

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
 Data File : VD058271.D
 Acq On : 22 Jun 2018 1:59
 Operator : VA/AP
 Sample : VD0621SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBS02

Quant Time: Jun 22 06:18:55 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	925035	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.69	114	1203928	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	983789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	490146	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	520098	55.66	ug/l	0.01
Spiked Amount			Recovery	=	111.32%	
35) Dibromofluoromethane	5.56	113	523814	53.46	ug/l	0.01
Spiked Amount			Recovery	=	106.92%	
50) Toluene-d8	8.71	98	1230808	51.92	ug/l	0.00
Spiked Amount			Recovery	=	103.84%	
62) 4-Bromofluorobenzene	11.93	95	509115	52.57	ug/l	0.00
Spiked Amount			Recovery	=	105.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	240372	25.77	ug/l	97
3) Chloromethane	1.49	50	104722	23.65	ug/l	94
4) Vinyl Chloride	1.56	62	100573	20.75	ug/l	95
5) Bromomethane	1.80	94	34897	19.03	ug/l	90
6) Chloroethane	1.88	64	34711	18.38	ug/l	90
7) Trichlorofluoromethane	2.08	101	142927	21.51	ug/l	95
8) Diethyl Ether	2.35	74	30281	21.55	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.56	101	89386	21.16	ug/l	95
10) Methyl Iodide	2.69	142	98480	20.50	ug/l	97
11) Tert butyl alcohol	3.28	59	27750	90.05	ug/l	98
12) 1,1-Dichloroethene	2.55	96	67163	21.13	ug/l	90
13) Acrolein	2.48	56	17151	97.49	ug/l	86
14) Allyl chloride	2.92	41	156761	21.19	ug/l	96
15) Acrylonitrile	3.35	53	95631	117.03	ug/l	93
16) Acetone	2.62	43	121329	94.95	ug/l	# 90
17) Carbon Disulfide	2.75	76	213580	19.75	ug/l	97
18) Methyl Acetate	2.94	43	52816	19.38	ug/l	100
19) Methyl tert-butyl Ether	3.42	73	273973	32.50	ug/l	100
20) Methylene Chloride	3.07	84	77237	20.33	ug/l	94
21) trans-1,2-Dichloroethene	3.38	96	93501	26.92	ug/l	95
22) Diisopropyl ether	4.08	45	636307	21.66	ug/l	98
23) Vinyl Acetate	4.02	43	1675975	106.42	ug/l	99
24) 1,1-Dichloroethane	3.97	63	381537	24.11	ug/l	96
25) 2-Butanone	4.84	43	286458	102.86	ug/l	99
26) 2,2-Dichloropropane	4.80	77	268779	20.28	ug/l	98
27) cis-1,2-Dichloroethene	4.81	96	210588	24.26	ug/l	92
28) Bromochloromethane	5.16	49	157773	22.24	ug/l	# 93
29) Tetrahydrofuran	5.20	42	164266	110.81	ug/l	97
30) Chloroform	5.33	83	384381	23.00	ug/l	97
31) Cyclohexane	5.60	56	281288	21.50	ug/l	99
32) 1,1,1-Trichloroethane	5.52	97	304177	22.03	ug/l	94
36) 1,1-Dichloropropene	5.75	75	271506	22.80	ug/l	94
37) Ethyl Acetate	4.94	43	146500	21.59	ug/l	97
38) Carbon Tetrachloride	5.73	117	261097	22.06	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	264301	22.78	ug/l	97
40) Benzene	6.02	78	646075	22.77	ug/l	99
41) Methacrylonitrile	5.14	41	67545	20.61	ug/l	98
42) 1,2-Dichloroethane	6.13	62	249185	21.78	ug/l	100
43) Isopropyl Acetate	7.63	43	190034	21.01	ug/l	99
44) Trichloroethene	6.99	130	195054	22.90	ug/l	99
45) 1,2-Dichloropropane	7.35	63	167345	21.90	ug/l	97
46) Dibromomethane	7.47	93	122403	23.47	ug/l	100
47) Bromodichloromethane	7.74	83	263296	22.14	ug/l	99
48) Methyl methacrylate	7.51	41	115591	21.02	ug/l	98
49) 1,4-Dioxane	7.50	88	21212	427.37	ug/l #	90
51) 4-Methyl-2-Pentanone	8.60	43	654013	110.83	ug/l	98
52) Toluene	8.81	92	376442	23.30	ug/l	97
53) t-1,3-Dichloropropene	9.19	75	228496	22.10	ug/l	95
54) cis-1,3-Dichloropropene	8.37	75	260516	21.49	ug/l	92
55) 1,1,2-Trichloroethane	9.46	97	125797	22.01	ug/l	96
56) Ethyl methacrylate	9.32	69	152756	22.35	ug/l	98
57) 1,3-Dichloropropane	9.67	76	216979	22.54	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.19	63	389456	115.09	ug/l	98
59) 2-Hexanone	9.79	43	467037	109.53	ug/l	97
60) Dibromochloromethane	9.96	129	167596	21.61	ug/l	99
61) 1,2-Dibromoethane	10.10	107	142752	22.82	ug/l	94
64) Tetrachloroethene	9.52	164	202160	24.42	ug/l	95
65) Chlorobenzene	10.73	112	422637	22.97	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.86	131	159562	22.47	ug/l	95
67) Ethyl Benzene	10.87	91	754960	23.24	ug/l	99
68) m/p-Xylenes	11.01	106	482171	44.50	ug/l	100
69) o-Xylene	11.41	106	238715	23.07	ug/l	86
70) Styrene	11.44	104	391311	22.16	ug/l	98
71) Bromoform	11.60	173	113357	20.01	ug/l	91
73) Isopropylbenzene	11.77	105	673600	22.98	ug/l	99
74) N-amyl acetate	11.65	43	252545	22.28	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.08	83	160562	23.53	ug/l	98
76) 1,2,3-Trichloropropane	12.12	75	152302	21.28	ug/l	100
77) Bromobenzene	12.05	156	202616	23.08	ug/l	98
78) n-propylbenzene	12.16	91	853168	22.53	ug/l	99
79) 2-Chlorotoluene	12.21	91	486357	22.45	ug/l	96
80) 1,3,5-Trimethylbenzene	12.32	105	534246	23.36	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	35013	20.06	ug/l	86
82) 4-Chlorotoluene	12.33	91	565061	23.93	ug/l	99
83) tert-Butylbenzene	12.58	119	602335	22.91	ug/l	100
84) 1,2,4-Trimethylbenzene	12.63	105	557320	22.42	ug/l	98
85) sec-Butylbenzene	12.76	105	690564	22.41	ug/l	99
86) p-Isopropyltoluene	12.88	119	543253	21.75	ug/l	99
87) 1,3-Dichlorobenzene	12.84	146	351704	23.05	ug/l	98
88) 1,4-Dichlorobenzene	12.93	146	334322	22.44	ug/l	99
89) n-Butylbenzene	13.20	91	603935	23.01	ug/l	97
90) Hexachloroethane	13.41	117	138645	21.39	ug/l	92
91) 1,2-Dichlorobenzene	13.20	146	294202	22.66	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.78	75	24411	22.48	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	262649	21.15	ug/l	97
94) Hexachlorobutadiene	14.44	225	208075	21.42	ug/l	98
95) Naphthalene	14.52	128	362862	22.18	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	230818	21.23	ug/l	97

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

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