

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058206.D
 Acq On : 20 Jun 2018 13:15
 Operator : VA/AP
 Sample : VD0620SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS01

Quant Time: Jun 21 01:44:01 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	37430	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.70	114	53574	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.70	117	50652	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.92	152	31373	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	28023	74.12	ug/l	0.01
Spiked Amount			Recovery	=	148.24%	
35) Dibromofluoromethane	5.55	113	25550	58.60	ug/l	0.00
Spiked Amount			Recovery	=	117.20%	
50) Toluene-d8	8.71	98	59874	56.76	ug/l	0.00
Spiked Amount			Recovery	=	113.52%	
62) 4-Bromofluorobenzene	11.94	95	30088	69.82	ug/l	0.01
Spiked Amount			Recovery	=	139.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	7443	18.65	ug/l	93
3) Chloromethane	1.48	50	5535	32.35	ug/l #	86
4) Vinyl Chloride	1.56	62	3559	18.15	ug/l #	83
5) Bromomethane	1.82	94	2628	38.09	ug/l #	68
6) Chloroethane	1.90	64	2515	33.36	ug/l	90
7) Trichlorofluoromethane	2.09	101	5745	21.37	ug/l	93
8) Diethyl Ether	2.34	74	1360	23.92	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.57	101	2615	15.30	ug/l #	91
10) Methyl Iodide	2.71	142	3929	20.21	ug/l #	74
11) Tert butyl alcohol	3.24	59	5070	406.59	ug/l #	66
12) 1,1-Dichloroethene	2.56	96	2888	22.46	ug/l #	35
13) Acrolein	2.47	56	3239	455.02	ug/l	82
14) Allyl chloride	2.92	41	9436	31.53	ug/l	85
15) Acrylonitrile	3.37	53	14523	439.25	ug/l #	78
16) Acetone	2.62	43	25740	497.83	ug/l #	90
17) Carbon Disulfide	2.77	76	8333	19.05	ug/l #	68
18) Methyl Acetate	2.95	43	8742	79.28	ug/l #	65
19) Methyl tert-butyl Ether	3.41	73	17904	52.49	ug/l	92
20) Methylene Chloride	3.08	84	3838	26.16	ug/l #	76
21) trans-1,2-Dichloroethene	3.41	96	5129	36.49	ug/l #	62
22) Diisopropyl ether	4.07	45	29295	24.64	ug/l #	86
23) Vinyl Acetate	4.02	43	83042	130.32	ug/l	96
24) 1,1-Dichloroethane	3.98	63	16327	25.49	ug/l #	90
25) 2-Butanone	4.85	43	48948	434.36	ug/l	94
26) 2,2-Dichloropropane	4.80	77	9952	18.56	ug/l	94
27) cis-1,2-Dichloroethene	4.81	96	8263	23.53	ug/l	94
28) Bromochloromethane	5.15	49	8418	29.32	ug/l	98
29) Tetrahydrofuran	5.20	42	25715	428.71	ug/l	89
30) Chloroform	5.33	83	15238	22.54	ug/l	90
31) Cyclohexane	5.60	56	9849	17.82	ug/l #	68
32) 1,1,1-Trichloroethane	5.52	97	9853	17.64	ug/l #	80
36) 1,1-Dichloropropene	5.76	75	10312	19.46	ug/l #	86
37) Ethyl Acetate	4.93	43	22967	76.06	ug/l #	84
38) Carbon Tetrachloride	5.74	117	8636	16.40	ug/l #	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.29	83	8503	16.47	ug/l #	91
40) Benzene	6.02	78	25418	20.13	ug/l	99
41) Methacrylonitrile	5.14	41	6521	44.72	ug/l #	82
42) 1,2-Dichloroethane	6.13	62	13387	26.30	ug/l	92
