

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058208.D
 Acq On : 20 Jun 2018 14:23
 Operator : VA/AP
 Sample : VD0620SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS02

Quant Time: Jun 21 01:44:53 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	5.65	168	965727	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.69	114	1229323	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	1012941	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.91	152	517078	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	492132	50.45	ug/l	0.01
Spiked Amount 50.000			Recovery =	100.90%		
35) Dibromofluoromethane	5.55	113	507123	50.68	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.36%		
50) Toluene-d8	8.71	98	1221582	50.47	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.94%		
62) 4-Bromofluorobenzene	11.94	95	505243	51.09	ug/l	0.01
Spiked Amount 50.000			Recovery =	102.18%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	245827	25.15	ug/l	96
3) Chloromethane	1.48	50	114570	25.01	ug/l	99
4) Vinyl Chloride	1.55	62	117035	23.13	ug/l	100
5) Bromomethane	1.79	94	38081	19.96	ug/l	100
6) Chloroethane	1.88	64	39608	20.06	ug/l	90
7) Trichlorofluoromethane	2.07	101	150827	21.74	ug/l	95
8) Diethyl Ether	2.34	74	30096	20.51	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.55	101	101447	23.01	ug/l	93
10) Methyl Iodide	2.69	142	116344	23.19	ug/l	98
11) Tert butyl alcohol	3.28	59	27904	86.73	ug/l #	93
12) 1,1-Dichloroethene	2.54	96	75146	22.65	ug/l	96
13) Acrolein	2.47	56	24139	131.43	ug/l	95
14) Allyl chloride	2.92	41	171363	22.19	ug/l	98
15) Acrylonitrile	3.36	53	81282	95.28	ug/l	88
16) Acetone	2.61	43	144382	108.23	ug/l #	92
17) Carbon Disulfide	2.75	76	258617	22.91	ug/l	98
18) Methyl Acetate	2.93	43	51892	18.24	ug/l	96
19) Methyl tert-butyl Ether	3.42	73	236315	26.85	ug/l	98
20) Methylene Chloride	3.07	84	83620	21.27	ug/l	87
21) trans-1,2-Dichloroethene	3.38	96	91600	25.26	ug/l	86
22) Diisopropyl ether	4.07	45	644928	21.03	ug/l	99
23) Vinyl Acetate	4.02	43	1793888	109.11	ug/l	100
24) 1,1-Dichloroethane	3.97	63	380397	23.02	ug/l	97
25) 2-Butanone	4.84	43	293954	101.10	ug/l	99
26) 2,2-Dichloropropane	4.80	77	323159	23.36	ug/l	100
27) cis-1,2-Dichloroethene	4.81	96	210779	23.26	ug/l	95
28) Bromochloromethane	5.15	49	159640	21.55	ug/l #	95
29) Tetrahydrofuran	5.20	42	154703	99.96	ug/l	99
30) Chloroform	5.32	83	383022	21.96	ug/l	96
31) Cyclohexane	5.59	56	315108	23.50	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	324917	22.54	ug/l	98
36) 1,1-Dichloropropene	5.75	75	282470	23.23	ug/l	97
37) Ethyl Acetate	4.93	43	147064	21.22	ug/l	96
38) Carbon Tetrachloride	5.73	117	284683	23.56	ug/l	99

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39) Methylcyclohexane	7.28	83	279810	23.62	ug/l	98
40) Benzene	6.01	78	633156	21.86	ug/l	99
41) Methacrylonitrile	5.13	41	70899	21.19	ug/l	97
42) 1,2-Dichloroethane	6.13	62	257330	22.03	ug/l	98
43) Isopropyl Acetate	7.63	43	187307	20.28	ug/l #	96
44) Trichloroethene	6.99	130	195570	22.48	ug/l	95
45) 1,2-Dichloropropane	7.35	63	173077	22.18	ug/l	94
46) Dibromomethane	7.47	93	117340	22.03	ug/l	97
47) Bromodichloromethane	7.75	83	265917	21.89	ug/l	98
48) Methyl methacrylate	7.51	41	116116	20.68	ug/l	89
49) 1,4-Dioxane	7.50	88	19503	384.82	ug/l #	66
51) 4-Methyl-2-Pentanone	8.60	43	610207	101.27	ug/l	98
52) Toluene	8.81	92	378887	22.97	ug/l	99
53) t-1,3-Dichloropropene	9.19	75	234038	22.16	ug/l	99
54) cis-1,3-Dichloropropene	8.37	75	266657	21.54	ug/l	96
55) 1,1,2-Trichloroethane	9.46	97	125942	21.58	ug/l	93
56) Ethyl methacrylate	9.32	69	151629	21.72	ug/l	98
57) 1,3-Dichloropropane	9.66	76	211620	21.53	ug/l	89
58) 2-Chloroethyl Vinyl ether	8.19	63	381241	110.34	ug/l	96
59) 2-Hexanone	9.79	43	468281	107.55	ug/l	95
60) Dibromochloromethane	9.96	129	169082	21.35	ug/l	98
61) 1,2-Dibromoethane	10.10	107	141546	22.16	ug/l	95
64) Tetrachloroethene	9.52	164	181345	21.28	ug/l	99
65) Chlorobenzene	10.73	112	427041	22.54	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.86	131	153027	20.93	ug/l	100
67) Ethyl Benzene	10.87	91	715611	21.39	ug/l	98
68) m/p-Xylenes	11.01	106	506380	45.39	ug/l	99
69) o-Xylene	11.41	106	243305	22.84	ug/l	96
70) Styrene	11.44	104	416427	22.90	ug/l	99
71) Bromoform	11.60	173	114800	19.68	ug/l	99
73) Isopropylbenzene	11.78	105	697827	22.56	ug/l	99
74) N-amyl acetate	11.65	43	238026	19.90	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.08	83	146666	20.38	ug/l	98
76) 1,2,3-Trichloropropane	12.12	75	159051	21.07	ug/l	96
77) Bromobenzene	12.05	156	200265	21.62	ug/l	94
78) n-propylbenzene	12.16	91	934016	23.38	ug/l	97
79) 2-Chlorotoluene	12.21	91	529146	23.15	ug/l	96
80) 1,3,5-Trimethylbenzene	12.32	105	571024	23.67	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.85	75	38526	20.92	ug/l #	79
82) 4-Chlorotoluene	12.33	91	593593	23.80	ug/l	98
83) tert-Butylbenzene	12.58	119	619692	22.34	ug/l	98
84) 1,2,4-Trimethylbenzene	12.63	105	592408	22.59	ug/l	99
85) sec-Butylbenzene	12.76	105	742150	22.83	ug/l	99
86) p-Isopropyltoluene	12.88	119	604419	22.94	ug/l	100
87) 1,3-Dichlorobenzene	12.84	146	359501	22.33	ug/l	99
88) 1,4-Dichlorobenzene	12.93	146	352759	22.44	ug/l	100
89) n-Butylbenzene	13.20	91	648715	23.43	ug/l	96
90) Hexachloroethane	13.41	117	157016	22.96	ug/l	91
91) 1,2-Dichlorobenzene	13.20	146	305124	22.27	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.78	75	23579	20.58	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	284628	21.72	ug/l	97
94) Hexachlorobutadiene	14.44	225	229488	22.39	ug/l	97
95) Naphthalene	14.52	128	364542	21.12	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	236603	20.63	ug/l	98

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

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