

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072518\
 Data File : VD059598.D
 Acq On : 25 Jul 2018 19:28
 Operator : VA/AP
 Sample : J4026-06MS
 Misc : 5.01g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 KY030LC006-S-180716MS

Quant Time: Jul 26 04:30:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 07:10:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	4965	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.67	114	8374	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	7602	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.91	152	4668	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.99	65	6957	111.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	222.92%	
35) Dibromofluoromethane	5.52	113	3821	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	
50) Toluene-d8	8.70	98	7799	47.86	ug/l	0.02
Spiked Amount	50.000		Recovery	=	95.72%	
62) 4-Bromofluorobenzene	11.92	95	4156	56.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.33	85	1686	28.24	ug/l	97
3) Chloromethane	1.46	50	1219	39.28	ug/l #	41
4) Vinyl Chloride	1.53	62	954	29.54	ug/l #	43
5) Bromomethane	1.77	94	925	149.30	ug/l #	69
6) Chloroethane	1.87	64	220	23.29	ug/l #	43
7) Trichlorofluoromethane	2.07	101	2689	48.81	ug/l #	79
8) Diethyl Ether	2.32	74	730	68.93	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.53	101	1180	40.65	ug/l #	19
10) Methyl Iodide	2.68	142	1108	30.16	ug/l #	83
11) Tert butyl alcohol	3.23	59	3514	1411.17	ug/l #	80
12) 1,1-Dichloroethene	2.53	96	813	38.64	ug/l #	87
13) Acrolein	2.45	56	818	637.63	ug/l	92
14) Allyl chloride	2.90	41	2778	54.45	ug/l	88
15) Acrylonitrile	3.33	53	7043	1304.13	ug/l	89
16) Acetone	2.59	43	16602	1761.23	ug/l	96
17) Carbon Disulfide	2.74	76	2853	34.14	ug/l #	76
18) Methyl Acetate	2.91	43	6556	347.79	ug/l	98
19) Methyl tert-butyl Ether	3.37	73	11381	161.37	ug/l #	91
20) Methylene Chloride	3.05	84	1456	54.17	ug/l #	68
21) trans-1,2-Dichloroethene	3.36	96	1519	66.95	ug/l #	67
22) Diisopropyl ether	4.05	45	10736	80.02	ug/l #	92
23) Vinyl Acetate	3.99	43	48224	566.37	ug/l	99
24) 1,1-Dichloroethane	3.95	63	4602	54.34	ug/l #	91
25) 2-Butanone	4.81	43	22158	1541.44	ug/l	95
26) 2,2-Dichloropropane	4.77	77	3921	45.21	ug/l #	57
27) cis-1,2-Dichloroethene	4.77	96	2686	59.27	ug/l	85
28) Bromochloromethane	5.13	49	2867	85.55	ug/l #	82
29) Tetrahydrofuran	5.16	42	8177	1228.53	ug/l	96
30) Chloroform	5.30	83	7026	69.36	ug/l	92
31) Cyclohexane	5.57	56	1721	29.37	ug/l #	83
32) 1,1,1-Trichloroethane	5.49	97	5151	52.52	ug/l #	88
36) 1,1-Dichloropropene	5.73	75	2998	35.68	ug/l	92
37) Ethyl Acetate	4.90	43	7285	168.54	ug/l #	92
38) Carbon Tetrachloride	5.70	117	3611	31.38	ug/l #	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.26	83	1541	19.94	ug/l	85
40) Benzene	6.00	78	8992	52.18	ug/l #	90
41) Methacrylonitrile	5.10	41	3753	173.98	ug/l #	82
42) 1,2-Dichloroethane	6.11	62	8129	78.30	ug/l	85
43) Isopropyl Acetate	7.60	43	9102	151.85	ug/l	99
44) Trichloroethene	6.96	130	2356	37.70	ug/l	89
45) 1,2-Dichloropropane	7.33	63	2486	51.52	ug/l	100
46) Dibromomethane	7.45	93	3378	82.82	ug/l	91
47) Bromodichloromethane	7.73	83	5942	60.99	ug/l #	81
48) Methyl methacrylate	7.50	41	5562	139.92	ug/l	95
49) 1,4-Dioxane	7.47	88	1554	4108.69	ug/l #	74
51) 4-Methyl-2-Pentanone	8.58	43	37744	942.99	ug/l	100
52) Toluene	8.79	92	5656	49.50	ug/l	91
53) t-1,3-Dichloropropene	9.17	75	5859	66.68	ug/l	92
54) cis-1,3-Dichloropropene	8.34	75	5092	58.36	ug/l	93
55) 1,1,2-Trichloroethane	9.43	97	3455	80.48	ug/l #	87
56) Ethyl methacrylate	9.30	69	4956	101.76	ug/l	93
57) 1,3-Dichloropropane	9.65	76	6491	95.16	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.18	63	15201	664.24	ug/l	91
59) 2-Hexanone	9.77	43	30034	944.69	ug/l	100
60) Dibromochloromethane	9.95	129	4824	67.69	ug/l	95
61) 1,2-Dibromoethane	10.08	107	5109	100.43	ug/l	92
64) Tetrachloroethene	9.50	164	2723	39.53	ug/l #	77
65) Chlorobenzene	10.71	112	7685	49.31	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.84	131	3821	56.37	ug/l	96
67) Ethyl Benzene	10.85	91	11555	43.13	ug/l	97
68) m/p-Xylenes	11.00	106	7952	88.88	ug/l	82
69) o-Xylene	11.40	106	4149	47.79	ug/l	93
70) Styrene	11.42	104	7588	52.72	ug/l	94
71) Bromoform	11.59	173	4307	78.03	ug/l #	92
73) Isopropylbenzene	11.77	105	11028	33.44	ug/l	96
74) N-amyl acetate	11.64	43	7687	68.03	ug/l #	93
75) 1,1,1,2,2-Tetrachloroethane	12.07	83	6463	95.99	ug/l	85
76) 1,2,3-Trichloropropane	12.10	75	7320	94.83	ug/l	87
77) Bromobenzene	12.03	156	4257	44.10	ug/l	99
78) n-propylbenzene	12.15	91	12959	32.34	ug/l	95
79) 2-Chlorotoluene	12.21	91	8871	37.13	ug/l	98
80) 1,3,5-Trimethylbenzene	12.32	105	8013	30.78	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.83	75	1397	70.78	ug/l #	71
82) 4-Chlorotoluene	12.32	91	9810	36.31	ug/l	90
83) tert-Butylbenzene	12.57	119	9242	31.53	ug/l	96
84) 1,2,4-Trimethylbenzene	12.62	105	9424	34.05	ug/l	99
85) sec-Butylbenzene	12.75	105	8782	26.22	ug/l	100
86) p-Isopropyltoluene	12.88	119	8160	28.91	ug/l	97
87) 1,3-Dichlorobenzene	12.84	146	7148	43.78	ug/l	94
88) 1,4-Dichlorobenzene	12.92	146	7333	46.62	ug/l	98
89) n-Butylbenzene	13.19	91	7984	29.29	ug/l	97
90) Hexachloroethane	13.40	117	1737	23.03	ug/l	91
91) 1,2-Dichlorobenzene	13.19	146	6663	48.64	ug/l	91
92) 1,2-Dibromo-3-Chloropropan	13.77	75	1659	122.23	ug/l	67

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	5166	45.54	ug/l	97
94) Hexachlorobutadiene	14.43	225	2102	23.49	ug/l	86
95) Naphthalene	14.51	128	12970	80.39	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	4627	45.07	ug/l	90

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

