

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071519\
 Data File : VD063077.D
 Acq On : 15 Jul 2019 11:39
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Jul 16 07:29:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:23:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	727209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	983052	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	830532	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	454974	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	205741	25.32	ug/l	-0.01
Spiked Amount			Recovery	=	50.64%	
35) Dibromofluoromethane	6.91	113	208971	24.50	ug/l	0.00
Spiked Amount			Recovery	=	49.00%	
50) Toluene-d8	10.40	98	454478	24.90	ug/l	0.00
Spiked Amount			Recovery	=	49.80%	
62) 4-Bromofluorobenzene	13.55	95	203867	24.36	ug/l	0.00
Spiked Amount			Recovery	=	48.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	210844	23.024	ug/l	95
3) Chloromethane	1.74	50	167643	23.954	ug/l	90
4) Vinyl Chloride	1.84	62	178787	25.810	ug/l	100
5) Bromomethane	2.14	94	66057	20.918	ug/l	95
6) Chloroethane	2.24	64	72552	22.953	ug/l #	82
7) Trichlorofluoromethane	2.51	101	334889	23.461	ug/l	99
8) Diethyl Ether	2.86	74	46127	25.597	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.14	101	196597	25.629	ug/l	95
10) Methyl Iodide	3.29	142	221239	21.899	ug/l	99
11) Tert butyl alcohol	4.08	59	56096	144.427	ug/l #	94
12) 1,1-Dichloroethene	3.11	96	129987	22.708	ug/l	98
13) Acrolein	3.02	56	21149	65.013	ug/l #	48
14) Allyl chloride	3.60	41	219079	25.395	ug/l	95
15) Acrylonitrile	4.19	53	113717	129.029	ug/l	90
16) Acetone	3.21	43	208875	110.833	ug/l #	91
17) Carbon Disulfide	3.36	76	396635	22.124	ug/l	99
18) Methyl Acetate	3.62	43	84845	34.501	ug/l #	91
19) Methyl tert-butyl Ether	4.22	73	349512	27.295	ug/l	98
20) Methylene Chloride	3.80	84	179618	28.689	ug/l	98
21) trans-1,2-Dichloroethene	4.19	96	156393	25.538	ug/l	95
22) Diisopropyl ether	5.10	45	463845	25.911	ug/l	94
23) Vinyl Acetate	5.03	43	1329460	119.213	ug/l	100
24) 1,1-Dichloroethane	4.96	63	282945	24.624	ug/l	97
25) 2-Butanone	6.05	43	199312	127.228	ug/l	93
26) 2,2-Dichloropropane	6.00	77	309097	25.278	ug/l	97
27) cis-1,2-Dichloroethene	6.02	96	169686	25.523	ug/l	94
28) Bromochloromethane	6.42	49	104910	25.550	ug/l	92
29) Tetrahydrofuran	6.45	42	91420	124.126	ug/l	95
30) Chloroform	6.64	83	337314	24.182	ug/l	96
31) Cyclohexane	6.94	56	172571	23.230	ug/l #	85
32) 1,1,1-Trichloroethane	6.85	97	348124	24.249	ug/l	96
36) 1,1-Dichloropropene	7.13	75	223804	24.021	ug/l	97
37) Ethyl Acetate	6.17	43	93786	21.467	ug/l	99
38) Carbon Tetrachloride	7.10	117	339548	24.089	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	192944	23.752	ug/l	92
40) Benzene	7.44	78	473529	24.892	ug/l	100
41) Methacrylonitrile	6.43	41	126857	25.106	ug/l #	89
42) 1,2-Dichloroethane	7.56	62	256432	25.009	ug/l	95
43) Isopropyl Acetate	9.22	43	137729	27.060	ug/l #	97
44) Trichloroethene	8.52	130	197779	26.905	ug/l	96
45) 1,2-Dichloropropane	8.93	63	115781	24.531	ug/l	89
46) Dibromomethane	9.05	93	102337	25.053	ug/l	93
47) Bromodichloromethane	9.36	83	265931	25.371	ug/l	92
48) Methyl methacrylate	9.11	41	85537	23.820	ug/l	94
49) 1,4-Dioxane	9.06	88	14373	471.657	ug/l	93
51) 4-Methyl-2-Pentanone	10.29	43	454845	125.758	ug/l	98
52) Toluene	10.49	92	325270	25.661	ug/l	94
53) t-1,3-Dichloropropene	10.90	75	223635	25.523	ug/l	100
54) cis-1,3-Dichloropropene	10.02	75	223671	23.671	ug/l	99
55) 1,1,2-Trichloroethane	11.17	97	101786	22.945	ug/l	95
56) Ethyl methacrylate	11.03	69	124134	26.133	ug/l	92
57) 1,3-Dichloropropane	11.40	76	160530	24.037	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.84	63	348448	137.302	ug/l	99
59) 2-Hexanone	11.52	43	351236	134.401	ug/l	99
60) Dibromochloromethane	11.68	129	210097	25.387	ug/l	100
61) 1,2-Dibromoethane	11.79	107	132314	25.471	ug/l	93
64) Tetrachloroethene	11.24	164	157764	22.926	ug/l	91
65) Chlorobenzene	12.39	112	417675	26.457	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.50	131	182748	24.819	ug/l	98
67) Ethyl Benzene	12.51	91	691006	24.495	ug/l	100
68) m/p-Xylenes	12.66	106	484945	49.670	ug/l	93
69) o-Xylene	13.04	106	226368	25.153	ug/l	99
70) Styrene	13.06	104	404867	25.383	ug/l	97
71) Bromoform	13.23	173	126385	24.748	ug/l #	98
73) Isopropylbenzene	13.40	105	706004	23.714	ug/l	96
74) N-amyl acetate	13.26	43	197636	26.529	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	13.69	83	128240	25.439	ug/l	99
76) 1,2,3-Trichloropropane	13.72	75	142936	25.811	ug/l	93
77) Bromobenzene	13.66	156	198979	24.672	ug/l	86
78) n-propylbenzene	13.77	91	815970	23.194	ug/l	97
79) 2-Chlorotoluene	13.83	91	495700	24.753	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	601912	23.887	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.47	75	33716	23.291	ug/l	96
82) 4-Chlorotoluene	13.94	91	556397	23.120	ug/l	96
83) tert-Butylbenzene	14.19	119	682014	24.122	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	625689	24.396	ug/l	91
85) sec-Butylbenzene	14.36	105	745988	24.354	ug/l	97
86) p-Isopropyltoluene	14.48	119	711881	25.767	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	366153	25.382	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	350854	24.310	ug/l	97
89) n-Butylbenzene	14.80	91	641063	24.455	ug/l	98
90) Hexachloroethane	15.00	117	177385	23.631	ug/l	92
91) 1,2-Dichlorobenzene	14.81	146	325996	26.017	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	23730	24.433	ug/l #	63

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	246525	25.068	ug/l	99
94) Hexachlorobutadiene	16.04	225	175323	23.575	ug/l	98
95) Naphthalene	16.11	128	360067	26.441	ug/l	96
96) 1,2,3-Trichlorobenzene	16.26	180	184955	24.248	ug/l	98

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

