

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063212.D
 Acq On : 29 Jul 2019 22:08
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 30 04:01:43 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	7.04	168	990697	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1400208	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1194476	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	661302	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	612707	55.74	ug/l	0.00
Spiked Amount			Recovery	=	111.48%	
35) Dibromofluoromethane	6.91	113	635529	53.16	ug/l	0.00
Spiked Amount			Recovery	=	106.32%	
50) Toluene-d8	10.41	98	1405685	52.54	ug/l	0.00
Spiked Amount			Recovery	=	105.08%	
62) 4-Bromofluorobenzene	13.55	95	604988	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	534581	44.144	ug/l	97
3) Chloromethane	1.74	50	444412	47.234	ug/l	92
4) Vinyl Chloride	1.84	62	456480	46.866	ug/l	98
5) Bromomethane	2.14	94	242575	49.380	ug/l	97
6) Chloroethane	2.26	64	219051	48.711	ug/l	98
7) Trichlorofluoromethane	2.52	101	846038	44.774	ug/l	99
8) Diethyl Ether	2.87	74	139227	52.647	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.13	101	498250	47.602	ug/l	90
10) Methyl Iodide	3.29	142	783423	51.810	ug/l	99
11) Tert butyl alcohol	4.07	59	110582	229.226	ug/l	96
12) 1,1-Dichloroethene	3.11	96	368046	47.896	ug/l	88
13) Acrolein	3.03	56	102586	220.958	ug/l	86
14) Allyl chloride	3.61	41	589123	48.126	ug/l	94
15) Acrylonitrile	4.19	53	335357	268.136	ug/l	94
16) Acetone	3.21	43	511550	238.840	ug/l	98
17) Carbon Disulfide	3.36	76	1158196	45.031	ug/l	98
18) Methyl Acetate	3.64	43	214444	52.125	ug/l	98
19) Methyl tert-butyl Ether	4.24	73	902972	52.022	ug/l	100
20) Methylene Chloride	3.80	84	422991	48.858	ug/l	97
21) trans-1,2-Dichloroethene	4.21	96	419824	48.692	ug/l	92
22) Diisopropyl ether	5.11	45	1222588	49.990	ug/l	98
23) Vinyl Acetate	5.04	43	3854472	256.391	ug/l	99
24) 1,1-Dichloroethane	4.96	63	787705	50.424	ug/l	98
25) 2-Butanone	6.07	43	547494	254.709	ug/l	98
26) 2,2-Dichloropropane	6.02	77	758790	47.133	ug/l	94
27) cis-1,2-Dichloroethene	6.03	96	463533	50.144	ug/l	96
28) Bromochloromethane	6.43	49	294813	47.366	ug/l	# 100
29) Tetrahydrofuran	6.45	42	243713	239.480	ug/l	97
30) Chloroform	6.66	83	973818	50.231	ug/l	94
31) Cyclohexane	6.94	56	476586	48.672	ug/l	94
32) 1,1,1-Trichloroethane	6.86	97	926416	49.403	ug/l	99
36) 1,1-Dichloropropene	7.14	75	600593	47.000	ug/l	98
37) Ethyl Acetate	6.18	43	280494	48.858	ug/l	95
38) Carbon Tetrachloride	7.10	117	1024396	53.249	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	490136	46.036	ug/l	96
40) Benzene	7.45	78	1381448	51.582	ug/l	99
41) Methacrylonitrile	6.44	41	341280	49.696	ug/l #	88
42) 1,2-Dichloroethane	7.57	62	744042	52.420	ug/l	99
43) Isopropyl Acetate	9.24	43	388460	52.971	ug/l #	97
44) Trichloroethene	8.54	130	525615	48.434	ug/l	96
45) 1,2-Dichloropropane	8.93	63	323080	47.461	ug/l	89
46) Dibromomethane	9.06	93	289283	51.109	ug/l	95
47) Bromodichloromethane	9.36	83	753354	52.214	ug/l	94
48) Methyl methacrylate	9.12	41	248550	52.258	ug/l	94
49) 1,4-Dioxane	9.08	88	43737	1085.900	ug/l #	86
51) 4-Methyl-2-Pentanone	10.30	43	1308903	262.444	ug/l	97
52) Toluene	10.51	92	896165	50.311	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	635967	51.127	ug/l	93
54) cis-1,3-Dichloropropene	10.03	75	637679	48.778	ug/l	99
55) 1,1,2-Trichloroethane	11.19	97	307215	51.067	ug/l	94
56) Ethyl methacrylate	11.04	69	369177	56.041	ug/l	95
57) 1,3-Dichloropropane	11.40	76	494160	52.134	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.86	63	840459	245.190	ug/l	99
59) 2-Hexanone	11.53	43	960099	267.132	ug/l	98
60) Dibromochloromethane	11.68	129	605750	53.337	ug/l	95
61) 1,2-Dibromoethane	11.81	107	366495	49.371	ug/l	97
64) Tetrachloroethene	11.26	164	452956	47.600	ug/l	98
65) Chlorobenzene	12.40	112	1135208	49.410	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	486420	48.064	ug/l	96
67) Ethyl Benzene	12.52	91	1790699	45.881	ug/l	98
68) m/p-Xylenes	12.66	106	1348780	94.232	ug/l	91
69) o-Xylene	13.05	106	647251	49.243	ug/l	89
70) Styrene	13.07	104	1153731	49.495	ug/l	97
71) Bromoform	13.23	173	398999	54.214	ug/l	99
73) Isopropylbenzene	13.40	105	1977072	47.634	ug/l	98
74) N-amyl acetate	13.26	43	543078	49.495	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	335895	47.643	ug/l	100
76) 1,2,3-Trichloropropane	13.73	75	373394	47.009	ug/l	98
77) Bromobenzene	13.67	156	554753	46.919	ug/l	92
78) n-propylbenzene	13.78	91	2217601	44.898	ug/l	97
79) 2-Chlorotoluene	13.83	91	1351459	47.221	ug/l	94
80) 1,3,5-Trimethylbenzene	13.93	105	1679473	46.915	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	103584	46.963	ug/l	90
82) 4-Chlorotoluene	13.94	91	1613256	47.898	ug/l	93
83) tert-Butylbenzene	14.19	119	1815395	44.414	ug/l	96
84) 1,2,4-Trimethylbenzene	14.24	105	1634252	44.136	ug/l	97
85) sec-Butylbenzene	14.37	105	1807098	41.962	ug/l	99
86) p-Isopropyltoluene	14.48	119	1731888	42.135	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	956614	45.686	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	1000518	47.253	ug/l	95
89) n-Butylbenzene	14.80	91	1658217	46.710	ug/l	96
90) Hexachloroethane	15.01	117	504155	47.078	ug/l	94
91) 1,2-Dichlorobenzene	14.81	146	862029	47.251	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	65639	45.706	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	665724	45.999	ug/l	98
94) Hexachlorobutadiene	16.04	225	495718	47.265	ug/l	100
95) Naphthalene	16.12	128	1073012	52.455	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	543886	47.570	ug/l	98

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

