

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063193.D
 Acq On : 29 Jul 2019 12:09
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Jul 30 02:22:04 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	833147	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1232747	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1047811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	557762	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	187222	20.25	ug/l	0.00
Spiked Amount			Recovery	=	40.50%	
35) Dibromofluoromethane	6.91	113	214885	20.42	ug/l	0.00
Spiked Amount			Recovery	=	40.84%	
50) Toluene-d8	10.40	98	444596	18.87	ug/l	0.00
Spiked Amount			Recovery	=	37.74%	
62) 4-Bromofluorobenzene	13.55	95	201862	18.81	ug/l	0.00
Spiked Amount			Recovery	=	37.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	223986	21.979	ug/l	96
3) Chloromethane	1.74	50	165892	20.960	ug/l	93
4) Vinyl Chloride	1.84	62	175143	21.382	ug/l	98
5) Bromomethane	2.13	94	80468	19.478	ug/l	99
6) Chloroethane	2.24	64	82278	21.756	ug/l	94
7) Trichlorofluoromethane	2.51	101	330736	20.813	ug/l	96
8) Diethyl Ether	2.86	74	46011	20.689	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.13	101	180856	20.546	ug/l	99
10) Methyl Iodide	3.28	142	261479	20.563	ug/l	99
11) Tert butyl alcohol	4.07	59	36917	90.484	ug/l #	90
12) 1,1-Dichloroethene	3.11	96	130516	20.197	ug/l	95
13) Acrolein	3.03	56	42350	108.466	ug/l	97
14) Allyl chloride	3.60	41	206132	20.015	ug/l	88
15) Acrylonitrile	4.19	53	108044	102.723	ug/l	94
16) Acetone	3.22	43	160254	88.971	ug/l	97
17) Carbon Disulfide	3.35	76	459177	21.229	ug/l	97
18) Methyl Acetate	3.63	43	72884	21.066	ug/l	97
19) Methyl tert-butyl Ether	4.22	73	299094	20.490	ug/l	98
20) Methylene Chloride	3.80	84	147592	20.272	ug/l	96
21) trans-1,2-Dichloroethene	4.19	96	154142	21.258	ug/l	95
22) Diisopropyl ether	5.11	45	439938	21.369	ug/l	98
23) Vinyl Acetate	5.04	43	1312684	103.829	ug/l	99
24) 1,1-Dichloroethane	4.97	63	273934	20.851	ug/l	95
25) 2-Butanone	6.07	43	175906	97.312	ug/l	97
26) 2,2-Dichloropropane	6.01	77	287963	21.270	ug/l	95
27) cis-1,2-Dichloroethene	6.02	96	163610	21.046	ug/l	86
28) Bromochloromethane	6.43	49	119406	22.771	ug/l	100
29) Tetrahydrofuran	6.44	42	83674	97.769	ug/l	97
30) Chloroform	6.65	83	352236	21.605	ug/l	94
31) Cyclohexane	6.94	56	170339	20.686	ug/l #	87
32) 1,1,1-Trichloroethane	6.86	97	314913	19.969	ug/l	96
36) 1,1-Dichloropropene	7.13	75	225234	20.020	ug/l	98
37) Ethyl Acetate	6.17	43	95974	19.028	ug/l #	95
38) Carbon Tetrachloride	7.09	117	319583	18.869	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	181293	19.341	ug/l	96
40) Benzene	7.44	78	453914	19.251	ug/l	99
41) Methacrylonitrile	6.44	41	117139	19.375	ug/l #	83
42) 1,2-Dichloroethane	7.57	62	237801	19.030	ug/l	100
43) Isopropyl Acetate	9.23	43	132589	20.536	ug/l #	98
44) Trichloroethene	8.53	130	181056	18.950	ug/l	95
45) 1,2-Dichloropropane	8.93	63	116666	19.467	ug/l	99
46) Dibromomethane	9.05	93	94360	18.936	ug/l	95
47) Bromodichloromethane	9.37	83	256959	20.229	ug/l	90
48) Methyl methacrylate	9.11	41	80504	19.225	ug/l	92
49) 1,4-Dioxane	9.07	88	13237	382.092	ug/l #	80
51) 4-Methyl-2-Pentanone	10.28	43	444348	101.198	ug/l	94
52) Toluene	10.50	92	319290	20.360	ug/l	97
53) t-1,3-Dichloropropene	10.90	75	226635	20.695	ug/l	96
54) cis-1,3-Dichloropropene	10.03	75	223094	19.383	ug/l	94
55) 1,1,2-Trichloroethane	11.18	97	110964	20.951	ug/l	90
56) Ethyl methacrylate	11.03	69	116935	20.162	ug/l	97
57) 1,3-Dichloropropane	11.40	76	152726	18.302	ug/l #	88
58) 2-Chloroethyl Vinyl ether	9.85	63	327689	108.584	ug/l	97
59) 2-Hexanone	11.52	43	293099	92.628	ug/l	96
60) Dibromochloromethane	11.68	129	200032	20.006	ug/l	96
61) 1,2-Dibromoethane	11.80	107	133047	20.358	ug/l	97
64) Tetrachloroethene	11.25	164	149641	17.926	ug/l	95
65) Chlorobenzene	12.39	112	402749	19.983	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	170653	19.223	ug/l	96
67) Ethyl Benzene	12.52	91	662582	19.353	ug/l	98
68) m/p-Xylenes	12.66	106	495650	39.476	ug/l	98
69) o-Xylene	13.04	106	216581	18.784	ug/l	99
70) Styrene	13.07	104	403857	19.751	ug/l	98
71) Bromoform	13.23	173	123477	19.126	ug/l	94
73) Isopropylbenzene	13.40	105	681523	19.468	ug/l	98
74) N-amyl acetate	13.26	43	176833	19.108	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.69	83	120651	20.290	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	123723	18.468	ug/l	95
77) Bromobenzene	13.66	156	200500	20.106	ug/l	98
78) n-propylbenzene	13.77	91	786052	18.869	ug/l	98
79) 2-Chlorotoluene	13.84	91	483446	20.028	ug/l	100
80) 1,3,5-Trimethylbenzene	13.93	105	606950	20.102	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.46	75	31830	17.110	ug/l	83
82) 4-Chlorotoluene	13.94	91	579989	20.416	ug/l	91
83) tert-Butylbenzene	14.18	119	647760	18.789	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	627622	20.097	ug/l	99
85) sec-Butylbenzene	14.36	105	702728	19.347	ug/l	96
86) p-Isopropyltoluene	14.49	119	662821	19.119	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	347706	19.689	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	347589	19.464	ug/l	98
89) n-Butylbenzene	14.79	91	609162	20.345	ug/l	99
90) Hexachloroethane	15.00	117	184478	20.425	ug/l	85
91) 1,2-Dichlorobenzene	14.80	146	317878	20.659	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	22787	18.813	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	241348	19.772	ug/l	95
94) Hexachlorobutadiene	16.03	225	173833	19.651	ug/l	94
95) Naphthalene	16.12	128	335605	19.452	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	185038	19.189	ug/l	94

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

