

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100219\
 Data File : VD063861.D
 Acq On : 02 Oct 2019 15:00
 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
 10/3/2019 12:54:24 PM

Quant Time: Oct 03 04:16:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 03 03:24:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	200089	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	325041	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	320593	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	175639	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	90247	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	
35) Dibromofluoromethane	7.91	113	89435	43.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.50%	
50) Toluene-d8	10.34	98	356099	46.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.00%	
62) 4-Bromofluorobenzene	12.63	95	125347	44.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	48886	35.004	ug/l	93
3) Chloromethane	2.21	50	182601	43.245	ug/l	97
4) Vinyl Chloride	2.35	62	206189	47.729	ug/l	96
5) Bromomethane	2.77	94	111958	43.835	ug/l	99
6) Chloroethane	2.92	64	135040	45.519	ug/l	96
7) Trichlorofluoromethane	3.27	101	279501	48.412	ug/l	94
8) Diethyl Ether	3.70	74	45944	48.092	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	77185	45.739	ug/l	97
10) Methyl Iodide	4.29	142	100391	48.862	ug/l	98
11) Tert butyl alcohol	5.26	59	35520	238.411	ug/l #	71
12) 1,1-Dichloroethene	4.06	96	73880	43.214	ug/l	92
13) Acrolein	3.93	56	32463	181.331	ug/l	94
14) Allyl chloride	4.70	41	130938	47.943	ug/l	98
15) Acrylonitrile	5.43	53	103335	248.075	ug/l	99
16) Acetone	4.16	43	110417	245.325	ug/l	99
17) Carbon Disulfide	4.40	76	262070	44.967	ug/l	97
18) Methyl Acetate	4.71	43	48887	46.713	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	211036	49.035	ug/l	100
20) Methylene Chloride	4.95	84	102540	39.948	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	94369	47.010	ug/l	98
22) Diisopropyl ether	6.36	45	281033	50.159	ug/l	94
23) Vinyl Acetate	6.30	43	842881	252.910	ug/l	99
24) 1,1-Dichloroethane	6.26	63	164301	48.032	ug/l	94
25) 2-Butanone	7.22	43	143217	250.617	ug/l	96
26) 2,2-Dichloropropane	7.20	77	151685	47.941	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	109079	48.674	ug/l	98
28) Bromochloromethane	7.54	49	63891	48.568	ug/l	97
29) Tetrahydrofuran	7.56	42	85637	256.470	ug/l	96
30) Chloroform	7.71	83	179819	48.648	ug/l	96
31) Cyclohexane	7.98	56	146406	43.604	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	158341	47.508	ug/l	99
36) 1,1-Dichloropropene	8.11	75	139899	47.591	ug/l	99
37) Ethyl Acetate	7.30	43	57744	46.020	ug/l #	79
38) Carbon Tetrachloride	8.10	117	144262	47.478	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	164993	45.201	ug/l	91
40) Benzene	8.35	78	396374	48.632	ug/l	95
41) Methacrylonitrile	7.53	41	28813	40.608	ug/l	97
42) 1,2-Dichloroethane	8.43	62	116769	48.906	ug/l	98
43) Isopropyl Acetate	8.46	43	122059	49.302	ug/l	96
44) Trichloroethene	9.11	130	112171	47.432	ug/l	89
45) 1,2-Dichloropropane	9.38	63	99957	49.572	ug/l	88
46) Dibromomethane	9.47	93	56839	49.854	ug/l	98
47) Bromodichloromethane	9.66	83	145025	49.524	ug/l #	98
48) Methyl methacrylate	9.46	41	53530	47.435	ug/l	94
49) 1,4-Dioxane	9.47	88	15033	930.894	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	310763	247.497	ug/l	96
52) Toluene	10.40	92	274388	49.539	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	144364	49.700	ug/l	91
54) cis-1,3-Dichloropropene	10.09	75	165980	50.459	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	82163	51.188	ug/l	91
56) Ethyl methacrylate	10.66	69	103599	50.619	ug/l	96
57) 1,3-Dichloropropane	10.94	76	137010	49.901	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	195581	213.900	ug/l	98
59) 2-Hexanone	10.98	43	224086	246.090	ug/l	99
60) Dibromochloromethane	11.14	129	107863	50.864	ug/l	95
61) 1,2-Dibromoethane	11.24	107	79620	49.439	ug/l	98
64) Tetrachloroethene	10.87	164	102782	48.044	ug/l	96
65) Chlorobenzene	11.67	112	309996	48.326	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.74	131	114688	48.731	ug/l	98
67) Ethyl Benzene	11.74	91	561232	48.684	ug/l	98
68) m/p-Xylenes	11.86	106	434190	97.590	ug/l	97
69) o-Xylene	12.18	106	205797	49.144	ug/l	98
70) Styrene	12.19	104	355005	49.909	ug/l	98
71) Bromoform	12.36	173	66386	51.005	ug/l #	99
73) Isopropylbenzene	12.48	105	554407	46.667	ug/l	98
74) N-amyl acetate	12.28	43	118597	45.461	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	90924	45.732	ug/l	94
76) 1,2,3-Trichloropropane	12.78	75	57818m	43.651	ug/l	
77) Bromobenzene	12.76	156	138728	48.327	ug/l	98
78) n-propylbenzene	12.82	91	650606	46.509	ug/l	99
79) 2-Chlorotoluene	12.91	91	356444	47.294	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	470296	47.517	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	31592	47.523	ug/l	98
82) 4-Chlorotoluene	13.00	91	374367	46.397	ug/l	99
83) tert-Butylbenzene	13.23	119	415592	47.868	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	475156	47.273	ug/l	99
85) sec-Butylbenzene	13.40	105	561394	46.650	ug/l	100
86) p-Isopropyltoluene	13.51	119	542063	48.085	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	272053	48.361	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	269534	48.006	ug/l	99
89) n-Butylbenzene	13.84	91	505386	47.260	ug/l	99
90) Hexachloroethane	14.11	117	99890	47.924	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	240484	49.627	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16119	46.983	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	182112	49.625	ug/l	98
94) Hexachlorobutadiene	15.27	225	101387	48.821	ug/l	95
95) Naphthalene	15.40	128	328230	49.647	ug/l	99
96) 1,2,3-Trichlorobenzene	15.59	180	160247	49.221	ug/l	98

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

