

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062119\
 Data File : VD062806.D
 Acq On : 21 Jun 2019 10:13
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 22 04:27:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	880858	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.24	114	1201018	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.39	117	1045784	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	599534	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	433814	45.31	ug/l	0.02
Spiked Amount			Recovery	=	90.62%	
35) Dibromofluoromethane	6.95	113	421768	41.65	ug/l	0.02
Spiked Amount			Recovery	=	83.30%	
50) Toluene-d8	10.44	98	938394	42.58	ug/l	0.02
Spiked Amount			Recovery	=	85.16%	
62) 4-Bromofluorobenzene	13.57	95	413669	41.28	ug/l	0.01
Spiked Amount			Recovery	=	82.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	535895	47.014	ug/l	99
3) Chloromethane	1.77	50	367975	42.925	ug/l #	88
4) Vinyl Chloride	1.86	62	371470	43.705	ug/l	95
5) Bromomethane	2.17	94	203130	51.032	ug/l	98
6) Chloroethane	2.28	64	182908	47.533	ug/l #	87
7) Trichlorofluoromethane	2.54	101	875918	50.921	ug/l	99
8) Diethyl Ether	2.89	74	113762	52.051	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.16	101	444238	47.671	ug/l	91
10) Methyl Iodide	3.32	142	552336	44.926	ug/l	91
11) Tert butyl alcohol	4.11	59	100723	230.973	ug/l	100
12) 1,1-Dichloroethene	3.14	96	336432	48.125	ug/l	86
13) Acrolein	3.05	56	137112	307.987	ug/l	85
14) Allyl chloride	3.65	41	494969	47.918	ug/l	91
15) Acrylonitrile	4.24	53	235130	229.469	ug/l	91
16) Acetone	3.24	43	507897	261.909	ug/l	99
17) Carbon Disulfide	3.39	76	980999	43.908	ug/l	96
18) Methyl Acetate	3.67	43	149718	51.799	ug/l	94
19) Methyl tert-butyl Ether	4.27	73	775965	51.274	ug/l	95
20) Methylene Chloride	3.84	84	325787	44.615	ug/l	95
21) trans-1,2-Dichloroethene	4.25	96	350970	47.150	ug/l	91
22) Diisopropyl ether	5.16	45	1014916	48.313	ug/l	96
23) Vinyl Acetate	5.09	43	3290602	250.332	ug/l	99
24) 1,1-Dichloroethane	5.01	63	657081	48.042	ug/l	98
25) 2-Butanone	6.11	43	476458	266.062	ug/l	95
26) 2,2-Dichloropropane	6.06	77	755376	52.105	ug/l	97
27) cis-1,2-Dichloroethene	6.07	96	374517	47.578	ug/l	86
28) Bromochloromethane	6.47	49	198277	41.161	ug/l	90
29) Tetrahydrofuran	6.49	42	222677	262.812	ug/l	95
30) Chloroform	6.70	83	847089	50.927	ug/l	95
31) Cyclohexane	6.98	56	420783	46.799	ug/l	98
32) 1,1,1-Trichloroethane	6.90	97	901813	52.053	ug/l	92
36) 1,1-Dichloropropene	7.18	75	551517	48.509	ug/l	95
37) Ethyl Acetate	6.21	43	218675	45.692	ug/l	99
38) Carbon Tetrachloride	7.14	117	881679m	51.563	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.89	83	452313	45.196	ug/l	96
40) Benzene	7.48	78	1112037	48.727	ug/l	97
41) Methacrylonitrile	6.48	41	303789	50.667	ug/l #	94
42) 1,2-Dichloroethane	7.60	62	688150	55.274	ug/l	100
43) Isopropyl Acetate	9.27	43	301165	50.526	ug/l	99
44) Trichloroethene	8.57	130	420316	46.978	ug/l	96
45) 1,2-Dichloropropane	8.97	63	266249	46.918	ug/l	99
46) Dibromomethane	9.09	93	250334	51.354	ug/l	94
47) Bromodichloromethane	9.40	83	687277	54.287	ug/l	98
48) Methyl methacrylate	9.15	41	213145	50.320	ug/l	94
49) 1,4-Dioxane	9.12	88	36220	1027.809	ug/l	96
51) 4-Methyl-2-Pentanone	10.33	43	1106124	261.743	ug/l	100
52) Toluene	10.54	92	731769	47.701	ug/l	95
53) t-1,3-Dichloropropene	10.94	75	559720	54.016	ug/l	97
54) cis-1,3-Dichloropropene	10.06	75	582376	51.708	ug/l	97
55) 1,1,2-Trichloroethane	11.22	97	261626	49.639	ug/l	95
56) Ethyl methacrylate	11.07	69	280083	49.726	ug/l	99
57) 1,3-Dichloropropane	11.43	76	420252	52.076	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.89	63	712765	246.490	ug/l	99
59) 2-Hexanone	11.56	43	883416	293.522	ug/l	93
60) Dibromochloromethane	11.71	129	521402	53.112	ug/l	99
61) 1,2-Dibromoethane	11.83	107	322189	51.759	ug/l	94
64) Tetrachloroethene	11.28	164	401131	46.605	ug/l	98
65) Chlorobenzene	12.42	112	928649	47.847	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.53	131	451479	49.741	ug/l	95
67) Ethyl Benzene	12.54	91	1681521	48.256	ug/l	98
68) m/p-Xylenes	12.68	106	1159408	95.530	ug/l	97
69) o-Xylene	13.07	106	576510	51.963	ug/l	97
70) Styrene	13.09	104	992624	50.937	ug/l	99
71) Bromoform	13.25	173	332372	53.447	ug/l	98
73) Isopropylbenzene	13.42	105	1723055	44.823	ug/l	99
74) N-amyl acetate	13.28	43	485093	51.963	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.72	83	308896	49.318	ug/l	99
76) 1,2,3-Trichloropropane	13.75	75	332393	48.025	ug/l	97
77) Bromobenzene	13.69	156	508880	49.217	ug/l	99
78) n-propylbenzene	13.79	91	2067694	46.214	ug/l	93
79) 2-Chlorotoluene	13.85	91	1245925	48.728	ug/l	99
80) 1,3,5-Trimethylbenzene	13.95	105	1567644	48.550	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.49	75	89969	49.599	ug/l	91
82) 4-Chlorotoluene	13.96	91	1468688	47.711	ug/l	99
83) tert-Butylbenzene	14.20	119	1663984	46.233	ug/l	86
84) 1,2,4-Trimethylbenzene	14.25	105	1537836	46.468	ug/l	94
85) sec-Butylbenzene	14.39	105	1664540	42.553	ug/l	97
86) p-Isopropyltoluene	14.50	119	1652029	46.164	ug/l	99
87) 1,3-Dichlorobenzene	14.47	146	894648	48.270	ug/l	97
88) 1,4-Dichlorobenzene	14.55	146	840643	45.157	ug/l	98
89) n-Butylbenzene	14.81	91	1395094	41.651	ug/l	98
90) Hexachloroethane	15.03	117	458492	47.651	ug/l	89
91) 1,2-Dichlorobenzene	14.82	146	711427	44.864	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	15.39	75	63538	51.975	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	593243	47.891	ug/l	96
94) Hexachlorobutadiene	16.05	225	432905	45.745	ug/l	97
95) Naphthalene	16.14	128	757595	43.635	ug/l	99
96) 1,2,3-Trichlorobenzene	16.29	180	466563	49.021	ug/l	98

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

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