

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030220\
 Data File : VD065369.D
 Acq On : 02 Mar 2020 10:04
 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
 3/3/2020 11:12:00 AM

Quant Time: Mar 02 12:04:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	467406	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	664078	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	597185	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	296869	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	190808	45.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.76%	
35) Dibromofluoromethane	7.92	113	207144	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
50) Toluene-d8	10.34	98	822042	53.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.22%	
62) 4-Bromofluorobenzene	12.64	95	265797	54.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.40%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	193267	49.299	ug/l	98
3) Chloromethane	2.21	50	224487	44.989	ug/l	100
4) Vinyl Chloride	2.36	62	229654	45.261	ug/l	97
5) Bromomethane	2.77	94	139170	45.364	ug/l	95
6) Chloroethane	2.93	64	143562	46.352	ug/l	98
7) Trichlorofluoromethane	3.28	101	353901	48.717	ug/l	98
8) Diethyl Ether	3.71	74	99459	45.357	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	226449	49.362	ug/l	98
10) Methyl Iodide	4.30	142	239192	50.217	ug/l	99
11) Tert butyl alcohol	5.24	59	48963	194.867	ug/l	97
12) 1,1-Dichloroethene	4.06	96	208306	48.068	ug/l	94
13) Acrolein	3.93	56	69088	221.089	ug/l	99
14) Allyl chloride	4.71	41	327042	46.473	ug/l	98
15) Acrylonitrile	5.43	53	209952	216.263	ug/l	100
16) Acetone	4.16	43	271562	264.200	ug/l	99
17) Carbon Disulfide	4.40	76	660294	45.447	ug/l	99
18) Methyl Acetate	4.72	43	96466	41.729	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	404718	44.785	ug/l	98
20) Methylene Chloride	4.96	84	231355	50.617	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	236554	48.017	ug/l	98
22) Diisopropyl ether	6.37	45	643115	47.405	ug/l	99
23) Vinyl Acetate	6.31	43	1719918	229.965	ug/l	100
24) 1,1-Dichloroethane	6.27	63	397414	47.229	ug/l	98
25) 2-Butanone	7.22	43	291572	224.205	ug/l	99
26) 2,2-Dichloropropane	7.21	77	360235	49.341	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	250887	48.078	ug/l	99
28) Bromochloromethane	7.55	49	156704	50.196	ug/l	99
29) Tetrahydrofuran	7.57	42	161697	212.207	ug/l	99
30) Chloroform	7.71	83	401886	47.406	ug/l	100
31) Cyclohexane	7.98	56	381775	46.177	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	373042	49.182	ug/l	99
36) 1,1-Dichloropropene	8.11	75	330519	51.152	ug/l	99
37) Ethyl Acetate	7.30	43	113764	42.116	ug/l	99
38) Carbon Tetrachloride	8.10	117	346000	52.602	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	404878	53.299	ug/l	97
40) Benzene	8.36	78	927100	50.833	ug/l	99
41) Methacrylonitrile	7.53	41	57690	36.989	ug/l	88
42) 1,2-Dichloroethane	8.43	62	235584	46.986	ug/l	98
43) Isopropyl Acetate	8.46	43	213204	43.404	ug/l	97
44) Trichloroethene	9.11	130	261423	51.710	ug/l	97
45) 1,2-Dichloropropane	9.39	63	225040	49.622	ug/l	99
46) Dibromomethane	9.48	93	113286	48.550	ug/l	99
47) Bromodichloromethane	9.67	83	304427	49.506	ug/l	95
48) Methyl methacrylate	9.46	41	101823	44.846	ug/l	95
49) 1,4-Dioxane	9.47	88	25391	927.790	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	566482	227.056	ug/l	100
52) Toluene	10.41	92	596779	52.863	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	279133	48.972	ug/l	94
54) cis-1,3-Dichloropropene	10.10	75	345137	50.145	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	161756	49.252	ug/l	98
56) Ethyl methacrylate	10.67	69	185727	48.995	ug/l	96
57) 1,3-Dichloropropane	10.95	76	276267	49.424	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	281410	235.466	ug/l	99
59) 2-Hexanone	10.99	43	465028	260.381	ug/l	96
60) Dibromochloromethane	11.14	129	208474	49.594	ug/l	100
61) 1,2-Dibromoethane	11.25	107	148316	47.696	ug/l	99
64) Tetrachloroethene	10.88	164	226501	53.478	ug/l	98
65) Chlorobenzene	11.67	112	621090	51.827	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	228169	51.020	ug/l	99
67) Ethyl Benzene	11.75	91	1128925	53.787	ug/l	99
68) m/p-Xylenes	11.86	106	869586	108.291	ug/l	98
69) o-Xylene	12.18	106	383837	53.953	ug/l	99
70) Styrene	12.20	104	682911	54.066	ug/l	99
71) Bromoform	12.37	173	121853	49.103	ug/l #	100
73) Isopropylbenzene	12.48	105	1077782	54.837	ug/l	100
74) N-amyl acetate	12.30	43	195937	44.865	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	164739	46.443	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	112513m	44.545	ug/l	
77) Bromobenzene	12.77	156	248396	50.896	ug/l	98
78) n-propylbenzene	12.83	91	1293607	54.770	ug/l	99
79) 2-Chlorotoluene	12.91	91	697125	52.687	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	885375	54.694	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	53103	45.394	ug/l	94
82) 4-Chlorotoluene	13.01	91	727801	51.812	ug/l	99
83) tert-Butylbenzene	13.23	119	748933	55.201	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	879612	54.288	ug/l	100
85) sec-Butylbenzene	13.41	105	1073199	54.896	ug/l	100
86) p-Isopropyltoluene	13.53	119	986713	55.191	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	483054	51.198	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	477380	51.266	ug/l	99
89) n-Butylbenzene	13.86	91	924562	56.121	ug/l	100
90) Hexachloroethane	14.12	117	193105	53.195	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	411611	50.809	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	24869	45.495	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	286415	54.050	ug/l	100
94) Hexachlorobutadiene	15.28	225	186885	54.978	ug/l	99
95) Naphthalene	15.41	128	439254	50.989	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	241023	52.078	ug/l	98

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

