

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091020\
 Data File : VD066640.D
 Acq On : 11 Sep 2020 04:29
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/11/2020 10:18:05 AM

Quant Time: Sep 11 04:52:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	319326	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	569893	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	540709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	251956	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	218851	56.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.30%	
35) Dibromofluoromethane	7.91	113	204538	53.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.40%	
50) Toluene-d8	10.34	98	751925	54.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.44%	
62) 4-Bromofluorobenzene	12.63	95	252645	55.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.90%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	113459	42.431	ug/l	92
3) Chloromethane	2.21	50	179293	44.398	ug/l	98
4) Vinyl Chloride	2.35	62	181650	40.556	ug/l	97
5) Bromomethane	2.77	94	133601	46.899	ug/l #	78
6) Chloroethane	2.92	64	119676	42.067	ug/l	99
7) Trichlorofluoromethane	3.27	101	276911	41.850	ug/l	99
8) Diethyl Ether	3.71	74	82910	49.761	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	153137	42.764	ug/l	96
10) Methyl Iodide	4.30	142	150813	46.479	ug/l	99
11) Tert butyl alcohol	5.21	59	51939m	207.142	ug/l	
12) 1,1-Dichloroethene	4.07	96	147774	45.932	ug/l	85
13) Acrolein	3.92	56	41030	259.726	ug/l	97
14) Allyl chloride	4.71	41	260163	49.342	ug/l	98
15) Acrylonitrile	5.41	53	199558	278.810	ug/l	99
16) Acetone	4.16	43	154143	216.834	ug/l	95
17) Carbon Disulfide	4.40	76	470362	44.473	ug/l	97
18) Methyl Acetate	4.71	43	93606	55.238	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	403284	53.454	ug/l	98
20) Methylene Chloride	4.97	84	216107	56.664	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	187047	48.959	ug/l	96
22) Diisopropyl ether	6.36	45	597677	55.122	ug/l	97
23) Vinyl Acetate	6.30	43	1667618	270.265	ug/l	100
24) 1,1-Dichloroethane	6.26	63	346384	50.800	ug/l	97
25) 2-Butanone	7.21	43	239063	250.517	ug/l	91
26) 2,2-Dichloropropane	7.21	77	255555	40.859	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	211250	51.419	ug/l	99
28) Bromochloromethane	7.54	49	155541	59.252	ug/l	99
29) Tetrahydrofuran	7.56	42	165577	278.601	ug/l	99
30) Chloroform	7.71	83	375924	52.113	ug/l	98
31) Cyclohexane	7.98	56	264161	41.911	ug/l	92
32) 1,1,1-Trichloroethane	7.90	97	319182	47.062	ug/l	98
36) 1,1-Dichloropropene	8.11	75	259703	43.789	ug/l	100
37) Ethyl Acetate	7.29	43	122538	51.887	ug/l	98
38) Carbon Tetrachloride	8.09	117	272206	43.422	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	269067	40.628	ug/l	99
40) Benzene	8.35	78	771202	47.478	ug/l	99
41) Methacrylonitrile	7.52	41	54201m	47.413	ug/l	
42) 1,2-Dichloroethane	8.42	62	249055	47.323	ug/l	100
43) Isopropyl Acetate	8.44	43	221169	48.868	ug/l	99
44) Trichloroethene	9.11	130	194598	45.672	ug/l	89
45) 1,2-Dichloropropane	9.38	63	196090	48.004	ug/l	95
46) Dibromomethane	9.47	93	111271	49.373	ug/l	97
47) Bromodichloromethane	9.66	83	295186	48.412	ug/l	99
48) Methyl methacrylate	9.45	41	111493	48.718	ug/l	93
49) 1,4-Dioxane	9.46	88	25499	1031.321	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	589674	258.345	ug/l	99
52) Toluene	10.40	92	498137	48.447	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	259500	48.211	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	311253	48.153	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	149269	51.513	ug/l	99
56) Ethyl methacrylate	10.66	69	179851	53.307	ug/l	98
57) 1,3-Dichloropropane	10.94	76	258852	51.000	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	381863	247.450	ug/l	99
59) 2-Hexanone	10.98	43	393500	256.362	ug/l	98
60) Dibromochloromethane	11.14	129	195475	51.014	ug/l	98
61) 1,2-Dibromoethane	11.24	107	141617	50.235	ug/l	98
64) Tetrachloroethene	10.87	164	164703	45.240	ug/l	91
65) Chlorobenzene	11.67	112	514678	46.119	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	199167	46.762	ug/l	100
67) Ethyl Benzene	11.74	91	951728	46.445	ug/l	97
68) m/p-Xylenes	11.85	106	723990	95.154	ug/l	99
69) o-Xylene	12.18	106	335543	49.209	ug/l	97
70) Styrene	12.20	104	588780	49.667	ug/l	98
71) Bromoform	12.36	173	103331	48.140	ug/l #	99
73) Isopropylbenzene	12.48	105	881274	47.242	ug/l	100
74) N-amyl acetate	12.29	43	205794	48.708	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	165156	50.114	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	121847m	50.285	ug/l	
77) Bromobenzene	12.76	156	203337	48.892	ug/l	98
78) n-propylbenzene	12.82	91	1060309	46.887	ug/l	100
79) 2-Chlorotoluene	12.91	91	611671	48.215	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	751620	47.871	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	46970	45.255	ug/l	99
82) 4-Chlorotoluene	13.00	91	640164	47.187	ug/l	98
83) tert-Butylbenzene	13.23	119	615041	47.969	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	754616	48.273	ug/l	99
85) sec-Butylbenzene	13.40	105	850648	46.050	ug/l	99
86) p-Isopropyltoluene	13.52	119	775439	46.639	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	390524	47.299	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	378206	45.638	ug/l	98
89) n-Butylbenzene	13.84	91	709651	43.800	ug/l	99
90) Hexachloroethane	14.11	117	165966	46.327	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	341918	47.378	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	24870	44.424	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	202576	46.772	ug/l	99
94) Hexachlorobutadiene	15.27	225	109636	42.135	ug/l	99
95) Naphthalene	15.41	128	393666	52.014	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	181009	49.020	ug/l	100

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

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