

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011320\
 Data File : VD064846.D
 Acq On : 13 Jan 2020 13:39
 Operator : VA/SY
 Sample : VD0113SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/14/2020 1:28:32 PM

Quant Time: Jan 14 11:48:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	361621	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	534627	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	473590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	232585	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	183086	57.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.84%	
35) Dibromofluoromethane	7.92	113	180802	55.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.24%	
50) Toluene-d8	10.34	98	684323	54.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.94%	
62) 4-Bromofluorobenzene	12.64	95	220170	55.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	59795	21.277	ug/l	97
3) Chloromethane	2.21	50	92644	23.571	ug/l	98
4) Vinyl Chloride	2.35	62	108459	22.632	ug/l	100
5) Bromomethane	2.76	94	75976	21.804	ug/l	97
6) Chloroethane	2.92	64	72411	22.550	ug/l	99
7) Trichlorofluoromethane	3.26	101	180654	22.389	ug/l	97
8) Diethyl Ether	3.71	74	36496	22.777	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	78226	23.409	ug/l	98
10) Methyl Iodide	4.29	142	75837	21.127	ug/l	99
11) Tert butyl alcohol	5.26	59	21857	119.602	ug/l	98
12) 1,1-Dichloroethene	4.06	96	73703	23.166	ug/l	93
13) Acrolein	3.92	56	21305	83.652	ug/l	100
14) Allyl chloride	4.71	41	119423	24.075	ug/l	99
15) Acrylonitrile	5.43	53	81295	121.804	ug/l	98
16) Acetone	4.16	43	91880	131.335	ug/l	92
17) Carbon Disulfide	4.40	76	228489	22.211	ug/l	99
18) Methyl Acetate	4.72	43	39735	22.134	ug/l	96
19) Methyl tert-butyl Ether	5.49	73	167244	23.667	ug/l	95
20) Methylene Chloride	4.96	84	103361	29.711	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	83094	22.934	ug/l	96
22) Diisopropyl ether	6.37	45	239776	24.235	ug/l	98
23) Vinyl Acetate	6.31	43	671025	119.561	ug/l	98
24) 1,1-Dichloroethane	6.26	63	147015	24.752	ug/l	97
25) 2-Butanone	7.23	43	111322	127.007	ug/l	98
26) 2,2-Dichloropropane	7.21	77	137860	24.964	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	90804	23.222	ug/l	95
28) Bromochloromethane	7.55	49	52561	22.765	ug/l	99
29) Tetrahydrofuran	7.57	42	64212	117.803	ug/l	96
30) Chloroform	7.71	83	153952	24.705	ug/l	100
31) Cyclohexane	7.99	56	135365	22.768	ug/l #	93
32) 1,1,1-Trichloroethane	7.90	97	143214	24.468	ug/l	98
36) 1,1-Dichloropropene	8.11	75	119978	23.316	ug/l	98
37) Ethyl Acetate	7.30	43	47173	23.335	ug/l	99
38) Carbon Tetrachloride	8.10	117	129714	23.641	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	138709	22.256	ug/l	96
40) Benzene	8.35	78	327885	23.341	ug/l	99
41) Methacrylonitrile	7.53	41	27565	23.502	ug/l	97
42) 1,2-Dichloroethane	8.43	62	100053	24.648	ug/l	98
43) Isopropyl Acetate	8.46	43	93094	23.137	ug/l	99
44) Trichloroethene	9.11	130	94497	22.899	ug/l	96
45) 1,2-Dichloropropane	9.39	63	78448	23.389	ug/l	95
46) Dibromomethane	9.48	93	43896	23.474	ug/l	97
47) Bromodichloromethane	9.67	83	116949	23.503	ug/l	93
48) Methyl methacrylate	9.46	41	41964	22.150	ug/l #	87
49) 1,4-Dioxane	9.47	88	10577	490.539	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	230181	115.738	ug/l	100
52) Toluene	10.41	92	209672	22.750	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	109867	23.683	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	130136	23.790	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	60106	23.851	ug/l	96
56) Ethyl methacrylate	10.67	69	70251	22.321	ug/l	98
57) 1,3-Dichloropropane	10.95	76	100548	23.172	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	148372	123.737	ug/l	99
59) 2-Hexanone	10.99	43	165678	122.738	ug/l	96
60) Dibromochloromethane	11.14	129	80393	23.069	ug/l	99
61) 1,2-Dibromoethane	11.25	107	55716	22.415	ug/l	98
64) Tetrachloroethene	10.88	164	83313	22.930	ug/l	98
65) Chlorobenzene	11.67	112	221239	22.508	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	87886	23.718	ug/l	98
67) Ethyl Benzene	11.75	91	401215	22.489	ug/l	96
68) m/p-Xylenes	11.86	106	311517	45.238	ug/l	99
69) o-Xylene	12.18	106	140478	22.585	ug/l	97
70) Styrene	12.20	104	243970	22.346	ug/l	99
71) Bromoform	12.37	173	46226	21.875	ug/l #	100
73) Isopropylbenzene	12.48	105	380147	22.871	ug/l	98
74) N-amyl acetate	12.29	43	82560	23.237	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	61583	23.586	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	40745m	22.185	ug/l	
77) Bromobenzene	12.77	156	94515	23.143	ug/l	99
78) n-propylbenzene	12.83	91	453370	23.381	ug/l	99
79) 2-Chlorotoluene	12.91	91	249247	23.399	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	312160	22.863	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	20731	23.607	ug/l	96
82) 4-Chlorotoluene	13.01	91	263977	23.287	ug/l	99
83) tert-Butylbenzene	13.23	119	267319	22.550	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	312230	22.962	ug/l	98
85) sec-Butylbenzene	13.41	105	373730	22.996	ug/l	100
86) p-Isopropyltoluene	13.52	119	350971	22.585	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	174842	22.457	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	174754	22.849	ug/l	98
89) n-Butylbenzene	13.85	91	320448	22.899	ug/l	100
90) Hexachloroethane	14.12	117	67764	22.828	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	147802	22.264	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9241	21.832	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	108417	22.179	ug/l	99
94) Hexachlorobutadiene	15.28	225	68063	22.127	ug/l	99
95) Naphthalene	15.41	128	168663	21.810	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	92428	22.149	ug/l	99

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

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