

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062718\
 Data File : VD059459.D
 Acq On : 27 Jun 2018 22:05
 Operator : VA/AP
 Sample : J3699-03MSD
 Misc : 11.33g/5ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Jun 28 03:00:54 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	5.64	168	707935	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.70	114	936152	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	674275	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	261148	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	328125	45.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.64%	
35) Dibromofluoromethane	5.55	113	338253	44.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.72%	
50) Toluene-d8	8.71	98	741761	41.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.22%	
62) 4-Bromofluorobenzene	11.93	95	275193	37.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.22%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.34	85	324837	51.57	ug/l	98
3) Chloromethane	1.48	50	153747	46.91	ug/l	90
4) Vinyl Chloride	1.56	62	156378	45.99	ug/l #	87
5) Bromomethane	1.79	94	80030	69.87	ug/l	92
6) Chloroethane	1.88	64	90920	68.17	ug/l	98
7) Trichlorofluoromethane	2.09	101	305028	62.21	ug/l	99
8) Diethyl Ether	2.34	74	58599	52.82	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.56	101	175502	57.60	ug/l	99
10) Methyl Iodide	2.70	142	175586	49.34	ug/l	98
11) Tert butyl alcohol	3.26	59	61196	244.34	ug/l	99
12) 1,1-Dichloroethene	2.55	96	131007	56.16	ug/l	82
13) Acrolein	2.47	56	2953	13.19	ug/l #	40
14) Allyl chloride	2.92	41	239664	44.89	ug/l	99
15) Acrylonitrile	3.38	53	210216	273.48	ug/l	98
16) Acetone	2.61	43	308757	337.92	ug/l	96
17) Carbon Disulfide	2.76	76	283907	39.74	ug/l	96
18) Methyl Acetate	2.93	43	145712	72.98	ug/l	94
19) Methyl tert-butyl Ether	3.41	73	654300	56.99	ug/l	97
20) Methylene Chloride	3.07	84	148637	59.11	ug/l	95
21) trans-1,2-Dichloroethene	3.39	96	211972	51.39	ug/l	98
22) Diisopropyl ether	4.08	45	1187094	59.09	ug/l #	77
23) Vinyl Acetate	4.08	43	593114	56.67	ug/l #	81
24) 1,1-Dichloroethane	3.98	63	665837	57.92	ug/l	98
25) 2-Butanone	4.83	43	535172	279.60	ug/l	98
26) 2,2-Dichloropropane	4.81	77	518855	58.20	ug/l	98
27) cis-1,2-Dichloroethene	4.81	96	333726	48.15	ug/l	98
28) Bromochloromethane	5.15	49	266966	53.57	ug/l	99
29) Tetrahydrofuran	5.19	42	257243	245.71	ug/l	96
30) Chloroform	5.33	83	684876	54.66	ug/l	96
31) Cyclohexane	5.59	56	355305	46.57	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	539956	53.22	ug/l	94
36) 1,1-Dichloropropene	5.75	75	422331	49.73	ug/l	95
37) Ethyl Acetate	4.92	43	214654	41.51	ug/l	99
38) Carbon Tetrachloride	5.73	117	422136	48.21	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	239917	29.79	ug/l	96
40) Benzene	6.02	78	1127385	55.32	ug/l	100
41) Methacrylonitrile	5.13	41	132157	53.05	ug/l	97
42) 1,2-Dichloroethane	6.13	62	452967	50.30	ug/l	97
43) Isopropyl Acetate	7.62	43	246504	37.95	ug/l #	99
44) Trichloroethene	6.98	130	372819	55.87	ug/l	99
45) 1,2-Dichloropropane	7.35	63	307893	54.55	ug/l	99
46) Dibromomethane	7.46	93	200410	49.37	ug/l	96
47) Bromodichloromethane	7.75	83	495244	54.53	ug/l #	96
48) Methyl methacrylate	7.50	41	195379	49.38	ug/l	97
49) 1,4-Dioxane	7.49	88	40497	1020.50	ug/l	94
51) 4-Methyl-2-Pentanone	8.61	43	1110066	256.49	ug/l	97
52) Toluene	8.80	92	528280	43.40	ug/l	99
53) t-1,3-Dichloropropene	9.19	75	355523	46.84	ug/l	99
54) cis-1,3-Dichloropropene	8.37	75	434734	49.47	ug/l	97
55) 1,1,2-Trichloroethane	9.46	97	220798	49.97	ug/l	96
56) Ethyl methacrylate	9.31	69	237467	47.09	ug/l	96
57) 1,3-Dichloropropane	9.67	76	382139	52.88	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.19	63	651193	250.87	ug/l	95
59) 2-Hexanone	9.79	43	820017	266.59	ug/l	99
60) Dibromochloromethane	9.96	129	311776	50.38	ug/l	94
61) 1,2-Dibromoethane	10.10	107	232391	47.23	ug/l	99
64) Tetrachloroethene	9.52	164	443966	75.06	ug/l	97
65) Chlorobenzene	10.72	112	603382	48.94	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.85	131	269176	56.88	ug/l	97
67) Ethyl Benzene	10.86	91	1061938	51.04	ug/l	97
68) m/p-Xylenes	11.02	106	667905	96.76	ug/l	98
69) o-Xylene	11.41	106	344715	50.51	ug/l	99
70) Styrene	11.43	104	550582	47.07	ug/l	95
71) Bromoform	11.60	173	211516	53.95	ug/l #	96
73) Isopropylbenzene	11.78	105	856740	58.14	ug/l	96
74) N-amyl acetate	11.65	43	259238	46.24	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.08	83	190157	55.00	ug/l	94
76) 1,2,3-Trichloropropane	12.11	75	264239	73.36	ug/l	97
77) Bromobenzene	12.04	156	278552	60.05	ug/l	98
78) n-propylbenzene	12.16	91	1015353	54.40	ug/l	99
79) 2-Chlorotoluene	12.22	91	647040	59.03	ug/l	97
80) 1,3,5-Trimethylbenzene	12.32	105	628669	53.59	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.84	75	56971	69.58	ug/l	93
82) 4-Chlorotoluene	12.33	91	682248	54.89	ug/l	96
83) tert-Butylbenzene	12.57	119	490651	39.32	ug/l	90
84) 1,2,4-Trimethylbenzene	12.62	105	681632	54.90	ug/l	92
85) sec-Butylbenzene	12.76	105	651707	42.56	ug/l	96
86) p-Isopropyltoluene	12.89	119	543572	44.04	ug/l	98
87) 1,3-Dichlorobenzene	12.84	146	384792	50.43	ug/l	95
88) 1,4-Dichlorobenzene	12.93	146	354028	47.01	ug/l	97
89) n-Butylbenzene	13.19	91	448633	36.82	ug/l	97
90) Hexachloroethane	13.40	117	131857	42.82	ug/l	97
91) 1,2-Dichlorobenzene	13.19	146	346907	53.62	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.77	75	39180	68.72	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	154527	25.83	ug/l	94
94) Hexachlorobutadiene	14.43	225	75139	16.69	ug/l	95
95) Naphthalene	14.51	128	340962	40.90	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	127537	23.71	ug/l	99

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

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