

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061511.D
 Acq On : 2 Apr 2019 13:24
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/3/2019 1:02:52 PM

Quant Time: Apr 03 02:08:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	693842	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.20	114	1180712	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	988543	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	412734	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	284736	48.04	ug/l	0.01
Spiked Amount 50.000			Recovery	=	96.08%	
35) Dibromofluoromethane	6.91	113	442203	49.01	ug/l	0.01
Spiked Amount 50.000			Recovery	=	98.02%	
50) Toluene-d8	10.40	98	1063901	49.16	ug/l	0.01
Spiked Amount 50.000			Recovery	=	98.32%	
62) 4-Bromofluorobenzene	13.55	95	408153	49.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.36%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.59	85	368492	49.730	ug/l	100
3) Chloromethane	1.77	50	280049	46.341	ug/l	98
4) Vinyl Chloride	1.85	62	267027	48.124	ug/l	98
5) Bromomethane	2.16	94	56817	51.638	ug/l	95
6) Chloroethane	2.28	64	91476	56.217	ug/l	98
7) Trichlorofluoromethane	2.53	101	453313	56.182	ug/l	98
8) Diethyl Ether	2.87	74	118347	45.556	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.15	101	438314	50.530	ug/l	97
10) Methyl Iodide	3.31	142	594199	45.401	ug/l	99
11) Tert butyl alcohol	4.05	59	84829	229.814	ug/l	98
12) 1,1-Dichloroethene	3.13	96	376936	50.613	ug/l	97
13) Acrolein	3.04	56	61142	214.115	ug/l	95
14) Allyl chloride	3.62	41	519927	50.053	ug/l	97
15) Acrylonitrile	4.19	53	304501	237.679	ug/l	96
16) Acetone	3.21	43	406373	266.710	ug/l	97
17) Carbon Disulfide	3.38	76	1042037	43.064	ug/l	99
18) Methyl Acetate	3.64	43	150358	46.935	ug/l	96
19) Methyl tert-butyl Ether	4.23	73	618251	47.958	ug/l	99
20) Methylene Chloride	3.81	84	435980	51.122	ug/l	96
21) trans-1,2-Dichloroethene	4.22	96	397524	49.440	ug/l	96
22) Diisopropyl ether	5.11	45	1051252	47.824	ug/l	99
23) Vinyl Acetate	5.05	43	2727660	228.443	ug/l	97
24) 1,1-Dichloroethane	4.97	63	637449	49.345	ug/l	100
25) 2-Butanone	6.06	43	457697	238.804	ug/l	99
26) 2,2-Dichloropropane	6.02	77	531816	51.787	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	425333	48.281	ug/l	96
28) Bromochloromethane	6.43	49	240658	46.150	ug/l #	91
29) Tetrahydrofuran	6.44	42	232619	250.404	ug/l	98
30) Chloroform	6.66	83	739165	55.376	ug/l	97
31) Cyclohexane	6.94	56	535266	52.433	ug/l	99
32) 1,1,1-Trichloroethane	6.85	97	642424	54.554	ug/l	97
36) 1,1-Dichloropropene	7.14	75	506448	49.146	ug/l	98
37) Ethyl Acetate	6.17	43	218158	49.501	ug/l	99
38) Carbon Tetrachloride	7.10	117	588279m	49.680	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	551469	51.383	ug/l	98
40) Benzene	7.45	78	1244973	48.138	ug/l	95
41) Methacrylonitrile	6.43	41	258889	50.240	ug/l #	97
42) 1,2-Dichloroethane	7.56	62	396593	51.265	ug/l	98
43) Isopropyl Acetate	9.23	43	330035	51.469	ug/l #	100
44) Trichloroethene	8.53	130	474132	49.262	ug/l	100
45) 1,2-Dichloropropane	8.93	63	355323	54.182	ug/l	95
46) Dibromomethane	9.05	93	223451	50.623	ug/l	93
47) Bromodichloromethane	9.37	83	554352	55.955	ug/l	99
48) Methyl methacrylate	9.11	41	187814	53.071	ug/l	97
49) 1,4-Dioxane	9.07	88	40594	1039.969	ug/l	97
51) 4-Methyl-2-Pentanone	10.29	43	916563	234.942	ug/l	98
52) Toluene	10.50	92	833411	52.821	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	470702	52.294	ug/l	98
54) cis-1,3-Dichloropropene	10.02	75	550150	50.195	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	284455	51.551	ug/l	98
56) Ethyl methacrylate	11.03	69	300215	50.645	ug/l	98
57) 1,3-Dichloropropane	11.39	76	404057	49.820	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	692819	239.996	ug/l	100
59) 2-Hexanone	11.52	43	737761	261.010	ug/l	100
60) Dibromochloromethane	11.68	129	437099	51.384	ug/l	96
61) 1,2-Dibromoethane	11.80	107	328226	51.369	ug/l	99
64) Tetrachloroethene	11.25	164	375009	48.337	ug/l	99
65) Chlorobenzene	12.39	112	1037039	51.332	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	397413	50.806	ug/l	99
67) Ethyl Benzene	12.52	91	1556822	50.486	ug/l	98
68) m/p-Xylenes	12.66	106	1183825	101.346	ug/l	96
69) o-Xylene	13.04	106	523860	46.214	ug/l	99
70) Styrene	13.07	104	895992	45.344	ug/l	97
71) Bromoform	13.22	173	238506	48.100	ug/l	98
73) Isopropylbenzene	13.39	105	1447020	50.373	ug/l	97
74) N-amyl acetate	13.26	43	400987	50.110	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	290860	47.999	ug/l	94
76) 1,2,3-Trichloropropane	13.73	75	282459	47.376	ug/l	98
77) Bromobenzene	13.67	156	420114	49.332	ug/l	81
78) n-propylbenzene	13.77	91	1762997	50.151	ug/l	97
79) 2-Chlorotoluene	13.83	91	1018377	53.353	ug/l	98
80) 1,3,5-Trimethylbenzene	13.92	105	1160309	52.060	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	97601	53.691	ug/l	96
82) 4-Chlorotoluene	13.94	91	1124326	54.172	ug/l	97
83) tert-Butylbenzene	14.18	119	1466902	52.664	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	1280916	53.085	ug/l	99
85) sec-Butylbenzene	14.37	105	1559111	52.690	ug/l	98
86) p-Isopropyltoluene	14.48	119	1325319	52.967	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	735106	50.975	ug/l	94
88) 1,4-Dichlorobenzene	14.53	146	732963	52.119	ug/l	97
89) n-Butylbenzene	14.79	91	1218829	53.072	ug/l	99
90) Hexachloroethane	15.01	117	387174	54.772	ug/l	93
91) 1,2-Dichlorobenzene	14.80	146	604418	51.097	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	39777	55.968	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	274313	50.908	ug/l	99
94) Hexachlorobutadiene	16.03	225	235559	55.944	ug/l	99
95) Naphthalene	16.12	128	422025	51.383	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	132148	55.732	ug/l	96

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

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