

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012121\
 Data File : VD068126.D
 Acq On : 21 Jan 2021 12:00
 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
 1/22/2021 5:03:59 PM

Quant Time: Jan 22 00:06:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 13:19:08 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	452824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	764188	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	669062	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	299244	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	186592	43.08	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	86.16%		
35) Dibromofluoromethane	7.920	113	200328	47.42	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.84%		
50) Toluene-d8	10.344	98	746989	44.20	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	88.40%		
62) 4-Bromofluorobenzene	12.632	95	263672	43.33	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	86.66%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	252533	46.95	ug/l	96
3) Chloromethane	2.209	50	273184	47.16	ug/l	98
4) Vinyl Chloride	2.350	62	329962	51.21	ug/l	98
5) Bromomethane	2.774	94	221550	50.14	ug/l	97
6) Chloroethane	2.926	64	203303	51.65	ug/l	99
7) Trichlorofluoromethane	3.279	101	406158	48.02	ug/l	99
8) Diethyl Ether	3.709	74	109162	43.84	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.103	101	240142	48.69	ug/l	96
10) Methyl Iodide	4.303	142	249274	45.37	ug/l	95
11) Tert butyl alcohol	5.215	59	85883	210.53	ug/l	98
12) 1,1-Dichloroethene	4.073	96	239802	48.34	ug/l	91
13) Acrolein	3.921	56	73707	215.92	ug/l	98
14) Allyl chloride	4.720	41	339652	47.07	ug/l	95
15) Acrylonitrile	5.420	53	227222	230.36	ug/l	98
16) Acetone	4.162	43	218304	282.24	ug/l	95
17) Carbon Disulfide	4.415	76	759384	47.53	ug/l	100
18) Methyl Acetate	4.720	43	90333	45.00	ug/l	93
19) Methyl tert-butyl Ether	5.479	73	516584	45.04	ug/l	93
20) Methylene Chloride	4.973	84	253657	46.72	ug/l	90
21) trans-1,2-Dichloroethene	5.473	96	272541	47.85	ug/l	96
22) Diisopropyl ether	6.362	45	678591	46.60	ug/l #	95
23) Vinyl Acetate	6.309	43	1798196	231.67	ug/l	96
24) 1,1-Dichloroethane	6.267	63	450995	47.80	ug/l	98
25) 2-Butanone	7.214	43	261367	224.43	ug/l	96
26) 2,2-Dichloropropane	7.209	77	427212	47.86	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	288603	46.67	ug/l	90
28) Bromochloromethane	7.544	49	154696	48.13	ug/l #	78
29) Tetrahydrofuran	7.562	42	165328	218.99	ug/l	94
30) Chloroform	7.709	83	446883	46.87	ug/l	97
31) Cyclohexane	7.985	56	431837	46.04	ug/l	91
32) 1,1,1-Trichloroethane	7.903	97	414862	48.28	ug/l	96
36) 1,1-Dichloropropene	8.114	75	377024	48.92	ug/l	97
37) Ethyl Acetate	7.291	43	123967	45.48	ug/l #	93
38) Carbon Tetrachloride	8.097	117	358060	49.64	ug/l	98
39) Methylcyclohexane	9.356	83	494853	49.12	ug/l	97
40) Benzene	8.350	78	1040028	48.27	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	82944	50.42	ug/l	90
42) 1,2-Dichloroethane	8.426	62	272313	47.30	ug/l	98
43) Isopropyl Acetate	8.456	43	253403	44.61	ug/l	95
44) Trichloroethene	9.114	130	284971	48.16	ug/l	96
45) 1,2-Dichloropropane	9.391	63	248578	47.11	ug/l	97
46) Dibromomethane	9.479	93	124546	46.58	ug/l	94
47) Bromodichloromethane	9.661	83	341314	47.31	ug/l	99
48) Methyl methacrylate	9.461	41	127440	45.07	ug/l	97
49) 1,4-Dioxane	9.461	88	27680	883.45	ug/l #	84
51) 4-Methyl-2-Pentanone	10.226	43	594945	225.29	ug/l	95
52) Toluene	10.403	92	669069	47.66	ug/l	97
53) t-1,3-Dichloropropene	10.620	75	339136	46.44	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	402965	46.36	ug/l	96
55) 1,1,2-Trichloroethane	10.803	97	176057	46.46	ug/l	95
56) Ethyl methacrylate	10.661	69	226962	44.97	ug/l	94
57) 1,3-Dichloropropane	10.950	76	307362	45.97	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.944	63	546854	234.78	ug/l	92
59) 2-Hexanone	10.985	43	429426	234.60	ug/l	96
60) Dibromochloromethane	11.144	129	218862	46.07	ug/l	99
61) 1,2-Dibromoethane	11.250	107	168068	44.95	ug/l	99
64) Tetrachloroethene	10.879	164	226642	48.06	ug/l	98
65) Chlorobenzene	11.673	112	683093	48.05	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.744	131	239581	47.91	ug/l	97
67) Ethyl Benzene	11.744	91	1287834	48.93	ug/l	100
68) m/p-Xylenes	11.855	106	961788	96.79	ug/l	97
69) o-Xylene	12.185	106	449562	48.71	ug/l	97
70) Styrene	12.197	104	758755	48.17	ug/l	99
71) Bromoform	12.361	173	117271	46.27	ug/l #	100
73) Isopropylbenzene	12.479	105	1230034	49.40	ug/l	100
74) N-amyl acetate	12.291	43	238374	46.06	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.732	83	186453	47.08	ug/l	98
76) 1,2,3-Trichloropropane	12.785	75	118244m	40.87	ug/l	
77) Bromobenzene	12.761	156	256617	48.07	ug/l	89
78) n-propylbenzene	12.820	91	1470920	49.93	ug/l	97
79) 2-Chlorotoluene	12.908	91	795774	48.11	ug/l	97
80) 1,3,5-Trimethylbenzene	12.961	105	1004938	48.46	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.532	75	63439	44.37	ug/l	96
82) 4-Chlorotoluene	13.008	91	829966	48.26	ug/l	97
83) tert-Butylbenzene	13.226	119	869680	49.49	ug/l	98
84) 1,2,4-Trimethylbenzene	13.267	105	995487	48.36	ug/l	100
85) sec-Butylbenzene	13.402	105	1223581	49.78	ug/l	98
86) p-Isopropyltoluene	13.514	119	1115561	49.90	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	494591	48.18	ug/l	98
88) 1,4-Dichlorobenzene	13.596	146	489703	48.43	ug/l	98
89) n-Butylbenzene	13.844	91	1084208	50.53	ug/l	98
90) Hexachloroethane	14.114	117	199183	49.32	ug/l	91
91) 1,2-Dichlorobenzene	13.891	146	417224	47.46	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	30347	46.82	ug/l	79
93) 1,2,4-Trichlorobenzene	15.161	180	282823	46.92	ug/l	97
94) Hexachlorobutadiene	15.267	225	161565	48.36	ug/l	100
95) Naphthalene	15.402	128	518528	45.89	ug/l	99
96) 1,2,3-Trichlorobenzene	15.596	180	238389	46.89	ug/l	99

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

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