

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091718\
 Data File : VD060014.D
 Acq On : 17 Sep 2018 11:52
 Operator : JC/SY
 Sample : VD0917SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBS01

Manual Integrations
 APPROVED

apatel
 9/18/2018 12:17:06 PM

Quant Time: Sep 17 14:31:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1645384	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.43	114	2272075	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1840852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	981703	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	641122	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
35) Dibromofluoromethane	6.31	113	869747	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
50) Toluene-d8	9.45	98	2426259	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
62) 4-Bromofluorobenzene	12.42	95	892094	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	309549	17.82	ug/l	97
3) Chloromethane	1.74	50	325250	21.20	ug/l	97
4) Vinyl Chloride	1.84	62	250536	20.31	ug/l	97
5) Bromomethane	2.13	94	20019	13.71	ug/l	97
6) Chloroethane	2.23	64	62096	22.52	ug/l	92
7) Trichlorofluoromethane	2.49	101	293922	21.65	ug/l	99
8) Diethyl Ether	2.82	74	58759	20.36	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.07	101	181901	21.24	ug/l	98
10) Methyl Iodide	3.23	142	164726	18.16	ug/l	95
11) Tert butyl alcohol	3.97	59	83532	80.68	ug/l	97
12) 1,1-Dichloroethene	3.05	96	146970	21.71	ug/l	96
13) Acrolein	2.96	56	57180	89.18	ug/l	97
14) Allyl chloride	3.52	41	289402	20.27	ug/l	98
15) Acrylonitrile	4.07	53	358376	91.70	ug/l	98
16) Acetone	3.14	43	252785	102.04	ug/l	98
17) Carbon Disulfide	3.30	76	474641	20.35	ug/l	100
18) Methyl Acetate	3.53	43	96735	19.20	ug/l	98
19) Methyl tert-butyl Ether	4.11	73	587617	18.79	ug/l	100
20) Methylene Chloride	3.70	84	412467	18.92	ug/l	100
21) trans-1,2-Dichloroethene	4.08	96	342527	19.28	ug/l	92
22) Diisopropyl ether	4.84	45	1290979	19.82	ug/l	98
23) Vinyl Acetate	4.78	43	3664355	99.32	ug/l	99
24) 1,1-Dichloroethane	4.74	63	578015	19.78	ug/l	99
25) 2-Butanone	5.61	43	669469	100.14	ug/l	99
26) 2,2-Dichloropropane	5.57	77	464541	20.44	ug/l	98
27) cis-1,2-Dichloroethene	5.58	96	367400	19.77	ug/l	100
28) Bromochloromethane	5.91	49	277911	19.78	ug/l	93
29) Tetrahydrofuran	5.94	42	320535	89.41	ug/l	100
30) Chloroform	6.08	83	580318	19.58	ug/l	97
31) Cyclohexane	6.36	56	542254	19.03	ug/l	98
32) 1,1,1-Trichloroethane	6.28	97	480226	19.54	ug/l	99
36) 1,1-Dichloropropene	6.52	75	440894	19.53	ug/l	98
37) Ethyl Acetate	5.68	43	299332	19.29	ug/l	99
38) Carbon Tetrachloride	6.49	117	403915	19.17	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	498930	19.54	ug/l	96
40) Benzene	6.78	78	1143481	19.88	ug/l	99
41) Methacrylonitrile	5.91	41	137275m	16.89	ug/l	
42) 1,2-Dichloroethane	6.88	62	327937	18.99	ug/l	100
43) Isopropyl Acetate	8.34	43	361641	17.40	ug/l #	99
44) Trichloroethene	7.73	130	343041	19.30	ug/l	98
45) 1,2-Dichloropropane	8.09	63	298970	19.44	ug/l	97
46) Dibromomethane	8.21	93	190594	18.99	ug/l	96
47) Bromodichloromethane	8.48	83	412162	19.05	ug/l	99
48) Methyl methacrylate	8.24	41	208246	17.99	ug/l	97
49) 1,4-Dioxane	8.22	88	37271	324.23	ug/l	98
51) 4-Methyl-2-Pentanone	9.33	43	1486291	96.50	ug/l	100
52) Toluene	9.54	92	736435	19.97	ug/l	100
53) t-1,3-Dichloropropene	9.91	75	376766	18.67	ug/l	99
54) cis-1,3-Dichloropropene	9.09	75	468307	19.42	ug/l	97
55) 1,1,2-Trichloroethane	10.18	97	240655	18.80	ug/l	95
56) Ethyl methacrylate	10.03	69	258284	18.19	ug/l	98
57) 1,3-Dichloropropane	10.37	76	350472	18.55	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.92	63	681614	99.40	ug/l	97
59) 2-Hexanone	10.48	43	1077262	96.93	ug/l	97
60) Dibromochloromethane	10.64	129	290584	18.65	ug/l	99
61) 1,2-Dibromoethane	10.76	107	249176	18.85	ug/l	96
64) Tetrachloroethene	10.25	164	317323	19.54	ug/l	98
65) Chlorobenzene	11.31	112	782616	19.77	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.42	131	272282	20.40	ug/l	98
67) Ethyl Benzene	11.43	91	1359438	21.34	ug/l	99
68) m/p-Xylenes	11.56	106	1016757	43.22	ug/l	95
69) o-Xylene	11.93	106	488396	20.95	ug/l	95
70) Styrene	11.95	104	821171	20.95	ug/l	96
71) Bromoform	12.12	173	212392	18.52	ug/l	99
73) Isopropylbenzene	12.27	105	1313291	20.40	ug/l	99
74) N-amyl acetate	12.14	43	483111	18.94	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	272603	18.66	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	286905	19.14	ug/l	100
77) Bromobenzene	12.54	156	371111	20.01	ug/l	98
78) n-propylbenzene	12.64	91	1699161	20.99	ug/l	99
79) 2-Chlorotoluene	12.71	91	924093	20.22	ug/l	98
80) 1,3,5-Trimethylbenzene	12.79	105	1065110	21.58	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.34	75	80032	17.68	ug/l	96
82) 4-Chlorotoluene	12.80	91	1089919	21.69	ug/l	99
83) tert-Butylbenzene	13.04	119	1178993	20.62	ug/l	92
84) 1,2,4-Trimethylbenzene	13.09	105	1076295	20.44	ug/l	100
85) sec-Butylbenzene	13.22	105	1376407	20.28	ug/l	98
86) p-Isopropyltoluene	13.34	119	1153649	21.02	ug/l	96
87) 1,3-Dichlorobenzene	13.31	146	679122	21.06	ug/l	97
88) 1,4-Dichlorobenzene	13.39	146	665519	20.34	ug/l	96
89) n-Butylbenzene	13.64	91	1182804	19.84	ug/l	96
90) Hexachloroethane	13.86	117	267709	19.69	ug/l	91
91) 1,2-Dichlorobenzene	13.66	146	575181	19.10	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.22	75	37470	16.83	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	458804	19.96	ug/l	97
94) Hexachlorobutadiene	14.88	225	302598	19.90	ug/l	99
95) Naphthalene	14.97	128	641461	18.07	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	379179	18.72	ug/l	97

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

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