

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100219\
 Data File : VD063871.D
 Acq On : 02 Oct 2019 20:58
 Operator : VA/SY
 Sample : MDL03
 Misc : 5.00µ/5.00mL/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

MMDadoda
 10/4/2019 4:32:57 PM

Quant Time: Oct 03 04:45:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 03 04:40:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	181147	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	298518	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	290329	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	144590	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	84148	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	
35) Dibromofluoromethane	7.92	113	81082	44.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.88%	
50) Toluene-d8	10.34	98	337550	45.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.18%	
62) 4-Bromofluorobenzene	12.63	95	106701	41.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.98	85	3697	2.878	ug/l	89
3) Chloromethane	2.21	50	12553	3.191	ug/l	92
4) Vinyl Chloride	2.35	62	12376	2.981	ug/l	93
5) Bromomethane	2.77	94	9104	3.411	ug/l	87
6) Chloroethane	2.93	64	8547	3.113	ug/l #	85
7) Trichlorofluoromethane	3.27	101	16133	2.939	ug/l	85
8) Diethyl Ether	3.70	74	3186	3.616	ug/l	62
9) 1,1,2-Trichlorotrifluoroet	4.09	101	4622	3.042	ug/l #	73
10) Methyl Iodide	4.29	142	5421	2.589	ug/l	96
11) Tert butyl alcohol	5.26	59	1749m	13.982	ug/l	
12) 1,1-Dichloroethene	4.06	96	4332	2.853	ug/l	92
13) Acrolein	3.92	56	2727	17.313	ug/l #	36
14) Allyl chloride	4.71	41	7396	2.930	ug/l #	39
15) Acrylonitrile	5.44	53	6220	16.011	ug/l #	33
16) Acetone	4.17	43	6781	14.768	ug/l #	80
17) Carbon Disulfide	4.40	76	14375	2.605	ug/l	100
18) Methyl Acetate	4.73	43	3674m	4.091	ug/l	
19) Methyl tert-butyl Ether	5.49	73	10272	2.613	ug/l #	84
20) Methylene Chloride	4.97	84	13868	5.885	ug/l	84
21) trans-1,2-Dichloroethene	5.46	96	4657m	2.464	ug/l	
22) Diisopropyl ether	6.37	45	14917	2.894	ug/l #	80
23) Vinyl Acetate	6.31	43	39994	13.042	ug/l	100
24) 1,1-Dichloroethane	6.27	63	8630	2.718	ug/l #	78
25) 2-Butanone	7.23	43	9490	17.440	ug/l #	84
26) 2,2-Dichloropropane	7.21	77	8994	3.131	ug/l	79
27) cis-1,2-Dichloroethene	7.22	96	6050	2.828	ug/l	86
28) Bromochloromethane	7.54	49	3955	3.324	ug/l	93
29) Tetrahydrofuran	7.59	42	4518	14.225	ug/l	98
30) Chloroform	7.71	83	10753	3.118	ug/l	90
31) Cyclohexane	7.99	56	12059	4.050	ug/l #	80
32) 1,1,1-Trichloroethane	7.91	97	7757	2.622	ug/l #	24
36) 1,1-Dichloropropene	8.11	75	7934	2.907	ug/l #	85
37) Ethyl Acetate	7.31	43	3884m	3.136	ug/l	
38) Carbon Tetrachloride	8.10	117	6885	2.496	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.35	83	10062	2.998	ug/l #	87
40) Benzene	8.36	78	20368	2.604	ug/l #	74
41) Methacrylonitrile	7.53	41	1334	2.108	ug/l #	46
42) 1,2-Dichloroethane	8.44	62	5890	2.603	ug/l	99
43) Isopropyl Acetate	8.47	43	6637	2.900	ug/l #	72
44) Trichloroethene	9.11	130	6453	2.861	ug/l	100
45) 1,2-Dichloropropane	9.38	63	5162	2.696	ug/l	96
46) Dibromomethane	9.48	93	3019	2.769	ug/l	88
47) Bromodichloromethane	9.67	83	7312	2.605	ug/l #	88
48) Methyl methacrylate	9.47	41	3470	3.164	ug/l	91
49) 1,4-Dioxane	9.48	88	916	61.547	ug/l #	69
51) 4-Methyl-2-Pentanone	10.24	43	18022	15.181	ug/l	94
52) Toluene	10.40	92	14410	2.684	ug/l	88
53) t-1,3-Dichloropropene	10.62	75	6589	2.405	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	8459	2.683	ug/l #	84
55) 1,1,2-Trichloroethane	10.80	97	3603	2.340	ug/l #	82
56) Ethyl methacrylate	10.66	69	5410	2.775	ug/l #	93
57) 1,3-Dichloropropane	10.95	76	6469	2.456	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	9823	11.722	ug/l	92
59) 2-Hexanone	10.99	43	10444	12.162	ug/l	94
60) Dibromochloromethane	11.14	129	4180	2.086	ug/l	96
61) 1,2-Dibromoethane	11.24	107	4058	2.719	ug/l	95
64) Tetrachloroethene	10.88	164	5099	2.573	ug/l #	75
65) Chlorobenzene	11.67	112	15361	2.635	ug/l #	87
66) 1,1,1,2-Tetrachloroethane	11.74	131	4696	2.186	ug/l	86
67) Ethyl Benzene	11.74	91	27209	2.588	ug/l	96
68) m/p-Xylenes	11.85	106	20402	5.028	ug/l	92
69) o-Xylene	12.18	106	8628	2.220	ug/l	94
70) Styrene	12.20	104	15494	2.355	ug/l	96
71) Bromoform	12.36	173	2808	2.435	ug/l #	97
73) Isopropylbenzene	12.48	105	25936	2.668	ug/l	99
74) N-amyl acetate	12.29	43	5708	2.728	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	4117	2.434	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	3386m	3.496	ug/l	
77) Bromobenzene	12.76	156	5921	2.445	ug/l	82
78) n-propylbenzene	12.82	91	30831	2.702	ug/l	89
79) 2-Chlorotoluene	12.91	91	17974	2.857	ug/l	94
80) 1,3,5-Trimethylbenzene	12.96	105	20321	2.506	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	1470m	2.686	ug/l	
82) 4-Chlorotoluene	13.01	91	17676	2.649	ug/l	98
83) tert-Butylbenzene	13.22	119	19263	2.669	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	18879	2.258	ug/l	96
85) sec-Butylbenzene	13.40	105	24254	2.489	ug/l	93
86) p-Isopropyltoluene	13.52	119	23101	2.505	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	12262	2.563	ug/l	93
88) 1,4-Dichlorobenzene	13.60	146	12502	2.648	ug/l	91
89) n-Butylbenzene	13.84	91	22191	2.585	ug/l	96
90) Hexachloroethane	14.10	117	3903	2.353	ug/l	93
91) 1,2-Dichlorobenzene	13.89	146	10911	2.646	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	708	2.420	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	8552	2.688	ug/l	88
94) Hexachlorobutadiene	15.27	225	4451	2.535	ug/l	87
95) Naphthalene	15.41	128	12550	2.347	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.60	180	6097	2.221	ug/l	87

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

