

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060818\
 Data File : VD058017.D
 Acq On : 8 Jun 2018 14:52
 Operator : VA/AP
 Sample : J3320-03MSD
 Misc : 5.96g/5ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S39-0177MSD

Quant Time: Jun 08 23:55:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	912914	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	1156082	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	885876	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	346807	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	446190	48.89	ug/l	0.00
Spiked Amount						
			Recovery	=		97.78%
35) Dibromofluoromethane	5.54	113	480722	53.74	ug/l	-0.02
Spiked Amount						
			Recovery	=		107.48%
50) Toluene-d8	8.70	98	1067948	50.22	ug/l	0.00
Spiked Amount						
			Recovery	=		100.44%
62) 4-Bromofluorobenzene	11.93	95	383128	41.30	ug/l	0.00
Spiked Amount						
			Recovery	=		82.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	570123	46.53	ug/l	100
3) Chloromethane	1.48	50	295801	49.02	ug/l	96
4) Vinyl Chloride	1.56	62	313173	53.62	ug/l	98
5) Bromomethane	1.81	94	126074	55.07	ug/l	99
6) Chloroethane	1.89	64	133898	58.10	ug/l	96
7) Trichlorofluoromethane	2.09	101	419933	52.59	ug/l	99
8) Diethyl Ether	2.35	74	88243	59.49	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.56	101	232064	48.73	ug/l	97
10) Methyl Iodide	2.69	142	319674	52.02	ug/l	96
11) Tert butyl alcohol	3.27	59	69841	285.65	ug/l	96
12) 1,1-Dichloroethene	2.55	96	194570	53.14	ug/l	96
13) Acrolein	2.48	56	66550	190.06	ug/l	98
14) Allyl chloride	2.92	41	440284	52.13	ug/l	92
15) Acrylonitrile	3.36	53	347501	242.95	ug/l	99
16) Acetone	2.62	43	432357	328.80	ug/l	98
17) Carbon Disulfide	2.76	76	719919	54.28	ug/l	100
18) Methyl Acetate	2.94	43	165084	64.90	ug/l	100
19) Methyl tert-butyl Ether	3.40	73	826243	51.29	ug/l	99
20) Methylene Chloride	3.07	84	195476	54.60	ug/l	87
21) trans-1,2-Dichloroethene	3.38	96	408948	50.15	ug/l	97
22) Diisopropyl ether	4.07	45	1701939	50.86	ug/l	96
23) Vinyl Acetate	4.01	43	4249001	245.77	ug/l	99
24) 1,1-Dichloroethane	3.97	63	932724	50.72	ug/l	100
25) 2-Butanone	4.83	43	814652	272.61	ug/l	96
26) 2,2-Dichloropropane	4.79	77	758995	50.10	ug/l	93
27) cis-1,2-Dichloroethene	4.80	96	583833	60.36	ug/l	96
28) Bromochloromethane	5.14	49	447120	56.18	ug/l	94
29) Tetrahydrofuran	5.17	42	435693	278.13	ug/l	95
30) Chloroform	5.31	83	945041	51.06	ug/l	98
31) Cyclohexane	5.59	56	729307	45.95	ug/l	100
32) 1,1,1-Trichloroethane	5.50	97	795342	51.32	ug/l	99
36) 1,1-Dichloropropene	5.74	75	667658	52.42	ug/l	97
37) Ethyl Acetate	4.92	43	448371	64.51	ug/l	99
38) Carbon Tetrachloride	5.72	117	672515	53.58	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	548299	43.43	ug/l	98
40) Benzene	6.01	78	1540156	51.76	ug/l	98
41) Methacrylonitrile	5.12	41	189450	59.62	ug/l	96
42) 1,2-Dichloroethane	6.12	62	655545	54.49	ug/l	100
43) Isopropyl Acetate	7.61	43	505053	55.48	ug/l	99
44) Trichloroethene	6.98	130	472195	54.33	ug/l	100
45) 1,2-Dichloropropane	7.34	63	438778	53.06	ug/l	97
46) Dibromomethane	7.46	93	282090	53.10	ug/l	97
47) Bromodichloromethane	7.73	83	668516	53.75	ug/l	96
48) Methyl methacrylate	7.50	41	311226	55.55	ug/l	96
49) 1,4-Dioxane	7.48	88	52552	1132.19	ug/l	99
51) 4-Methyl-2-Pentanone	8.59	43	1626104	278.49	ug/l	98
52) Toluene	8.80	92	854990	50.07	ug/l	100
53) t-1,3-Dichloropropene	9.18	75	574624	53.62	ug/l	96
54) cis-1,3-Dichloropropene	8.35	75	680129	53.87	ug/l	98
55) 1,1,2-Trichloroethane	9.45	97	284405	51.46	ug/l	97
56) Ethyl methacrylate	9.31	69	353626	52.16	ug/l	95
57) 1,3-Dichloropropane	9.65	76	511619	52.78	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.18	63	879304	256.73	ug/l	100
59) 2-Hexanone	9.78	43	1154328	269.77	ug/l	99
60) Dibromochloromethane	9.95	129	415794	53.35	ug/l	96
61) 1,2-Dibromoethane	10.09	107	342043	53.82	ug/l	99
64) Tetrachloroethene	9.51	164	407732	51.48	ug/l	98
65) Chlorobenzene	10.72	112	888566	49.55	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.85	131	360862	52.37	ug/l	98
67) Ethyl Benzene	10.86	91	1611438	49.74	ug/l	99
68) m/p-Xylenes	11.00	106	1010693	95.69	ug/l	97
69) o-Xylene	11.40	106	510722	48.71	ug/l	96
70) Styrene	11.43	104	747659	43.08	ug/l	98
71) Bromoform	11.59	173	278225	53.68	ug/l	99
73) Isopropylbenzene	11.77	105	1444188	62.87	ug/l	97
74) N-amyl acetate	11.64	43	603707	68.11	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.07	83	324298	64.75	ug/l	97
76) 1,2,3-Trichloropropane	12.11	75	344927	66.21	ug/l	100
77) Bromobenzene	12.04	156	398298	58.58	ug/l	84
78) n-propylbenzene	12.14	91	1719341	57.52	ug/l	98
79) 2-Chlorotoluene	12.21	91	977805	57.34	ug/l	94
80) 1,3,5-Trimethylbenzene	12.31	105	1020710	56.98	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.84	75	93299	72.31	ug/l	95
82) 4-Chlorotoluene	12.32	91	1043691	63.81	ug/l	93
83) tert-Butylbenzene	12.57	119	1177397	58.21	ug/l	93
84) 1,2,4-Trimethylbenzene	12.62	105	1092273	56.71	ug/l	97
85) sec-Butylbenzene	12.75	105	1263376	51.75	ug/l	96
86) p-Isopropyltoluene	12.88	119	1009240	51.29	ug/l	95
87) 1,3-Dichlorobenzene	12.83	146	554330	48.20	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	551911	49.25	ug/l	97
89) n-Butylbenzene	13.19	91	876238	49.38	ug/l	99
90) Hexachloroethane	13.39	117	270895	53.94	ug/l	80
91) 1,2-Dichlorobenzene	13.19	146	449460	48.35	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	47386	61.31	ug/l	69

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	227206	26.16	ug/l	96
94) Hexachlorobutadiene	14.43	225	167665	24.55	ug/l	98
95) Naphthalene	14.51	128	342049	30.55	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	170578	23.05	ug/l	97

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

