

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062318\
 Data File : VD058354.D
 Acq On : 23 Jun 2018 21:28
 Operator : VA/AP
 Sample : J3671-05MSD
 Misc : 6.15g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB478-15-17-180621MSD

Quant Time: Jun 25 01:12:22 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	5.67	168	920471	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	6.71	114	1235884	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.70	117	953643	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	493019	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	539989	58.08	ug/l	0.03
Spiked Amount	50.000		Recovery	=	116.16%	
35) Dibromofluoromethane	5.57	113	548586	54.54	ug/l	0.02
Spiked Amount	50.000		Recovery	=	109.08%	
50) Toluene-d8	8.72	98	1291783	53.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.16%	
62) 4-Bromofluorobenzene	11.94	95	553768	55.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.40%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.35	85	444312	51.78	ug/l	99
3) Chloromethane	1.50	50	249090	63.16	ug/l	95
4) Vinyl Chloride	1.57	62	599574	124.34	ug/l	96
5) Bromomethane	1.82	94	98908	64.55	ug/l	95
6) Chloroethane	1.90	64	127472	79.56	ug/l	88
7) Trichlorofluoromethane	2.10	101	387913	58.67	ug/l	98
8) Diethyl Ether	2.36	74	82481	58.98	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.58	101	238216	56.68	ug/l	95
10) Methyl Iodide	2.71	142	263776	55.17	ug/l	95
11) Tert butyl alcohol	3.28	59	79427	259.02	ug/l #	90
12) 1,1-Dichloroethene	2.57	96	181707	57.46	ug/l	97
13) Acrolein	2.49	56	18455	105.43	ug/l	94
14) Allyl chloride	2.94	41	421830	57.31	ug/l #	95
15) Acrylonitrile	3.38	53	355690	437.46	ug/l	91
16) Acetone	2.63	43	431650	339.48	ug/l #	90
17) Carbon Disulfide	2.77	76	547121	50.85	ug/l	97
18) Methyl Acetate	2.96	43	182115	67.16	ug/l	98
19) Methyl tert-butyl Ether	3.42	73	878634	104.75	ug/l	99
20) Methylene Chloride	3.09	84	211729	65.24	ug/l	98
21) trans-1,2-Dichloroethene	3.41	96	414951	120.06	ug/l	88
22) Diisopropyl ether	4.09	45	1567089	53.61	ug/l	99
23) Vinyl Acetate	4.04	43	3130511	199.77	ug/l	99
24) 1,1-Dichloroethane	4.00	63	960334	60.98	ug/l	98
25) 2-Butanone	4.86	43	611387	220.62	ug/l	95
26) 2,2-Dichloropropane	4.82	77	585063	44.37	ug/l #	34
27) cis-1,2-Dichloroethene	4.83	96	4635294	536.70	ug/l	99
28) Bromochloromethane	5.16	49	398733	56.48	ug/l	96
29) Tetrahydrofuran	5.20	42	392773	266.27	ug/l	99
30) Chloroform	5.34	83	908635	54.65	ug/l	97
31) Cyclohexane	5.62	56	621277	54.84	ug/l	98
32) 1,1,1-Trichloroethane	5.53	97	773871	56.33	ug/l	98
36) 1,1-Dichloropropene	5.77	75	601214	49.17	ug/l	97
37) Ethyl Acetate	4.95	43	359028	51.54	ug/l #	41
38) Carbon Tetrachloride	5.75	117	641180	52.78	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	563345	47.31	ug/l	99
40) Benzene	6.03	78	1498963	51.47	ug/l	99
41) Methacrylonitrile	5.14	41	188443	56.02	ug/l	94
42) 1,2-Dichloroethane	6.15	62	633569	53.95	ug/l	100
43) Isopropyl Acetate	7.64	43	436782	47.03	ug/l	94
44) Trichloroethene	7.00	130	1435481	164.14	ug/l	98
45) 1,2-Dichloropropane	7.37	63	404876	51.62	ug/l	96
46) Dibromomethane	7.48	93	275696	51.49	ug/l	99
47) Bromodichloromethane	7.75	83	657110	53.82	ug/l	99
48) Methyl methacrylate	7.52	41	298385	52.86	ug/l	97
49) 1,4-Dioxane	7.51	88	40257	790.11	ug/l #	82
51) 4-Methyl-2-Pentanone	8.61	43	1543426	254.79	ug/l	100
52) Toluene	8.82	92	880533	53.10	ug/l	97
53) t-1,3-Dichloropropene	9.20	75	558859	52.64	ug/l	98
54) cis-1,3-Dichloropropene	8.37	75	637828	51.25	ug/l	97
55) 1,1,2-Trichloroethane	9.47	97	300298	51.18	ug/l	96
56) Ethyl methacrylate	9.33	69	361996	51.59	ug/l	97
57) 1,3-Dichloropropane	9.67	76	496941	50.28	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.21	63	955274	275.00	ug/l	93
59) 2-Hexanone	9.80	43	1170640	267.44	ug/l	98
60) Dibromochloromethane	9.97	129	436660	54.84	ug/l	97
61) 1,2-Dibromoethane	10.11	107	328761	51.20	ug/l	98
64) Tetrachloroethene	9.53	164	452523	56.40	ug/l	95
65) Chlorobenzene	10.74	112	1064950	59.70	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.85	131	372359	54.09	ug/l	97
67) Ethyl Benzene	10.86	91	1656977	52.61	ug/l	99
68) m/p-Xylenes	11.02	106	1138575	108.41	ug/l	99
69) o-Xylene	11.42	106	538290	53.66	ug/l	97
70) Styrene	11.44	104	906403	52.96	ug/l	97
71) Bromoform	11.60	173	318332	57.97	ug/l #	97
73) Isopropylbenzene	11.78	105	1564184	53.04	ug/l	98
74) N-amyl acetate	11.65	43	474573	41.62	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.09	83	364823	53.16	ug/l	96
76) 1,2,3-Trichloropropane	12.11	75	370668	51.49	ug/l	100
77) Bromobenzene	12.05	156	484565	54.87	ug/l	88
78) n-propylbenzene	12.16	91	1979756	51.99	ug/l	97
79) 2-Chlorotoluene	12.22	91	1191375	54.67	ug/l	97
80) 1,3,5-Trimethylbenzene	12.32	105	1217663	52.94	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.85	75	90982	51.82	ug/l	90
82) 4-Chlorotoluene	12.33	91	1251317	60.01	ug/l	97
83) tert-Butylbenzene	12.58	119	1390588	52.59	ug/l	92
84) 1,2,4-Trimethylbenzene	12.63	105	1327678	53.10	ug/l	97
85) sec-Butylbenzene	12.76	105	1627065	52.49	ug/l	98
86) p-Isopropyltoluene	12.89	119	1308558	52.09	ug/l	97
87) 1,3-Dichlorobenzene	12.84	146	785179	51.16	ug/l	96
88) 1,4-Dichlorobenzene	12.93	146	784282	52.33	ug/l	96
89) n-Butylbenzene	13.20	91	1305510	49.45	ug/l	97
90) Hexachloroethane	13.40	117	348280	53.42	ug/l	77
91) 1,2-Dichlorobenzene	13.20	146	671096	51.38	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.78	75	61377	56.20	ug/l	72

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	624910	50.02	ug/l	98
94) Hexachlorobutadiene	14.44	225	459555	47.03	ug/l	97
95) Naphthalene	14.52	128	843647	51.27	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	520132	47.56	ug/l	97

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

