

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091018\
 Data File : VD059988.D
 Acq On : 10 Sep 2018 12:58
 Operator : JC/SY
 Sample : VD0910SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBSD01

Manual Integrations
 APPROVED

apatel
 9/11/2018 12:25:24 PM

Quant Time: Sep 10 14:30:37 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	6.40	168	1321067	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.43	114	1826731	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1506150	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	815138	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	540585	48.55	ug/l	-0.02
Spiked Amount				50.000		
Recovery						= 97.10%
35) Dibromofluoromethane	6.31	113	721120	50.35	ug/l	-0.02
Spiked Amount				50.000		
Recovery						= 100.70%
50) Toluene-d8	9.45	98	1932727	48.63	ug/l	-0.01
Spiked Amount				50.000		
Recovery						= 97.26%
62) 4-Bromofluorobenzene	12.42	95	788463	48.84	ug/l	-0.01
Spiked Amount				50.000		
Recovery						= 97.68%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	172037	14.57	ug/l	96
3) Chloromethane	1.74	50	183132	17.12	ug/l	97
4) Vinyl Chloride	1.84	62	153804	18.34	ug/l	100
5) Bromomethane	2.12	94	13486	9.31	ug/l	91
6) Chloroethane	2.24	64	38347	12.57	ug/l	99
7) Trichlorofluoromethane	2.48	101	187766	19.35	ug/l	98
8) Diethyl Ether	2.81	74	45281	20.80	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.07	101	141618	23.83	ug/l	96
10) Methyl Iodide	3.22	142	104909	18.89	ug/l	98
11) Tert butyl alcohol	3.97	59	79254	93.28	ug/l	97
12) 1,1-Dichloroethene	3.05	96	102282	22.11	ug/l	89
13) Acrolein	2.96	56	19851	53.87	ug/l	89
14) Allyl chloride	3.52	41	219560	20.98	ug/l	98
15) Acrylonitrile	4.07	53	322030	101.22	ug/l	98
16) Acetone	3.14	43	219668	108.29	ug/l	98
17) Carbon Disulfide	3.30	76	220193	15.33	ug/l	100
18) Methyl Acetate	3.54	43	77716	18.35	ug/l #	93
19) Methyl tert-butyl Ether	4.11	73	502200	19.19	ug/l	98
20) Methylene Chloride	3.70	84	333998	22.63	ug/l	95
21) trans-1,2-Dichloroethene	4.08	96	231825	18.19	ug/l	98
22) Diisopropyl ether	4.84	45	1046736	19.61	ug/l	98
23) Vinyl Acetate	4.78	43	2989244	100.18	ug/l	99
24) 1,1-Dichloroethane	4.74	63	452809	19.64	ug/l	99
25) 2-Butanone	5.61	43	508913	84.71	ug/l	99
26) 2,2-Dichloropropane	5.57	77	371046	19.25	ug/l	98
27) cis-1,2-Dichloroethene	5.58	96	280736	20.11	ug/l	93
28) Bromochloromethane	5.91	49	216579	19.60	ug/l	96
29) Tetrahydrofuran	5.95	42	280215	97.97	ug/l	99
30) Chloroform	6.08	83	483561	20.63	ug/l	97
31) Cyclohexane	6.35	56	360980	17.03	ug/l	99
32) 1,1,1-Trichloroethane	6.28	97	388229	19.52	ug/l	99
36) 1,1-Dichloropropene	6.51	75	320219	19.34	ug/l	97
37) Ethyl Acetate	5.68	43	249470	19.36	ug/l	98
38) Carbon Tetrachloride	6.49	117	316914	18.96	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	321236	17.96	ug/l	98
40) Benzene	6.78	78	846523	19.66	ug/l	99
41) Methacrylonitrile	5.91	41	118982m	18.33	ug/l	
42) 1,2-Dichloroethane	6.88	62	264263	19.12	ug/l	98
43) Isopropyl Acetate	8.34	43	315975	18.85	ug/l	98
44) Trichloroethene	7.73	130	251692	19.85	ug/l	99
45) 1,2-Dichloropropane	8.09	63	241069	20.03	ug/l	97
46) Dibromomethane	8.21	93	150921	19.50	ug/l	90
47) Bromodichloromethane	8.49	83	344072	19.64	ug/l	96
48) Methyl methacrylate	8.24	41	182352	18.66	ug/l	98
49) 1,4-Dioxane	8.22	88	35685	409.02	ug/l #	83
51) 4-Methyl-2-Pentanone	9.33	43	1045994	83.69	ug/l	97
52) Toluene	9.54	92	557675	20.20	ug/l	100
53) t-1,3-Dichloropropene	9.91	75	320531	19.78	ug/l	99
54) cis-1,3-Dichloropropene	9.10	75	375535	19.99	ug/l	96
55) 1,1,2-Trichloroethane	10.18	97	199336	19.75	ug/l	96
56) Ethyl methacrylate	10.02	69	221050	18.98	ug/l	98
57) 1,3-Dichloropropane	10.37	76	307026	21.02	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.92	63	637584	114.11	ug/l	97
59) 2-Hexanone	10.48	43	826106	89.62	ug/l	95
60) Dibromochloromethane	10.63	129	249378	19.66	ug/l	95
61) 1,2-Dibromoethane	10.75	107	199142	19.51	ug/l	99
64) Tetrachloroethene	10.25	164	225388	19.35	ug/l	97
65) Chlorobenzene	11.31	112	634383	21.20	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	230735	21.10	ug/l	99
67) Ethyl Benzene	11.43	91	1087695	21.60	ug/l	99
68) m/p-Xylenes	11.57	106	791105	43.15	ug/l	100
69) o-Xylene	11.93	106	397255	22.15	ug/l	99
70) Styrene	11.95	104	652827	21.03	ug/l	98
71) Bromoform	12.12	173	176818	18.69	ug/l #	98
73) Isopropylbenzene	12.27	105	1067677	20.52	ug/l	98
74) N-amyl acetate	12.13	43	417011	18.30	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	233109	19.37	ug/l	96
76) 1,2,3-Trichloropropane	12.59	75	242618	19.15	ug/l	99
77) Bromobenzene	12.54	156	297958	20.65	ug/l	80
78) n-propylbenzene	12.64	91	1364402	20.71	ug/l	97
79) 2-Chlorotoluene	12.70	91	764112	20.51	ug/l	96
80) 1,3,5-Trimethylbenzene	12.79	105	850091	20.55	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.34	75	69336	17.59	ug/l	95
82) 4-Chlorotoluene	12.81	91	882046	20.75	ug/l	97
83) tert-Butylbenzene	13.04	119	985301	20.91	ug/l	95
84) 1,2,4-Trimethylbenzene	13.09	105	884079	20.50	ug/l	97
85) sec-Butylbenzene	13.22	105	1172259	21.15	ug/l	97
86) p-Isopropyltoluene	13.34	119	929625	20.63	ug/l	97
87) 1,3-Dichlorobenzene	13.31	146	516079	20.04	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	535691	20.85	ug/l	99
89) n-Butylbenzene	13.64	91	988876	20.30	ug/l	98
90) Hexachloroethane	13.86	117	223749	18.49	ug/l	80
91) 1,2-Dichlorobenzene	13.66	146	478325	21.84	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.22	75	33510	18.11	ug/l	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	389170	20.75	ug/l	98
94) Hexachlorobutadiene	14.87	225	250952	20.42	ug/l	98
95) Naphthalene	14.96	128	570629	19.91	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	323357	20.16	ug/l	98

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

