

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061418\
 Data File : VD058131.D
 Acq On : 14 Jun 2018 13:06
 Operator : VA/AP
 Sample : VD0614SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBS01

Quant Time: Jun 15 06:02:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	861750	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1061303	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	888368	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.92	152	460995	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	401902	46.65	ug/l	0.00
Spiked Amount			Recovery	=	93.30%	
35) Dibromofluoromethane	5.55	113	430414	52.42	ug/l	0.00
Spiked Amount			Recovery	=	104.84%	
50) Toluene-d8	8.71	98	988045	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
62) 4-Bromofluorobenzene	11.93	95	426916	50.13	ug/l	0.00
Spiked Amount			Recovery	=	100.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	268509	23.216	ug/l	93
3) Chloromethane	1.49	50	127706	22.420	ug/l	92
4) Vinyl Chloride	1.57	62	114924	20.843	ug/l	97
5) Bromomethane	1.80	94	40206	18.605	ug/l	94
6) Chloroethane	1.89	64	42383	19.483	ug/l	93
7) Trichlorofluoromethane	2.09	101	169446	22.482	ug/l	97
8) Diethyl Ether	2.35	74	30323	21.657	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.56	101	99818	22.203	ug/l	99
10) Methyl Iodide	2.70	142	113068	19.492	ug/l	97
11) Tert butyl alcohol	3.28	59	26598	115.246	ug/l #	93
12) 1,1-Dichloroethene	2.55	96	77864	22.529	ug/l	100
13) Acrolein	2.48	56	28773	87.052	ug/l #	79
14) Allyl chloride	2.92	41	171174	21.470	ug/l #	97
15) Acrylonitrile	3.37	53	147586	109.308	ug/l	93
16) Acetone	2.62	43	133528	107.576	ug/l	97
17) Carbon Disulfide	2.77	76	257176	20.540	ug/l	98
18) Methyl Acetate	2.94	43	49141	20.466	ug/l	98
19) Methyl tert-butyl Ether	3.42	73	335958	22.091	ug/l	98
20) Methylene Chloride	3.07	84	79796	22.024	ug/l	94
21) trans-1,2-Dichloroethene	3.40	96	171650	22.298	ug/l	95
22) Diisopropyl ether	4.08	45	658870	20.860	ug/l	96
23) Vinyl Acetate	4.03	43	1709588	104.756	ug/l	99
24) 1,1-Dichloroethane	3.98	63	382473	22.033	ug/l	99
25) 2-Butanone	4.84	43	280350	99.384	ug/l	93
26) 2,2-Dichloropropane	4.80	77	326526	22.834	ug/l	92
27) cis-1,2-Dichloroethene	4.81	96	210926	23.102	ug/l	89
28) Bromochloromethane	5.15	49	160407	21.350	ug/l	96
29) Tetrahydrofuran	5.19	42	143508	97.049	ug/l	94
30) Chloroform	5.34	83	396670	22.705	ug/l	95
31) Cyclohexane	5.60	56	312275	20.845	ug/l	96
32) 1,1,1-Trichloroethane	5.52	97	319735	21.858	ug/l	99
36) 1,1-Dichloropropene	5.75	75	289857	24.789	ug/l	98
37) Ethyl Acetate	4.93	43	145231	22.763	ug/l #	95
38) Carbon Tetrachloride	5.73	117	284195	24.662	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	276264	23.834	ug/l	90
40) Benzene	6.03	78	664133	24.314	ug/l	100
41) Methacrylonitrile	5.14	41	64926	22.256	ug/l #	97
42) 1,2-Dichloroethane	6.13	62	256530	23.228	ug/l	99
43) Isopropyl Acetate	7.62	43	186423	22.308	ug/l #	99
44) Trichloroethene	6.99	130	192541	24.132	ug/l	97
45) 1,2-Dichloropropane	7.35	63	181667	23.930	ug/l	100
46) Dibromomethane	7.47	93	117850	24.165	ug/l	95
47) Bromodichloromethane	7.75	83	260660	22.827	ug/l	93
48) Methyl methacrylate	7.51	41	106798	20.763	ug/l	97
49) 1,4-Dioxane	7.50	88	18370	431.109	ug/l	94
51) 4-Methyl-2-Pentanone	8.60	43	616866	115.082	ug/l	97
52) Toluene	8.81	92	374783	23.907	ug/l	98
53) t-1,3-Dichloropropene	9.20	75	235809	23.969	ug/l	99
54) cis-1,3-Dichloropropene	8.37	75	282786	24.399	ug/l	99
55) 1,1,2-Trichloroethane	9.46	97	122293	24.104	ug/l	94
56) Ethyl methacrylate	9.32	69	146153	23.484	ug/l	96
57) 1,3-Dichloropropane	9.67	76	213012	23.938	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.19	63	384828	122.390	ug/l	96
59) 2-Hexanone	9.80	43	448685	114.222	ug/l	98
60) Dibromochloromethane	9.96	129	167093	23.355	ug/l	95
61) 1,2-Dibromoethane	10.10	107	136703	23.430	ug/l	95
64) Tetrachloroethene	9.52	164	180981	22.788	ug/l	95
65) Chlorobenzene	10.73	112	403934	22.460	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.86	131	161266	23.339	ug/l	96
67) Ethyl Benzene	10.86	91	774465	23.836	ug/l	99
68) m/p-Xylenes	11.02	106	501383	47.336	ug/l	96
69) o-Xylene	11.41	106	237304	22.571	ug/l	98
70) Styrene	11.44	104	403167	23.164	ug/l	98
71) Bromoform	11.61	173	114424	22.013	ug/l	95
73) Isopropylbenzene	11.77	105	702697	23.013	ug/l	100
74) N-amyl acetate	11.65	43	245537	20.840	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.08	83	146544	22.013	ug/l	98
76) 1,2,3-Trichloropropane	12.12	75	151273	21.845	ug/l	97
77) Bromobenzene	12.04	156	204195	22.592	ug/l	94
78) n-propylbenzene	12.16	91	923961	23.255	ug/l	98
79) 2-Chlorotoluene	12.22	91	527120	23.255	ug/l	100
80) 1,3,5-Trimethylbenzene	12.33	105	555407	23.324	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	38144	22.239	ug/l	95
82) 4-Chlorotoluene	12.33	91	587991	25.088	ug/l	97
83) tert-Butylbenzene	12.58	119	598801	22.270	ug/l	98
84) 1,2,4-Trimethylbenzene	12.63	105	566624	22.131	ug/l	97
85) sec-Butylbenzene	12.76	105	712759	21.965	ug/l	99
86) p-Isopropyltoluene	12.89	119	595765	22.779	ug/l	99
87) 1,3-Dichlorobenzene	12.85	146	353935	23.150	ug/l	98
88) 1,4-Dichlorobenzene	12.94	146	336024	22.558	ug/l	99
89) n-Butylbenzene	13.20	91	654215	25.626	ug/l	99
90) Hexachloroethane	13.41	117	147892	22.155	ug/l	96
91) 1,2-Dichlorobenzene	13.20	146	294283	23.818	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.78	75	21763	21.182	ug/l #	42

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	258477	22.392	ug/l	98
94) Hexachlorobutadiene	14.44	225	206226	22.713	ug/l	96
95) Naphthalene	14.52	128	334517	22.476	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	218374	22.198	ug/l	98

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

