

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101419\
 Data File : VD063950.D
 Acq On : 14 Oct 2019 12:22
 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
 10/16/2019 12:54:26 AM

Quant Time: Oct 14 17:16:18 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	187267	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	291859	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	294837	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	168528	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	91538	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
35) Dibromofluoromethane	7.92	113	92634	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
50) Toluene-d8	10.34	98	391939	54.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.28%	
62) 4-Bromofluorobenzene	12.63	95	137142	54.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.02%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	57900	43.598	ug/l	88
3) Chloromethane	2.21	50	190262	53.329	ug/l	98
4) Vinyl Chloride	2.35	62	219881	51.227	ug/l	100
5) Bromomethane	2.77	94	126732	45.926	ug/l	93
6) Chloroethane	2.92	64	143652	50.606	ug/l	90
7) Trichlorofluoromethane	3.27	101	299812	52.830	ug/l	99
8) Diethyl Ether	3.71	74	43267	47.500	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	78741	50.125	ug/l	96
10) Methyl Iodide	4.29	142	105525	48.751	ug/l	97
11) Tert butyl alcohol	5.25	59	27065m	212.478	ug/l	
12) 1,1-Dichloroethene	4.06	96	76840	48.960	ug/l	94
13) Acrolein	3.92	56	34754	213.430	ug/l	99
14) Allyl chloride	4.70	41	124054	47.543	ug/l	98
15) Acrylonitrile	5.43	53	97564	242.941	ug/l	97
16) Acetone	4.16	43	124459	262.199	ug/l	98
17) Carbon Disulfide	4.40	76	264906	46.433	ug/l #	94
18) Methyl Acetate	4.71	43	44247	47.659	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	199175	49.009	ug/l	99
20) Methylene Chloride	4.96	84	101490	48.070	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	99350	50.850	ug/l	98
22) Diisopropyl ether	6.37	45	272488	51.132	ug/l	98
23) Vinyl Acetate	6.31	43	798261	251.803	ug/l	99
24) 1,1-Dichloroethane	6.26	63	167053	50.892	ug/l	97
25) 2-Butanone	7.22	43	143036	254.268	ug/l	92
26) 2,2-Dichloropropane	7.21	77	147690	49.739	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	113738	51.432	ug/l	96
28) Bromochloromethane	7.55	49	72360	57.685	ug/l	99
29) Tetrahydrofuran	7.57	42	76121	231.833	ug/l	98
30) Chloroform	7.71	83	180107	50.519	ug/l	96
31) Cyclohexane	7.98	56	151166	56.196	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	163601	53.495	ug/l	97
36) 1,1-Dichloropropene	8.11	75	141006	52.840	ug/l	97
37) Ethyl Acetate	7.30	43	53218	49.711	ug/l #	94
38) Carbon Tetrachloride	8.10	117	145749	54.048	ug/l #	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	172419	52.549	ug/l	92
40) Benzene	8.35	78	408843	53.463	ug/l	99
41) Methacrylonitrile	7.53	41	30519	49.328	ug/l	93
42) 1,2-Dichloroethane	8.43	62	111632	50.465	ug/l	100
43) Isopropyl Acetate	8.46	43	106246	47.475	ug/l	99
44) Trichloroethene	9.11	130	115324	52.297	ug/l	99
45) 1,2-Dichloropropane	9.39	63	98376	52.557	ug/l	97
46) Dibromomethane	9.47	93	57154	53.615	ug/l	100
47) Bromodichloromethane	9.67	83	142941	52.082	ug/l #	93
48) Methyl methacrylate	9.46	41	48501	45.232	ug/l	92
49) 1,4-Dioxane	9.47	88	15739	1081.656	ug/l	87
51) 4-Methyl-2-Pentanone	10.23	43	282199	243.141	ug/l	98
52) Toluene	10.41	92	281154	53.556	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	139043	51.917	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	164304	53.296	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	80643	53.578	ug/l	93
56) Ethyl methacrylate	10.67	69	95690	50.203	ug/l	98
57) 1,3-Dichloropropane	10.95	76	135426	52.588	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	204746	249.906	ug/l	99
59) 2-Hexanone	10.99	43	210907	251.207	ug/l	99
60) Dibromochloromethane	11.14	129	104656	53.408	ug/l	97
61) 1,2-Dibromoethane	11.25	107	79144	54.239	ug/l	99
64) Tetrachloroethene	10.87	164	107240	53.279	ug/l	91
65) Chlorobenzene	11.67	112	321303	54.264	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	119138	54.605	ug/l	96
67) Ethyl Benzene	11.75	91	566256	53.036	ug/l	95
68) m/p-Xylenes	11.86	106	450304	109.269	ug/l	100
69) o-Xylene	12.18	106	208309	52.789	ug/l	97
70) Styrene	12.20	104	360965	54.035	ug/l	100
71) Bromoform	12.36	173	64944	55.465	ug/l #	98
73) Isopropylbenzene	12.48	105	575324	50.782	ug/l	98
74) N-amyl acetate	12.29	43	111093	45.545	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	90297	45.802	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	75984m	67.317	ug/l	
77) Bromobenzene	12.76	156	141449	50.113	ug/l	97
78) n-propylbenzene	12.82	91	670102	50.390	ug/l	99
79) 2-Chlorotoluene	12.91	91	359136	48.978	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	484116	51.220	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	30288	47.484	ug/l	98
82) 4-Chlorotoluene	13.01	91	382600	49.187	ug/l	99
83) tert-Butylbenzene	13.23	119	425134	50.540	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	496243	50.928	ug/l	100
85) sec-Butylbenzene	13.40	105	597435	52.591	ug/l	100
86) p-Isopropyltoluene	13.52	119	566985	52.745	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	283976	50.917	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	282082	51.268	ug/l	97
89) n-Butylbenzene	13.84	91	517933	51.762	ug/l	98
90) Hexachloroethane	14.11	117	100094	51.772	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	245712	51.123	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14560	47.407	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	188436	50.811	ug/l	98
94) Hexachlorobutadiene	15.27	225	107480	52.518	ug/l	98
95) Naphthalene	15.41	128	315957	50.689	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	161339	50.423	ug/l	99

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

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