

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101119\
 Data File : VD063944.D
 Acq On : 11 Oct 2019 18:33
 Operator : VA/SY
 Sample : K5325-10
 Misc : 5.78G/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 10-10-I

Quant Time: Oct 12 01:38:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.87	168	66	50.00	ug/l	-0.12
34) 1,4-Difluorobenzene	8.92	114	76	50.00	ug/l	0.05
63) Chlorobenzene-d5	11.88	117	91	50.00	ug/l	0.24
72) 1,4-Dichlorobenzene-d4	13.58	152	58	50.00	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	63	98.05	ug/l	-0.32
Spiked Amount	50.000		Recovery	=	196.10%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	10.35	98	83	44.03	ug/l	0.01
Spiked Amount	50.000		Recovery	=	88.06%	
62) 4-Bromofluorobenzene	12.72	95	95	145.02	ug/l	0.09
Spiked Amount	50.000		Recovery	=	290.04%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	56	119.644	ug/l #	47
3) Chloromethane	2.14	50	60	47.212	ug/l #	40
4) Vinyl Chloride	2.21	62	111	73.375	ug/l #	43
6) Chloroethane	2.87	64	58	57.974	ug/l #	46
8) Diethyl Ether	3.49	74	132	411.175	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	3.88	101	73	131.854	ug/l #	16
11) Tert butyl alcohol	5.05	59	202	4666.784	ug/l #	71
13) Acrolein	3.79	56	59	1028.062	ug/l #	64
14) Allyl chloride	4.63	41	68	73.943	ug/l #	1
15) Acrylonitrile	5.27	53	66	466.308	ug/l #	53
16) Acetone	4.09	43	142	848.809	ug/l #	42
17) Carbon Disulfide	4.13	76	58	28.846	ug/l #	79
18) Methyl Acetate	4.69	43	126	385.078	ug/l #	49
19) Methyl tert-butyl Ether	5.34	73	56	39.097	ug/l #	53
20) Methylene Chloride	4.76	84	114	160.211	ug/l #	7
22) Diisopropyl ether	6.29	45	83	44.192	ug/l #	38
23) Vinyl Acetate	6.23	43	179	160.209	ug/l #	71
24) 1,1-Dichloroethane	6.13	63	59	51.000	ug/l #	82
25) 2-Butanone	7.06	43	59	297.588	ug/l #	51
26) 2,2-Dichloropropane	6.93	77	58	55.423	ug/l #	53
28) Bromochloromethane	7.54	49	196	430.879	ug/l #	10
29) Tetrahydrofuran	7.52	42	67	578.979	ug/l #	31
30) Chloroform	7.54	83	98	77.994	ug/l #	20
31) Cyclohexane	7.79	56	79	85.423	ug/l #	12
36) 1,1-Dichloropropene	8.21	75	59	84.906	ug/l #	41
37) Ethyl Acetate	7.35	43	322	1251.449	ug/l #	85
39) Methylcyclohexane	9.24	83	67	78.418	ug/l #	18
40) Benzene	8.40	78	56	28.122	ug/l #	52
41) Methacrylonitrile	7.56	41	113	701.396	ug/l #	25
43) Isopropyl Acetate	8.50	43	97	166.450	ug/l #	49
45) 1,2-Dichloropropane	9.26	63	127	260.560	ug/l #	41
47) Bromodichloromethane	9.73	83	64	89.551	ug/l #	26
48) Methyl methacrylate	9.50	41	246	881.033	ug/l #	40
49) 1,4-Dioxane	9.58	88	137	36156.964	ug/l #	24

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

51) 4-Methyl-2-Pentanone	10.26	43	72	238.229	ug/l #	28
53) t-1,3-Dichloropropene	10.63	75	57	81.732	ug/l #	46
54) cis-1,3-Dichloropropene	10.15	75	62	77.232	ug/l #	27
55) 1,1,2-Trichloroethane	10.83	97	74	188.805	ug/l #	14
56) Ethyl methacrylate	10.81	69	83	167.226	ug/l #	1
57) 1,3-Dichloropropane	11.08	76	70	104.385	ug/l #	41
58) 2-Chloroethyl Vinyl ether	10.06	63	61	285.924	ug/l #	1
59) 2-Hexanone	10.77	43	170	777.588	ug/l	84
61) 1,2-Dibromoethane	11.11	107	135	355.291	ug/l #	3
64) Tetrachloroethene	10.96	164	116	186.725	ug/l #	1
65) Chlorobenzene	11.53	112	77	42.133	ug/l #	43
66) 1,1,1,2-Tetrachloroethane	11.78	131	67	99.495	ug/l #	8
67) Ethyl Benzene	11.68	91	59	17.904	ug/l #	44
68) m/p-Xylenes	11.58	106	63	49.530	ug/l #	1
69) o-Xylene	12.30	106	65	53.369	ug/l #	1
70) Styrene	12.16	104	57	27.646	ug/l #	27
71) Bromoform	12.23	173	54	149.421	ug/l #	28
74) N-amyl acetate	12.29	43	59	70.282	ug/l #	41
76) 1,2,3-Trichloropropane	12.63	75	87	223.957	ug/l #	100
77) Bromobenzene	12.80	156	59	60.736	ug/l #	1
78) n-propylbenzene	12.83	91	58	12.673	ug/l #	51
79) 2-Chlorotoluene	12.83	91	58	22.983	ug/l #	38
81) trans-1,4-Dichloro-2-buten	12.49	75	82	373.537	ug/l #	12
82) 4-Chlorotoluene	13.07	91	57	21.292	ug/l #	1
83) tert-Butylbenzene	13.28	119	54	18.653	ug/l #	34
85) sec-Butylbenzene	13.61	105	71	18.160	ug/l #	55
86) p-Isopropyltoluene	13.28	119	54	14.596	ug/l #	1
87) 1,3-Dichlorobenzene	13.68	146	88	45.847	ug/l #	26
88) 1,4-Dichlorobenzene	13.68	146	88	46.473	ug/l #	25
89) n-Butylbenzene	13.89	91	72	20.908	ug/l #	32
90) Hexachloroethane	14.10	117	58	87.168	ug/l #	9
91) 1,2-Dichlorobenzene	13.68	146	88	53.200	ug/l #	26
92) 1,2-Dibromo-3-Chloropropan	14.60	75	58	576.050	ug/l #	1
95) Naphthalene	15.18	128	73	34.029	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.46	180	68	61.750	ug/l #	13

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

