

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080119\
 Data File : VD063285.D
 Acq On : 1 Aug 2019 10:17
 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: Aug 02 07:22:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1069687	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1475113	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1300316	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	595455	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	623405	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	
35) Dibromofluoromethane	6.91	113	629254	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
50) Toluene-d8	10.40	98	1449130	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
62) 4-Bromofluorobenzene	13.55	95	595585	46.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.74%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.56	85	604861	46.259	ug/l 96
3) Chloromethane	1.74	50	468024	46.070	ug/l 92
4) Vinyl Chloride	1.84	62	498754	47.425	ug/l 95
5) Bromomethane	2.14	94	266342	50.215	ug/l 98
6) Chloroethane	2.25	64	239225	49.269	ug/l 96
7) Trichlorofluoromethane	2.52	101	1050154	51.472	ug/l 100
8) Diethyl Ether	2.86	74	118413	41.470	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.14	101	560787	49.620	ug/l 97
10) Methyl Iodide	3.29	142	785823	48.132	ug/l 99
11) Tert butyl alcohol	4.07	59	114663	220.134	ug/l 96
12) 1,1-Dichloroethene	3.11	96	423160	51.002	ug/l 86
13) Acrolein	3.02	56	103617	206.699	ug/l 87
14) Allyl chloride	3.60	41	622024	47.062	ug/l 89
15) Acrylonitrile	4.19	53	327525	242.536	ug/l 93
16) Acetone	3.21	43	660093	285.435	ug/l 99
17) Carbon Disulfide	3.36	76	1294916	46.629	ug/l 98
18) Methyl Acetate	3.63	43	195835	44.086	ug/l 98
19) Methyl tert-butyl Ether	4.23	73	971254	51.824	ug/l 97
20) Methylene Chloride	3.80	84	428650	45.856	ug/l 98
21) trans-1,2-Dichloroethene	4.20	96	478066	51.353	ug/l 97
22) Diisopropyl ether	5.11	45	1312233	49.693	ug/l 97
23) Vinyl Acetate	5.05	43	4017200	247.483	ug/l 99
24) 1,1-Dichloroethane	4.97	63	806334	47.805	ug/l 96
25) 2-Butanone	6.06	43	628062	270.614	ug/l 93
26) 2,2-Dichloropropane	6.01	77	920396	52.950	ug/l 98
27) cis-1,2-Dichloroethene	6.02	96	504918	50.588	ug/l 99
28) Bromochloromethane	6.43	49	336617	50.089	ug/l # 96
29) Tetrahydrofuran	6.44	42	269252	245.038	ug/l 97
30) Chloroform	6.65	83	1022534	48.849	ug/l 95
31) Cyclohexane	6.94	56	495173	46.836	ug/l 88
32) 1,1,1-Trichloroethane	6.86	97	979313	48.368	ug/l 98
36) 1,1-Dichloropropene	7.13	75	655517	48.693	ug/l 97
37) Ethyl Acetate	6.17	43	276834	45.772	ug/l 95
38) Carbon Tetrachloride	7.09	117	1117018	55.115	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	563666	50.254	ug/l	98
40) Benzene	7.44	78	1478647	52.408	ug/l	99
41) Methacrylonitrile	6.44	41	355835	49.185	ug/l #	97
42) 1,2-Dichloroethane	7.57	62	721324	48.239	ug/l	99
43) Isopropyl Acetate	9.23	43	384167	49.726	ug/l #	98
44) Trichloroethene	8.53	130	542112	47.417	ug/l	94
45) 1,2-Dichloropropane	8.93	63	354587	49.445	ug/l	99
46) Dibromomethane	9.05	93	292644	49.078	ug/l	92
47) Bromodichloromethane	9.37	83	788147	51.852	ug/l	96
48) Methyl methacrylate	9.11	41	264550	52.798	ug/l	98
49) 1,4-Dioxane	9.07	88	43593	1027.143	ug/l #	86
51) 4-Methyl-2-Pentanone	10.29	43	1333730	253.843	ug/l	94
52) Toluene	10.50	92	953805	50.828	ug/l	97
53) t-1,3-Dichloropropene	10.90	75	643174	49.080	ug/l	97
54) cis-1,3-Dichloropropene	10.03	75	712830	51.758	ug/l	98
55) 1,1,2-Trichloroethane	11.18	97	307850	48.574	ug/l	95
56) Ethyl methacrylate	11.03	69	368953	53.163	ug/l	94
57) 1,3-Dichloropropane	11.40	76	469124	46.980	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.85	63	757844	209.862	ug/l	100
59) 2-Hexanone	11.52	43	1048947	277.033	ug/l	98
60) Dibromochloromethane	11.68	129	620422	51.855	ug/l	100
61) 1,2-Dibromoethane	11.80	107	362964	46.413	ug/l	97
64) Tetrachloroethene	11.25	164	509909	49.223	ug/l	98
65) Chlorobenzene	12.39	112	1229606	49.163	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	543069	49.294	ug/l	98
67) Ethyl Benzene	12.52	91	2034715	47.889	ug/l	100
68) m/p-Xylenes	12.66	106	1515226	97.244	ug/l	96
69) o-Xylene	13.04	106	683717	47.783	ug/l	88
70) Styrene	13.06	104	1162056	45.794	ug/l	95
71) Bromoform	13.23	173	403072	50.310	ug/l	99
73) Isopropylbenzene	13.39	105	2059016	55.094	ug/l	98
74) N-amyl acetate	13.26	43	536486	54.301	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	347874	54.798	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	389803	54.501	ug/l	100
77) Bromobenzene	13.66	156	609676	57.266	ug/l	95
78) n-propylbenzene	13.77	91	2515012	56.550	ug/l	99
79) 2-Chlorotoluene	13.84	91	1412398	54.808	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	1763336	54.705	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.46	75	107123	53.939	ug/l	89
82) 4-Chlorotoluene	13.94	91	1734929	57.206	ug/l	87
83) tert-Butylbenzene	14.18	119	1930920	52.464	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	1759514	52.774	ug/l	98
85) sec-Butylbenzene	14.36	105	2023539	52.184	ug/l	100
86) p-Isopropyltoluene	14.49	119	1813770	49.007	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	1000625	53.073	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	1006326	52.783	ug/l	94
89) n-Butylbenzene	14.79	91	1770168	55.377	ug/l	97
90) Hexachloroethane	15.00	117	529804	54.944	ug/l	93
91) 1,2-Dichlorobenzene	14.80	146	882011	53.693	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	62345	48.213	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	681761	52.316	ug/l	95
94) Hexachlorobutadiene	16.03	225	531435	56.274	ug/l	98
95) Naphthalene	16.12	128	939051	50.983	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	528712	51.357	ug/l	98

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

