

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011320\
 Data File : VD064844.D
 Acq On : 13 Jan 2020 12:42
 Operator : VA/SY
 Sample : VD0113SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBS01

Manual Integrations
 APPROVED

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

Quant Time: Jan 14 11:45:41 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	7.98	168	374665	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	559486	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	495048	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	238959	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	202283	61.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.46%	
35) Dibromofluoromethane	7.92	113	200051	58.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.56%	
50) Toluene-d8	10.34	98	745226	56.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.38%	
62) 4-Bromofluorobenzene	12.64	95	233949	56.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	64393	22.115	ug/l	94
3) Chloromethane	2.21	50	97922	24.047	ug/l	98
4) Vinyl Chloride	2.35	62	115586	23.280	ug/l	98
5) Bromomethane	2.76	94	77246	21.397	ug/l	100
6) Chloroethane	2.91	64	77968	23.436	ug/l	97
7) Trichlorofluoromethane	3.27	101	187334	22.408	ug/l	100
8) Diethyl Ether	3.71	74	39570	23.835	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.09	101	84434	24.387	ug/l	96
10) Methyl Iodide	4.29	142	82278	22.124	ug/l	99
11) Tert butyl alcohol	5.26	59	23381	123.487	ug/l #	91
12) 1,1-Dichloroethene	4.06	96	80119	24.306	ug/l	97
13) Acrolein	3.93	56	22970	87.049	ug/l	100
14) Allyl chloride	4.71	41	125103	24.343	ug/l	98
15) Acrylonitrile	5.43	53	86042	124.428	ug/l	98
16) Acetone	4.16	43	94820	130.804	ug/l	100
17) Carbon Disulfide	4.40	76	237088	22.244	ug/l	98
18) Methyl Acetate	4.72	43	45948	24.704	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	183001	24.995	ug/l	98
20) Methylene Chloride	4.96	84	100517	27.555	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	87054	23.190	ug/l	95
22) Diisopropyl ether	6.37	45	251824	24.567	ug/l	98
23) Vinyl Acetate	6.31	43	705809	121.381	ug/l	98
24) 1,1-Dichloroethane	6.26	63	152844	24.837	ug/l	95
25) 2-Butanone	7.22	43	119719	131.831	ug/l	95
26) 2,2-Dichloropropane	7.21	77	145459	25.423	ug/l	98
27) cis-1,2-Dichloroethene	7.22	96	98680	24.357	ug/l	98
28) Bromochloromethane	7.55	49	50713	21.200	ug/l	96
29) Tetrahydrofuran	7.57	42	69785	123.570	ug/l	97
30) Chloroform	7.71	83	162070	25.102	ug/l	97
31) Cyclohexane	7.98	56	142816	23.184	ug/l #	95
32) 1,1,1-Trichloroethane	7.90	97	149032	24.575	ug/l	99
36) 1,1-Dichloropropene	8.11	75	125991	23.396	ug/l	99
37) Ethyl Acetate	7.30	43	48302	22.832	ug/l #	91
38) Carbon Tetrachloride	8.10	117	135425	23.585	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	148579	22.780	ug/l	96
40) Benzene	8.36	78	343459	23.364	ug/l	100
41) Methacrylonitrile	7.53	41	32190	26.226	ug/l	97
42) 1,2-Dichloroethane	8.43	62	102042	24.021	ug/l	99
43) Isopropyl Acetate	8.46	43	97285	23.104	ug/l	98
44) Trichloroethene	9.11	130	99703	23.087	ug/l	91
45) 1,2-Dichloropropane	9.39	63	83858	23.892	ug/l	98
46) Dibromomethane	9.48	93	46135	23.575	ug/l	99
47) Bromodichloromethane	9.67	83	124140	23.840	ug/l	95
48) Methyl methacrylate	9.46	41	45979	23.191	ug/l	90
49) 1,4-Dioxane	9.47	88	10669	472.820	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	252080	121.117	ug/l	98
52) Toluene	10.41	92	223505	23.174	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	114618	23.609	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	135706	23.706	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	63216	23.970	ug/l	96
56) Ethyl methacrylate	10.67	69	73046	22.178	ug/l	97
57) 1,3-Dichloropropane	10.95	76	107854	23.752	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	159529	127.131	ug/l	98
59) 2-Hexanone	10.99	43	174029	123.196	ug/l	98
60) Dibromochloromethane	11.14	129	84736	23.234	ug/l	99
61) 1,2-Dibromoethane	11.25	107	59774	22.979	ug/l	100
64) Tetrachloroethene	10.88	164	92343	24.314	ug/l	99
65) Chlorobenzene	11.67	112	240122	23.370	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	91088	23.516	ug/l	99
67) Ethyl Benzene	11.75	91	425947	22.840	ug/l	98
68) m/p-Xylenes	11.86	106	325451	45.213	ug/l	98
69) o-Xylene	12.18	106	148536	22.846	ug/l	96
70) Styrene	12.20	104	258266	22.630	ug/l	99
71) Bromoform	12.37	173	53225	24.096	ug/l	94
73) Isopropylbenzene	12.48	105	403606	23.635	ug/l	98
74) N-amyl acetate	12.29	43	86930	23.814	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	66040	24.618	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	40442m	21.432	ug/l	
77) Bromobenzene	12.77	156	96055	22.892	ug/l	95
78) n-propylbenzene	12.83	91	474605	23.823	ug/l	98
79) 2-Chlorotoluene	12.91	91	257699	23.547	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	328091	23.389	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	22092	24.486	ug/l	94
82) 4-Chlorotoluene	13.01	91	273978	23.525	ug/l	99
83) tert-Butylbenzene	13.23	119	278124	22.836	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	328332	23.502	ug/l	96
85) sec-Butylbenzene	13.41	105	392525	23.508	ug/l	99
86) p-Isopropyltoluene	13.52	119	363850	22.789	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	185347	23.172	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	184106	23.429	ug/l	99
89) n-Butylbenzene	13.85	91	337984	23.507	ug/l	98
90) Hexachloroethane	14.12	117	71857	23.561	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	156916	23.006	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11266	25.906	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	112688	22.438	ug/l	97
94) Hexachlorobutadiene	15.28	225	69404	21.961	ug/l	98
95) Naphthalene	15.41	128	178291	22.440	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	96001	22.391	ug/l	99

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

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