

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063192.D
 Acq On : 29 Jul 2019 11:42
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Jul 30 02:21:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 02:15:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	891211	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1187175	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1008883	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	571112	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	93940	9.50	ug/l	0.00
Spiked Amount			Recovery	=	19.00%	
35) Dibromofluoromethane	6.91	113	102545	10.12	ug/l	0.00
Spiked Amount			Recovery	=	20.24%	
50) Toluene-d8	10.40	98	224739	9.91	ug/l	0.00
Spiked Amount			Recovery	=	19.82%	
62) 4-Bromofluorobenzene	13.55	95	109291	10.57	ug/l	0.00
Spiked Amount			Recovery	=	21.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	126937	11.644	ug/l	98
3) Chloromethane	1.73	50	99624	11.767	ug/l	99
4) Vinyl Chloride	1.83	62	94124	10.742	ug/l	98
5) Bromomethane	2.14	94	51725	11.705	ug/l	97
6) Chloroethane	2.25	64	41880	10.353	ug/l	93
7) Trichlorofluoromethane	2.52	101	176352	10.375	ug/l	94
8) Diethyl Ether	2.85	74	24301	10.215	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.14	101	104670	11.116	ug/l	94
10) Methyl Iodide	3.29	142	124596	9.160	ug/l	98
11) Tert butyl alcohol	4.05	59	22977	52.648	ug/l #	92
12) 1,1-Dichloroethene	3.11	96	71204	10.301	ug/l	88
13) Acrolein	3.01	56	23376	55.970	ug/l	99
14) Allyl chloride	3.60	41	112599	10.221	ug/l	99
15) Acrylonitrile	4.18	53	57529	51.132	ug/l	98
16) Acetone	3.21	43	90471	46.956	ug/l	98
17) Carbon Disulfide	3.36	76	235795	10.191	ug/l	98
18) Methyl Acetate	3.62	43	43183	11.668	ug/l	98
19) Methyl tert-butyl Ether	4.22	73	152394	9.760	ug/l	99
20) Methylene Chloride	3.79	84	90011	11.558	ug/l	89
21) trans-1,2-Dichloroethene	4.19	96	75175	9.692	ug/l	90
22) Diisopropyl ether	5.10	45	214129	9.723	ug/l	98
23) Vinyl Acetate	5.03	43	681794	50.414	ug/l	97
24) 1,1-Dichloroethane	4.95	63	149065	10.607	ug/l	96
25) 2-Butanone	6.05	43	96251	49.777	ug/l	98
26) 2,2-Dichloropropane	6.00	77	141308	9.757	ug/l	93
27) cis-1,2-Dichloroethene	6.02	96	85938	10.334	ug/l	86
28) Bromochloromethane	6.42	49	60444	10.776	ug/l	82
29) Tetrahydrofuran	6.45	42	49978	54.592	ug/l	96
30) Chloroform	6.64	83	183013	10.494	ug/l	91
31) Cyclohexane	6.94	56	90841	10.313	ug/l	96
32) 1,1,1-Trichloroethane	6.86	97	182633	10.827	ug/l	96
36) 1,1-Dichloropropene	7.13	75	116815	10.782	ug/l	95
37) Ethyl Acetate	6.17	43	53031	10.917	ug/l #	95
38) Carbon Tetrachloride	7.10	117	172010	10.546	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	101781	11.275	ug/l	91
40) Benzene	7.44	78	238250	10.492	ug/l	98
41) Methacrylonitrile	6.44	41	60792	10.441	ug/l #	59
42) 1,2-Dichloroethane	7.57	62	132892	11.043	ug/l	92
43) Isopropyl Acetate	9.23	43	65237	10.492	ug/l #	96
44) Trichloroethene	8.53	130	100492	10.922	ug/l	100
45) 1,2-Dichloropropane	8.94	63	66300	11.487	ug/l #	85
46) Dibromomethane	9.06	93	50940	10.615	ug/l #	79
47) Bromodichloromethane	9.37	83	128346	10.492	ug/l	96
48) Methyl methacrylate	9.12	41	39688	9.842	ug/l	94
49) 1,4-Dioxane	9.08	88	8066	241.766	ug/l #	85
51) 4-Methyl-2-Pentanone	10.30	43	224509	53.093	ug/l	98
52) Toluene	10.50	92	159141	10.537	ug/l	95
53) t-1,3-Dichloropropene	10.91	75	107435	10.187	ug/l	96
54) cis-1,3-Dichloropropene	10.03	75	124331	11.217	ug/l #	96
55) 1,1,2-Trichloroethane	11.18	97	53136	10.418	ug/l	98
56) Ethyl methacrylate	11.04	69	56747	10.160	ug/l	93
57) 1,3-Dichloropropane	11.41	76	88372	10.996	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.85	63	166864	57.415	ug/l	100
59) 2-Hexanone	11.53	43	162927	53.466	ug/l	94
60) Dibromochloromethane	11.68	129	101233	10.513	ug/l	99
61) 1,2-Dibromoethane	11.80	107	62787	9.976	ug/l	95
64) Tetrachloroethene	11.25	164	89665	11.156	ug/l	98
65) Chlorobenzene	12.40	112	205944	10.613	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	92218	10.788	ug/l	96
67) Ethyl Benzene	12.52	91	364609	11.060	ug/l	100
68) m/p-Xylenes	12.67	106	262428	21.707	ug/l	89
69) o-Xylene	13.05	106	115125	10.370	ug/l	97
70) Styrene	13.07	104	207627	10.546	ug/l	97
71) Bromoform	13.24	173	60849	9.789	ug/l	99
73) Isopropylbenzene	13.41	105	385734	10.761	ug/l	99
74) N-amyl acetate	13.27	43	92908	9.805	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	58597	9.624	ug/l	96
76) 1,2,3-Trichloropropane	13.74	75	71421	10.412	ug/l	92
77) Bromobenzene	13.67	156	100932	9.885	ug/l	90
78) n-propylbenzene	13.78	91	440688	10.331	ug/l	99
79) 2-Chlorotoluene	13.84	91	265095	10.725	ug/l	90
80) 1,3,5-Trimethylbenzene	13.94	105	323155	10.453	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	19598	10.289	ug/l #	93
82) 4-Chlorotoluene	13.95	91	314262	10.804	ug/l	93
83) tert-Butylbenzene	14.19	119	361297	10.235	ug/l	90
84) 1,2,4-Trimethylbenzene	14.24	105	328935	10.286	ug/l	97
85) sec-Butylbenzene	14.37	105	402841	10.831	ug/l	98
86) p-Isopropyltoluene	14.49	119	370221	10.430	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	185183	10.241	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	193709	10.593	ug/l	93
89) n-Butylbenzene	14.80	91	328253	10.707	ug/l	99
90) Hexachloroethane	15.01	117	91891	9.936	ug/l	93
91) 1,2-Dichlorobenzene	14.81	146	164492	10.440	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.39	75	12604	10.163	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	126854	10.149	ug/l	98
94) Hexachlorobutadiene	16.05	225	94862	10.473	ug/l	94
95) Naphthalene	16.12	128	165590	9.373	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	93006	9.419	ug/l	96

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

