

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021820\
 Data File : VD065215.D
 Acq On : 18 Feb 2020 11:58
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 1:44:10 PM

Quant Time: Feb 19 03:18:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 02:58:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	530688	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	790934	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	718006	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	344277	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	234735	49.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.34%	
35) Dibromofluoromethane	7.92	113	237405	49.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.46%	
50) Toluene-d8	10.34	98	932075	50.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.12%	
62) 4-Bromofluorobenzene	12.64	95	293583	50.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.54%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	219755	49.371	ug/l	100
3) Chloromethane	2.21	50	262765	46.380	ug/l	100
4) Vinyl Chloride	2.35	62	275820	47.877	ug/l	100
5) Bromomethane	2.77	94	153391	44.037	ug/l	100
6) Chloroethane	2.93	64	166148	47.248	ug/l	100
7) Trichlorofluoromethane	3.27	101	386583	46.870	ug/l	100
8) Diethyl Ether	3.71	74	117334	47.128	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	241449	46.356	ug/l	100
10) Methyl Iodide	4.30	142	288859	53.413	ug/l	100
11) Tert butyl alcohol	5.26	59	65447	229.411	ug/l	100
12) 1,1-Dichloroethene	4.06	96	234321	47.623	ug/l	100
13) Acrolein	3.93	56	77376	182.191	ug/l	100
14) Allyl chloride	4.71	41	383460	47.992	ug/l	100
15) Acrylonitrile	5.43	53	267028	242.255	ug/l	100
16) Acetone	4.17	43	307169	263.206	ug/l	100
17) Carbon Disulfide	4.40	76	779088	47.229	ug/l	100
18) Methyl Acetate	4.73	43	122815	46.791	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	514780	50.171	ug/l	100
20) Methylene Chloride	4.97	84	256753	43.340	ug/l	100
21) trans-1,2-Dichloroethene	5.47	96	265659	47.495	ug/l	100
22) Diisopropyl ether	6.37	45	767271	49.813	ug/l	100
23) Vinyl Acetate	6.31	43	2222696	261.751	ug/l	100
24) 1,1-Dichloroethane	6.27	63	448888	46.985	ug/l	100
25) 2-Butanone	7.22	43	378548	256.374	ug/l	100
26) 2,2-Dichloropropane	7.21	77	381794	46.058	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	283052	47.774	ug/l	100
28) Bromochloromethane	7.55	49	160480	45.276	ug/l	100
29) Tetrahydrofuran	7.57	42	220968	255.412	ug/l	100
30) Chloroform	7.71	83	451931	46.952	ug/l	100
31) Cyclohexane	7.98	56	433862	46.219	ug/l	100
32) 1,1,1-Trichloroethane	7.91	97	399796	46.424	ug/l	100
36) 1,1-Dichloropropene	8.11	75	362884	47.153	ug/l	100
37) Ethyl Acetate	7.30	43	150917	46.909	ug/l	100
38) Carbon Tetrachloride	8.10	117	366582	46.792	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	447456	49.456	ug/l	100
40) Benzene	8.36	78	1030423	47.436	ug/l	100
41) Methacrylonitrile	7.53	41	85821	46.200	ug/l	100
42) 1,2-Dichloroethane	8.43	62	282980	47.387	ug/l	100
43) Isopropyl Acetate	8.46	43	290461	49.648	ug/l	100
44) Trichloroethene	9.11	130	282935	46.989	ug/l	100
45) 1,2-Dichloropropane	9.39	63	257522	47.677	ug/l	100
46) Dibromomethane	9.48	93	134578	48.425	ug/l	100
47) Bromodichloromethane	9.67	83	346739	47.343	ug/l	100
48) Methyl methacrylate	9.46	41	139827	51.707	ug/l	100
49) 1,4-Dioxane	9.47	88	32273	990.120	ug/l	100
51) 4-Methyl-2-Pentanone	10.24	43	752925	253.383	ug/l	100
52) Toluene	10.41	92	664288	49.406	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	334279	49.241	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	400568	48.864	ug/l	100
55) 1,1,2-Trichloroethane	10.81	97	187101	47.832	ug/l	100
56) Ethyl methacrylate	10.67	69	233550	51.729	ug/l	100
57) 1,3-Dichloropropane	10.95	76	320676	48.167	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	317650	223.160	ug/l	100
59) 2-Hexanone	10.99	43	572149	268.979	ug/l	100
60) Dibromochloromethane	11.14	129	240617	48.060	ug/l	100
61) 1,2-Dibromoethane	11.25	107	180486	48.733	ug/l	100
64) Tetrachloroethene	10.88	164	238702	46.875	ug/l	100
65) Chlorobenzene	11.67	112	680871	47.255	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	252620	46.982	ug/l	100
67) Ethyl Benzene	11.75	91	1229376	48.717	ug/l	100
68) m/p-Xylenes	11.86	106	951826	98.586	ug/l	100
69) o-Xylene	12.18	106	428332	50.076	ug/l	100
70) Styrene	12.20	104	760584	50.083	ug/l	100
71) Bromoform	12.37	173	141269	47.348	ug/l #	100
73) Isopropylbenzene	12.48	105	1155428	50.693	ug/l	100
74) N-amyl acetate	12.30	43	265423	52.407	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	198519	48.259	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	133815m	27.122	ug/l	
77) Bromobenzene	12.77	156	279377	49.361	ug/l	100
78) n-propylbenzene	12.83	91	1381873	50.451	ug/l	100
79) 2-Chlorotoluene	12.91	91	759245	49.480	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	944641	50.320	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	67655	49.870	ug/l	100
82) 4-Chlorotoluene	13.01	91	800042	49.112	ug/l	100
83) tert-Butylbenzene	13.23	119	796229	50.606	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	948242	50.465	ug/l	100
85) sec-Butylbenzene	13.41	105	1128605	49.780	ug/l	100
86) p-Isopropyltoluene	13.53	119	1051013	50.692	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	527994	48.255	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	520144	48.166	ug/l	100
89) n-Butylbenzene	13.86	91	963995	50.457	ug/l	100
90) Hexachloroethane	14.12	117	200594	47.649	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	452255	48.138	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	31052	48.984	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	309815	50.415	ug/l	100
94) Hexachlorobutadiene	15.28	225	185072	46.947	ug/l	100
95) Naphthalene	15.41	128	528917	52.943	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	267259	49.795	ug/l	100

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

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