

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101619\
 Data File : VD063989.D
 Acq On : 16 Oct 2019 16:03
 Operator : VA/SY
 Sample : K5393-25RE
 Misc : 6.78G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T-13-V1-(24)RE

Quant Time: Oct 16 18:09:07 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	8.01	168	59	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.87	114	136	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	60	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.36	65	61	106.20	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	212.40%	
35) Dibromofluoromethane	7.93	113	70	84.22	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	168.44%	
50) Toluene-d8	10.35	98	284	84.19	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	168.38%	
62) 4-Bromofluorobenzene	12.61	95	74	63.13	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	126.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.19	85	60	143.399	ug/l #	47
3) Chloromethane	2.30	50	53	46.595	ug/l #	40
4) Vinyl Chloride	2.40	62	119	87.997	ug/l #	43
5) Bromomethane	2.96	94	63	72.464	ug/l #	5
6) Chloroethane	2.93	64	57	63.734	ug/l #	46
8) Diethyl Ether	3.77	74	72	250.886	ug/l #	25
9) 1,1,2-Trichlorotrifluoroet	4.15	101	59	119.210	ug/l #	16
10) Methyl Iodide	4.12	142	54	79.182	ug/l #	40
11) Tert butyl alcohol	5.23	59	59	1519.212	ug/l #	71
12) 1,1-Dichloroethene	4.00	96	72	145.610	ug/l #	1
13) Acrolein	4.19	56	66	1286.480	ug/l #	17
14) Allyl chloride	4.69	41	68	82.716	ug/l #	19
15) Acrylonitrile	5.47	53	72	569.053	ug/l #	17
16) Acetone	4.21	43	272	1818.790	ug/l #	42
17) Carbon Disulfide	4.23	76	121	67.318	ug/l #	79
18) Methyl Acetate	4.74	43	72	246.151	ug/l #	49
19) Methyl tert-butyl Ether	5.44	73	65	50.764	ug/l #	53
20) Methylene Chloride	5.03	84	62	96.216	ug/l #	7
21) trans-1,2-Dichloroethene	5.34	96	60	97.473	ug/l #	1
22) Diisopropyl ether	6.38	45	82	48.840	ug/l #	38
23) Vinyl Acetate	6.27	43	68	68.082	ug/l #	71
24) 1,1-Dichloroethane	6.35	63	58	56.084	ug/l #	1
25) 2-Butanone	7.20	43	54	304.684	ug/l #	51
26) 2,2-Dichloropropane	7.23	77	57	60.930	ug/l #	53
27) cis-1,2-Dichloroethene	7.26	96	73	104.775	ug/l #	1
28) Bromochloromethane	7.57	49	93	229.579	ug/l #	10
29) Tetrahydrofuran	7.50	42	59	570.337	ug/l #	31
30) Chloroform	7.69	83	58	51.637	ug/l #	20
31) Cyclohexane	7.84	56	61	73.194	ug/l #	12
32) 1,1,1-Trichloroethane	7.86	97	62	64.347	ug/l #	24
36) 1,1-Dichloropropene	8.17	75	56	45.035	ug/l #	41
37) Ethyl Acetate	7.20	43	54	113.353	ug/l #	1
38) Carbon Tetrachloride	8.24	117	159	126.533	ug/l #	15
39) Methylcyclohexane	9.46	83	61	39.897	ug/l #	18

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.36	78	96	26.940	ug/l #	52
41) Methacrylonitrile	7.50	41	241	835.943	ug/l #	26
43) Isopropyl Acetate	8.47	43	65	62.331	ug/l #	49
45) 1,2-Dichloropropane	9.37	63	191	218.984	ug/l #	41
47) Bromodichloromethane	9.46	83	61	47.697	ug/l #	26
48) Methyl methacrylate	9.47	41	53	106.074	ug/l #	9
51) 4-Methyl-2-Pentanone	10.24	43	160	295.840	ug/l #	34
52) Toluene	10.66	92	65	26.571	ug/l #	1
53) t-1,3-Dichloropropene	10.62	75	64	51.283	ug/l #	46
54) cis-1,3-Dichloropropene	9.96	75	60	41.767	ug/l #	40
55) 1,1,2-Trichloroethane	10.80	97	137	195.334	ug/l #	14
56) Ethyl methacrylate	10.66	69	66	74.309	ug/l #	1
57) 1,3-Dichloropropane	10.81	76	80	66.666	ug/l #	41
58) 2-Chloroethyl Vinyl ether	10.14	63	54	141.445	ug/l #	1
59) 2-Hexanone	11.03	43	81	207.043	ug/l	76
60) Dibromochloromethane	11.20	129	79	86.518	ug/l #	9
61) 1,2-Dibromoethane	11.28	107	62	91.184	ug/l	87
64) Tetrachloroethene	10.70	164	59	25.344	ug/l #	1
65) Chlorobenzene	11.67	112	62	9.053	ug/l #	43
67) Ethyl Benzene	11.73	91	139	11.256	ug/l #	44
68) m/p-Xylenes	11.95	106	56	11.749	ug/l #	1
69) o-Xylene	12.16	106	153	33.524	ug/l #	1
70) Styrene	12.10	104	80	10.354	ug/l #	42
71) Bromoform	12.33	173	137	101.164	ug/l #	28
73) Isopropylbenzene	12.48	105	165	40.907	ug/l #	48
74) N-amyl acetate	12.28	43	251	289.031	ug/l #	33
75) 1,1,2,2-Tetrachloroethane	12.71	83	71	101.157	ug/l #	26
76) 1,2,3-Trichloropropane	12.79	75	63	156.770	ug/l #	100
77) Bromobenzene	12.84	156	60	59.706	ug/l #	1
78) n-propylbenzene	12.83	91	67	14.152	ug/l #	51
79) 2-Chlorotoluene	12.90	91	70	26.814	ug/l #	38
80) 1,3,5-Trimethylbenzene	12.93	105	115	34.175	ug/l #	26
81) trans-1,4-Dichloro-2-buten	12.64	75	56	246.595	ug/l #	16
82) 4-Chlorotoluene	13.00	91	74	26.721	ug/l #	38
83) tert-Butylbenzene	13.21	119	126	42.073	ug/l #	29
84) 1,2,4-Trimethylbenzene	13.27	105	253	72.929	ug/l	79
85) sec-Butylbenzene	13.48	105	64	15.824	ug/l #	55
86) p-Isopropyltoluene	13.62	119	57	14.894	ug/l #	1
87) 1,3-Dichlorobenzene	13.26	146	65	32.736	ug/l #	13
88) 1,4-Dichlorobenzene	13.83	146	57	29.098	ug/l #	25
89) n-Butylbenzene	13.85	91	57	16.001	ug/l #	8
90) Hexachloroethane	14.11	117	119	172.884	ug/l	69
91) 1,2-Dichlorobenzene	13.83	146	57	33.311	ug/l #	26
92) 1,2-Dibromo-3-Chloropropan	14.38	75	68	653.202	ug/l #	41
93) 1,2,4-Trichlorobenzene	15.10	180	56	42.413	ug/l #	12
94) Hexachlorobutadiene	15.50	225	54	74.114	ug/l #	20
95) Naphthalene	15.39	128	111	50.018	ug/l #	1

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

