

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080919\
 Data File : VD063471.D
 Acq On : 9 Aug 2019 14:02
 Operator : JC/SY
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Aug 10 06:22:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:19:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	1102351	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.24	114	1588255	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	1301434	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	685016	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	103041	8.73	ug/l	0.00
Spiked Amount			Recovery	=	17.46%	
35) Dibromofluoromethane	6.94	113	115993	8.67	ug/l	0.00
Spiked Amount			Recovery	=	17.34%	
50) Toluene-d8	10.42	98	244691	8.32	ug/l	0.00
Spiked Amount			Recovery	=	16.64%	
62) 4-Bromofluorobenzene	13.56	95	124180	9.32	ug/l	0.00
Spiked Amount			Recovery	=	18.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	131863	9.872	ug/l	99
3) Chloromethane	1.75	50	102405	9.812	ug/l #	85
4) Vinyl Chloride	1.86	62	93781	9.053	ug/l	94
5) Bromomethane	2.16	94	48905	10.058	ug/l	95
6) Chloroethane	2.27	64	45300	9.562	ug/l #	82
7) Trichlorofluoromethane	2.54	101	197419	9.715	ug/l	92
8) Diethyl Ether	2.88	74	25991	9.059	ug/l	65
9) 1,1,2-Trichlorotrifluoroet	3.16	101	110638	9.221	ug/l #	91
10) Methyl Iodide	3.31	142	152986	9.012	ug/l #	91
11) Tert butyl alcohol	4.09	59	26719	52.011	ug/l #	87
12) 1,1-Dichloroethene	3.14	96	81411	9.132	ug/l	93
13) Acrolein	3.05	56	28191	55.744	ug/l	94
14) Allyl chloride	3.63	41	127687	9.534	ug/l	93
15) Acrylonitrile	4.22	53	61880	45.477	ug/l	93
16) Acetone	3.24	43	103458	42.871	ug/l	98
17) Carbon Disulfide	3.38	76	270966	9.627	ug/l #	95
18) Methyl Acetate	3.66	43	46230	10.173	ug/l #	83
19) Methyl tert-butyl Ether	4.25	73	172435	9.665	ug/l	99
20) Methylene Chloride	3.83	84	107385	10.350	ug/l	94
21) trans-1,2-Dichloroethene	4.23	96	90921	9.686	ug/l	93
22) Diisopropyl ether	5.14	45	260860	9.432	ug/l	98
23) Vinyl Acetate	5.08	43	729511	45.405	ug/l	98
24) 1,1-Dichloroethane	5.00	63	162997	9.497	ug/l	99
25) 2-Butanone	6.09	43	106339	44.887	ug/l	93
26) 2,2-Dichloropropane	6.04	77	155026	9.068	ug/l	84
27) cis-1,2-Dichloroethene	6.06	96	96700	9.415	ug/l	92
28) Bromochloromethane	6.45	49	69429	9.981	ug/l	82
29) Tetrahydrofuran	6.48	42	52508	47.561	ug/l	93
30) Chloroform	6.68	83	207769	9.738	ug/l	95
31) Cyclohexane	6.97	56	99402	9.329	ug/l	95
32) 1,1,1-Trichloroethane	6.89	97	197262	9.666	ug/l	96
36) 1,1-Dichloropropene	7.16	75	130411	9.288	ug/l	93
37) Ethyl Acetate	6.20	43	58208	9.918	ug/l #	86
38) Carbon Tetrachloride	7.12	117	186335	8.806	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.89	83	112429	9.417	ug/l	92
40) Benzene	7.47	78	289235	9.361	ug/l	91
41) Methacrylonitrile	6.46	41	69774	9.419	ug/l #	86
42) 1,2-Dichloroethane	7.60	62	138077	8.887	ug/l	98
43) Isopropyl Acetate	9.25	43	71534	9.078	ug/l #	80
44) Trichloroethene	8.55	130	104703	8.863	ug/l	91
45) 1,2-Dichloropropane	8.95	63	64575	8.974	ug/l	93
46) Dibromomethane	9.08	93	58137	9.461	ug/l	91
47) Bromodichloromethane	9.39	83	146976	9.325	ug/l	99
48) Methyl methacrylate	9.13	41	51014	9.546	ug/l	91
49) 1,4-Dioxane	9.09	88	8176	179.800	ug/l #	73
51) 4-Methyl-2-Pentanone	10.31	43	263036	48.783	ug/l	97
52) Toluene	10.52	92	191601	9.627	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	118986	9.250	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	130981	9.030	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	60378	8.981	ug/l #	83
56) Ethyl methacrylate	11.05	69	69314	9.499	ug/l	91
57) 1,3-Dichloropropane	11.42	76	98322	9.676	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.87	63	181688	47.165	ug/l	92
59) 2-Hexanone	11.54	43	177430	45.225	ug/l	92
60) Dibromochloromethane	11.69	129	111234	9.093	ug/l	90
61) 1,2-Dibromoethane	11.82	107	76881	9.447	ug/l	84
64) Tetrachloroethene	11.27	164	94740	9.430	ug/l #	85
65) Chlorobenzene	12.41	112	227915	9.344	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.52	131	96936	9.030	ug/l	88
67) Ethyl Benzene	12.53	91	398355	9.393	ug/l	99
68) m/p-Xylenes	12.68	106	292796	19.650	ug/l	97
69) o-Xylene	13.06	106	132412	9.233	ug/l	100
70) Styrene	13.08	104	230497	9.036	ug/l	96
71) Bromoform	13.24	173	68199	9.265	ug/l	96
73) Isopropylbenzene	13.41	105	422726	9.702	ug/l	97
74) N-amyl acetate	13.27	43	97524	8.916	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.71	83	71654	9.908	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	69647	8.859	ug/l	91
77) Bromobenzene	13.68	156	118082	9.916	ug/l	86
78) n-propylbenzene	13.78	91	502030	9.848	ug/l	92
79) 2-Chlorotoluene	13.85	91	287930	9.797	ug/l	93
80) 1,3,5-Trimethylbenzene	13.94	105	376014	9.877	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.48	75	17244	8.161	ug/l #	79
82) 4-Chlorotoluene	13.96	91	352002	9.959	ug/l	95
83) tert-Butylbenzene	14.19	119	391252	9.760	ug/l	92
84) 1,2,4-Trimethylbenzene	14.24	105	320134	9.088	ug/l	93
85) sec-Butylbenzene	14.37	105	412846	9.697	ug/l	95
86) p-Isopropyltoluene	14.50	119	392025	9.631	ug/l	94
87) 1,3-Dichlorobenzene	14.46	146	208998	9.703	ug/l	98
88) 1,4-Dichlorobenzene	14.55	146	190711	9.229	ug/l	95
89) n-Butylbenzene	14.80	91	350652	9.438	ug/l	95
90) Hexachloroethane	15.01	117	89598	8.757	ug/l	82
91) 1,2-Dichlorobenzene	14.81	146	168979	9.247	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	13616	9.999	ug/l	74

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	118697	8.827	ug/l	97
94) Hexachlorobutadiene	16.04	225	88401	8.626	ug/l	93
95) Naphthalene	16.13	128	200026	9.815	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	108937	10.030	ug/l	97

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

