

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062719\
 Data File : VD062924.D
 Acq On : 27 Jun 2019 10:54
 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 28 02:27:23 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	7.02	168	681880	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.20	114	847434	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.35	117	780023	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	445293	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	398098	53.71	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	107.42%	
35) Dibromofluoromethane	6.90	113	370115	51.80	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	103.60%	
50) Toluene-d8	10.39	98	815844	52.46	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.92%	
62) 4-Bromofluorobenzene	13.54	95	393248	55.61	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	111.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	404237	45.812	ug/l	97
3) Chloromethane	1.74	50	285900	43.083	ug/l	96
4) Vinyl Chloride	1.83	62	303224	46.085	ug/l	99
5) Bromomethane	2.13	94	164704	53.452	ug/l	96
6) Chloroethane	2.25	64	152327	51.137	ug/l	91
7) Trichlorofluoromethane	2.52	101	720516	54.110	ug/l	94
8) Diethyl Ether	2.85	74	76644	45.301	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.13	101	341843	47.387	ug/l	91
10) Methyl Iodide	3.28	142	408810	42.955	ug/l	91
11) Tert butyl alcohol	4.06	59	78638	232.950	ug/l #	91
12) 1,1-Dichloroethene	3.10	96	255240	47.165	ug/l	87
13) Acrolein	3.02	56	66154	191.960	ug/l	98
14) Allyl chloride	3.59	41	355594	44.470	ug/l	87
15) Acrylonitrile	4.17	53	168938	212.981	ug/l	96
16) Acetone	3.20	43	384003	255.636	ug/l #	93
17) Carbon Disulfide	3.35	76	697168	40.309	ug/l #	94
18) Methyl Acetate	3.62	43	96401	43.085	ug/l	98
19) Methyl tert-butyl Ether	4.21	73	577973	49.335	ug/l	94
20) Methylene Chloride	3.79	84	250039	44.234	ug/l	89
21) trans-1,2-Dichloroethene	4.19	96	267415	46.409	ug/l	97
22) Diisopropyl ether	5.09	45	762064	46.863	ug/l	92
23) Vinyl Acetate	5.03	43	2490943	244.796	ug/l	100
24) 1,1-Dichloroethane	4.96	63	474552	44.822	ug/l	99
25) 2-Butanone	6.04	43	348858	251.655	ug/l	98
26) 2,2-Dichloropropane	5.99	77	588306	52.423	ug/l	96
27) cis-1,2-Dichloroethene	6.00	96	265150	43.514	ug/l	88
28) Bromochloromethane	6.42	49	193300	51.838	ug/l	97
29) Tetrahydrofuran	6.44	42	145733	222.191	ug/l	96
30) Chloroform	6.63	83	665309	51.670	ug/l	94
31) Cyclohexane	6.93	56	307901	44.237	ug/l	95
32) 1,1,1-Trichloroethane	6.84	97	726855	54.197	ug/l	95
36) 1,1-Dichloropropene	7.12	75	427787	53.326	ug/l	97
37) Ethyl Acetate	6.16	43	156487	46.357	ug/l	96
38) Carbon Tetrachloride	7.09	117	721116m	59.769	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	354936	50.264	ug/l	97
40) Benzene	7.43	78	832100	51.674	ug/l	97
41) Methacrylonitrile	6.43	41	210749	49.816	ug/l #	88
42) 1,2-Dichloroethane	7.55	62	523119	59.550	ug/l	96
43) Isopropyl Acetate	9.22	43	237722	56.523	ug/l #	93
44) Trichloroethene	8.52	130	324312	51.372	ug/l	93
45) 1,2-Dichloropropane	8.92	63	204790	51.145	ug/l	96
46) Dibromomethane	9.04	93	191583	55.700	ug/l	99
47) Bromodichloromethane	9.35	83	540467	60.503	ug/l	98
48) Methyl methacrylate	9.10	41	163090	54.568	ug/l	93
49) 1,4-Dioxane	9.06	88	27689	1113.563	ug/l #	85
51) 4-Methyl-2-Pentanone	10.28	43	826739	277.257	ug/l	94
52) Toluene	10.49	92	590991	54.598	ug/l	100
53) t-1,3-Dichloropropene	10.90	75	441874	60.436	ug/l	97
54) cis-1,3-Dichloropropene	10.02	75	449871	56.609	ug/l	94
55) 1,1,2-Trichloroethane	11.17	97	201314	54.133	ug/l	95
56) Ethyl methacrylate	11.02	69	219412	55.208	ug/l	91
57) 1,3-Dichloropropane	11.39	76	306751	53.871	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.83	63	551550	270.322	ug/l	96
59) 2-Hexanone	11.52	43	613890	289.074	ug/l	99
60) Dibromochloromethane	11.67	129	388253	56.050	ug/l	99
61) 1,2-Dibromoethane	11.79	107	244674	55.707	ug/l	94
64) Tetrachloroethene	11.24	164	331948	51.707	ug/l	96
65) Chlorobenzene	12.38	112	687172	47.468	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.50	131	361498	53.397	ug/l	94
67) Ethyl Benzene	12.51	91	1321280	50.837	ug/l	95
68) m/p-Xylenes	12.65	106	901659	99.605	ug/l	91
69) o-Xylene	13.04	106	455182	55.006	ug/l	99
70) Styrene	13.06	104	796092	54.770	ug/l	96
71) Bromoform	13.22	173	249077	53.699	ug/l	95
73) Isopropylbenzene	13.40	105	1360433	47.649	ug/l	100
74) N-amyl acetate	13.26	43	360856	52.044	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.69	83	238051	51.172	ug/l	96
76) 1,2,3-Trichloropropane	13.72	75	262343	51.034	ug/l	97
77) Bromobenzene	13.66	156	368270	47.955	ug/l	96
78) n-propylbenzene	13.76	91	1670823	50.279	ug/l	92
79) 2-Chlorotoluene	13.83	91	977680	51.481	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	1237182	51.588	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.46	75	68601	50.919	ug/l	91
82) 4-Chlorotoluene	13.94	91	1208702	52.866	ug/l	98
83) tert-Butylbenzene	14.18	119	1420627	53.144	ug/l	98
84) 1,2,4-Trimethylbenzene	14.22	105	1201446	48.878	ug/l	96
85) sec-Butylbenzene	14.36	105	1434010	49.357	ug/l	99
86) p-Isopropyltoluene	14.48	119	1263962	47.554	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	761428	55.312	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	715677	51.761	ug/l	98
89) n-Butylbenzene	14.79	91	1265847	50.883	ug/l	96
90) Hexachloroethane	15.00	117	384485	53.801	ug/l	98
91) 1,2-Dichlorobenzene	14.79	146	618921	52.549	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	15.37	75	55236	60.834	ug/l #	49

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	472959	51.406	ug/l	99
94) Hexachlorobutadiene	16.02	225	376024	53.498	ug/l	99
95) Naphthalene	16.11	128	711580	55.181	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	364819	51.608	ug/l	99

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

