

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042319\
 Data File : VD061965.D
 Acq On : 23 Apr 2019 11:55
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Quant Time: Apr 23 12:20:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 12:18:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	586205	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	930328	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	894968	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	372834	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	220090	39.96	ug/l	0.00
Spiked Amount			Recovery	=	79.92%	
35) Dibromofluoromethane	6.93	113	326546	45.66	ug/l	0.00
Spiked Amount			Recovery	=	91.32%	
50) Toluene-d8	10.42	98	772378	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
62) 4-Bromofluorobenzene	13.56	95	327843	46.89	ug/l	0.00
Spiked Amount			Recovery	=	93.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	286907	50.731	ug/l	100
3) Chloromethane	1.76	50	221201	49.614	ug/l	99
4) Vinyl Chloride	1.85	62	222658	55.709	ug/l	98
5) Bromomethane	2.16	94	61357	49.793	ug/l	96
6) Chloroethane	2.28	64	86491	56.822	ug/l	100
7) Trichlorofluoromethane	2.54	101	313903	48.498	ug/l	97
8) Diethyl Ether	2.88	74	87503	51.565	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.16	101	299962	52.095	ug/l	99
10) Methyl Iodide	3.32	142	481070	56.532	ug/l	99
11) Tert butyl alcohol	4.06	59	62206	212.017	ug/l #	92
12) 1,1-Dichloroethene	3.14	96	249741	53.543	ug/l	95
13) Acrolein	3.05	56	70998	331.487	ug/l	90
14) Allyl chloride	3.64	41	337689	49.554	ug/l	97
15) Acrylonitrile	4.21	53	199624	218.650	ug/l	98
16) Acetone	3.22	43	316956	310.493	ug/l	95
17) Carbon Disulfide	3.39	76	740693	53.528	ug/l	99
18) Methyl Acetate	3.65	43	97596	37.858	ug/l	98
19) Methyl tert-butyl Ether	4.25	73	473994	44.039	ug/l	97
20) Methylene Chloride	3.82	84	280597	42.772	ug/l	99
21) trans-1,2-Dichloroethene	4.23	96	280234	49.291	ug/l	99
22) Diisopropyl ether	5.12	45	715157	42.479	ug/l	92
23) Vinyl Acetate	5.06	43	1967836	219.487	ug/l	99
24) 1,1-Dichloroethane	4.99	63	440213	44.427	ug/l	98
25) 2-Butanone	6.08	43	323714	227.613	ug/l	96
26) 2,2-Dichloropropane	6.03	77	408527	49.944	ug/l	99
27) cis-1,2-Dichloroethene	6.05	96	312767	46.618	ug/l	96
28) Bromochloromethane	6.45	49	160791	41.175	ug/l	93
29) Tetrahydrofuran	6.46	42	149430	201.811	ug/l	98
30) Chloroform	6.68	83	515018	44.293	ug/l	99
31) Cyclohexane	6.96	56	344198	48.923	ug/l	99
32) 1,1,1-Trichloroethane	6.87	97	455121	44.767	ug/l	100
36) 1,1-Dichloropropene	7.15	75	362364	48.620	ug/l	96
37) Ethyl Acetate	6.19	43	145224	42.203	ug/l	96
38) Carbon Tetrachloride	7.12	117	504662	53.036	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	346355	47.110	ug/l	95
40) Benzene	7.47	78	893324	47.689	ug/l	99
41) Methacrylonitrile	6.44	41	171031	41.993	ug/l #	92
42) 1,2-Dichloroethane	7.58	62	310382	45.133	ug/l	96
43) Isopropyl Acetate	9.25	43	213406	42.567	ug/l #	97
44) Trichloroethene	8.55	130	347999	50.007	ug/l	98
45) 1,2-Dichloropropane	8.94	63	239867	50.218	ug/l	99
46) Dibromomethane	9.07	93	165468	45.662	ug/l	98
47) Bromodichloromethane	9.39	83	396030	47.694	ug/l	98
48) Methyl methacrylate	9.13	41	131990	46.144	ug/l	96
49) 1,4-Dioxane	9.08	88	28590	967.295	ug/l	94
51) 4-Methyl-2-Pentanone	10.30	43	665871	207.898	ug/l	98
52) Toluene	10.52	92	563226	46.733	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	344879	46.780	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	413494	48.279	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	189551	43.705	ug/l	97
56) Ethyl methacrylate	11.05	69	222286	48.250	ug/l	95
57) 1,3-Dichloropropane	11.41	76	283315	43.842	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.87	63	440708	199.379	ug/l	98
59) 2-Hexanone	11.53	43	513186	227.753	ug/l	97
60) Dibromochloromethane	11.69	129	345786	49.528	ug/l	96
61) 1,2-Dibromoethane	11.81	107	255474	49.161	ug/l	98
64) Tetrachloroethene	11.27	164	274280	42.088	ug/l	98
65) Chlorobenzene	12.40	112	752877	43.832	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	332575	46.906	ug/l	97
67) Ethyl Benzene	12.53	91	1253595	48.068	ug/l	99
68) m/p-Xylenes	12.66	106	884026	88.620	ug/l	98
69) o-Xylene	13.06	106	428509	45.136	ug/l	97
70) Styrene	13.08	104	719963	43.824	ug/l	98
71) Bromoform	13.23	173	194525	44.446	ug/l	98
73) Isopropylbenzene	13.40	105	1083226	45.562	ug/l	99
74) N-amyl acetate	13.26	43	312287	48.292	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	228964	44.677	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	232211	46.904	ug/l	99
77) Bromobenzene	13.67	156	336956	48.136	ug/l	81
78) n-propylbenzene	13.78	91	1321526	46.825	ug/l	99
79) 2-Chlorotoluene	13.84	91	783524	46.455	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	979274	49.208	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.48	75	73945	50.516	ug/l	99
82) 4-Chlorotoluene	13.95	91	918724	48.344	ug/l	99
83) tert-Butylbenzene	14.19	119	1194730	52.887	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	996842	51.076	ug/l	98
85) sec-Butylbenzene	14.37	105	1283416	52.783	ug/l	100
86) p-Isopropyltoluene	14.49	119	1023312	45.967	ug/l	100
87) 1,3-Dichlorobenzene	14.46	146	577090	45.589	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	615528	51.573	ug/l	96
89) n-Butylbenzene	14.80	91	970529	47.911	ug/l	97
90) Hexachloroethane	15.01	117	269673	43.375	ug/l	91
91) 1,2-Dichlorobenzene	14.81	146	489363	45.088	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	32875	48.135	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	255356	46.920	ug/l	95
94) Hexachlorobutadiene	16.04	225	211194	53.307	ug/l	99
95) Naphthalene	16.13	128	394181	45.108	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	153062	50.558	ug/l	98

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

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