

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091918\
 Data File : VD060038.D
 Acq On : 19 Sep 2018 12:03
 Operator : JC/SY
 Sample : VD0919SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0919SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/21/2018 5:02:14 PM

Quant Time: Sep 21 16:13:41 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	6.41	168	1625729	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.45	114	2238875	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.29	117	1831557	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.38	152	967925	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	626663	49.43	ug/l	0.02
Spiked Amount	50.000		Recovery	=	98.86%	
35) Dibromofluoromethane	6.32	113	883266	50.50	ug/l	0.02
Spiked Amount	50.000		Recovery	=	101.00%	
50) Toluene-d8	9.46	98	2493129	51.43	ug/l	0.02
Spiked Amount	50.000		Recovery	=	102.86%	
62) 4-Bromofluorobenzene	12.44	95	927532	50.08	ug/l	0.02
Spiked Amount	50.000		Recovery	=	100.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	321700	18.746	ug/l	100
3) Chloromethane	1.75	50	328755	21.688	ug/l	99
4) Vinyl Chloride	1.85	62	249116	20.443	ug/l	99
5) Bromomethane	2.13	94	20828	14.440	ug/l	92
6) Chloroethane	2.24	64	60606	22.246	ug/l	96
7) Trichlorofluoromethane	2.50	101	291966	21.762	ug/l	97
8) Diethyl Ether	2.82	74	62592	21.947	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.08	101	190196	22.482	ug/l	98
10) Methyl Iodide	3.24	142	180054	20.095	ug/l	95
11) Tert butyl alcohol	3.97	59	77517	75.775	ug/l	99
12) 1,1-Dichloroethene	3.07	96	149243	22.311	ug/l	97
13) Acrolein	2.98	56	54677	86.309	ug/l	93
14) Allyl chloride	3.53	41	291218	20.643	ug/l	98
15) Acrylonitrile	4.08	53	362595	93.900	ug/l	99
16) Acetone	3.16	43	283443	115.798	ug/l	100
17) Carbon Disulfide	3.31	76	477899	20.735	ug/l	99
18) Methyl Acetate	3.56	43	95037	19.091	ug/l	96
19) Methyl tert-butyl Ether	4.12	73	590847	19.117	ug/l	99
20) Methylene Chloride	3.72	84	395682	18.123	ug/l	97
21) trans-1,2-Dichloroethene	4.10	96	350277	19.954	ug/l	100
22) Diisopropyl ether	4.86	45	1268787	19.717	ug/l	96
23) Vinyl Acetate	4.80	43	3634312	99.693	ug/l	98
24) 1,1-Dichloroethane	4.76	63	587564	20.347	ug/l	99
25) 2-Butanone	5.63	43	702040	106.287	ug/l	100
26) 2,2-Dichloropropane	5.59	77	479299	21.349	ug/l	98
27) cis-1,2-Dichloroethene	5.60	96	373012	20.315	ug/l	96
28) Bromochloromethane	5.92	49	282399	20.345	ug/l	91
29) Tetrahydrofuran	5.96	42	322663	91.089	ug/l	99
30) Chloroform	6.11	83	591952	20.214	ug/l	99
31) Cyclohexane	6.36	56	544727	19.347	ug/l	99
32) 1,1,1-Trichloroethane	6.30	97	480624	19.788	ug/l	99
36) 1,1-Dichloropropene	6.52	75	447158	20.106	ug/l	97
37) Ethyl Acetate	5.69	43	294023	19.225	ug/l	96
38) Carbon Tetrachloride	6.50	117	402220	19.374	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	494892	19.671	ug/l	97
40) Benzene	6.80	78	1149744	20.284	ug/l	99
41) Methacrylonitrile	5.93	41	134608m	16.805	ug/l	
42) 1,2-Dichloroethane	6.90	62	319140	18.751	ug/l	99
43) Isopropyl Acetate	8.35	43	367614	17.953	ug/l #	99
44) Trichloroethene	7.74	130	352258	20.114	ug/l	100
45) 1,2-Dichloropropane	8.11	63	295434	19.491	ug/l	99
46) Dibromomethane	8.22	93	188476	19.058	ug/l	93
47) Bromodichloromethane	8.50	83	418968	19.650	ug/l	99
48) Methyl methacrylate	8.25	41	214165	18.779	ug/l	99
49) 1,4-Dioxane	8.23	88	41436	365.808	ug/l	95
51) 4-Methyl-2-Pentanone	9.35	43	1473503	97.173	ug/l	100
52) Toluene	9.55	92	735610	20.246	ug/l	98
53) t-1,3-Dichloropropene	9.93	75	394672	19.847	ug/l	100
54) cis-1,3-Dichloropropene	9.11	75	470202	19.790	ug/l	99
55) 1,1,2-Trichloroethane	10.19	97	241758	19.164	ug/l	95
56) Ethyl methacrylate	10.03	69	254033	18.155	ug/l	98
57) 1,3-Dichloropropane	10.39	76	362115	19.447	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.93	63	716381	106.024	ug/l	98
59) 2-Hexanone	10.50	43	1090447	100.025	ug/l	100
60) Dibromochloromethane	10.64	129	295742	19.261	ug/l	99
61) 1,2-Dibromoethane	10.76	107	246375	18.916	ug/l	97
64) Tetrachloroethene	10.26	164	312511	19.339	ug/l	97
65) Chlorobenzene	11.32	112	816936	20.746	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	266621	20.075	ug/l	98
67) Ethyl Benzene	11.43	91	1330969	21.003	ug/l	97
68) m/p-Xylenes	11.57	106	1040298	44.450	ug/l	94
69) o-Xylene	11.94	106	490012	21.131	ug/l	97
70) Styrene	11.96	104	813419	20.861	ug/l	98
71) Bromoform	12.12	173	205050	17.970	ug/l	96
73) Isopropylbenzene	12.28	105	1372420	21.619	ug/l	98
74) N-amyl acetate	12.14	43	470928	18.728	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	278834	19.362	ug/l	97
76) 1,2,3-Trichloropropane	12.60	75	275201	18.616	ug/l	99
77) Bromobenzene	12.54	156	375974	20.561	ug/l	94
78) n-propylbenzene	12.64	91	1720233	21.549	ug/l	97
79) 2-Chlorotoluene	12.71	91	910390	20.205	ug/l	98
80) 1,3,5-Trimethylbenzene	12.80	105	1058878	21.762	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.35	75	83156	18.635	ug/l	96
82) 4-Chlorotoluene	12.82	91	1064201	21.483	ug/l	90
83) tert-Butylbenzene	13.06	119	1204092	21.361	ug/l	99
84) 1,2,4-Trimethylbenzene	13.10	105	1075337	20.710	ug/l	98
85) sec-Butylbenzene	13.22	105	1377054	20.580	ug/l	98
86) p-Isopropyltoluene	13.35	119	1129257	20.866	ug/l	100
87) 1,3-Dichlorobenzene	13.31	146	659467	20.739	ug/l	99
88) 1,4-Dichlorobenzene	13.40	146	666530	20.665	ug/l	98
89) n-Butylbenzene	13.65	91	1180843	20.130	ug/l	95
90) Hexachloroethane	13.86	117	265618	19.816	ug/l	97
91) 1,2-Dichlorobenzene	13.67	146	566456	19.078	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	36699	16.716	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	448022	19.771	ug/l	97
94) Hexachlorobutadiene	14.89	225	310748	20.730	ug/l	100
95) Naphthalene	14.97	128	637002	18.202	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	383511	19.205	ug/l	99

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

