

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021721\
 Data File : VD068392.D
 Acq On : 17 Feb 2021 19:24
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

SAM
 2/18/2021 2:56:40 PM

Quant Time: Feb 18 00:15:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 12 13:30:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	327870	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	596473	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	564221	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	265717	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	192796	57.52	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.04%			
35) Dibromofluoromethane	7.920	113	190624	53.84	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.68%			
50) Toluene-d8	10.344	98	773086	52.68	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.36%			
62) 4-Bromofluorobenzene	12.632	95	259503	54.29	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.58%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	127307	42.37	ug/l	95
3) Chloromethane	2.209	50	168980	47.24	ug/l	99
4) Vinyl Chloride	2.350	62	197965	46.23	ug/l	100
5) Bromomethane	2.773	94	150057	49.03	ug/l	96
6) Chloroethane	2.926	64	135280	48.37	ug/l	99
7) Trichlorofluoromethane	3.279	101	240186	45.57	ug/l	100
8) Diethyl Ether	3.709	74	80752	52.17	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.103	101	149361	46.57	ug/l	94
10) Methyl Iodide	4.303	142	134488	44.65	ug/l	96
11) Tert butyl alcohol	5.226	59	44166	262.82	ug/l #	93
12) 1,1-Dichloroethene	4.067	96	144014	46.18	ug/l	93
13) Acrolein	3.920	56	52840	274.98	ug/l	98
14) Allyl chloride	4.720	41	207044	51.07	ug/l	98
15) Acrylonitrile	5.426	53	183432	274.57	ug/l	99
16) Acetone	4.156	43	120436	232.89	ug/l	96
17) Carbon Disulfide	4.415	76	408016	45.18	ug/l	99
18) Methyl Acetate	4.720	43	76976	54.24	ug/l	94
19) Methyl tert-butyl Ether	5.485	73	375998	53.44	ug/l #	90
20) Methylene Chloride	4.973	84	193458	54.08	ug/l	95
21) trans-1,2-Dichloroethene	5.479	96	176293	48.85	ug/l	95
22) Diisopropyl ether	6.361	45	484319	53.98	ug/l #	95
23) Vinyl Acetate	6.309	43	1268123	273.74	ug/l	99
24) 1,1-Dichloroethane	6.267	63	314392	51.21	ug/l	99
25) 2-Butanone	7.214	43	198714	274.83	ug/l	100
26) 2,2-Dichloropropane	7.214	77	248916	47.40	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	211244	51.49	ug/l	98
28) Bromochloromethane	7.550	49	153118	60.14	ug/l #	79
29) Tetrahydrofuran	7.561	42	129634	277.17	ug/l	98
30) Chloroform	7.714	83	333419	52.22	ug/l	98
31) Cyclohexane	7.985	56	246291	49.36	ug/l	93
32) 1,1,1-Trichloroethane	7.903	97	277991	50.39	ug/l	95
36) 1,1-Dichloropropene	8.114	75	237806	45.07	ug/l	96
37) Ethyl Acetate	7.291	43	97357	54.60	ug/l	98
38) Carbon Tetrachloride	8.097	117	228698	45.44	ug/l	99
39) Methylcyclohexane	9.355	83	287057	44.35	ug/l	98
40) Benzene	8.355	78	726456	48.27	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	43403	42.29	ug/l #	80
42) 1,2-Dichloroethane	8.426	62	201156	50.10	ug/l	100
43) Isopropyl Acetate	8.455	43	182882	53.56	ug/l	95
44) Trichloroethene	9.114	130	193369	47.21	ug/l	93
45) 1,2-Dichloropropane	9.391	63	186622	50.81	ug/l	93
46) Dibromomethane	9.479	93	101993	51.19	ug/l	90
47) Bromodichloromethane	9.661	83	263112	50.93	ug/l	100
48) Methyl methacrylate	9.455	41	81217	47.66	ug/l #	78
49) 1,4-Dioxane	9.467	88	23545	1011.50	ug/l #	86
51) 4-Methyl-2-Pentanone	10.232	43	481080	274.32	ug/l	100
52) Toluene	10.402	92	471979	48.77	ug/l	95
53) t-1,3-Dichloropropene	10.620	75	245817	51.42	ug/l	100
54) cis-1,3-Dichloropropene	10.091	75	294518	50.42	ug/l	98
55) 1,1,2-Trichloroethane	10.802	97	142844	51.90	ug/l	95
56) Ethyl methacrylate	10.661	69	181337	55.53	ug/l	97
57) 1,3-Dichloropropane	10.949	76	245359	50.80	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.944	63	485656	277.73	ug/l	93
59) 2-Hexanone	10.985	43	323513	272.90	ug/l	100
60) Dibromochloromethane	11.138	129	177399	51.94	ug/l	99
61) 1,2-Dibromoethane	11.249	107	137202	51.58	ug/l	96
64) Tetrachloroethene	10.879	164	149243	42.99	ug/l	95
65) Chlorobenzene	11.667	112	518368	47.78	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.744	131	186707	49.33	ug/l	98
67) Ethyl Benzene	11.744	91	931430	47.89	ug/l	97
68) m/p-Xylenes	11.855	106	699051	95.09	ug/l	98
69) o-Xylene	12.179	106	334442	49.59	ug/l	98
70) Styrene	12.196	104	584298	49.81	ug/l	100
71) Bromoform	12.361	173	97626	50.20	ug/l #	99
73) Isopropylbenzene	12.479	105	889554	45.83	ug/l	100
74) N-amyl acetate	12.291	43	169353	49.41	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.732	83	187060	55.61	ug/l	90
76) 1,2,3-Trichloropropane	12.785	75	114902m	45.44	ug/l	
77) Bromobenzene	12.761	156	203858	47.02	ug/l	87
78) n-propylbenzene	12.820	91	1073919	46.22	ug/l	97
79) 2-Chlorotoluene	12.908	91	607565	47.22	ug/l	97
80) 1,3,5-Trimethylbenzene	12.955	105	759237	47.87	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.526	75	47804	47.39	ug/l	97
82) 4-Chlorotoluene	13.002	91	636973	46.82	ug/l	98
83) tert-Butylbenzene	13.220	119	630989	45.86	ug/l	98
84) 1,2,4-Trimethylbenzene	13.267	105	749244	47.42	ug/l	99
85) sec-Butylbenzene	13.402	105	897930	46.67	ug/l	98
86) p-Isopropyltoluene	13.514	119	812143	47.01	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	392860	46.83	ug/l	95
88) 1,4-Dichlorobenzene	13.591	146	392845	47.06	ug/l	100
89) n-Butylbenzene	13.838	91	778345	46.17	ug/l	98
90) Hexachloroethane	14.108	117	151869	48.42	ug/l	90
91) 1,2-Dichlorobenzene	13.885	146	351951	48.39	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.502	75	26222	53.32	ug/l	84
93) 1,2,4-Trichlorobenzene	15.155	180	233278	48.97	ug/l	97
94) Hexachlorobutadiene	15.267	225	121643	46.42	ug/l	98
95) Naphthalene	15.396	128	471191	53.20	ug/l	99
96) 1,2,3-Trichlorobenzene	15.590	180	205499	49.45	ug/l	99

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

