	ug/l	99
40) Benzene	8.350	78	653808	48.52	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	48589m	53.70	ug/l	
42) 1,2-Dichloroethane	8.426	62	174158	49.15	ug/l	100
43) Isopropyl Acetate	8.450	43	145918	50.94	ug/l	99
44) Trichloroethene	9.114	130	188070	50.84	ug/l	95
45) 1,2-Dichloropropane	9.391	63	158303	49.14	ug/l	99
46) Dibromomethane	9.479	93	88615	50.57	ug/l	96
47) Bromodichloromethane	9.661	83	227432	50.17	ug/l	98
48) Methyl methacrylate	9.456	41	72841	47.70	ug/l	93
49) 1,4-Dioxane	9.467	88	19201	960.71	ug/l	88
51) 4-Methyl-2-Pentanone	10.226	43	376764	251.34	ug/l	99
52) Toluene	10.403	92	432338	50.24	ug/l	95
53) t-1,3-Dichloropropene	10.620	75	213414	50.94	ug/l	98
54) cis-1,3-Dichloropropene	10.091	75	250646	49.03	ug/l	96
55) 1,1,2-Trichloroethane	10.802	97	123562	50.95	ug/l	92
56) Ethyl methacrylate	10.661	69	141391	50.72	ug/l	96
57) 1,3-Dichloropropane	10.944	76	208040	49.14	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.944	63	376154	268.95	ug/l	93
59) 2-Hexanone	10.985	43	274728	274.95	ug/l	98
60) Dibromochloromethane	11.138	129	155043	51.64	ug/l	99
61) 1,2-Dibromoethane	11.244	107	119876	50.51	ug/l	99
64) Tetrachloroethene	10.879	164	153273	51.41	ug/l	93
65) Chlorobenzene	11.673	112	459018	49.37	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.744	131	166821	51.62	ug/l	97
67) Ethyl Benzene	11.744	91	822021	49.53	ug/l	98
68) m/p-Xylenes	11.855	106	634878	100.73	ug/l	100
69) o-Xylene	12.179	106	294137	50.67	ug/l	94
70) Styrene	12.197	104	512775	51.65	ug/l	99
71) Bromoform	12.361	173	87832	53.50	ug/l #	100
73) Isopropylbenzene	12.479	105	793684	48.76	ug/l	99
74) N-amyl acetate	12.285	43	137907	49.74	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.732	83	136081	48.60	ug/l	99
76) 1,2,3-Trichloropropane	12.785	75	94289m	48.40	ug/l	
77) Bromobenzene	12.761	156	181833	48.95	ug/l	94
78) n-propylbenzene	12.820	91	963333	49.53	ug/l	98
79) 2-Chlorotoluene	12.908	91	526284	48.75	ug/l	99
80) 1,3,5-Trimethylbenzene	12.961	105	671924	50.37	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.526	75	44536	53.35	ug/l	90
82) 4-Chlorotoluene	13.002	91	553402	48.72	ug/l	100
83) tert-Butylbenzene	13.220	119	581077	51.16	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	670945	50.22	ug/l	98
85) sec-Butylbenzene	13.396	105	808254	50.38	ug/l	99
86) p-Isopropyltoluene	13.514	119	747385	51.32	ug/l	98
87) 1,3-Dichlorobenzene	13.514	146	359470	50.11	ug/l	99
88) 1,4-Dichlorobenzene	13.596	146	361609	50.88	ug/l	99
89) n-Butylbenzene	13.838	91	713809	50.81	ug/l	97
90) Hexachloroethane	14.108	117	139355	48.14	ug/l	92
91) 1,2-Dichlorobenzene	13.885	146	306714	49.85	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	20548	41.63	ug/l	92
93) 1,2,4-Trichlorobenzene	15.155	180	210507	44.29	ug/l	99
94) Hexachlorobutadiene	15.267	225	118575	44.95	ug/l	99
95) Naphthalene	15.396	128	377485	43.87	ug/l	100
96) 1,2,3-Trichlorobenzene	15.590	180	179287	43.57	ug/l	98

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

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