

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073119\
 Data File : VD063283.D
 Acq On : 31 Jul 2019 17:09
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 01 04:04:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	915161	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1257039	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1082192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	647039	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	508222	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
35) Dibromofluoromethane	6.91	113	533762	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
50) Toluene-d8	10.41	98	1210923	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
62) 4-Bromofluorobenzene	13.55	95	526934	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	462056	41.304	ug/l	99
3) Chloromethane	1.73	50	364799	41.973	ug/l	91
4) Vinyl Chloride	1.84	62	353910	39.334	ug/l	97
5) Bromomethane	2.14	94	206281	45.458	ug/l	98
6) Chloroethane	2.25	64	202714	48.799	ug/l	93
7) Trichlorofluoromethane	2.52	101	826379	47.343	ug/l	99
8) Diethyl Ether	2.87	74	91469	37.443	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	3.13	101	444061	45.926	ug/l	95
10) Methyl Iodide	3.29	142	615390	44.057	ug/l	92
11) Tert butyl alcohol	4.08	59	86761	194.692	ug/l #	89
12) 1,1-Dichloroethene	3.11	96	309415	43.590	ug/l	96
13) Acrolein	3.02	56	77936	181.720	ug/l	95
14) Allyl chloride	3.60	41	502850	44.469	ug/l	98
15) Acrylonitrile	4.18	53	234383	202.870	ug/l	99
16) Acetone	3.21	43	428439	216.546	ug/l	97
17) Carbon Disulfide	3.36	76	1023962	43.098	ug/l	97
18) Methyl Acetate	3.62	43	148465	39.066	ug/l	96
19) Methyl tert-butyl Ether	4.22	73	697669	43.511	ug/l	99
20) Methylene Chloride	3.80	84	324013	40.515	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	352251	44.227	ug/l	99
22) Diisopropyl ether	5.11	45	986509	43.666	ug/l	97
23) Vinyl Acetate	5.04	43	3058721	220.253	ug/l	98
24) 1,1-Dichloroethane	4.96	63	635254	44.021	ug/l	96
25) 2-Butanone	6.05	43	429719	216.417	ug/l	92
26) 2,2-Dichloropropane	6.02	77	678139	45.600	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	375407	43.963	ug/l	93
28) Bromochloromethane	6.42	49	293049	50.968	ug/l	99
29) Tetrahydrofuran	6.45	42	191532	203.740	ug/l	97
30) Chloroform	6.66	83	829000	46.290	ug/l	95
31) Cyclohexane	6.94	56	396449	43.829	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	810952	46.815	ug/l	99
36) 1,1-Dichloropropene	7.14	75	539298	47.010	ug/l	98
37) Ethyl Acetate	6.16	43	195967	38.023	ug/l	97
38) Carbon Tetrachloride	7.10	117	887150	51.367	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	411365	43.038	ug/l	92
40) Benzene	7.44	78	1119847	46.576	ug/l	94
41) Methacrylonitrile	6.44	41	269011	43.634	ug/l #	86
42) 1,2-Dichloroethane	7.57	62	613417	48.140	ug/l	99
43) Isopropyl Acetate	9.23	43	294290	44.700	ug/l #	99
44) Trichloroethene	8.54	130	451197	46.312	ug/l	99
45) 1,2-Dichloropropane	8.93	63	269528	44.104	ug/l	97
46) Dibromomethane	9.06	93	232520	45.759	ug/l	94
47) Bromodichloromethane	9.37	83	633994	48.946	ug/l	93
48) Methyl methacrylate	9.12	41	192864	45.168	ug/l	96
49) 1,4-Dioxane	9.07	88	33592	928.413	ug/l	94
51) 4-Methyl-2-Pentanone	10.30	43	972263	217.149	ug/l	97
52) Toluene	10.49	92	746292	46.669	ug/l	97
53) t-1,3-Dichloropropene	10.91	75	514151	46.041	ug/l	94
54) cis-1,3-Dichloropropene	10.03	75	528423	45.024	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	256272	47.451	ug/l #	92
56) Ethyl methacrylate	11.04	69	278196	47.040	ug/l	94
57) 1,3-Dichloropropane	11.40	76	389542	45.778	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.84	63	674931	219.326	ug/l	98
59) 2-Hexanone	11.53	43	718988	222.831	ug/l	100
60) Dibromochloromethane	11.68	129	489659	48.026	ug/l	100
61) 1,2-Dibromoethane	11.80	107	296688	44.519	ug/l	93
64) Tetrachloroethene	11.25	164	402352	46.669	ug/l	98
65) Chlorobenzene	12.39	112	912990	43.861	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	430674	46.971	ug/l	99
67) Ethyl Benzene	12.52	91	1649663	46.652	ug/l	96
68) m/p-Xylenes	12.66	106	1100855	84.891	ug/l	97
69) o-Xylene	13.04	106	547294	45.958	ug/l	99
70) Styrene	13.06	104	983694	46.579	ug/l	95
71) Bromoform	13.23	173	322574	48.378	ug/l	94
73) Isopropylbenzene	13.40	105	1811783	44.614	ug/l	98
74) N-amyl acetate	13.26	43	432904	40.324	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	291518	42.260	ug/l	92
76) 1,2,3-Trichloropropane	13.72	75	316930	40.780	ug/l	97
77) Bromobenzene	13.66	156	493958	42.698	ug/l	93
78) n-propylbenzene	13.77	91	1906084	39.441	ug/l	98
79) 2-Chlorotoluene	13.83	91	1162673	41.521	ug/l	94
80) 1,3,5-Trimethylbenzene	13.93	105	1504900	42.965	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	78131	36.204	ug/l	88
82) 4-Chlorotoluene	13.94	91	1436516	43.590	ug/l	93
83) tert-Butylbenzene	14.19	119	1718847	42.979	ug/l	95
84) 1,2,4-Trimethylbenzene	14.24	105	1545545	42.661	ug/l	98
85) sec-Butylbenzene	14.36	105	1784868	42.360	ug/l	100
86) p-Isopropyltoluene	14.48	119	1551360	38.575	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	880689	42.987	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	814499	39.316	ug/l	97
89) n-Butylbenzene	14.80	91	1554609	44.757	ug/l	96
90) Hexachloroethane	15.00	117	437029	41.710	ug/l	93
91) 1,2-Dichlorobenzene	14.81	146	735585	41.209	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	58269	41.469	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	570520	40.289	ug/l	96
94) Hexachlorobutadiene	16.04	225	432856	42.181	ug/l	95
95) Naphthalene	16.12	128	721848	36.066	ug/l	97
96) 1,2,3-Trichlorobenzene	16.26	180	425593	38.045	ug/l	96

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

