

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD032719\
 Data File : VD061348.D
 Acq On : 27 Mar 2019 11:44
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Mar 28 09:16:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:14:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	733950	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.20	114	1235883	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.35	117	1055472	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	465407	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	36670	5.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	11.70%	
35) Dibromofluoromethane	6.91	113	48946	5.18	ug/l	0.01
Spiked Amount 50.000			Recovery	=	10.36%	
50) Toluene-d8	10.39	98	128707	5.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	11.36%	
62) 4-Bromofluorobenzene	13.54	95	48982	5.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	11.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	41337	5.274	ug/l	100
3) Chloromethane	1.76	50	34890	5.458	ug/l	97
4) Vinyl Chloride	1.86	62	29748	5.068	ug/l	96
5) Bromomethane	2.17	94	6778	5.824	ug/l #	90
6) Chloroethane	2.27	64	8873	5.155	ug/l	95
7) Trichlorofluoromethane	2.54	101	47961	5.619	ug/l	99
8) Diethyl Ether	2.87	74	13869	5.047	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.16	101	47660	5.194	ug/l	93
10) Methyl Iodide	3.31	142	43125	6.343	ug/l #	92
11) Tert butyl alcohol	4.06	59	9765	25.009	ug/l #	76
12) 1,1-Dichloroethene	3.14	96	41038	5.209	ug/l	91
13) Acrolein	3.04	56	8200	5.119	ug/l	95
14) Allyl chloride	3.62	41	57665	5.248	ug/l	99
15) Acrylonitrile	4.18	53	33395	24.642	ug/l	96
16) Acetone	3.22	43	39343	24.410	ug/l	92
17) Carbon Disulfide	3.38	76	135114	5.279	ug/l	100
18) Methyl Acetate	3.63	43	20818	6.143	ug/l	98
19) Methyl tert-butyl Ether	4.23	73	67973	4.985	ug/l	100
20) Methylene Chloride	3.81	84	72082	6.306	ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	44195	5.196	ug/l	96
22) Diisopropyl ether	5.10	45	115928	4.986	ug/l	92
23) Vinyl Acetate	5.04	43	316198	25.035	ug/l	100
24) 1,1-Dichloroethane	4.97	63	72385	5.297	ug/l	98
25) 2-Butanone	6.05	43	49504	24.417	ug/l	97
26) 2,2-Dichloropropane	6.02	77	53426	4.918	ug/l	92
27) cis-1,2-Dichloroethene	6.03	96	45561	4.889	ug/l	89
28) Bromochloromethane	6.42	49	28638	5.192	ug/l	92
29) Tetrahydrofuran	6.44	42	25316	25.762	ug/l	97
30) Chloroform	6.66	83	69823	4.945	ug/l	100
31) Cyclohexane	6.94	56	54591	5.055	ug/l	93
32) 1,1,1-Trichloroethane	6.85	97	62275	4.999	ug/l	95
36) 1,1-Dichloropropene	7.13	75	63805	5.915	ug/l	97
37) Ethyl Acetate	6.17	43	24440	5.298	ug/l	97
38) Carbon Tetrachloride	7.09	117	66757	5.436	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	62503	5.564	ug/l	97
40) Benzene	7.44	78	147610	5.453	ug/l	94
41) Methacrylonitrile	6.42	41	28119	5.213	ug/l #	95
42) 1,2-Dichloroethane	7.56	62	40660	5.021	ug/l	95
43) Isopropyl Acetate	9.21	43	32751	4.879	ug/l	98
44) Trichloroethene	8.52	130	53147	5.275	ug/l	98
45) 1,2-Dichloropropane	8.92	63	32716	4.766	ug/l	94
46) Dibromomethane	9.05	93	22693	4.912	ug/l	98
47) Bromodichloromethane	9.35	83	51141	4.932	ug/l	94
48) Methyl methacrylate	9.10	41	18481	4.989	ug/l	99
49) 1,4-Dioxane	9.06	88	3378	82.677	ug/l #	76
51) 4-Methyl-2-Pentanone	10.28	43	106076	25.977	ug/l	98
52) Toluene	10.48	92	95632	5.790	ug/l	94
53) t-1,3-Dichloropropene	10.89	75	46376	4.922	ug/l	95
54) cis-1,3-Dichloropropene	10.02	75	61292	5.343	ug/l	92
55) 1,1,2-Trichloroethane	11.16	97	31852	5.515	ug/l	92
56) Ethyl methacrylate	11.02	69	28677	4.622	ug/l #	89
57) 1,3-Dichloropropane	11.39	76	44185	5.205	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.83	63	83281	27.561	ug/l	98
59) 2-Hexanone	11.51	43	77586	26.224	ug/l	98
60) Dibromochloromethane	11.67	129	44250	4.970	ug/l	96
61) 1,2-Dibromoethane	11.78	107	33341	4.985	ug/l	95
64) Tetrachloroethene	11.23	164	43734	5.280	ug/l	95
65) Chlorobenzene	12.38	112	114409	5.304	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.49	131	39562	4.737	ug/l	97
67) Ethyl Benzene	12.50	91	174222	5.292	ug/l	96
68) m/p-Xylenes	12.65	106	131741	10.563	ug/l	99
69) o-Xylene	13.03	106	56857	4.698	ug/l	95
70) Styrene	13.05	104	104483	4.952	ug/l	97
71) Bromoform	13.22	173	24324	4.594	ug/l	99
73) Isopropylbenzene	13.39	105	181361	5.599	ug/l	99
74) N-amyl acetate	13.25	43	45818	5.078	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.68	83	34917	5.110	ug/l	96
76) 1,2,3-Trichloropropane	13.71	75	33885	5.040	ug/l	98
77) Bromobenzene	13.65	156	48435	5.044	ug/l	86
78) n-propylbenzene	13.75	91	200443	5.057	ug/l	94
79) 2-Chlorotoluene	13.82	91	118326	5.498	ug/l	99
80) 1,3,5-Trimethylbenzene	13.92	105	149612	5.589	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	8106	3.954	ug/l	91
82) 4-Chlorotoluene	13.93	91	142159	6.074	ug/l	93
83) tert-Butylbenzene	14.18	119	162306	5.168	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	144440	5.309	ug/l	98
85) sec-Butylbenzene	14.35	105	170192	5.101	ug/l	99
86) p-Isopropyltoluene	14.47	119	155998	5.529	ug/l	96
87) 1,3-Dichlorobenzene	14.44	146	82877	5.097	ug/l	94
88) 1,4-Dichlorobenzene	14.52	146	83926	5.292	ug/l	96
89) n-Butylbenzene	14.79	91	153993	5.946	ug/l	98
90) Hexachloroethane	14.99	117	40394	5.068	ug/l	85
91) 1,2-Dichlorobenzene	14.80	146	78213	5.864	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.37	75	3484	4.347	ug/l	68

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	30298	4.986	ug/l	93
94) Hexachlorobutadiene	16.03	225	23942	5.043	ug/l	95
95) Naphthalene	16.11	128	44462	4.801	ug/l	99
96) 1,2,3-Trichlorobenzene	16.25	180	11135	4.165	ug/l	94

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

