

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100419\
 Data File : VD063884.D
 Acq On : 04 Oct 2019 11:47
 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
 10/8/2019 3:11:23 PM

Quant Time: Oct 05 03:57:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	213110	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	333323	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	325450	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	174543	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	94506	45.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.10%	
35) Dibromofluoromethane	7.91	113	94708	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	
50) Toluene-d8	10.34	98	389705	47.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.26%	
62) 4-Bromofluorobenzene	12.63	95	128382	44.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	75174	49.741	ug/l	90
3) Chloromethane	2.21	50	199108	48.654	ug/l	97
4) Vinyl Chloride	2.35	62	219700	44.978	ug/l	95
5) Bromomethane	2.77	94	134566	42.851	ug/l	96
6) Chloroethane	2.93	64	141133	43.689	ug/l	92
7) Trichlorofluoromethane	3.27	101	285385	44.189	ug/l	96
8) Diethyl Ether	3.71	74	48163	46.463	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	86606	48.446	ug/l	97
10) Methyl Iodide	4.30	142	119375	48.461	ug/l	98
11) Tert butyl alcohol	5.24	59	40909	284.935	ug/l	100
12) 1,1-Dichloroethene	4.06	96	83935	46.995	ug/l	98
13) Acrolein	3.93	56	48321	260.761	ug/l	97
14) Allyl chloride	4.70	41	134042	45.141	ug/l	98
15) Acrylonitrile	5.43	53	110831	242.510	ug/l	97
16) Acetone	4.16	43	133021	246.253	ug/l	99
17) Carbon Disulfide	4.40	76	297607	45.839	ug/l #	94
18) Methyl Acetate	4.72	43	47806	45.248	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	227251	49.136	ug/l	94
20) Methylene Chloride	4.96	84	117607	49.008	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	109937	49.445	ug/l	95
22) Diisopropyl ether	6.37	45	283688	46.779	ug/l	96
23) Vinyl Acetate	6.31	43	882784	244.696	ug/l	99
24) 1,1-Dichloroethane	6.26	63	177672	47.564	ug/l	96
25) 2-Butanone	7.22	43	155975	243.646	ug/l #	89
26) 2,2-Dichloropropane	7.21	77	165392	48.946	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	120734	47.975	ug/l	99
28) Bromochloromethane	7.55	49	71716	50.479	ug/l	97
29) Tetrahydrofuran	7.57	42	85413	228.587	ug/l	98
30) Chloroform	7.71	83	192275	47.391	ug/l	99
31) Cyclohexane	7.98	56	156943	50.888	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	171155	49.179	ug/l	98
36) 1,1-Dichloropropene	8.11	75	145673	47.798	ug/l	98
37) Ethyl Acetate	7.30	43	61985	50.784	ug/l	97
38) Carbon Tetrachloride	8.10	117	150533	48.878	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	177652	47.409	ug/l	93
40) Benzene	8.35	78	424377	48.591	ug/l	97
41) Methacrylonitrile	7.54	41	35770m	50.623	ug/l	
42) 1,2-Dichloroethane	8.43	62	118817	47.031	ug/l	99
43) Isopropyl Acetate	8.46	43	120548	47.165	ug/l	99
44) Trichloroethene	9.11	130	125741	49.928	ug/l	100
45) 1,2-Dichloropropane	9.38	63	101601	47.528	ug/l	94
46) Dibromomethane	9.48	93	58086	47.711	ug/l	97
47) Bromodichloromethane	9.66	83	151888	48.457	ug/l	99
48) Methyl methacrylate	9.46	41	54226	44.281	ug/l	93
49) 1,4-Dioxane	9.47	88	15981	961.665	ug/l	89
51) 4-Methyl-2-Pentanone	10.23	43	316730	238.946	ug/l	100
52) Toluene	10.40	92	294925	49.191	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	150033	49.052	ug/l	90
54) cis-1,3-Dichloropropene	10.09	75	177846	50.512	ug/l	93
55) 1,1,2-Trichloroethane	10.80	97	81652	47.500	ug/l	93
56) Ethyl methacrylate	10.66	69	105168	48.312	ug/l	98
57) 1,3-Dichloropropane	10.94	76	139030	47.271	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	207429	221.686	ug/l	99
59) 2-Hexanone	10.98	43	237666	247.865	ug/l	99
60) Dibromochloromethane	11.14	129	111158	49.670	ug/l	97
61) 1,2-Dibromoethane	11.24	107	85032	51.025	ug/l	99
64) Tetrachloroethene	10.87	164	109310	49.199	ug/l	97
65) Chlorobenzene	11.67	112	323852	49.549	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	118283	49.114	ug/l	97
67) Ethyl Benzene	11.74	91	587352	49.837	ug/l	99
68) m/p-Xylenes	11.86	106	457803	100.639	ug/l	100
69) o-Xylene	12.18	106	216874	49.789	ug/l	95
70) Styrene	12.20	104	373799	50.693	ug/l	99
71) Bromoform	12.36	173	66658	51.574	ug/l #	100
73) Isopropylbenzene	12.48	105	578876	49.335	ug/l	99
74) N-amyl acetate	12.29	43	122955	48.670	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	95395	46.721	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	58748m	50.253	ug/l	
77) Bromobenzene	12.76	156	142943	48.897	ug/l	98
78) n-propylbenzene	12.82	91	678244	49.245	ug/l	100
79) 2-Chlorotoluene	12.91	91	367664	48.413	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	491578	50.217	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	32110	48.606	ug/l	96
82) 4-Chlorotoluene	13.00	91	389194	48.310	ug/l	99
83) tert-Butylbenzene	13.23	119	425574	48.849	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	492263	48.778	ug/l	100
85) sec-Butylbenzene	13.40	105	582526	49.512	ug/l	99
86) p-Isopropyltoluene	13.51	119	559324	50.239	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	288059	49.870	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	279606	49.067	ug/l	98
89) n-Butylbenzene	13.84	91	516728	49.862	ug/l	99
90) Hexachloroethane	14.11	117	107201	53.537	ug/l	95
91) 1,2-Dichlorobenzene	13.89	146	247015	49.623	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.50	75	16458	51.976	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	193058	50.263	ug/l	99
94) Hexachlorobutadiene	15.27	225	103796	48.971	ug/l	94
95) Naphthalene	15.40	128	337031	52.207	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	167765	50.624	ug/l	99

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

