

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062718\
 Data File : VD059458.D
 Acq On : 27 Jun 2018 21:37
 Operator : VA/AP
 Sample : J3699-02MS
 Misc : 9.81g/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ZER-SB-04-1-2MS

Quant Time: Jun 28 03:00:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	641648	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	856211	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	602338	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	255567	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.02	65	328493	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
35) Dibromofluoromethane	5.55	113	334069	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	
50) Toluene-d8	8.71	98	715319	43.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.74%	
62) 4-Bromofluorobenzene	11.94	95	254847	37.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.16%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.34	85	320987	56.23	ug/l	98
3) Chloromethane	1.48	50	135622	45.65	ug/l	# 86
4) Vinyl Chloride	1.55	62	134203	43.55	ug/l	# 87
5) Bromomethane	1.80	94	68337	65.63	ug/l	93
6) Chloroethane	1.88	64	84487	70.85	ug/l	99
7) Trichlorofluoromethane	2.08	101	303634	68.33	ug/l	100
8) Diethyl Ether	2.34	74	52696	52.41	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	2.56	101	165143	59.80	ug/l	97
10) Methyl Iodide	2.69	142	153833	47.69	ug/l	92
11) Tert butyl alcohol	3.27	59	57261	252.25	ug/l	100
12) 1,1-Dichloroethene	2.55	96	111548	52.76	ug/l	96
13) Acrolein	2.47	56	12861	63.37	ug/l	# 77
14) Allyl chloride	2.92	41	212944	44.00	ug/l	90
15) Acrylonitrile	3.35	53	190750	273.79	ug/l	97
16) Acetone	2.61	43	342873	414.02	ug/l	93
17) Carbon Disulfide	2.75	76	250859	38.74	ug/l	96
18) Methyl Acetate	2.93	43	145006	79.35	ug/l	95
19) Methyl tert-butyl Ether	3.40	73	623250	59.89	ug/l	98
20) Methylene Chloride	3.07	84	135780	59.60	ug/l	91
21) trans-1,2-Dichloroethene	3.38	96	200714	53.69	ug/l	91
22) Diisopropyl ether	4.07	45	1115085	61.24	ug/l	# 76
23) Vinyl Acetate	4.07	43	715653	75.44	ug/l	# 83
24) 1,1-Dichloroethane	3.97	63	628683	60.34	ug/l	98
25) 2-Butanone	4.84	43	516485	297.72	ug/l	99
26) 2,2-Dichloropropane	4.80	77	485409	60.08	ug/l	97
27) cis-1,2-Dichloroethene	4.81	96	320910	51.08	ug/l	92
28) Bromochloromethane	5.15	49	247003	54.68	ug/l	96
29) Tetrahydrofuran	5.19	42	254758	268.47	ug/l	93
30) Chloroform	5.32	83	647105	56.98	ug/l	98
31) Cyclohexane	5.60	56	314504	45.39	ug/l	96
32) 1,1,1-Trichloroethane	5.51	97	507594	55.20	ug/l	93
36) 1,1-Dichloropropene	5.75	75	376502	48.47	ug/l	96
37) Ethyl Acetate	4.93	43	219486	46.40	ug/l	# 95
38) Carbon Tetrachloride	5.73	117	408560	51.02	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	244920	33.25	ug/l	92
40) Benzene	6.02	78	1052061	56.44	ug/l	99
41) Methacrylonitrile	5.13	41	121340	53.26	ug/l	95
42) 1,2-Dichloroethane	6.13	62	446915	54.27	ug/l	96
43) Isopropyl Acetate	7.62	43	257617	43.37	ug/l #	98
44) Trichloroethene	6.99	130	314138	51.47	ug/l	90
45) 1,2-Dichloropropane	7.35	63	289189	56.02	ug/l	93
46) Dibromomethane	7.46	93	198189	53.38	ug/l	96
47) Bromodichloromethane	7.74	83	463435	55.79	ug/l	95
48) Methyl methacrylate	7.51	41	191010	52.78	ug/l	98
49) 1,4-Dioxane	7.49	88	39975	1101.40	ug/l	98
51) 4-Methyl-2-Pentanone	8.60	43	1062638	268.46	ug/l	98
52) Toluene	8.81	92	530233	47.63	ug/l	96
53) t-1,3-Dichloropropene	9.19	75	350837	50.54	ug/l	99
54) cis-1,3-Dichloropropene	8.37	75	421408	52.43	ug/l	99
55) 1,1,2-Trichloroethane	9.46	97	223275	55.25	ug/l	90
56) Ethyl methacrylate	9.32	69	254157	55.11	ug/l	96
57) 1,3-Dichloropropane	9.67	76	368787	55.79	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.20	63	656116	276.36	ug/l	98
59) 2-Hexanone	9.79	43	782038	277.98	ug/l	99
60) Dibromochloromethane	9.96	129	303181	53.57	ug/l	96
61) 1,2-Dibromoethane	10.10	107	224762	49.94	ug/l	99
64) Tetrachloroethene	9.52	164	414762	78.49	ug/l	93
65) Chlorobenzene	10.73	112	576579	52.35	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.86	131	261988	61.97	ug/l	95
67) Ethyl Benzene	10.87	91	975805	52.51	ug/l	100
68) m/p-Xylenes	11.01	106	633163	102.68	ug/l	99
69) o-Xylene	11.41	106	318422	52.23	ug/l	92
70) Styrene	11.44	104	492288	47.11	ug/l	97
71) Bromoform	11.60	173	201564	57.55	ug/l	95
73) Isopropylbenzene	11.78	105	846136	58.67	ug/l	95
74) N-amyl acetate	11.65	43	253939	46.28	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.08	83	223116	65.94	ug/l	89
76) 1,2,3-Trichloropropane	12.12	75	254998	72.34	ug/l	98
77) Bromobenzene	12.05	156	281031	61.91	ug/l	87
78) n-propylbenzene	12.16	91	1011189	55.36	ug/l	95
79) 2-Chlorotoluene	12.22	91	616072	57.43	ug/l	97
80) 1,3,5-Trimethylbenzene	12.32	105	632674	55.10	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	53197	66.39	ug/l	93
82) 4-Chlorotoluene	12.33	91	666012	54.76	ug/l	93
83) tert-Butylbenzene	12.58	119	493106	40.38	ug/l	91
84) 1,2,4-Trimethylbenzene	12.63	105	644569	53.05	ug/l	93
85) sec-Butylbenzene	12.76	105	667679	44.55	ug/l	100
86) p-Isopropyltoluene	12.89	119	555647	46.00	ug/l	97
87) 1,3-Dichlorobenzene	12.84	146	370194	49.57	ug/l	97
88) 1,4-Dichlorobenzene	12.93	146	362576	49.20	ug/l	95
89) n-Butylbenzene	13.20	91	481166	40.36	ug/l	97
90) Hexachloroethane	13.41	117	138778	46.05	ug/l	88
91) 1,2-Dichlorobenzene	13.20	146	345859	54.62	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.78	75	37602	67.40	ug/l	75

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	181034	30.93	ug/l	91
94) Hexachlorobutadiene	14.44	225	86688	19.68	ug/l	95
95) Naphthalene	14.52	128	370163	45.37	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	148906	28.29	ug/l	98

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

