

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100719\
 Data File : VD063893.D
 Acq On : 07 Oct 2019 10:40
 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
 10/10/2019 1:45:54 PM

Quant Time: Oct 08 17:29:34 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	205893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	323712	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	318726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	168580	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	94690	47.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.48%	
35) Dibromofluoromethane	7.92	113	99103	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
50) Toluene-d8	10.34	98	402396	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
62) 4-Bromofluorobenzene	12.63	95	138782	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	70398	48.213	ug/l	84
3) Chloromethane	2.21	50	216934	55.482	ug/l	96
4) Vinyl Chloride	2.35	62	233987	49.582	ug/l	95
5) Bromomethane	2.77	94	139957	46.130	ug/l	98
6) Chloroethane	2.92	64	149647	47.949	ug/l	94
7) Trichlorofluoromethane	3.27	101	302200	48.433	ug/l	97
8) Diethyl Ether	3.70	74	49409	49.336	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	92443	53.524	ug/l	94
10) Methyl Iodide	4.29	142	127864	53.727	ug/l	99
11) Tert butyl alcohol	5.24	59	36545	262.837	ug/l	98
12) 1,1-Dichloroethene	4.06	96	91273	52.895	ug/l	91
13) Acrolein	3.93	56	44871	250.631	ug/l	94
14) Allyl chloride	4.70	41	145209	50.616	ug/l	98
15) Acrylonitrile	5.43	53	112989	255.898	ug/l	95
16) Acetone	4.17	43	148970	285.445	ug/l	100
17) Carbon Disulfide	4.40	76	317695	50.648	ug/l #	94
18) Methyl Acetate	4.72	43	50234	49.213	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	232318	51.992	ug/l	96
20) Methylene Chloride	4.96	84	124310	53.918	ug/l	99
21) trans-1,2-Dichloroethene	5.46	96	113405	52.793	ug/l	93
22) Diisopropyl ether	6.37	45	293557	50.103	ug/l	93
23) Vinyl Acetate	6.31	43	892132	255.955	ug/l	99
24) 1,1-Dichloroethane	6.27	63	183934	50.966	ug/l	96
25) 2-Butanone	7.22	43	167938	271.528	ug/l #	89
26) 2,2-Dichloropropane	7.21	77	170584	52.252	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	127974	52.634	ug/l	99
28) Bromochloromethane	7.55	49	66630	48.615	ug/l	98
29) Tetrahydrofuran	7.57	42	80988	224.342	ug/l	95
30) Chloroform	7.71	83	201407	51.382	ug/l	91
31) Cyclohexane	7.98	56	160203	54.011	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	181594	54.007	ug/l	99
36) 1,1-Dichloropropene	8.11	75	157150	53.095	ug/l	97
37) Ethyl Acetate	7.30	43	59498	50.143	ug/l #	90
38) Carbon Tetrachloride	8.10	117	158791	53.090	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	186204	51.166	ug/l	93
40) Benzene	8.36	78	454962	53.639	ug/l	99
41) Methacrylonitrile	7.53	41	33254	48.460	ug/l	90
42) 1,2-Dichloroethane	8.43	62	124121	50.589	ug/l	99
43) Isopropyl Acetate	8.46	43	118316	47.666	ug/l	99
44) Trichloroethene	9.11	130	130191	53.230	ug/l	95
45) 1,2-Dichloropropane	9.39	63	106790	51.439	ug/l	98
46) Dibromomethane	9.47	93	60484	51.156	ug/l	96
47) Bromodichloromethane	9.67	83	158920	52.206	ug/l	93
48) Methyl methacrylate	9.46	41	56309	47.347	ug/l	99
49) 1,4-Dioxane	9.47	88	15623	968.034	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	306083	237.769	ug/l	99
52) Toluene	10.40	92	303630	52.147	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	151658	51.055	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	182681	53.426	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	86555	51.848	ug/l	91
56) Ethyl methacrylate	10.66	69	106291	50.278	ug/l	97
57) 1,3-Dichloropropane	10.95	76	146437	51.268	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	218696	240.667	ug/l	100
59) 2-Hexanone	10.98	43	245591	263.735	ug/l	100
60) Dibromochloromethane	11.14	129	113021	52.002	ug/l	100
61) 1,2-Dibromoethane	11.24	107	83381	51.520	ug/l	99
64) Tetrachloroethene	10.87	164	115723	53.185	ug/l	93
65) Chlorobenzene	11.67	112	353783	55.271	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	126602	53.677	ug/l	97
67) Ethyl Benzene	11.74	91	609101	52.773	ug/l	96
68) m/p-Xylenes	11.86	106	478407	107.387	ug/l	100
69) o-Xylene	12.18	106	227165	53.252	ug/l	96
70) Styrene	12.20	104	385959	53.446	ug/l	99
71) Bromoform	12.36	173	70245	55.495	ug/l #	99
73) Isopropylbenzene	12.48	105	608190	53.666	ug/l	98
74) N-amyl acetate	12.29	43	120742	49.485	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	101241	51.338	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	59808m	52.970	ug/l	
77) Bromobenzene	12.76	156	151658	53.713	ug/l	96
78) n-propylbenzene	12.82	91	718850	54.040	ug/l	100
79) 2-Chlorotoluene	12.91	91	380182	51.832	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	497220	52.590	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	31745	49.753	ug/l	98
82) 4-Chlorotoluene	13.00	91	398475	51.212	ug/l	97
83) tert-Butylbenzene	13.23	119	440326	52.330	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	517645	53.108	ug/l	99
85) sec-Butylbenzene	13.40	105	621635	54.705	ug/l	98
86) p-Isopropyltoluene	13.51	119	590880	54.951	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	298810	53.561	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	298382	54.214	ug/l	98
89) n-Butylbenzene	13.84	91	536167	53.568	ug/l	99
90) Hexachloroethane	14.11	117	106823	55.235	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	261344	54.358	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16736	54.860	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	199088	53.666	ug/l	99
94) Hexachlorobutadiene	15.27	225	108115	52.812	ug/l	94
95) Naphthalene	15.40	128	336954	54.041	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	173845	54.314	ug/l	100

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

