

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080918\
 Data File : VD059719.D
 Acq On : 9 Aug 2018 16:55
 Operator : VA/AP
 Sample : VD0809SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0809SBS01

Quant Time: Aug 10 01:16:34 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	157890	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.68	114	188025	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	158978	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	88905	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	130392	64.20	ug/l	0.01
Spiked Amount	50.000		Recovery	=	128.40%	
35) Dibromofluoromethane	5.54	113	102406	60.64	ug/l	0.02
Spiked Amount	50.000		Recovery	=	121.28%	
50) Toluene-d8	8.71	98	189647	51.59	ug/l	0.02
Spiked Amount	50.000		Recovery	=	103.18%	
62) 4-Bromofluorobenzene	11.93	95	92086	54.28	ug/l	0.01
Spiked Amount	50.000		Recovery	=	108.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.33	85	43444	19.60	ug/l	99
3) Chloromethane	1.47	50	15233	15.43	ug/l	90
4) Vinyl Chloride	1.54	62	20181	17.50	ug/l	98
5) Bromomethane	1.77	94	7032	18.53	ug/l	95
6) Chloroethane	1.85	64	8974	19.15	ug/l	93
7) Trichlorofluoromethane	2.07	101	45952	24.45	ug/l	97
8) Diethyl Ether	2.33	74	7937	23.06	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.54	101	22970	21.64	ug/l	91
10) Methyl Iodide	2.68	142	23203	19.01	ug/l	97
11) Tert butyl alcohol	3.26	59	10047	135.95	ug/l #	87
12) 1,1-Dichloroethene	2.53	96	16390	21.13	ug/l	93
13) Acrolein	2.46	56	6091	87.75	ug/l #	78
14) Allyl chloride	2.90	41	37942	21.38	ug/l	98
15) Acrylonitrile	3.35	53	21712	105.92	ug/l	93
16) Acetone	2.60	43	36978	96.92	ug/l	95
17) Carbon Disulfide	2.74	76	55294	19.74	ug/l	96
18) Methyl Acetate	2.92	43	13970	19.82	ug/l	93
19) Methyl tert-butyl Ether	3.39	73	71360	24.11	ug/l	99
20) Methylene Chloride	3.05	84	24581	16.65	ug/l	91
21) trans-1,2-Dichloroethene	3.39	96	19791	19.50	ug/l #	75
22) Diisopropyl ether	4.07	45	70401	16.87	ug/l	96
23) Vinyl Acetate	4.01	43	259379	98.01	ug/l	98
24) 1,1-Dichloroethane	3.96	63	51655	18.70	ug/l	97
25) 2-Butanone	4.83	43	39602	79.03	ug/l	96
26) 2,2-Dichloropropane	4.78	77	67645	22.93	ug/l	98
27) cis-1,2-Dichloroethene	4.79	96	25161	17.07	ug/l	80
28) Bromochloromethane	5.14	49	18525	18.16	ug/l	89
29) Tetrahydrofuran	5.18	42	15235	78.50	ug/l	97
30) Chloroform	5.31	83	69173	20.54	ug/l	97
31) Cyclohexane	5.58	56	31185	15.02	ug/l	94
32) 1,1,1-Trichloroethane	5.50	97	77008	23.51	ug/l	95
36) 1,1-Dichloropropene	5.74	75	42717	20.44	ug/l	96
37) Ethyl Acetate	4.92	43	20092	19.80	ug/l #	89
38) Carbon Tetrachloride	5.72	117	70242	25.11	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	28948	16.39	ug/l	90
40) Benzene	6.01	78	66551	16.42	ug/l	95
41) Methacrylonitrile	5.12	41	9703	20.45	ug/l	95
42) 1,2-Dichloroethane	6.12	62	63148	25.20	ug/l	96
43) Isopropyl Acetate	7.62	43	23987	18.08	ug/l	96
44) Trichloroethene	6.98	130	29005	19.58	ug/l	95
45) 1,2-Dichloropropane	7.34	63	19262	17.99	ug/l	90
46) Dibromomethane	7.46	93	20072	21.64	ug/l	98
47) Bromodichloromethane	7.74	83	52487	22.21	ug/l	92
48) Methyl methacrylate	7.51	41	18710	21.37	ug/l	95
49) 1,4-Dioxane	7.50	88	2663	375.83	ug/l #	70
51) 4-Methyl-2-Pentanone	8.60	43	89075	92.07	ug/l	99
52) Toluene	8.80	92	47415	18.33	ug/l	95
53) t-1,3-Dichloropropene	9.19	75	43760	21.89	ug/l	94
54) cis-1,3-Dichloropropene	8.35	75	40211	19.53	ug/l	93
55) 1,1,2-Trichloroethane	9.46	97	18742	18.87	ug/l	92
56) Ethyl methacrylate	9.31	69	23853	21.76	ug/l #	88
57) 1,3-Dichloropropane	9.66	76	31479	20.42	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.19	63	57510	110.15	ug/l	98
59) 2-Hexanone	9.79	43	66191	91.11	ug/l	97
60) Dibromochloromethane	9.96	129	36540	23.15	ug/l	99
61) 1,2-Dibromoethane	10.10	107	24879	21.78	ug/l	95
64) Tetrachloroethene	9.51	164	28866	19.18	ug/l	97
65) Chlorobenzene	10.72	112	62839	18.76	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.85	131	33308	22.68	ug/l	94
67) Ethyl Benzene	10.86	91	117870	19.54	ug/l	99
68) m/p-Xylenes	11.01	106	71886	37.24	ug/l	98
69) o-Xylene	11.40	106	35891	19.13	ug/l	100
70) Styrene	11.43	104	60711	19.28	ug/l	95
71) Bromoform	11.60	173	24681	22.30	ug/l #	96
73) Isopropylbenzene	11.78	105	123914	20.74	ug/l	99
74) N-amyl acetate	11.65	43	37262	19.49	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.07	83	21312	17.78	ug/l	95
76) 1,2,3-Trichloropropane	12.11	75	27649	20.12	ug/l	93
77) Bromobenzene	12.04	156	35067	20.14	ug/l	80
78) n-propylbenzene	12.15	91	141285	19.08	ug/l	100
79) 2-Chlorotoluene	12.22	91	88184	19.72	ug/l	96
80) 1,3,5-Trimethylbenzene	12.32	105	102459	20.59	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.85	75	6136	18.29	ug/l	99
82) 4-Chlorotoluene	12.33	91	103034	19.68	ug/l	92
83) tert-Butylbenzene	12.57	119	108245	19.43	ug/l	98
84) 1,2,4-Trimethylbenzene	12.62	105	104483	19.81	ug/l	98
85) sec-Butylbenzene	12.76	105	121581	19.65	ug/l	99
86) p-Isopropyltoluene	12.89	119	105060	19.91	ug/l	98
87) 1,3-Dichlorobenzene	12.84	146	59463	19.78	ug/l	98
88) 1,4-Dichlorobenzene	12.93	146	56534	18.85	ug/l	94
89) n-Butylbenzene	13.19	91	105470	19.72	ug/l	97
90) Hexachloroethane	13.40	117	29682	21.71	ug/l	82
91) 1,2-Dichlorobenzene	13.19	146	52056	20.57	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.77	75	5511	22.01	ug/l	67

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.35	180	46660	20.49	ug/l	96
94) Hexachlorobutadiene	14.43	225	39016	22.09	ug/l	97
95) Naphthalene	14.52	128	62809	18.63	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	42192	21.18	ug/l	98

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

