

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080818\
 Data File : VD059710.D
 Acq On : 8 Aug 2018 13:49
 Operator : VA/AP
 Sample : VD0808SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS01

Quant Time: Aug 08 14:21:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 08 02:03:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	228643	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.70	114	276164	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.69	117	237481	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	126164	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	164804	56.03	ug/l	0.02
Spiked Amount			Recovery	=	112.06%	
35) Dibromofluoromethane	5.54	113	137622	55.48	ug/l	0.02
Spiked Amount			Recovery	=	110.96%	
50) Toluene-d8	8.71	98	306254	56.72	ug/l	0.02
Spiked Amount			Recovery	=	113.44%	
62) 4-Bromofluorobenzene	11.93	95	137705	55.26	ug/l	0.00
Spiked Amount			Recovery	=	110.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	51880	16.17	ug/l	99
3) Chloromethane	1.48	50	25339	17.72	ug/l #	88
4) Vinyl Chloride	1.55	62	30364	18.18	ug/l	90
5) Bromomethane	1.79	94	9652	17.57	ug/l	97
6) Chloroethane	1.88	64	10656	15.70	ug/l #	82
7) Trichlorofluoromethane	2.08	101	51318	18.86	ug/l	99
8) Diethyl Ether	2.35	74	10144	20.35	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	2.55	101	31871	20.73	ug/l	96
10) Methyl Iodide	2.69	142	35429	20.05	ug/l	93
11) Tert butyl alcohol	3.27	59	10706	100.04	ug/l #	76
12) 1,1-Dichloroethene	2.54	96	22707	20.22	ug/l	98
13) Acrolein	2.48	56	8821	87.75	ug/l	94
14) Allyl chloride	2.92	41	53808	20.94	ug/l	93
15) Acrylonitrile	3.36	53	30463	102.62	ug/l #	94
16) Acetone	2.61	43	50080	90.64	ug/l	98
17) Carbon Disulfide	2.75	76	78494	19.35	ug/l #	93
18) Methyl Acetate	2.93	43	19373	18.98	ug/l #	88
19) Methyl tert-butyl Ether	3.41	73	105086	24.52	ug/l	99
20) Methylene Chloride	3.07	84	37296	18.10	ug/l	89
21) trans-1,2-Dichloroethene	3.38	96	34422	23.42	ug/l	89
22) Diisopropyl ether	4.07	45	124317	20.57	ug/l	90
23) Vinyl Acetate	4.02	43	401825	104.85	ug/l	98
24) 1,1-Dichloroethane	3.97	63	77270	19.31	ug/l	99
25) 2-Butanone	4.85	43	63739	87.83	ug/l	94
26) 2,2-Dichloropropane	4.80	77	85745	20.07	ug/l	99
27) cis-1,2-Dichloroethene	4.81	96	40851	19.14	ug/l	93
28) Bromochloromethane	5.15	49	29485	19.96	ug/l	91
29) Tetrahydrofuran	5.18	42	28451	101.24	ug/l	94
30) Chloroform	5.33	83	91362	18.73	ug/l	99
31) Cyclohexane	5.59	56	50831	17.32	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	89479	18.86	ug/l	95
36) 1,1-Dichloropropene	5.74	75	63001	20.52	ug/l	96
37) Ethyl Acetate	4.92	43	30331	20.35	ug/l #	95
38) Carbon Tetrachloride	5.73	117	83920	20.42	ug/l	99

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

39) Methylcyclohexane	7.29	83	47497	18.31	ug/l	94
40) Benzene	6.02	78	117117	19.67	ug/l	99
41) Methacrylonitrile	5.13	41	14414	20.68	ug/l	94
42) 1,2-Dichloroethane	6.13	62	77313	21.00	ug/l	96
43) Isopropyl Acetate	7.62	43	38922	19.98	ug/l	96
44) Trichloroethene	6.98	130	42815	19.68	ug/l	91
45) 1,2-Dichloropropane	7.34	63	31159	19.82	ug/l	93
46) Dibromomethane	7.46	93	24661	18.10	ug/l	91
47) Bromodichloromethane	7.75	83	69029	19.89	ug/l	98
48) Methyl methacrylate	7.50	41	26889	20.91	ug/l	93
49) 1,4-Dioxane	7.50	88	3907	375.46	ug/l #	76
51) 4-Methyl-2-Pentanone	8.60	43	133159	93.71	ug/l	99
52) Toluene	8.80	92	78095	20.56	ug/l	95
53) t-1,3-Dichloropropene	9.18	75	61918	21.09	ug/l	96
54) cis-1,3-Dichloropropene	8.36	75	60905	20.14	ug/l	93
55) 1,1,2-Trichloroethane	9.46	97	29528	20.24	ug/l	93
56) Ethyl methacrylate	9.31	69	34824	21.63	ug/l	93
57) 1,3-Dichloropropane	9.67	76	44353	19.59	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.19	63	89395	116.57	ug/l	97
59) 2-Hexanone	9.78	43	100080	93.79	ug/l	97
60) Dibromochloromethane	9.96	129	48097	20.75	ug/l	93
61) 1,2-Dibromoethane	10.10	107	33360	19.89	ug/l	98
64) Tetrachloroethene	9.52	164	41993	18.68	ug/l	97
65) Chlorobenzene	10.73	112	97598	19.50	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.85	131	43203	19.69	ug/l	96
67) Ethyl Benzene	10.86	91	172104	19.10	ug/l	96
68) m/p-Xylenes	11.01	106	114829	39.83	ug/l	83
69) o-Xylene	11.41	106	54523	19.45	ug/l	91
70) Styrene	11.44	104	96421	20.49	ug/l	91
71) Bromoform	11.60	173	33124	20.04	ug/l #	95
73) Isopropylbenzene	11.77	105	172799	20.38	ug/l	100
74) N-amyl acetate	11.64	43	53840	19.85	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.08	83	33906	19.93	ug/l	98
76) 1,2,3-Trichloropropane	12.12	75	41287	21.17	ug/l	97
77) Bromobenzene	12.04	156	50458	20.42	ug/l	98
78) n-propylbenzene	12.16	91	207476	19.75	ug/l	95
79) 2-Chlorotoluene	12.21	91	123550	19.47	ug/l	94
80) 1,3,5-Trimethylbenzene	12.32	105	148533	21.03	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.84	75	9302	19.54	ug/l	90
82) 4-Chlorotoluene	12.32	91	149381	20.11	ug/l	94
83) tert-Butylbenzene	12.58	119	160753	20.34	ug/l	91
84) 1,2,4-Trimethylbenzene	12.63	105	147393	19.69	ug/l	98
85) sec-Butylbenzene	12.76	105	171591	19.55	ug/l	97
86) p-Isopropyltoluene	12.88	119	152672	20.39	ug/l	97
87) 1,3-Dichlorobenzene	12.84	146	85752	20.10	ug/l	97
88) 1,4-Dichlorobenzene	12.93	146	84359	19.82	ug/l	98
89) n-Butylbenzene	13.20	91	148256	19.53	ug/l	98
90) Hexachloroethane	13.40	117	37002	19.07	ug/l	89
91) 1,2-Dichlorobenzene	13.19	146	73218	20.38	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.77	75	7046	19.83	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	64553	19.98	ug/l	98
94) Hexachlorobutadiene	14.44	225	47868	19.10	ug/l	95
95) Naphthalene	14.52	128	91660	19.15	ug/l	97
96) 1,2,3-Trichlorobenzene	14.66	180	53015	18.76	ug/l	95

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

