

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091018\
 Data File : VD059987.D
 Acq On : 10 Sep 2018 12:30
 Operator : JC/SY
 Sample : VD0910SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Manual Integrations
 APPROVED

apatel
 9/11/2018 12:25:20 PM

Quant Time: Sep 10 14:29:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1401755	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.44	114	1929697	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1573065	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	844158	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	549796	46.53	ug/l	-0.02
Spiked Amount						
			Recovery	=		93.06%
35) Dibromofluoromethane	6.32	113	737914	48.77	ug/l	-0.02
Spiked Amount						
			Recovery	=		97.54%
50) Toluene-d8	9.44	98	2048032	48.78	ug/l	-0.02
Spiked Amount						
			Recovery	=		97.56%
62) 4-Bromofluorobenzene	12.43	95	797380	46.76	ug/l	0.00
Spiked Amount						
			Recovery	=		93.52%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	198841	15.87	ug/l	99
3) Chloromethane	1.75	50	196245	17.29	ug/l	99
4) Vinyl Chloride	1.85	62	171793	19.30	ug/l	94
5) Bromomethane	2.13	94	17313	11.27	ug/l	91
6) Chloroethane	2.24	64	43669	13.44	ug/l	94
7) Trichlorofluoromethane	2.50	101	206269	20.03	ug/l	99
8) Diethyl Ether	2.82	74	47058	20.37	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	3.08	101	151729	24.06	ug/l	94
10) Methyl Iodide	3.24	142	110694	18.80	ug/l	94
11) Tert butyl alcohol	3.96	59	71614	79.44	ug/l	99
12) 1,1-Dichloroethene	3.06	96	113102	23.04	ug/l	90
13) Acrolein	2.97	56	21301	54.48	ug/l	98
14) Allyl chloride	3.52	41	243073	21.89	ug/l	99
15) Acrylonitrile	4.07	53	327034	96.87	ug/l	98
16) Acetone	3.15	43	216223	100.45	ug/l	97
17) Carbon Disulfide	3.30	76	249128	16.35	ug/l	99
18) Methyl Acetate	3.54	43	77176	17.18	ug/l	95
19) Methyl tert-butyl Ether	4.11	73	531464	19.14	ug/l	100
20) Methylene Chloride	3.71	84	324408	20.38	ug/l	97
21) trans-1,2-Dichloroethene	4.08	96	254201	18.79	ug/l	95
22) Diisopropyl ether	4.84	45	1138034	20.09	ug/l	96
23) Vinyl Acetate	4.79	43	3126664	98.75	ug/l	100
24) 1,1-Dichloroethane	4.74	63	486985	19.90	ug/l	99
25) 2-Butanone	5.61	43	507242	79.57	ug/l	96
26) 2,2-Dichloropropane	5.58	77	406425	19.87	ug/l	99
27) cis-1,2-Dichloroethene	5.58	96	301825	20.38	ug/l	98
28) Bromochloromethane	5.91	49	231621	19.75	ug/l	93
29) Tetrahydrofuran	5.94	42	263205	86.72	ug/l	97
30) Chloroform	6.09	83	515304	20.72	ug/l	99
31) Cyclohexane	6.35	56	383471	17.05	ug/l	98
32) 1,1,1-Trichloroethane	6.29	97	413509	19.59	ug/l	97
36) 1,1-Dichloropropene	6.51	75	342689	19.59	ug/l	98
37) Ethyl Acetate	5.69	43	242683	17.83	ug/l	99
38) Carbon Tetrachloride	6.49	117	346527	19.63	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	343182	18.16	ug/l	98
40) Benzene	6.79	78	915997	20.14	ug/l	98
41) Methacrylonitrile	5.91	41	128692m	18.77	ug/l	
42) 1,2-Dichloroethane	6.89	62	280073	19.18	ug/l	99
43) Isopropyl Acetate	8.34	43	323046	18.24	ug/l #	99
44) Trichloroethene	7.73	130	266014	19.86	ug/l	99
45) 1,2-Dichloropropane	8.10	63	250980	19.74	ug/l	96
46) Dibromomethane	8.20	93	154142	18.86	ug/l	99
47) Bromodichloromethane	8.48	83	361019	19.51	ug/l	100
48) Methyl methacrylate	8.23	41	182639	17.69	ug/l	98
49) 1,4-Dioxane	8.22	88	34052	369.47	ug/l	90
51) 4-Methyl-2-Pentanone	9.34	43	1060996	80.36	ug/l	96
52) Toluene	9.54	92	596082	20.44	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	329516	19.25	ug/l	100
54) cis-1,3-Dichloropropene	9.09	75	391627	19.73	ug/l	100
55) 1,1,2-Trichloroethane	10.17	97	208749	19.58	ug/l	97
56) Ethyl methacrylate	10.03	69	224249	18.23	ug/l	97
57) 1,3-Dichloropropane	10.38	76	322650	20.91	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.91	63	622265	105.42	ug/l	99
59) 2-Hexanone	10.49	43	804532	82.62	ug/l	99
60) Dibromochloromethane	10.64	129	255707	19.08	ug/l	98
61) 1,2-Dibromoethane	10.75	107	206184	19.13	ug/l	95
64) Tetrachloroethene	10.24	164	240815	19.80	ug/l	99
65) Chlorobenzene	11.30	112	677025	21.66	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	248158	21.73	ug/l	98
67) Ethyl Benzene	11.42	91	1156785	22.00	ug/l	99
68) m/p-Xylenes	11.56	106	856506	44.73	ug/l	97
69) o-Xylene	11.93	106	403738	21.56	ug/l	99
70) Styrene	11.95	104	703193	21.69	ug/l	99
71) Bromoform	12.11	173	180816	18.30	ug/l	99
73) Isopropylbenzene	12.27	105	1151250	21.36	ug/l	99
74) N-amyl acetate	12.13	43	429114	18.19	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	239954	19.25	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	247145	18.84	ug/l	99
77) Bromobenzene	12.53	156	318177	21.30	ug/l	95
78) n-propylbenzene	12.63	91	1473354	21.59	ug/l	100
79) 2-Chlorotoluene	12.70	91	804373	20.84	ug/l	100
80) 1,3,5-Trimethylbenzene	12.79	105	927512	21.65	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.34	75	69731	17.09	ug/l	97
82) 4-Chlorotoluene	12.81	91	954983	21.70	ug/l	98
83) tert-Butylbenzene	13.05	119	1055272	21.62	ug/l	98
84) 1,2,4-Trimethylbenzene	13.09	105	941684	21.09	ug/l	99
85) sec-Butylbenzene	13.21	105	1258957	21.94	ug/l	99
86) p-Isopropyltoluene	13.34	119	1003932	21.51	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	569230	21.34	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	578502	21.74	ug/l	97
89) n-Butylbenzene	13.65	91	1063406	21.18	ug/l	98
90) Hexachloroethane	13.85	117	244808	19.53	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	491208	21.66	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.23	75	30936	16.14	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	401207	20.66	ug/l	97
94) Hexachlorobutadiene	14.88	225	267716	21.03	ug/l	99
95) Naphthalene	14.97	128	560412	18.88	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	332452	20.02	ug/l	99

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

