

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060519\
 Data File : VD062619.D
 Acq On : 6 Jun 2019 11:02
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 07 03:28:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 06 05:42:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	823468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1115862	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	973060	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	500935	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	567776	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
35) Dibromofluoromethane	6.94	113	553608	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
50) Toluene-d8	10.43	98	1192807	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
62) 4-Bromofluorobenzene	13.57	95	547232	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.59	85	405817	44.056	ug/l	98
3) Chloromethane	1.77	50	357684	44.976	ug/l	95
4) Vinyl Chloride	1.86	62	383606	49.194	ug/l	98
5) Bromomethane	2.17	94	198234	50.391	ug/l	98
6) Chloroethane	2.28	64	190390	48.407	ug/l #	88
7) Trichlorofluoromethane	2.54	101	846893	48.679	ug/l	97
8) Diethyl Ether	2.89	74	115751	51.197	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.16	101	471241	48.179	ug/l	93
10) Methyl Iodide	3.32	142	635710	50.778	ug/l	94
11) Tert butyl alcohol	4.10	59	101241	200.292	ug/l #	95
12) 1,1-Dichloroethene	3.14	96	359628	50.115	ug/l	96
13) Acrolein	3.05	56	51745	289.492	ug/l	90
14) Allyl chloride	3.64	41	549205	50.271	ug/l	95
15) Acrylonitrile	4.23	53	274806	249.394	ug/l	96
16) Acetone	3.24	43	581326	286.560	ug/l	93
17) Carbon Disulfide	3.39	76	1099195	52.572	ug/l	95
18) Methyl Acetate	3.67	43	164488	45.603	ug/l	93
19) Methyl tert-butyl Ether	4.27	73	887597	51.065	ug/l	99
20) Methylene Chloride	3.83	84	351860	44.566	ug/l	91
21) trans-1,2-Dichloroethene	4.24	96	391027	50.074	ug/l	97
22) Diisopropyl ether	5.15	45	1136572	49.249	ug/l	93
23) Vinyl Acetate	5.08	43	3531882	251.100	ug/l	99
24) 1,1-Dichloroethane	5.00	63	739962	50.890	ug/l #	96
25) 2-Butanone	6.10	43	521426	270.584	ug/l	92
26) 2,2-Dichloropropane	6.05	77	850836	53.560	ug/l	95
27) cis-1,2-Dichloroethene	6.06	96	426805	50.686	ug/l	95
28) Bromochloromethane	6.46	49	302661	55.016	ug/l	95
29) Tetrahydrofuran	6.48	42	229646	256.717	ug/l	99
30) Chloroform	6.69	83	924466	51.119	ug/l	95
31) Cyclohexane	6.97	56	438710	47.197	ug/l	98
32) 1,1,1-Trichloroethane	6.89	97	982832	53.690	ug/l	94
36) 1,1-Dichloropropene	7.17	75	603116	50.271	ug/l	97
37) Ethyl Acetate	6.21	43	240861	49.750	ug/l	98
38) Carbon Tetrachloride	7.13	117	956521m	53.120	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	495685	48.324	ug/l	97
40) Benzene	7.47	78	1207121	50.943	ug/l	100
41) Methacrylonitrile	6.46	41	313774	50.047	ug/l #	96
42) 1,2-Dichloroethane	7.60	62	737492	52.877	ug/l	98
43) Isopropyl Acetate	9.26	43	321682	48.342	ug/l #	99
44) Trichloroethene	8.56	130	476998	49.640	ug/l	91
45) 1,2-Dichloropropane	8.95	63	295433	49.791	ug/l	98
46) Dibromomethane	9.08	93	268477	52.010	ug/l	97
47) Bromodichloromethane	9.39	83	673811	48.463	ug/l	97
48) Methyl methacrylate	9.14	41	239554	52.935	ug/l	99
49) 1,4-Dioxane	9.10	88	41128	1145.136	ug/l	94
51) 4-Methyl-2-Pentanone	10.32	43	1141938	263.553	ug/l	100
52) Toluene	10.53	92	813193	51.741	ug/l	98
53) t-1,3-Dichloropropene	10.93	75	607145	52.592	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	608608	51.770	ug/l	94
55) 1,1,2-Trichloroethane	11.21	97	275256	51.049	ug/l	93
56) Ethyl methacrylate	11.06	69	308140	51.276	ug/l	98
57) 1,3-Dichloropropane	11.42	76	412007	48.941	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.88	63	700610	227.311	ug/l	95
59) 2-Hexanone	11.55	43	843366	256.703	ug/l	99
60) Dibromochloromethane	11.70	129	556400	52.809	ug/l	92
61) 1,2-Dibromoethane	11.82	107	350085	53.011	ug/l	95
64) Tetrachloroethene	11.27	164	420248	47.821	ug/l	95
65) Chlorobenzene	12.41	112	1002015	49.557	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.53	131	481924	49.583	ug/l	98
67) Ethyl Benzene	12.53	91	1769614	48.423	ug/l	99
68) m/p-Xylenes	12.68	106	1232366	96.676	ug/l	96
69) o-Xylene	13.06	106	570104	46.417	ug/l	92
70) Styrene	13.09	104	965530	46.794	ug/l	97
71) Bromoform	13.24	173	336096	50.066	ug/l	99
73) Isopropylbenzene	13.41	105	1727696	49.602	ug/l	100
74) N-amyl acetate	13.27	43	477927	53.139	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.71	83	304452	52.142	ug/l	95
76) 1,2,3-Trichloropropane	13.75	75	354011	54.176	ug/l	93
77) Bromobenzene	13.68	156	515995	53.259	ug/l	96
78) n-propylbenzene	13.79	91	2106785	52.154	ug/l	96
79) 2-Chlorotoluene	13.85	91	1154637	47.147	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	1361945	45.433	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	91508	54.480	ug/l	98
82) 4-Chlorotoluene	13.95	91	1400105	48.583	ug/l	91
83) tert-Butylbenzene	14.20	119	1600582	48.491	ug/l	95
84) 1,2,4-Trimethylbenzene	14.25	105	1582012	51.560	ug/l	98
85) sec-Butylbenzene	14.38	105	1697075	49.898	ug/l	99
86) p-Isopropyltoluene	14.50	119	1568767	47.977	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	890750	54.780	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	844825	51.301	ug/l	99
89) n-Butylbenzene	14.81	91	1465997	48.217	ug/l	97
90) Hexachloroethane	15.02	117	423884	49.254	ug/l	95
91) 1,2-Dichlorobenzene	14.82	146	745144	49.629	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	69102	57.855	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	526332	48.788	ug/l	99
94) Hexachlorobutadiene	16.05	225	399971	49.428	ug/l	98
95) Naphthalene	16.13	128	796196	51.539	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	396157	48.022	ug/l	98

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

