

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071019\
 Data File : VD063065.D
 Acq On : 10 Jul 2019 18:32
 Operator : VA/AP
 Sample : VD0710SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0710SBS01

Quant Time: Jul 11 07:02:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	822268	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.21	114	1162247	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	989634	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	547592	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	453719	50.76	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	101.52%	
35) Dibromofluoromethane	6.92	113	513689	52.42	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	104.84%	
50) Toluene-d8	10.40	98	1039964	48.76	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	97.52%	
62) 4-Bromofluorobenzene	13.55	95	492779	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	249993	23.495	ug/l	98
3) Chloromethane	1.74	50	181534	22.685	ug/l #	86
4) Vinyl Chloride	1.85	62	181820	22.916	ug/l	96
5) Bromomethane	2.14	94	70902	19.082	ug/l	97
6) Chloroethane	2.25	64	79466	22.122	ug/l	96
7) Trichlorofluoromethane	2.52	101	371935	23.163	ug/l	99
8) Diethyl Ether	2.86	74	49116	24.074	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.14	101	206852	23.779	ug/l	91
10) Methyl Iodide	3.29	142	252688	22.018	ug/l #	94
11) Tert butyl alcohol	4.09	59	55297	135.840	ug/l #	94
12) 1,1-Dichloroethene	3.11	96	148164	22.704	ug/l	93
13) Acrolein	3.03	56	26503	63.774	ug/l	93
14) Allyl chloride	3.61	41	230928	23.949	ug/l	99
15) Acrylonitrile	4.19	53	131860	137.855	ug/l	92
16) Acetone	3.22	43	192598	102.121	ug/l	95
17) Carbon Disulfide	3.36	76	437015	20.954	ug/l	98
18) Methyl Acetate	3.64	43	103774	38.461	ug/l	99
19) Methyl tert-butyl Ether	4.23	73	379290	26.848	ug/l	98
20) Methylene Chloride	3.81	84	165048	24.213	ug/l	94
21) trans-1,2-Dichloroethene	4.21	96	168035	24.183	ug/l	94
22) Diisopropyl ether	5.12	45	517080	26.369	ug/l	99
23) Vinyl Acetate	5.05	43	1470114	119.808	ug/l	99
24) 1,1-Dichloroethane	4.98	63	318046	24.911	ug/l	99
25) 2-Butanone	6.07	43	205091	122.687	ug/l	93
26) 2,2-Dichloropropane	6.01	77	315469	23.311	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	184666	25.131	ug/l	96
28) Bromochloromethane	6.42	49	116690	25.950	ug/l #	80
29) Tetrahydrofuran	6.45	42	105691	133.629	ug/l	97
30) Chloroform	6.65	83	388552	25.024	ug/l	98
31) Cyclohexane	6.95	56	202234	24.095	ug/l	88
32) 1,1,1-Trichloroethane	6.86	97	377105	23.318	ug/l	95
36) 1,1-Dichloropropene	7.13	75	245205	22.287	ug/l	92
37) Ethyl Acetate	6.18	43	110682	23.361	ug/l #	97
38) Carbon Tetrachloride	7.10	117	362659	21.917	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	216595	22.365	ug/l	95
40) Benzene	7.45	78	500841	22.678	ug/l	100
41) Methacrylonitrile	6.44	41	142407	24.544	ug/l #	94
42) 1,2-Dichloroethane	7.58	62	292992	24.319	ug/l	96
43) Isopropyl Acetate	9.23	43	148949	25.823	ug/l #	98
44) Trichloroethene	8.53	130	201687	23.294	ug/l	96
45) 1,2-Dichloropropane	8.94	63	126237	22.987	ug/l	95
46) Dibromomethane	9.05	93	109346	23.180	ug/l	97
47) Bromodichloromethane	9.37	83	306238	24.996	ug/l	97
48) Methyl methacrylate	9.11	41	97506	23.788	ug/l	93
49) 1,4-Dioxane	9.07	88	14856	435.629	ug/l #	80
51) 4-Methyl-2-Pentanone	10.29	43	519997	127.152	ug/l	97
52) Toluene	10.50	92	349707	23.556	ug/l	100
53) t-1,3-Dichloropropene	10.90	75	238512	23.786	ug/l	97
54) cis-1,3-Dichloropropene	10.04	75	254326	23.334	ug/l	93
55) 1,1,2-Trichloroethane	11.19	97	118212	23.177	ug/l	95
56) Ethyl methacrylate	11.03	69	125947	23.106	ug/l	99
57) 1,3-Dichloropropane	11.41	76	179974	23.046	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	299109	106.889	ug/l	91
59) 2-Hexanone	11.53	43	376453	129.252	ug/l	97
60) Dibromochloromethane	11.68	129	221731	23.340	ug/l	100
61) 1,2-Dibromoethane	11.80	107	149211	24.770	ug/l	100
64) Tetrachloroethene	11.26	164	183140	22.485	ug/l	97
65) Chlorobenzene	12.39	112	439992	23.956	ug/l	95
66) 1,1,1,2-Tetrachloroethane	12.51	131	211589	24.634	ug/l	97
67) Ethyl Benzene	12.52	91	805576	24.430	ug/l	100
68) m/p-Xylenes	12.67	106	591989	51.545	ug/l	93
69) o-Xylene	13.05	106	260269	24.790	ug/l	97
70) Styrene	13.07	104	450058	24.405	ug/l	92
71) Bromoform	13.23	173	142851	24.274	ug/l #	98
73) Isopropylbenzene	13.40	105	786369	22.397	ug/l	100
74) N-amyl acetate	13.26	43	196642	23.062	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	136995	23.947	ug/l	93
76) 1,2,3-Trichloropropane	13.73	75	159246	25.191	ug/l	98
77) Bromobenzene	13.67	156	214758	22.741	ug/l	91
78) n-propylbenzene	13.77	91	911465	22.304	ug/l	94
79) 2-Chlorotoluene	13.84	91	547542	23.445	ug/l	95
80) 1,3,5-Trimethylbenzene	13.93	105	688341	23.340	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.47	75	38667	23.339	ug/l	96
82) 4-Chlorotoluene	13.95	91	646773	23.004	ug/l	100
83) tert-Butylbenzene	14.18	119	761530	23.166	ug/l	94
84) 1,2,4-Trimethylbenzene	14.23	105	682758	22.587	ug/l	98
85) sec-Butylbenzene	14.37	105	763170	21.360	ug/l	99
86) p-Isopropyltoluene	14.49	119	741549	22.687	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	387823	22.909	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	399269	23.482	ug/l	97
89) n-Butylbenzene	14.79	91	686352	22.435	ug/l	99
90) Hexachloroethane	15.01	117	185772	21.139	ug/l	93
91) 1,2-Dichlorobenzene	14.80	146	361024	24.926	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	15.37	75	26096	23.372	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	263681	23.305	ug/l	98
94) Hexachlorobutadiene	16.03	225	190368	22.024	ug/l	94
95) Naphthalene	16.12	128	358154	22.585	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	198932	22.884	ug/l	95

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

