

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081420\
 Data File : VD066248.D
 Acq On : 14 Aug 2020 20:35
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/17/2020 5:45:59 PM

Quant Time: Aug 17 09:58:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	263941	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	382379	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	357124	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	192962	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	127429	54.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.24%	
35) Dibromofluoromethane	7.91	113	124997	51.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.20%	
50) Toluene-d8	10.34	98	456333	51.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.10%	
62) 4-Bromofluorobenzene	12.63	95	166175	51.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.14%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	92169	39.636	ug/l	100
3) Chloromethane	2.20	50	73749	40.770	ug/l	99
4) Vinyl Chloride	2.34	62	70631	44.103	ug/l	95
5) Bromomethane	2.76	94	51503	48.473	ug/l	99
6) Chloroethane	2.91	64	46707	47.512	ug/l #	88
7) Trichlorofluoromethane	3.26	101	196135	46.976	ug/l	97
8) Diethyl Ether	3.70	74	57315	48.651	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.09	101	114071	46.036	ug/l	99
10) Methyl Iodide	4.30	142	104194	46.700	ug/l	98
11) Tert butyl alcohol	5.23	59	41963	236.620	ug/l	96
12) 1,1-Dichloroethene	4.06	96	106788	45.685	ug/l	94
13) Acrolein	3.93	56	31809	169.708	ug/l	97
14) Allyl chloride	4.71	41	159365	45.003	ug/l	93
15) Acrylonitrile	5.42	53	124546	250.879	ug/l	98
16) Acetone	4.16	43	105723	236.624	ug/l	98
17) Carbon Disulfide	4.40	76	303853	40.884	ug/l	98
18) Methyl Acetate	4.72	43	53786	47.394	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	277367	51.770	ug/l	94
20) Methylene Chloride	4.96	84	142587	56.142	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	122627	45.667	ug/l	96
22) Diisopropyl ether	6.36	45	341087	48.707	ug/l	94
23) Vinyl Acetate	6.30	43	1009232	246.001	ug/l	99
24) 1,1-Dichloroethane	6.26	63	210315	48.529	ug/l	99
25) 2-Butanone	7.20	43	149384	227.319	ug/l	98
26) 2,2-Dichloropropane	7.20	77	183735	47.302	ug/l	99
27) cis-1,2-Dichloroethene	7.20	96	139399	49.494	ug/l	98
28) Bromochloromethane	7.54	49	79007	51.905	ug/l	97
29) Tetrahydrofuran	7.56	42	98468	241.847	ug/l	98
30) Chloroform	7.70	83	233063	51.215	ug/l	95
31) Cyclohexane	7.97	56	171345	41.534	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	217110	50.884	ug/l	99
36) 1,1-Dichloropropene	8.11	75	170376	47.416	ug/l	99
37) Ethyl Acetate	7.29	43	68566	48.161	ug/l	96
38) Carbon Tetrachloride	8.09	117	201401	50.263	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	196141	45.156	ug/l	97
40) Benzene	8.34	78	478887	48.043	ug/l	96
41) Methacrylonitrile	7.52	41	35000	41.812	ug/l #	87
42) 1,2-Dichloroethane	8.41	62	149466	51.042	ug/l	99
43) Isopropyl Acetate	8.44	43	137860	49.147	ug/l	99
44) Trichloroethene	9.11	130	143434	47.753	ug/l	98
45) 1,2-Dichloropropane	9.38	63	119436	48.992	ug/l	96
46) Dibromomethane	9.47	93	68010	50.646	ug/l	97
47) Bromodichloromethane	9.66	83	185994	52.406	ug/l	96
48) Methyl methacrylate	9.45	41	66996	46.774	ug/l	86
49) 1,4-Dioxane	9.46	88	17885	1036.684	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	364232	252.791	ug/l	98
52) Toluene	10.40	92	323934	49.388	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	173091	51.391	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	200889	50.907	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	96952	50.140	ug/l	96
56) Ethyl methacrylate	10.66	69	122760	52.849	ug/l	95
57) 1,3-Dichloropropane	10.94	76	162403	50.591	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	295302	282.627	ug/l	100
59) 2-Hexanone	10.98	43	250813	248.033	ug/l	97
60) Dibromochloromethane	11.14	129	139173	52.134	ug/l	98
61) 1,2-Dibromoethane	11.24	107	95654	51.438	ug/l	99
64) Tetrachloroethene	10.87	164	133322	48.616	ug/l	98
65) Chlorobenzene	11.67	112	360680	49.751	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	140814	49.642	ug/l	97
67) Ethyl Benzene	11.74	91	633728	50.444	ug/l	96
68) m/p-Xylenes	11.85	106	478047	98.213	ug/l	96
69) o-Xylene	12.18	106	226650	51.188	ug/l	98
70) Styrene	12.20	104	400520	51.614	ug/l	98
71) Bromoform	12.36	173	87095	51.823	ug/l #	97
73) Isopropylbenzene	12.48	105	628312	48.779	ug/l	99
74) N-amyl acetate	12.29	43	135446	47.753	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	106835	48.642	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	67765m	42.112	ug/l	
77) Bromobenzene	12.76	156	159221	48.020	ug/l	99
78) n-propylbenzene	12.82	91	723201	48.301	ug/l	100
79) 2-Chlorotoluene	12.91	91	412135	48.127	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	532282	49.412	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	33172	45.569	ug/l	91
82) 4-Chlorotoluene	13.00	91	442007	48.895	ug/l	99
83) tert-Butylbenzene	13.23	119	465609	49.148	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	525803	48.774	ug/l	100
85) sec-Butylbenzene	13.40	105	626043	48.946	ug/l	100
86) p-Isopropyltoluene	13.52	119	577142	48.110	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	299336	48.034	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	295094	47.482	ug/l	99
89) n-Butylbenzene	13.84	91	525867	48.926	ug/l	100
90) Hexachloroethane	14.11	117	116239	48.584	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	263087	47.736	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	17724	46.952	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	194621	47.919	ug/l	99
94) Hexachlorobutadiene	15.27	225	116481	48.703	ug/l	98
95) Naphthalene	15.41	128	333969	50.465	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	173740	48.458	ug/l	97

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

