

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063214.D
 Acq On : 29 Jul 2019 23:56
 Operator : VA/AP
 Sample : VD0729SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS02

Quant Time: Jul 30 04:02:24 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	926424	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1314499	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1164114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	601648	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	592543	57.64	ug/l	0.00
Spiked Amount			Recovery	=	115.28%	
35) Dibromofluoromethane	6.92	113	637190	56.78	ug/l	0.00
Spiked Amount			Recovery	=	113.56%	
50) Toluene-d8	10.40	98	1408704	56.09	ug/l	0.00
Spiked Amount			Recovery	=	112.18%	
62) 4-Bromofluorobenzene	13.55	95	607273	53.06	ug/l	0.00
Spiked Amount			Recovery	=	106.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	250994	22.164	ug/l	98
3) Chloromethane	1.74	50	208394	23.686	ug/l #	87
4) Vinyl Chloride	1.84	62	174169	19.122	ug/l	92
5) Bromomethane	2.14	94	87019	18.943	ug/l	90
6) Chloroethane	2.25	64	84513	20.097	ug/l	98
7) Trichlorofluoromethane	2.52	101	363672	20.581	ug/l	93
8) Diethyl Ether	2.86	74	54095	21.875	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.14	101	207723	21.222	ug/l	97
10) Methyl Iodide	3.30	142	274985	19.447	ug/l	93
11) Tert butyl alcohol	4.07	59	45685	101.271	ug/l	95
12) 1,1-Dichloroethene	3.12	96	157434	21.909	ug/l	81
13) Acrolein	3.03	56	45257	104.241	ug/l	90
14) Allyl chloride	3.61	41	246581	21.541	ug/l	97
15) Acrylonitrile	4.19	53	127919	109.374	ug/l	96
16) Acetone	3.22	43	189996	94.862	ug/l	93
17) Carbon Disulfide	3.36	76	514038	21.373	ug/l	97
18) Methyl Acetate	3.64	43	99873	25.960	ug/l	98
19) Methyl tert-butyl Ether	4.23	73	383604	23.633	ug/l	96
20) Methylene Chloride	3.81	84	179918	22.224	ug/l	96
21) trans-1,2-Dichloroethene	4.20	96	166206	20.614	ug/l	94
22) Diisopropyl ether	5.12	45	519250	22.704	ug/l #	98
23) Vinyl Acetate	5.05	43	1496494	106.450	ug/l	100
24) 1,1-Dichloroethane	4.98	63	323668	22.156	ug/l	98
25) 2-Butanone	6.07	43	207955	103.458	ug/l	99
26) 2,2-Dichloropropane	6.01	77	298720	19.843	ug/l	98
27) cis-1,2-Dichloroethene	6.03	96	191273	22.127	ug/l	95
28) Bromochloromethane	6.44	49	125171	21.506	ug/l #	99
29) Tetrahydrofuran	6.45	42	99809	104.880	ug/l	99
30) Chloroform	6.66	83	406821	22.440	ug/l	96
31) Cyclohexane	6.96	56	189017	20.643	ug/l	90
32) 1,1,1-Trichloroethane	6.87	97	351068	20.020	ug/l	97
36) 1,1-Dichloropropene	7.14	75	251544	20.968	ug/l	95
37) Ethyl Acetate	6.18	43	106465	19.754	ug/l #	93
38) Carbon Tetrachloride	7.10	117	362409	20.067	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	203958	20.406	ug/l	90
40) Benzene	7.45	78	530470	21.099	ug/l	96
41) Methacrylonitrile	6.45	41	133823	20.758	ug/l #	77
42) 1,2-Dichloroethane	7.57	62	295863	22.204	ug/l	99
43) Isopropyl Acetate	9.23	43	133280	19.359	ug/l #	94
44) Trichloroethene	8.53	130	206414	20.261	ug/l	80
45) 1,2-Dichloropropane	8.94	63	140108	21.924	ug/l	96
46) Dibromomethane	9.05	93	117004	22.020	ug/l	95
47) Bromodichloromethane	9.37	83	301571	22.264	ug/l	92
48) Methyl methacrylate	9.11	41	101868	22.814	ug/l	91
49) 1,4-Dioxane	9.06	88	17035	448.103	ug/l #	58
51) 4-Methyl-2-Pentanone	10.29	43	506783	108.239	ug/l	97
52) Toluene	10.50	92	347306	20.769	ug/l	97
53) t-1,3-Dichloropropene	10.90	75	237252	20.317	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	277615	22.620	ug/l	93
55) 1,1,2-Trichloroethane	11.18	97	123014	21.781	ug/l	93
56) Ethyl methacrylate	11.03	69	131457	21.256	ug/l	95
57) 1,3-Dichloropropane	11.41	76	195257	21.943	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	343974	106.892	ug/l	97
59) 2-Hexanone	11.53	43	330404	97.924	ug/l	96
60) Dibromochloromethane	11.68	129	244930	22.973	ug/l	92
61) 1,2-Dibromoethane	11.80	107	151668	21.764	ug/l	96
64) Tetrachloroethene	11.25	164	184262	19.869	ug/l	97
65) Chlorobenzene	12.39	112	485748	21.694	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	220835	22.390	ug/l	97
67) Ethyl Benzene	12.52	91	824194	21.668	ug/l	99
68) m/p-Xylenes	12.67	106	562545	40.327	ug/l	99
69) o-Xylene	13.04	106	249663	19.490	ug/l	96
70) Styrene	13.07	104	452631	19.924	ug/l	99
71) Bromoform	13.23	173	143184	19.963	ug/l	99
73) Isopropylbenzene	13.40	105	811210	21.483	ug/l	99
74) N-amyl acetate	13.26	43	196489	19.683	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	136131	21.223	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	160728	22.241	ug/l	99
77) Bromobenzene	13.67	156	224776	20.896	ug/l	86
78) n-propylbenzene	13.77	91	922461	20.528	ug/l	96
79) 2-Chlorotoluene	13.84	91	554000	21.277	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	703657	21.605	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.46	75	35833	17.857	ug/l	97
82) 4-Chlorotoluene	13.95	91	667476	21.782	ug/l	97
83) tert-Butylbenzene	14.18	119	698672	18.788	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	680539	20.202	ug/l	98
85) sec-Butylbenzene	14.36	105	766402	19.561	ug/l	99
86) p-Isopropyltoluene	14.49	119	694421	18.570	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	400460	21.022	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	382690	19.866	ug/l	94
89) n-Butylbenzene	14.79	91	667968	20.681	ug/l	96
90) Hexachloroethane	15.00	117	197359	20.257	ug/l	92
91) 1,2-Dichlorobenzene	14.80	146	343603	20.702	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	25927	19.844	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	237377	18.028	µg/l	97
94) Hexachlorobutadiene	16.03	225	180618	18.929	µg/l	98
95) Naphthalene	16.12	128	392736	21.103	µg/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	204876	19.696	µg/l	96

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

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