

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071519\
 Data File : VD063084.D
 Acq On : 15 Jul 2019 16:54
 Operator : VA/AP
 Sample : VD0715SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0715SBS01

Quant Time: Jul 16 08:21:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	717782	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1039562	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	868009	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	470104	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	487406	54.51	ug/l	0.00
Spiked Amount 50.000			Recovery =	109.02%		
35) Dibromofluoromethane	6.91	113	542372	52.38	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.76%		
50) Toluene-d8	10.40	98	1161153	52.21	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.42%		
62) 4-Bromofluorobenzene	13.55	95	493464	47.96	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.92%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	217364	27.442	ug/l	92
3) Chloromethane	1.75	50	167868	24.077	ug/l	92
4) Vinyl Chloride	1.84	62	172151	22.472	ug/l	99
5) Bromomethane	2.14	94	60739	18.747	ug/l #	91
6) Chloroethane	2.25	64	77129	21.674	ug/l #	86
7) Trichlorofluoromethane	2.51	101	341317	22.009	ug/l	95
8) Diethyl Ether	2.86	74	54260	24.873	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.13	101	187034	20.916	ug/l	91
10) Methyl Iodide	3.29	142	234812	21.389	ug/l	99
11) Tert butyl alcohol	4.08	59	53659	103.987	ug/l #	85
12) 1,1-Dichloroethene	3.11	96	141814	22.333	ug/l	96
13) Acrolein	3.03	56	21063	135.243	ug/l #	83
14) Allyl chloride	3.61	41	220552	22.100	ug/l	98
15) Acrylonitrile	4.19	53	133187	116.763	ug/l	91
16) Acetone	3.22	43	203265	94.122	ug/l #	91
17) Carbon Disulfide	3.36	76	405407	22.305	ug/l #	94
18) Methyl Acetate	3.64	43	96587	31.589	ug/l	94
19) Methyl tert-butyl Ether	4.24	73	351114	21.904	ug/l	97
20) Methylene Chloride	3.80	84	167723	20.557	ug/l	94
21) trans-1,2-Dichloroethene	4.21	96	159202	22.585	ug/l	95
22) Diisopropyl ether	5.12	45	477265	21.996	ug/l	94
23) Vinyl Acetate	5.05	43	1375717	108.675	ug/l	99
24) 1,1-Dichloroethane	4.97	63	297695	22.273	ug/l #	96
25) 2-Butanone	6.07	43	219372	106.376	ug/l	98
26) 2,2-Dichloropropane	6.02	77	326710	22.086	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	167033	20.830	ug/l	88
28) Bromochloromethane	6.43	49	119246	24.592	ug/l	89
29) Tetrahydrofuran	6.46	42	101936	109.043	ug/l	97
30) Chloroform	6.66	83	373766	22.706	ug/l	95
31) Cyclohexane	6.94	56	188499	22.145	ug/l	94
32) 1,1,1-Trichloroethane	6.86	97	350779	21.611	ug/l	95
36) 1,1-Dichloropropene	7.14	75	243057	20.789	ug/l	95
37) Ethyl Acetate	6.18	43	105064	20.997	ug/l	95
38) Carbon Tetrachloride	7.10	117	343071	19.311	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	210388	20.814	ug/l	96
40) Benzene	7.45	78	501997	20.500	ug/l	99
41) Methacrylonitrile	6.44	41	142285	20.974	ug/l #	95
42) 1,2-Dichloroethane	7.57	62	250618	19.210	ug/l	96
43) Isopropyl Acetate	9.24	43	149035	20.780	ug/l #	99
44) Trichloroethene	8.53	130	204342	21.593	ug/l	97
45) 1,2-Dichloropropane	8.93	63	122289	20.030	ug/l	99
46) Dibromomethane	9.06	93	104858	19.987	ug/l	98
47) Bromodichloromethane	9.37	83	271106	19.802	ug/l	96
48) Methyl methacrylate	9.12	41	97245	20.647	ug/l	94
49) 1,4-Dioxane	9.08	88	17057	419.921	ug/l #	90
51) 4-Methyl-2-Pentanone	10.30	43	493465	103.735	ug/l	95
52) Toluene	10.50	92	333985	20.425	ug/l	97
53) t-1,3-Dichloropropene	10.91	75	239799	20.444	ug/l	92
54) cis-1,3-Dichloropropene	10.03	75	242697	20.011	ug/l	90
55) 1,1,2-Trichloroethane	11.19	97	116976	20.700	ug/l	96
56) Ethyl methacrylate	11.04	69	128095	20.288	ug/l	91
57) 1,3-Dichloropropane	11.40	76	173798	20.212	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	348392	99.100	ug/l	97
59) 2-Hexanone	11.53	43	363823	99.171	ug/l	97
60) Dibromochloromethane	11.68	129	212137	19.584	ug/l	95
61) 1,2-Dibromoethane	11.80	107	143233	21.175	ug/l	97
64) Tetrachloroethene	11.25	164	175577	20.846	ug/l	98
65) Chlorobenzene	12.40	112	411535	20.169	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	189488	20.030	ug/l	94
67) Ethyl Benzene	12.52	91	718765	20.274	ug/l	100
68) m/p-Xylenes	12.66	106	538395	42.399	ug/l	99
69) o-Xylene	13.05	106	235664	19.572	ug/l	99
70) Styrene	13.07	104	429165	20.363	ug/l	99
71) Bromoform	13.23	173	136122	20.553	ug/l	97
73) Isopropylbenzene	13.40	105	772989	21.292	ug/l	99
74) N-amyl acetate	13.26	43	200293	19.782	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	128907	19.515	ug/l	91
76) 1,2,3-Trichloropropane	13.73	75	144503	19.982	ug/l	97
77) Bromobenzene	13.67	156	206940	20.100	ug/l	92
78) n-propylbenzene	13.77	91	818504	19.591	ug/l	97
79) 2-Chlorotoluene	13.83	91	519827	20.579	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	670588	21.193	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	37448	19.665	ug/l	96
82) 4-Chlorotoluene	13.94	91	635021	21.528	ug/l	97
83) tert-Butylbenzene	14.19	119	722242	20.187	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	641981	20.351	ug/l	99
85) sec-Butylbenzene	14.37	105	781135	20.549	ug/l	98
86) p-Isopropyltoluene	14.48	119	723494	20.402	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	372363	20.252	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	366803	20.810	ug/l	98
89) n-Butylbenzene	14.79	91	676169	20.688	ug/l	98
90) Hexachloroethane	15.01	117	189595	20.000	ug/l	96
91) 1,2-Dichlorobenzene	14.80	146	324525	19.822	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	25700	20.298	ug/l #	54

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	261869	21.290	ug/l	98
94) Hexachlorobutadiene	16.03	225	204775	22.586	ug/l	97
95) Naphthalene	16.12	128	372195	20.686	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	196573	19.866	ug/l	96

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

