

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021120\
 Data File : VD065144.D
 Acq On : 11 Feb 2020 12:15
 Operator : VA/SY
 Sample : VD0211SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0211SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/12/2020 3:12:52 PM

Quant Time: Feb 12 07:15:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	454489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	682309	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	626144	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	304326	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	225337	58.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.68%	
35) Dibromofluoromethane	7.92	113	221712	58.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.48%	
50) Toluene-d8	10.34	98	874627	57.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.44%	
62) 4-Bromofluorobenzene	12.64	95	275671	57.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	77299	20.438	ug/l	98
3) Chloromethane	2.21	50	103166	23.172	ug/l	97
4) Vinyl Chloride	2.35	62	106179	22.551	ug/l	97
5) Bromomethane	2.76	94	65664	21.508	ug/l	95
6) Chloroethane	2.92	64	65670	22.484	ug/l	93
7) Trichlorofluoromethane	3.27	101	152601	22.270	ug/l	98
8) Diethyl Ether	3.71	74	41354	21.023	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	89695	21.412	ug/l	99
10) Methyl Iodide	4.29	142	90764	18.984	ug/l	98
11) Tert butyl alcohol	5.25	59	28797	122.016	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	83739	20.873	ug/l	92
13) Acrolein	3.93	56	26485	91.238	ug/l	97
14) Allyl chloride	4.71	41	136793	20.516	ug/l	98
15) Acrylonitrile	5.43	53	92975	108.110	ug/l	97
16) Acetone	4.17	43	93107	96.408	ug/l	94
17) Carbon Disulfide	4.40	76	278122	21.591	ug/l	98
18) Methyl Acetate	4.73	43	48877	24.223	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	177665	20.026	ug/l	98
20) Methylene Chloride	4.97	84	102184	21.808	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	96100	21.172	ug/l	93
22) Diisopropyl ether	6.37	45	275063	21.871	ug/l	93
23) Vinyl Acetate	6.31	43	705566	100.651	ug/l	100
24) 1,1-Dichloroethane	6.26	63	169807	22.306	ug/l	99
25) 2-Butanone	7.22	43	120787	104.849	ug/l	93
26) 2,2-Dichloropropane	7.21	77	146035	21.403	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	102508	21.258	ug/l	99
28) Bromochloromethane	7.55	49	58016	20.105	ug/l	99
29) Tetrahydrofuran	7.57	42	73709	105.803	ug/l	97
30) Chloroform	7.71	83	168825	22.273	ug/l	96
31) Cyclohexane	7.98	56	158749	20.659	ug/l #	94
32) 1,1,1-Trichloroethane	7.90	97	154191	21.838	ug/l	98
36) 1,1-Dichloropropene	8.11	75	135920	21.423	ug/l	99
37) Ethyl Acetate	7.30	43	53630	20.691	ug/l	100
38) Carbon Tetrachloride	8.10	117	143160	22.093	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	150420	19.208	ug/l	96
40) Benzene	8.35	78	376377	21.483	ug/l	99
41) Methacrylonitrile	7.53	41	31006	21.714	ug/l #	91
42) 1,2-Dichloroethane	8.43	62	106937	21.421	ug/l	97
43) Isopropyl Acetate	8.46	43	100515	20.273	ug/l	98
44) Trichloroethene	9.11	130	103698	20.621	ug/l	93
45) 1,2-Dichloropropane	9.39	63	93532	22.266	ug/l	92
46) Dibromomethane	9.48	93	49466	22.410	ug/l	97
47) Bromodichloromethane	9.67	83	128648	22.119	ug/l	100
48) Methyl methacrylate	9.46	41	47391	19.863	ug/l	96
49) 1,4-Dioxane	9.47	88	11247	430.192	ug/l	94
51) 4-Methyl-2-Pentanone	10.24	43	254653	104.345	ug/l	99
52) Toluene	10.41	92	242694	21.704	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	121002	21.368	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	145249	21.446	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	65783	21.727	ug/l	96
56) Ethyl methacrylate	10.67	69	75993	19.837	ug/l	96
57) 1,3-Dichloropropane	10.95	76	114945	21.590	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	124421	88.223	ug/l	99
59) 2-Hexanone	10.99	43	181561	105.030	ug/l	98
60) Dibromochloromethane	11.14	129	85948	21.917	ug/l	99
61) 1,2-Dibromoethane	11.25	107	64170	21.691	ug/l	100
64) Tetrachloroethene	10.88	164	96435	21.434	ug/l	98
65) Chlorobenzene	11.67	112	253240	20.911	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	94372	21.113	ug/l	100
67) Ethyl Benzene	11.75	91	449670	20.437	ug/l	100
68) m/p-Xylenes	11.86	106	349193	41.581	ug/l	98
69) o-Xylene	12.18	106	152204	20.127	ug/l	100
70) Styrene	12.20	104	270695	20.595	ug/l	100
71) Bromoform	12.37	173	49895	20.739	ug/l #	98
73) Isopropylbenzene	12.48	105	409330	19.597	ug/l	99
74) N-amyl acetate	12.30	43	86913	19.144	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	70733	21.516	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	57733m	25.057	ug/l	
77) Bromobenzene	12.77	156	101890	20.246	ug/l	96
78) n-propylbenzene	12.83	91	501749	20.512	ug/l	100
79) 2-Chlorotoluene	12.91	91	280857	20.598	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	347361	20.327	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	22562	19.584	ug/l	98
82) 4-Chlorotoluene	13.01	91	297306	20.761	ug/l	99
83) tert-Butylbenzene	13.23	119	280567	19.031	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	341614	20.136	ug/l	100
85) sec-Butylbenzene	13.41	105	403631	20.046	ug/l	99
86) p-Isopropyltoluene	13.53	119	373018	19.938	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	198454	21.062	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	193812	20.666	ug/l	99
89) n-Butylbenzene	13.86	91	348089	20.158	ug/l	98
90) Hexachloroethane	14.12	117	74066	20.907	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	159595	19.775	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11165	20.805	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	110728	19.196	ug/l	100
94) Hexachlorobutadiene	15.28	225	70582	19.900	ug/l	100
95) Naphthalene	15.41	128	175915	18.348	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	95308	19.316	ug/l	97

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

