

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080119\
 Data File : VD063305.D
 Acq On : 1 Aug 2019 21:03
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 02 07:27:35 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	7.03	168	1086377	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1461874	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1216625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	609181	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	547401	45.41	ug/l	0.00
Spiked Amount			Recovery	=	90.82%	
35) Dibromofluoromethane	6.91	113	599669	48.05	ug/l	0.00
Spiked Amount			Recovery	=	96.10%	
50) Toluene-d8	10.39	98	1322421	47.34	ug/l	0.00
Spiked Amount			Recovery	=	94.68%	
62) 4-Bromofluorobenzene	13.54	95	552688	43.42	ug/l	0.00
Spiked Amount			Recovery	=	86.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	562837	42.384	ug/l	99
3) Chloromethane	1.74	50	478323	46.361	ug/l	97
4) Vinyl Chloride	1.84	62	510424	47.789	ug/l	99
5) Bromomethane	2.14	94	238778	44.327	ug/l	98
6) Chloroethane	2.25	64	218104	44.229	ug/l	97
7) Trichlorofluoromethane	2.52	101	932149	44.986	ug/l	97
8) Diethyl Ether	2.86	74	135679	46.787	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.13	101	569920	49.653	ug/l	96
10) Methyl Iodide	3.29	142	824619	49.732	ug/l	97
11) Tert butyl alcohol	4.06	59	119643	226.166	ug/l #	93
12) 1,1-Dichloroethene	3.11	96	424004	50.319	ug/l	88
13) Acrolein	3.02	56	80450	158.019	ug/l	96
14) Allyl chloride	3.60	41	676249	50.378	ug/l	98
15) Acrylonitrile	4.18	53	366765	267.421	ug/l	96
16) Acetone	3.21	43	560520	238.655	ug/l	99
17) Carbon Disulfide	3.35	76	1356876	48.110	ug/l	99
18) Methyl Acetate	3.63	43	218173	48.361	ug/l	96
19) Methyl tert-butyl Ether	4.22	73	983805	51.687	ug/l	98
20) Methylene Chloride	3.80	84	486130	51.206	ug/l	93
21) trans-1,2-Dichloroethene	4.20	96	489291	51.751	ug/l	93
22) Diisopropyl ether	5.11	45	1408787	52.530	ug/l	96
23) Vinyl Acetate	5.04	43	4142881	251.305	ug/l	97
24) 1,1-Dichloroethane	4.96	63	888290	51.854	ug/l	100
25) 2-Butanone	6.06	43	582098	246.957	ug/l	96
26) 2,2-Dichloropropane	6.01	77	859123	48.665	ug/l	98
27) cis-1,2-Dichloroethene	6.02	96	528309	52.118	ug/l	94
28) Bromochloromethane	6.43	49	340513	49.890	ug/l #	97
29) Tetrahydrofuran	6.45	42	268346	240.462	ug/l	99
30) Chloroform	6.65	83	1078243	50.719	ug/l	95
31) Cyclohexane	6.94	56	519100	48.344	ug/l	91
32) 1,1,1-Trichloroethane	6.85	97	1034875	50.327	ug/l	97
36) 1,1-Dichloropropene	7.13	75	676241	50.687	ug/l	97
37) Ethyl Acetate	6.17	43	304050	50.727	ug/l #	97
38) Carbon Tetrachloride	7.10	117	1113220	55.425	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	577241	51.930	ug/l	93
40) Benzene	7.44	78	1542242	55.157	ug/l	99
41) Methacrylonitrile	6.43	41	357737	49.895	ug/l #	81
42) 1,2-Dichloroethane	7.57	62	769141	51.903	ug/l	100
43) Isopropyl Acetate	9.23	43	429132	56.049	ug/l #	99
44) Trichloroethene	8.52	130	604750	53.375	ug/l	100
45) 1,2-Dichloropropane	8.93	63	388684	54.690	ug/l	98
46) Dibromomethane	9.04	93	309507	52.376	ug/l	92
47) Bromodichloromethane	9.36	83	811326	53.860	ug/l	95
48) Methyl methacrylate	9.10	41	268069	53.985	ug/l	90
49) 1,4-Dioxane	9.06	88	48028	1142.351	ug/l #	84
51) 4-Methyl-2-Pentanone	10.29	43	1409660	270.724	ug/l	99
52) Toluene	10.50	92	1035965	55.706	ug/l	96
53) t-1,3-Dichloropropene	10.91	75	693352	53.389	ug/l	95
54) cis-1,3-Dichloropropene	10.03	75	733211	53.720	ug/l	95
55) 1,1,2-Trichloroethane	11.18	97	334674	53.285	ug/l	95
56) Ethyl methacrylate	11.03	69	379867	55.232	ug/l	93
57) 1,3-Dichloropropane	11.40	76	523689	52.919	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.84	63	888738	248.338	ug/l	96
59) 2-Hexanone	11.53	43	1023859	272.856	ug/l	99
60) Dibromochloromethane	11.67	129	642796	54.211	ug/l	99
61) 1,2-Dibromoethane	11.79	107	414939	53.539	ug/l	97
64) Tetrachloroethene	11.25	164	526127	54.282	ug/l	98
65) Chlorobenzene	12.39	112	1222790	52.253	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	559723	54.300	ug/l	96
67) Ethyl Benzene	12.52	91	2017451	50.749	ug/l	98
68) m/p-Xylenes	12.66	106	1571218	107.774	ug/l	95
69) o-Xylene	13.04	106	716754	53.538	ug/l	88
70) Styrene	13.06	104	1260173	53.077	ug/l	96
71) Bromoform	13.23	173	405260	54.062	ug/l	95
73) Isopropylbenzene	13.40	105	2193497	57.370	ug/l	96
74) N-amyl acetate	13.26	43	597371	59.102	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	384703	59.234	ug/l	94
76) 1,2,3-Trichloropropane	13.72	75	410981	56.168	ug/l	95
77) Bromobenzene	13.66	156	623443	57.240	ug/l	94
78) n-propylbenzene	13.77	91	2473828	54.370	ug/l	98
79) 2-Chlorotoluene	13.83	91	1439358	54.596	ug/l	94
80) 1,3,5-Trimethylbenzene	13.93	105	1787853	54.216	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	99100	48.775	ug/l	96
82) 4-Chlorotoluene	13.94	91	1739771	56.073	ug/l	90
83) tert-Butylbenzene	14.18	119	2076559	55.150	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	1792834	52.562	ug/l	97
85) sec-Butylbenzene	14.36	105	2112409	53.249	ug/l	99
86) p-Isopropyltoluene	14.48	119	1954359	51.616	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	1097269	56.887	ug/l	100
88) 1,4-Dichlorobenzene	14.53	146	1034621	53.045	ug/l	95
89) n-Butylbenzene	14.79	91	1806341	55.236	ug/l	98
90) Hexachloroethane	15.00	117	559804	56.747	ug/l	96
91) 1,2-Dichlorobenzene	14.80	146	930348	55.359	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	70554	53.332	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	665463	49.915	ug/l	98
94) Hexachlorobutadiene	16.03	225	496543	51.394	ug/l	98
95) Naphthalene	16.11	128	1018650	54.059	ug/l	98
96) 1,2,3-Trichlorobenzene	16.26	180	591876	56.197	ug/l	97

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

