

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111318\
 Data File : VD060366.D
 Acq On : 13 Nov 2018 17:52
 Operator : JC/SY
 Sample : J5889-08MS
 Misc : 7.52g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 14 11:13:34 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	17302	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.45	114	28256	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	35064	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	20496	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	18269	147.47	ug/l	0.00
Spiked Amount			Recovery	=	294.94%	
35) Dibromofluoromethane	6.33	113	16661	79.07	ug/l	0.00
Spiked Amount			Recovery	=	158.14%	
50) Toluene-d8	9.46	98	37954	61.55	ug/l	0.00
Spiked Amount			Recovery	=	123.10%	
62) 4-Bromofluorobenzene	12.43	95	18038	80.72	ug/l	0.00
Spiked Amount			Recovery	=	161.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.61	85	5708	41.258	ug/l	82
3) Chloromethane	1.76	50	10232	62.432	ug/l	99
4) Vinyl Chloride	1.87	62	5225	39.038	ug/l	99
5) Bromomethane	2.18	94	6771	213.230	ug/l	90
6) Chloroethane	2.28	64	3598	81.018	ug/l	92
7) Trichlorofluoromethane	2.52	101	7300	46.261	ug/l	97
8) Diethyl Ether	2.83	74	4421	154.744	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.10	101	4092	39.426	ug/l #	91
10) Methyl Iodide	3.26	142	8890	65.949	ug/l	91
11) Tert butyl alcohol	3.96	59	13608	2674.966	ug/l #	70
12) 1,1-Dichloroethene	3.08	96	4442	52.616	ug/l #	91
13) Acrolein	2.98	56	9417	1566.617	ug/l #	78
14) Allyl chloride	3.53	41	15956	98.778	ug/l #	93
15) Acrylonitrile	4.09	53	74532	2512.402	ug/l	95
16) Acetone	3.16	43	63843	2970.935	ug/l	97
17) Carbon Disulfide	3.33	76	11993	44.011	ug/l	98
18) Methyl Acetate	3.55	43	25787	562.789	ug/l #	91
19) Methyl tert-butyl Ether	4.12	73	43642	172.640	ug/l	93
20) Methylene Chloride	3.73	84	22245	116.694	ug/l	89
21) trans-1,2-Dichloroethene	4.11	96	9586	51.139	ug/l #	80
22) Diisopropyl ether	4.85	45	62615	103.754	ug/l #	73
23) Vinyl Acetate	4.80	43	201034	669.467	ug/l	96
24) 1,1-Dichloroethane	4.75	63	22549	72.863	ug/l #	95
25) 2-Butanone	5.62	43	111552	2497.435	ug/l	98
26) 2,2-Dichloropropane	5.59	77	10531	43.770	ug/l	96
27) cis-1,2-Dichloroethene	5.59	96	13303	68.123	ug/l	88
28) Bromochloromethane	5.93	49	17198	125.948	ug/l	96
29) Tetrahydrofuran	5.96	42	60853	2584.048	ug/l	97
30) Chloroform	6.10	83	24802	80.167	ug/l	96
31) Cyclohexane	6.38	56	10041	33.947	ug/l #	81
32) 1,1,1-Trichloroethane	6.29	97	11603	44.523	ug/l	96
36) 1,1-Dichloropropene	6.53	75	10156	36.381	ug/l	93
37) Ethyl Acetate	5.70	43	43172	336.082	ug/l #	94
38) Carbon Tetrachloride	6.50	117	8583	33.145	ug/l	98

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39) Methylcyclohexane	8.05	83	7936	24.717	ug/l	93
40) Benzene	6.80	78	42192	59.210	ug/l	97
41) Methacrylonitrile	5.95	41	56304	382.955	ug/l #	93
42) 1,2-Dichloroethane	6.89	62	21270	114.040	ug/l	93
43) Isopropyl Acetate	8.35	43	45945	284.740	ug/l #	93
44) Trichloroethene	7.75	130	9046	41.878	ug/l	99
45) 1,2-Dichloropropane	8.10	63	13224	73.583	ug/l	93
46) Dibromomethane	8.22	93	14598	138.691	ug/l #	84
47) Bromodichloromethane	8.49	83	18122	73.063	ug/l #	98
48) Methyl methacrylate	8.25	41	24271	247.632	ug/l	93
49) 1,4-Dioxane	8.23	88	7298	8605.810	ug/l #	89
51) 4-Methyl-2-Pentanone	9.34	43	185141	1762.885	ug/l	100
52) Toluene	9.55	92	26499	58.216	ug/l	97
53) t-1,3-Dichloropropene	9.92	75	18654	89.012	ug/l	90
54) cis-1,3-Dichloropropene	9.10	75	20402	75.903	ug/l	88
55) 1,1,2-Trichloroethane	10.19	97	18566	140.727	ug/l	93
56) Ethyl methacrylate	10.04	69	16961	139.824	ug/l	93
57) 1,3-Dichloropropane	10.38	76	27768	138.128	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.93	63	65249	889.614	ug/l	93
59) 2-Hexanone	10.49	43	149143	1992.483	ug/l	99
60) Dibromochloromethane	10.64	129	18163	113.255	ug/l	97
61) 1,2-Dibromoethane	10.76	107	20554	155.493	ug/l	97
64) Tetrachloroethene	10.26	164	10558	33.728	ug/l	94
65) Chlorobenzene	11.32	112	32076	42.220	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.42	131	13238	53.255	ug/l	95
67) Ethyl Benzene	11.43	91	43716	33.637	ug/l	92
68) m/p-Xylenes	11.57	106	31596	65.905	ug/l	100
69) o-Xylene	11.94	106	15612	33.708	ug/l	94
70) Styrene	11.96	104	28921	38.638	ug/l #	92
71) Bromoform	12.12	173	16908	101.222	ug/l #	85
73) Isopropylbenzene	12.28	105	37081	24.832	ug/l	99
74) N-amyl acetate	12.14	43	36834	96.211	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	35966	147.270	ug/l	98
76) 1,2,3-Trichloropropane	12.60	75	33898	138.257	ug/l	99
77) Bromobenzene	12.54	156	19243	48.513	ug/l	91
78) n-propylbenzene	12.64	91	48448	25.993	ug/l	95
79) 2-Chlorotoluene	12.71	91	34193	33.495	ug/l	97
80) 1,3,5-Trimethylbenzene	12.79	105	32179	27.728	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	6499	93.106	ug/l #	80
82) 4-Chlorotoluene	12.81	91	41969	36.599	ug/l	90
83) tert-Butylbenzene	13.05	119	34134	26.493	ug/l	94
84) 1,2,4-Trimethylbenzene	13.10	105	34839	30.059	ug/l	94
85) sec-Butylbenzene	13.23	105	33723	21.334	ug/l	94
86) p-Isopropyltoluene	13.35	119	29318	23.031	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	27675	39.216	ug/l	93
88) 1,4-Dichlorobenzene	13.40	146	30007	43.538	ug/l	97
89) n-Butylbenzene	13.65	91	27159	19.325	ug/l	99
90) Hexachloroethane	13.86	117	6559	21.729	ug/l	93
91) 1,2-Dichlorobenzene	13.66	146	32185	55.525	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.23	75	4786	162.348	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	17543	38.172	ug/l	96
94) Hexachlorobutadiene	14.88	225	7263	21.128	ug/l	91
95) Naphthalene	14.97	128	38032	67.771	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	15942	43.288	ug/l	90

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

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