43) Isopropyl Acetate	7.63	43	24781	61.56	ug/l #	92
44) Trichloroethene	6.99	130	7393	19.50	ug/l	89
45) 1,2-Dichloropropane	7.36	63	7934	23.34	ug/l #	81
46) Dibromomethane	7.47	93	6725	28.97	ug/l	91
47) Bromodichloromethane	7.75	83	10937	20.66	ug/l	99
48) Methyl methacrylate	7.52	41	11381	46.51	ug/l	95
49) 1,4-Dioxane	7.51	88	3946	1786.60	ug/l	86
51) 4-Methyl-2-Pentanone	8.60	43	79122	301.31	ug/l	97
52) Toluene	8.81	92	16996	23.64	ug/l	99
53) t-1,3-Dichloropropene	9.19	75	10471	22.75	ug/l #	73
54) cis-1,3-Dichloropropene	8.37	75	11141	20.65	ug/l #	85
55) 1,1,2-Trichloroethane	9.46	97	8270	32.52	ug/l #	85
56) Ethyl methacrylate	9.32	69	9565	31.45	ug/l	94
57) 1,3-Dichloropropane	9.68	76	13291	31.02	ug/l	89
58) 2-Chloroethyl Vinyl ether	8.20	63	26274	174.48	ug/l #	90
59) 2-Hexanone	9.79	43	66299	349.41	ug/l	88
60) Dibromochloromethane	9.97	129	7260	21.03	ug/l	74
61) 1,2-Dibromoethane	10.10	107	9597	34.48	ug/l #	76
64) Tetrachloroethene	9.52	164	7870	18.47	ug/l #	86
65) Chlorobenzene	10.73	112	19641	20.73	ug/l #	87
66) 1,1,1,2-Tetrachloroethane	10.86	131	6655	18.20	ug/l	97
67) Ethyl Benzene	10.87	91	33730	20.16	ug/l	99
68) m/p-Xylenes	11.02	106	23852	42.76	ug/l	96
69) o-Xylene	11.41	106	12056	22.63	ug/l	72
70) Styrene	11.44	104	20326	22.36	ug/l	98
71) Bromoform	11.61	173	6849	23.48	ug/l #	94
73) Isopropylbenzene	11.78	105	28929	15.42	ug/l	98
74) N-amyl acetate	11.65	43	21905	30.19	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.08	83	13955	31.96	ug/l	99
76) 1,2,3-Trichloropropane	12.12	75	15834	34.57	ug/l	94
77) Bromobenzene	12.05	156	10409	18.52	ug/l	72
78) n-propylbenzene	12.16	91	37901	15.64	ug/l	95
79) 2-Chlorotoluene	12.23	91	25616	18.47	ug/l	96
80) 1,3,5-Trimethylbenzene	12.32	105	24561	16.78	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.85	75	3067	27.45	ug/l #	75
82) 4-Chlorotoluene	12.33	91	30796	19.47	ug/l	97
83) tert-Butylbenzene	12.58	119	26917	16.00	ug/l	91
84) 1,2,4-Trimethylbenzene	12.63	105	25909	16.28	ug/l	96
85) sec-Butylbenzene	12.76	105	29615	15.01	ug/l	97
86) p-Isopropyltoluene	12.90	119	24094	15.07	ug/l	97
87) 1,3-Dichlorobenzene	12.85	146	20565	21.06	ug/l	94
88) 1,4-Dichlorobenzene	12.93	146	19186	20.12	ug/l	90
89) n-Butylbenzene	13.20	91	27386	16.30	ug/l	92
90) Hexachloroethane	13.41	117	4977	12.00	ug/l	69
91) 1,2-Dichlorobenzene	13.20	146	18078	21.75	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.78	75	2647	38.09	ug/l	69

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	14951	18.81	ug/l	91
94) Hexachlorobutadiene	14.44	225	8012	12.89	ug/l	90
95) Naphthalene	14.52	128	29012	27.71	ug/l	97
96) 1,2,3-Trichlorobenzene	14.67	180	13895	19.97	ug/l	94

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

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