

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058222.D
 Acq On : 20 Jun 2018 21:01
 Operator : VA/AP
 Sample : J3523-02MS
 Misc : 4.39g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 AREA1(S)MS

Quant Time: Jun 21 01:47:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	613616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	946290	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	604565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	174947	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	324026	52.28	ug/l	0.00
Spiked Amount			Recovery	=	104.56%	
35) Dibromofluoromethane	5.65	113	532	0.07	ug/l	0.10
Spiked Amount			Recovery	=	0.14%	
50) Toluene-d8	8.71	98	774686	41.58	ug/l	0.00
Spiked Amount			Recovery	=	83.16%	
62) 4-Bromofluorobenzene	11.93	95	218187	28.66	ug/l	0.00
Spiked Amount			Recovery	=	57.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.33	85	354607	62.88	ug/l	99
3) Chloromethane	1.48	50	231377	89.88	ug/l	93
4) Vinyl Chloride	1.55	62	203737	63.38	ug/l	96
5) Bromomethane	1.79	94	61005	58.26	ug/l #	81
6) Chloroethane	1.88	64	112676	135.00	ug/l	97
7) Trichlorofluoromethane	2.08	101	276903	62.83	ug/l	92
8) Diethyl Ether	2.34	74	64926	69.65	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.55	101	156403	55.82	ug/l	97
10) Methyl Iodide	2.69	142	131066	41.12	ug/l	98
11) Tert butyl alcohol	3.26	59	51820	253.50	ug/l #	88
12) 1,1-Dichloroethene	2.54	96	224864	106.67	ug/l	99
13) Acrolein	2.42	56	636	5.45	ug/l #	1
14) Allyl chloride	2.92	41	155468	31.69	ug/l	93
15) Acrylonitrile	3.36	53	139646	257.64	ug/l	90
16) Acetone	2.61	43	272200	321.13	ug/l	94
17) Carbon Disulfide	2.75	76	219763	30.64	ug/l	98
18) Methyl Acetate	3.08	43	109340	60.49	ug/l #	65
19) Methyl tert-butyl Ether	3.40	73	399716	71.49	ug/l #	83
20) Methylene Chloride	3.06	84	182704	86.00	ug/l	95
21) trans-1,2-Dichloroethene	3.39	96	123243	53.49	ug/l	98
22) Diisopropyl ether	4.07	45	1508482	77.41	ug/l #	79
23) Vinyl Acetate	4.07	43	641067	61.37	ug/l #	82
24) 1,1-Dichloroethane	3.97	63	849687	80.93	ug/l	97
25) 2-Butanone	4.84	43	539607	292.09	ug/l	98
26) 2,2-Dichloropropane	4.80	77	242916	27.63	ug/l	87
27) cis-1,2-Dichloroethene	4.81	96	373432	64.86	ug/l	90
28) Bromochloromethane	5.14	49	313413	66.59	ug/l	93
29) Tetrahydrofuran	5.19	42	272773	277.40	ug/l	97
30) Chloroform	5.33	83	831522	75.02	ug/l	96
31) Cyclohexane	5.59	56	446830	59.63	ug/l	91
32) 1,1,1-Trichloroethane	5.51	97	617379	67.42	ug/l	95
36) 1,1-Dichloropropene	5.75	75	419796	44.84	ug/l	99
37) Ethyl Acetate	4.84	43	542046	101.63	ug/l #	70
38) Carbon Tetrachloride	5.72	117	429156	46.14	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	393862	43.20	ug/l	98
40) Benzene	6.02	78	1396292	62.62	ug/l	100
41) Methacrylonitrile	5.12	41	136031	52.82	ug/l	96
42) 1,2-Dichloroethane	6.13	62	472693	52.57	ug/l	100
43) Isopropyl Acetate	7.65	43	22656	3.19	ug/l #	48
44) Trichloroethene	6.98	130	623478	93.11	ug/l	98
45) 1,2-Dichloropropane	7.36	63	347607	57.88	ug/l	100
46) Dibromomethane	7.46	93	199921	48.76	ug/l	98
47) Bromodichloromethane	7.75	83	399199	42.70	ug/l	98
48) Methyl methacrylate	7.55	41	17051	3.95	ug/l #	82
49) 1,4-Dioxane	7.49	88	17220	441.40	ug/l #	83
51) 4-Methyl-2-Pentanone	8.61	43	1131191	243.88	ug/l	98
52) Toluene	8.80	92	1021551	80.45	ug/l	97
53) t-1,3-Dichloropropene	9.20	75	213999	26.33	ug/l	96
54) cis-1,3-Dichloropropene	8.37	75	266910	28.01	ug/l	98
55) 1,1,2-Trichloroethane	9.46	97	104172	23.19	ug/l	94
56) Ethyl methacrylate	9.37	69	89196	16.60	ug/l #	1
57) 1,3-Dichloropropane	9.67	76	380067	50.22	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.19	63	676154	254.22	ug/l	98
59) 2-Hexanone	9.79	43	1010451	301.49	ug/l	100
60) Dibromochloromethane	9.96	129	239247	39.24	ug/l	97
61) 1,2-Dibromoethane	10.10	107	203948	41.48	ug/l	96
64) Tetrachloroethene	9.52	164	446579	87.79	ug/l	97
65) Chlorobenzene	10.72	112	617511	54.61	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.85	131	210857	48.32	ug/l	95
67) Ethyl Benzene	10.87	91	4816291	241.24	ug/l	98
68) m/p-Xylenes	11.03	106	5114580	768.20	ug/l	99
69) o-Xylene	11.41	106	1817468	285.81	ug/l	92
70) Styrene	11.44	104	558337	51.46	ug/l	98
71) Bromoform	11.61	173	155932	44.79	ug/l	96
73) Isopropylbenzene	11.78	105	922705	88.18	ug/l	99
74) N-amyl acetate	11.60	43	89524	22.13	ug/l #	52
75) 1,1,2,2-Tetrachloroethane	12.09	83	29299	12.03	ug/l #	39
76) 1,2,3-Trichloropropane	12.12	75	176529	69.11	ug/l	98
77) Bromobenzene	12.04	156	244247	77.95	ug/l	87
78) n-propylbenzene	12.16	91	1118075	82.74	ug/l	98
79) 2-Chlorotoluene	12.22	91	698911	90.38	ug/l	99
80) 1,3,5-Trimethylbenzene	12.33	105	1157433	141.81	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.84	75	10824	17.37	ug/l #	62
82) 4-Chlorotoluene	12.33	91	622428	86.57	ug/l	84
83) tert-Butylbenzene	12.57	119	389741	41.53	ug/l	93
84) 1,2,4-Trimethylbenzene	12.63	105	1832769	206.58	ug/l	99
85) sec-Butylbenzene	12.76	105	594684	54.07	ug/l	97
86) p-Isopropyltoluene	12.89	119	484985	54.41	ug/l	97
87) 1,3-Dichlorobenzene	12.85	146	287359	52.76	ug/l	99
88) 1,4-Dichlorobenzene	12.93	146	271040	50.96	ug/l	97
89) n-Butylbenzene	13.19	91	488768	52.18	ug/l	91
90) Hexachloroethane	13.40	117	126547	54.70	ug/l	59
91) 1,2-Dichlorobenzene	13.19	146	267440	57.70	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.77	75	18467	47.65	ug/l	58

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.35	180	98580	22.24	ug/l	91
94) Hexachlorobutadiene	14.43	225	42017	12.12	ug/l	92
95) Naphthalene	14.52	128	482708	82.67	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	85232	21.96	ug/l #	90

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

