

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111318\
 Data File : VD060367.D
 Acq On : 13 Nov 2018 18:20
 Operator : JC/SY
 Sample : J5889-09MSD
 Misc : 11.28g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WALL-DMSD

Quant Time: Nov 14 13:00:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	19002	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.44	114	31020	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.28	117	34567	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	22787	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	21805	160.26	ug/l	-0.02
Spiked Amount			Recovery	=	320.52%	
35) Dibromofluoromethane	6.32	113	18066	78.10	ug/l	-0.02
Spiked Amount			Recovery	=	156.20%	
50) Toluene-d8	9.46	98	44946	66.39	ug/l	0.00
Spiked Amount			Recovery	=	132.78%	
62) 4-Bromofluorobenzene	12.43	95	20957	85.43	ug/l	0.00
Spiked Amount			Recovery	=	170.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	6050	39.642	ug/l	91
3) Chloromethane	1.76	50	12551	69.730	ug/l	95
4) Vinyl Chloride	1.86	62	6878	46.791	ug/l	98
5) Bromomethane	2.18	94	8386	240.462	ug/l	85
6) Chloroethane	2.27	64	4035	82.729	ug/l #	81
7) Trichlorofluoromethane	2.52	101	9187	53.011	ug/l	95
8) Diethyl Ether	2.83	74	4841	154.285	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	3.09	101	5228	45.865	ug/l #	76
10) Methyl Iodide	3.27	142	11816	79.813	ug/l	95
11) Tert butyl alcohol	3.97	59	13184	2359.762	ug/l	94
12) 1,1-Dichloroethene	3.08	96	4764	51.382	ug/l #	58
13) Acrolein	2.98	56	7665	1161.072	ug/l	96
14) Allyl chloride	3.53	41	17220	97.066	ug/l #	79
15) Acrylonitrile	4.08	53	72178	2215.380	ug/l	94
16) Acetone	3.16	43	64325	2725.566	ug/l	99
17) Carbon Disulfide	3.33	76	15353	51.301	ug/l	100
18) Methyl Acetate	3.55	43	24832	493.462	ug/l #	92
19) Methyl tert-butyl Ether	4.12	73	46492	167.460	ug/l	98
20) Methylene Chloride	3.73	84	23614	112.793	ug/l	98
21) trans-1,2-Dichloroethene	4.10	96	11994	58.261	ug/l	93
22) Diisopropyl ether	4.85	45	76871	115.981	ug/l #	83
23) Vinyl Acetate	4.80	43	261684	793.476	ug/l	99
24) 1,1-Dichloroethane	4.75	63	26185	77.042	ug/l #	95
25) 2-Butanone	5.62	43	107440	2190.180	ug/l	96
26) 2,2-Dichloropropane	5.59	77	13466	50.961	ug/l	99
27) cis-1,2-Dichloroethene	5.60	96	17197	80.185	ug/l	97
28) Bromochloromethane	5.92	49	21489	143.294	ug/l	93
29) Tetrahydrofuran	5.95	42	62282	2408.120	ug/l	98
30) Chloroform	6.10	83	31184	91.778	ug/l	93
31) Cyclohexane	6.37	56	11790	36.294	ug/l	95
32) 1,1,1-Trichloroethane	6.30	97	15230	53.213	ug/l	95
36) 1,1-Dichloropropene	6.52	75	12837	41.888	ug/l	92
37) Ethyl Acetate	5.70	43	49153	348.548	ug/l #	93
38) Carbon Tetrachloride	6.50	117	10814	38.039	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	10691	30.331	ug/l	95
40) Benzene	6.79	78	53564	68.471	ug/l	99
41) Methacrylonitrile	5.94	41	57725	357.636	ug/l #	95
42) 1,2-Dichloroethane	6.89	62	25373	123.917	ug/l	95
43) Isopropyl Acetate	8.35	43	51150	288.752	ug/l #	94
44) Trichloroethene	7.73	130	12481	52.632	ug/l	86
45) 1,2-Dichloropropane	8.10	63	16012	81.158	ug/l	98
46) Dibromomethane	8.22	93	17156	148.471	ug/l	95
47) Bromodichloromethane	8.49	83	24950	91.629	ug/l	95
48) Methyl methacrylate	8.25	41	26228	243.755	ug/l	95
49) 1,4-Dioxane	8.23	88	7491	8046.307	ug/l	90
51) 4-Methyl-2-Pentanone	9.34	43	195067	1691.898	ug/l	99
52) Toluene	9.55	92	39577	79.200	ug/l	90
53) t-1,3-Dichloropropene	9.92	75	23475	102.035	ug/l	91
54) cis-1,3-Dichloropropene	9.10	75	24619	83.430	ug/l	93
55) 1,1,2-Trichloroethane	10.19	97	20735	143.163	ug/l	96
56) Ethyl methacrylate	10.03	69	21502	161.465	ug/l	89
57) 1,3-Dichloropropane	10.38	76	32603	147.729	ug/l	92
58) 2-Chloroethyl Vinyl ether	8.93	63	69156	858.868	ug/l	94
59) 2-Hexanone	10.49	43	149663	1821.273	ug/l	100
60) Dibromochloromethane	10.64	129	21571	122.521	ug/l	96
61) 1,2-Dibromoethane	10.76	107	25140	173.240	ug/l	100
64) Tetrachloroethene	10.25	164	13876	44.965	ug/l	95
65) Chlorobenzene	11.32	112	41731	55.718	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.42	131	16324	66.613	ug/l	94
67) Ethyl Benzene	11.43	91	59654	46.560	ug/l	92
68) m/p-Xylenes	11.56	106	48967	103.607	ug/l	95
69) o-Xylene	11.94	106	22600	49.497	ug/l	96
70) Styrene	11.96	104	37331	50.591	ug/l	97
71) Bromoform	12.11	173	18318	111.240	ug/l	99
73) Isopropylbenzene	12.27	105	48010	28.918	ug/l	95
74) N-amyl acetate	12.13	43	43180	101.447	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.57	83	39082	143.940	ug/l	95
76) 1,2,3-Trichloropropane	12.60	75	36820	135.077	ug/l	90
77) Bromobenzene	12.54	156	21723	49.259	ug/l	84
78) n-propylbenzene	12.64	91	67314	32.484	ug/l	94
79) 2-Chlorotoluene	12.70	91	45350	39.958	ug/l	92
80) 1,3,5-Trimethylbenzene	12.79	105	46518	36.054	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.34	75	8091	104.259	ug/l #	80
82) 4-Chlorotoluene	12.81	91	53692	42.114	ug/l	93
83) tert-Butylbenzene	13.05	119	46652	32.568	ug/l	99
84) 1,2,4-Trimethylbenzene	13.10	105	59067	45.840	ug/l	98
85) sec-Butylbenzene	13.23	105	42652	24.269	ug/l	87
86) p-Isopropyltoluene	13.34	119	40711	28.766	ug/l	96
87) 1,3-Dichlorobenzene	13.31	146	37724	48.081	ug/l	90
88) 1,4-Dichlorobenzene	13.39	146	41167	53.725	ug/l	94
89) n-Butylbenzene	13.65	91	41249	27.465	ug/l	97
90) Hexachloroethane	13.86	117	9468	28.213	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	38802	60.210	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	5879	179.374	ug/l	71

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	23787	46.554	ug/l	98
94) Hexachlorobutadiene	14.88	225	10085	26.388	ug/l	98
95) Naphthalene	14.97	128	54011	86.568	ug/l	100
96) 1,2,3-Trichlorobenzene	15.12	180	22161	54.125	ug/l	99

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

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