

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081518\
 Data File : VD059798.D
 Acq On : 15 Aug 2018 16:24
 Operator : VA/AP
 Sample : VD0815SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBS02

Quant Time: Aug 16 07:46:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 16:08:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	283363	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.67	114	367971	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.68	117	312969	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	167287	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.00	65	188977	51.90	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.80%	
35) Dibromofluoromethane	5.53	113	171265	53.41	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	106.82%	
50) Toluene-d8	8.70	98	387887	51.07	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	102.14%	
62) 4-Bromofluorobenzene	11.92	95	176453	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.33	85	61927	17.93	ug/l	97
3) Chloromethane	1.47	50	35749	18.86	ug/l	96
4) Vinyl Chloride	1.55	62	38304	19.08	ug/l	97
5) Bromomethane	1.77	94	7667	11.99	ug/l	98
6) Chloroethane	1.86	64	12199	14.57	ug/l	93
7) Trichlorofluoromethane	2.07	101	54140	17.17	ug/l	95
8) Diethyl Ether	2.33	74	11500	18.96	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.53	101	32078	18.14	ug/l	94
10) Methyl Iodide	2.68	142	29019	15.76	ug/l #	85
11) Tert butyl alcohol	3.25	59	12409	96.33	ug/l #	74
12) 1,1-Dichloroethene	2.53	96	23398	18.30	ug/l	92
13) Acrolein	2.45	56	7786	79.88	ug/l	92
14) Allyl chloride	2.90	41	59689	18.58	ug/l	92
15) Acrylonitrile	3.34	53	36140	80.08	ug/l	93
16) Acetone	2.60	43	55252	96.16	ug/l	100
17) Carbon Disulfide	2.74	76	76243	17.80	ug/l	97
18) Methyl Acetate	2.91	43	19592	15.95	ug/l	97
19) Methyl tert-butyl Ether	3.39	73	116042	18.60	ug/l	99
20) Methylene Chloride	3.05	84	33167	19.41	ug/l	95
21) trans-1,2-Dichloroethene	3.37	96	41820	16.60	ug/l	97
22) Diisopropyl ether	4.05	45	164024	18.93	ug/l	97
23) Vinyl Acetate	4.00	43	497682	101.40	ug/l	99
24) 1,1-Dichloroethane	3.95	63	98855	19.23	ug/l	98
25) 2-Butanone	4.82	43	75770	86.16	ug/l	99
26) 2,2-Dichloropropane	4.78	77	96332	20.49	ug/l	100
27) cis-1,2-Dichloroethene	4.78	96	53908	19.53	ug/l	98
28) Bromochloromethane	5.13	49	36552	18.12	ug/l	96
29) Tetrahydrofuran	5.16	42	36886	98.31	ug/l	97
30) Chloroform	5.30	83	108283	17.54	ug/l	97
31) Cyclohexane	5.57	56	70490	19.06	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	102139	18.82	ug/l	97
36) 1,1-Dichloropropene	5.73	75	72677	19.25	ug/l	98
37) Ethyl Acetate	4.90	43	40362	21.38	ug/l	99
38) Carbon Tetrachloride	5.71	117	90723	19.92	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	64676	19.80	ug/l	97
40) Benzene	5.99	78	153025	19.11	ug/l	95
41) Methacrylonitrile	5.11	41	20912	23.15	ug/l	96
42) 1,2-Dichloroethane	6.11	62	83260	19.21	ug/l	100
43) Isopropyl Acetate	7.61	43	46971	19.70	ug/l	93
44) Trichloroethene	6.97	130	53260	19.42	ug/l	97
45) 1,2-Dichloropropane	7.33	63	41937	20.15	ug/l	98
46) Dibromomethane	7.45	93	31620	18.57	ug/l	99
47) Bromodichloromethane	7.72	83	79480	19.06	ug/l	95
48) Methyl methacrylate	7.50	41	32102	20.63	ug/l	96
49) 1,4-Dioxane	7.48	88	5439	396.94	ug/l	99
51) 4-Methyl-2-Pentanone	8.59	43	161861	89.80	ug/l	100
52) Toluene	8.79	92	102708	20.02	ug/l	99
53) t-1,3-Dichloropropene	9.18	75	69017	19.96	ug/l	94
54) cis-1,3-Dichloropropene	8.34	75	70835	18.95	ug/l	97
55) 1,1,2-Trichloroethane	9.45	97	35045	18.50	ug/l	96
56) Ethyl methacrylate	9.30	69	38949	18.99	ug/l	91
57) 1,3-Dichloropropane	9.65	76	57610	19.42	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.18	63	109967	108.48	ug/l	98
59) 2-Hexanone	9.78	43	123014	95.18	ug/l	97
60) Dibromochloromethane	9.95	129	55319	20.12	ug/l	99
61) 1,2-Dibromoethane	10.08	107	39601	18.88	ug/l	96
64) Tetrachloroethene	9.50	164	49206	18.26	ug/l	97
65) Chlorobenzene	10.71	112	126288	19.92	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.84	131	52028	20.37	ug/l	97
67) Ethyl Benzene	10.85	91	213479	19.56	ug/l	95
68) m/p-Xylenes	11.00	106	143350	38.76	ug/l	93
69) o-Xylene	11.40	106	70437	19.84	ug/l	82
70) Styrene	11.42	104	123237	19.57	ug/l	99
71) Bromoform	11.59	173	36154	19.47	ug/l	# 94
73) Isopropylbenzene	11.77	105	210441	19.87	ug/l	98
74) N-amyl acetate	11.64	43	66170	20.37	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.07	83	42362	19.69	ug/l	97
76) 1,2,3-Trichloropropane	12.10	75	47929	20.19	ug/l	97
77) Bromobenzene	12.03	156	59539	19.67	ug/l	85
78) n-propylbenzene	12.15	91	268491	20.32	ug/l	100
79) 2-Chlorotoluene	12.21	91	154840	19.43	ug/l	97
80) 1,3,5-Trimethylbenzene	12.32	105	171599	20.23	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.84	75	11104	20.00	ug/l	92
82) 4-Chlorotoluene	12.32	91	181747	20.10	ug/l	94
83) tert-Butylbenzene	12.57	119	187465	20.00	ug/l	92
84) 1,2,4-Trimethylbenzene	12.62	105	175343	19.18	ug/l	97
85) sec-Butylbenzene	12.75	105	222293	20.47	ug/l	97
86) p-Isopropyltoluene	12.88	119	180043	19.81	ug/l	96
87) 1,3-Dichlorobenzene	12.84	146	107564	19.82	ug/l	96
88) 1,4-Dichlorobenzene	12.92	146	105199	19.55	ug/l	96
89) n-Butylbenzene	13.19	91	184726	20.10	ug/l	98
90) Hexachloroethane	13.40	117	45920	20.13	ug/l	85
91) 1,2-Dichlorobenzene	13.19	146	91024	20.39	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.77	75	7712	20.10	ug/l	73

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	76528	20.50	ug/l	97
94) Hexachlorobutadiene	14.43	225	54445	19.76	ug/l	95
95) Naphthalene	14.51	128	114802	20.09	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	63843	19.38	ug/l	99

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

