

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091918\
 Data File : VD060039.D
 Acq On : 19 Sep 2018 12:31
 Operator : JC/SY
 Sample : VD0919SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0919SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/21/2018 5:02:15 PM

Quant Time: Sep 21 16:14:23 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	1484833	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.44	114	2061551	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.29	117	1697695	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	912585	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	587032	50.70	ug/l	0.02
Spiked Amount	50.000		Recovery	=	101.40%	
35) Dibromofluoromethane	6.32	113	800152	49.68	ug/l	0.02
Spiked Amount	50.000		Recovery	=	99.36%	
50) Toluene-d8	9.46	98	2265398	50.75	ug/l	0.02
Spiked Amount	50.000		Recovery	=	101.50%	
62) 4-Bromofluorobenzene	12.43	95	845483	49.58	ug/l	0.02
Spiked Amount	50.000		Recovery	=	99.16%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.57	85	288145	18.384	ug/l	100
3) Chloromethane	1.74	50	298779	21.580	ug/l	100
4) Vinyl Chloride	1.84	62	233997	21.024	ug/l	99
5) Bromomethane	2.13	94	20675	15.694	ug/l	94
6) Chloroethane	2.23	64	61939	24.893	ug/l	96
7) Trichlorofluoromethane	2.49	101	279207	22.786	ug/l	99
8) Diethyl Ether	2.81	74	51666	19.835	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.08	101	173568	22.463	ug/l	98
10) Methyl Iodide	3.24	142	182179	22.261	ug/l	94
11) Tert butyl alcohol	3.97	59	72648	77.754	ug/l	98
12) 1,1-Dichloroethene	3.06	96	141334	23.134	ug/l	93
13) Acrolein	2.97	56	51395	88.827	ug/l	98
14) Allyl chloride	3.52	41	280865	21.799	ug/l	97
15) Acrylonitrile	4.07	53	334786	94.925	ug/l	99
16) Acetone	3.15	43	259248	115.963	ug/l	96
17) Carbon Disulfide	3.31	76	439067	20.858	ug/l	100
18) Methyl Acetate	3.54	43	92286	20.298	ug/l	96
19) Methyl tert-butyl Ether	4.11	73	547917	19.410	ug/l	100
20) Methylene Chloride	3.71	84	381843	19.626	ug/l	98
21) trans-1,2-Dichloroethene	4.09	96	325767	20.319	ug/l	97
22) Diisopropyl ether	4.85	45	1211886	20.620	ug/l	100
23) Vinyl Acetate	4.80	43	3392959	101.904	ug/l	100
24) 1,1-Dichloroethane	4.75	63	553975	21.004	ug/l	99
25) 2-Butanone	5.62	43	682218	113.086	ug/l	99
26) 2,2-Dichloropropane	5.58	77	442108	21.561	ug/l	100
27) cis-1,2-Dichloroethene	5.59	96	350031	20.872	ug/l	98
28) Bromochloromethane	5.92	49	271600	21.423	ug/l	100
29) Tetrahydrofuran	5.95	42	296011	91.495	ug/l	100
30) Chloroform	6.10	83	565069	21.127	ug/l	99
31) Cyclohexane	6.37	56	507885	19.750	ug/l	97
32) 1,1,1-Trichloroethane	6.29	97	455649	20.540	ug/l	99
36) 1,1-Dichloropropene	6.52	75	418978	20.460	ug/l	98
37) Ethyl Acetate	5.70	43	255306	18.129	ug/l	98
38) Carbon Tetrachloride	6.49	117	382717	20.020	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	468310	20.216	ug/l	98
40) Benzene	6.79	78	1109530	21.258	ug/l	98
41) Methacrylonitrile	5.92	41	149151m	20.222	ug/l	
42) 1,2-Dichloroethane	6.89	62	302551	19.305	ug/l	98
43) Isopropyl Acetate	8.35	43	331439	17.578	ug/l #	100
44) Trichloroethene	7.74	130	327624	20.316	ug/l	96
45) 1,2-Dichloropropane	8.11	63	285786	20.477	ug/l	99
46) Dibromomethane	8.22	93	176802	19.415	ug/l	95
47) Bromodichloromethane	8.49	83	395419	20.140	ug/l	100
48) Methyl methacrylate	8.25	41	196096	18.674	ug/l	97
49) 1,4-Dioxane	8.24	88	35616	341.473	ug/l	91
51) 4-Methyl-2-Pentanone	9.35	43	1375292	98.685	ug/l	100
52) Toluene	9.56	92	694727	20.766	ug/l	100
53) t-1,3-Dichloropropene	9.92	75	352442	19.247	ug/l	99
54) cis-1,3-Dichloropropene	9.10	75	436434	19.948	ug/l	98
55) 1,1,2-Trichloroethane	10.18	97	225898	19.447	ug/l	96
56) Ethyl methacrylate	10.04	69	244809	19.001	ug/l	96
57) 1,3-Dichloropropane	10.39	76	341817	19.935	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.93	63	646009	103.833	ug/l	98
59) 2-Hexanone	10.49	43	1016638	101.486	ug/l	97
60) Dibromochloromethane	10.65	129	270938	19.163	ug/l	99
61) 1,2-Dibromoethane	10.77	107	226581	18.893	ug/l	97
64) Tetrachloroethene	10.25	164	300907	20.089	ug/l	98
65) Chlorobenzene	11.32	112	759920	20.820	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.42	131	265109	21.535	ug/l	97
67) Ethyl Benzene	11.43	91	1329031	22.626	ug/l	98
68) m/p-Xylenes	11.57	106	991869	45.722	ug/l	97
69) o-Xylene	11.94	106	459115	21.359	ug/l	98
70) Styrene	11.96	104	787879	21.800	ug/l	96
71) Bromoform	12.12	173	193132	18.260	ug/l	98
73) Isopropylbenzene	12.28	105	1233252	20.605	ug/l	99
74) N-amyl acetate	12.13	43	445795	18.804	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.57	83	264641	19.491	ug/l	98
76) 1,2,3-Trichloropropane	12.60	75	265794	19.070	ug/l	99
77) Bromobenzene	12.55	156	355580	20.625	ug/l	94
78) n-propylbenzene	12.65	91	1600000	21.258	ug/l	99
79) 2-Chlorotoluene	12.70	91	877931	20.667	ug/l	94
80) 1,3,5-Trimethylbenzene	12.79	105	1012752	22.077	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.35	75	74539	17.717	ug/l	98
82) 4-Chlorotoluene	12.81	91	1019895	21.837	ug/l	96
83) tert-Butylbenzene	13.05	119	1135108	21.359	ug/l	94
84) 1,2,4-Trimethylbenzene	13.10	105	1022892	20.895	ug/l	98
85) sec-Butylbenzene	13.23	105	1332832	21.127	ug/l	96
86) p-Isopropyltoluene	13.34	119	1082253	21.211	ug/l	97
87) 1,3-Dichlorobenzene	13.31	146	642404	21.427	ug/l	97
88) 1,4-Dichlorobenzene	13.39	146	642677	21.134	ug/l	98
89) n-Butylbenzene	13.65	91	1106644	19.988	ug/l	97
90) Hexachloroethane	13.87	117	248776	19.685	ug/l	86
91) 1,2-Dichlorobenzene	13.66	146	547881	19.649	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	35431	17.117	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	433932	20.310	ug/l	98
94) Hexachlorobutadiene	14.88	225	293828	20.790	ug/l	99
95) Naphthalene	14.97	128	615741	18.661	ug/l	98
96) 1,2,3-Trichlorobenzene	15.12	180	362283	19.242	ug/l	97

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

