

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111819\
 Data File : VD064258.D
 Acq On : 18 Nov 2019 12:09
 Operator : VA/SY
 Sample : VD1118SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/20/2019 1:11:49 PM

Quant Time: Nov 19 04:51:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	629735	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	888095	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	767114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	374405	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	253945	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
35) Dibromofluoromethane	7.91	113	256497	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
50) Toluene-d8	10.34	98	979709	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
62) 4-Bromofluorobenzene	12.64	95	320659	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.99	85	104289	19.968	ug/l	97
3) Chloromethane	2.21	50	119640	21.356	ug/l	99
4) Vinyl Chloride	2.35	62	139983	23.366	ug/l	98
5) Bromomethane	2.76	94	95526	25.252	ug/l	97
6) Chloroethane	2.91	64	93504	24.426	ug/l	99
7) Trichlorofluoromethane	3.27	101	243695	25.090	ug/l	99
8) Diethyl Ether	3.70	74	53682	20.101	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	115946	20.886	ug/l	99
10) Methyl Iodide	4.29	142	112502	19.063	ug/l	99
11) Tert butyl alcohol	5.26	59	36617	101.223	ug/l	97
12) 1,1-Dichloroethene	4.06	96	109056	20.610	ug/l	93
13) Acrolein	3.93	56	22788	74.464	ug/l	97
14) Allyl chloride	4.70	41	179660	19.203	ug/l	95
15) Acrylonitrile	5.43	53	119590	105.039	ug/l	98
16) Acetone	4.17	43	96067	78.297	ug/l	99
17) Carbon Disulfide	4.40	76	322004	19.540	ug/l	99
18) Methyl Acetate	4.73	43	65823	19.208	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	251741	19.928	ug/l	96
20) Methylene Chloride	4.96	84	121347	19.579	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	123034	20.522	ug/l	92
22) Diisopropyl ether	6.37	45	337571	19.446	ug/l	95
23) Vinyl Acetate	6.31	43	978812	101.154	ug/l	99
24) 1,1-Dichloroethane	6.26	63	202586	20.099	ug/l	99
25) 2-Butanone	7.22	43	150645	95.035	ug/l	95
26) 2,2-Dichloropropane	7.20	77	194521	19.679	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	134470	20.916	ug/l	93
28) Bromochloromethane	7.55	49	58130	16.566	ug/l	97
29) Tetrahydrofuran	7.57	42	97972	102.869	ug/l	98
30) Chloroform	7.71	83	221238	21.459	ug/l	95
31) Cyclohexane	7.98	56	203548	20.024	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	197157	19.971	ug/l	99
36) 1,1-Dichloropropene	8.11	75	166912	20.364	ug/l	99
37) Ethyl Acetate	7.30	43	72814	21.073	ug/l	99
38) Carbon Tetrachloride	8.09	117	178826	20.390	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	210734	20.319	ug/l	96
40) Benzene	8.35	78	462749	20.658	ug/l	99
41) Methacrylonitrile	7.53	41	42391	19.519	ug/l	93
42) 1,2-Dichloroethane	8.43	62	134868	20.046	ug/l	98
43) Isopropyl Acetate	8.46	43	139571	19.604	ug/l	98
44) Trichloroethene	9.11	130	139333	20.724	ug/l	97
45) 1,2-Dichloropropane	9.39	63	109261	20.039	ug/l	99
46) Dibromomethane	9.48	93	60272	20.649	ug/l	98
47) Bromodichloromethane	9.67	83	162592	20.680	ug/l	97
48) Methyl methacrylate	9.46	41	64358	18.487	ug/l	92
49) 1,4-Dioxane	9.47	88	14585	416.047	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	339879	99.551	ug/l	99
52) Toluene	10.41	92	297838	20.220	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	153973	19.547	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	181894	19.789	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	83230	21.019	ug/l	97
56) Ethyl methacrylate	10.67	69	108396	19.569	ug/l	96
57) 1,3-Dichloropropane	10.95	76	143075	20.718	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	209564	93.398	ug/l	99
59) 2-Hexanone	10.99	43	235322	96.882	ug/l	99
60) Dibromochloromethane	11.14	129	112956	20.443	ug/l	99
61) 1,2-Dibromoethane	11.25	107	81653	20.588	ug/l	100
64) Tetrachloroethene	10.88	164	119059	20.180	ug/l	93
65) Chlorobenzene	11.67	112	315091	20.199	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	118366	19.955	ug/l	98
67) Ethyl Benzene	11.75	91	576099	20.417	ug/l	99
68) m/p-Xylenes	11.86	106	442498	40.914	ug/l	97
69) o-Xylene	12.18	106	199181	19.857	ug/l	97
70) Styrene	12.20	104	348381	19.897	ug/l	99
71) Bromoform	12.37	173	66758	19.776	ug/l #	96
73) Isopropylbenzene	12.48	105	561965	20.449	ug/l	99
74) N-amyl acetate	12.30	43	130156	20.056	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	88707	21.422	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	58255m	19.317	ug/l	
77) Bromobenzene	12.77	156	136621	20.463	ug/l	98
78) n-propylbenzene	12.83	91	639344	20.363	ug/l	99
79) 2-Chlorotoluene	12.91	91	355991	20.082	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	455188	20.158	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	30268	19.937	ug/l	99
82) 4-Chlorotoluene	13.01	91	370425	20.035	ug/l	99
83) tert-Butylbenzene	13.23	119	403460	20.262	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	446167	20.013	ug/l	99
85) sec-Butylbenzene	13.41	105	546748	20.444	ug/l	100
86) p-Isopropyltoluene	13.53	119	510392	20.075	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	251127	20.263	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	248554	20.549	ug/l	99
89) n-Butylbenzene	13.85	91	469466	20.438	ug/l	99
90) Hexachloroethane	14.13	117	93042	19.801	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	213942	20.395	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	14452	19.520	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	165851	20.496	ug/l	100
94) Hexachlorobutadiene	15.28	225	104347	19.965	ug/l	96
95) Naphthalene	15.41	128	282619	21.306	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	145559	21.162	ug/l	98

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

