

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041119\
 Data File : VD061735.D
 Acq On : 11 Apr 2019 12:10
 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
 4/12/2019 11:42:37 AM

Quant Time: Apr 12 02:54:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	645660	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	993227	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	892348	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	399022	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	221112	45.18	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	90.36%	
35) Dibromofluoromethane	6.92	113	349993	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
50) Toluene-d8	10.40	98	788926	45.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.28%	
62) 4-Bromofluorobenzene	13.55	95	304745	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	326908	46.932	ug/l	100
3) Chloromethane	1.75	50	248945	44.226	ug/l	95
4) Vinyl Chloride	1.85	62	253976	48.286	ug/l	98
5) Bromomethane	2.15	94	54099	44.437	ug/l	99
6) Chloroethane	2.27	64	90489	54.927	ug/l	100
7) Trichlorofluoromethane	2.53	101	411794	51.852	ug/l	97
8) Diethyl Ether	2.87	74	111398	49.981	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.15	101	377919	48.403	ug/l	98
10) Methyl Iodide	3.31	142	580311	49.852	ug/l	99
11) Tert butyl alcohol	4.05	59	76957	234.629	ug/l #	93
12) 1,1-Dichloroethene	3.13	96	315068	46.809	ug/l	93
13) Acrolein	3.03	56	90386	226.024	ug/l	94
14) Allyl chloride	3.62	41	462101	50.336	ug/l	97
15) Acrylonitrile	4.18	53	249783	221.230	ug/l	97
16) Acetone	3.22	43	397536	271.727	ug/l	98
17) Carbon Disulfide	3.38	76	1028262	47.015	ug/l	99
18) Methyl Acetate	3.63	43	133150	48.373	ug/l	96
19) Methyl tert-butyl Ether	4.23	73	559676	48.022	ug/l	97
20) Methylene Chloride	3.81	84	353213	42.546	ug/l	96
21) trans-1,2-Dichloroethene	4.21	96	342885	46.903	ug/l	98
22) Diisopropyl ether	5.11	45	919059	47.749	ug/l	98
23) Vinyl Acetate	5.04	43	2395932	225.595	ug/l	99
24) 1,1-Dichloroethane	4.98	63	543527	46.082	ug/l	99
25) 2-Butanone	6.06	43	410334	243.292	ug/l	100
26) 2,2-Dichloropropane	6.01	77	489709	50.990	ug/l	96
27) cis-1,2-Dichloroethene	6.03	96	373242	47.858	ug/l	96
28) Bromochloromethane	6.43	49	230150	52.897	ug/l	97
29) Tetrahydrofuran	6.45	42	186447	229.001	ug/l	99
30) Chloroform	6.65	83	660314	53.440	ug/l	98
31) Cyclohexane	6.95	56	439844	47.735	ug/l	99
32) 1,1,1-Trichloroethane	6.86	97	549945	50.790	ug/l	99
36) 1,1-Dichloropropene	7.14	75	443816	51.057	ug/l	100
37) Ethyl Acetate	6.17	43	182718	51.607	ug/l	97
38) Carbon Tetrachloride	7.11	117	584322m	57.356	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	497148	55.707	ug/l	99
40) Benzene	7.45	78	1149553	54.817	ug/l	100
41) Methacrylonitrile	6.44	41	213774	51.722	ug/l	96
42) 1,2-Dichloroethane	7.57	62	378854	57.445	ug/l	99
43) Isopropyl Acetate	9.23	43	258559	50.318	ug/l	99
44) Trichloroethene	8.53	130	444116	55.242	ug/l	96
45) 1,2-Dichloropropane	8.93	63	274951	52.869	ug/l	100
46) Dibromomethane	9.06	93	200366	53.907	ug/l	97
47) Bromodichloromethane	9.37	83	476978	58.430	ug/l	99
48) Methyl methacrylate	9.11	41	160589	54.217	ug/l	99
49) 1,4-Dioxane	9.07	88	33893	1036.671	ug/l	93
51) 4-Methyl-2-Pentanone	10.30	43	795823	261.882	ug/l	98
52) Toluene	10.50	92	711635	54.344	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	442111	61.784	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	496243	56.257	ug/l	94
55) 1,1,2-Trichloroethane	11.18	97	241774	54.743	ug/l	99
56) Ethyl methacrylate	11.03	69	259707	55.741	ug/l	95
57) 1,3-Dichloropropane	11.40	76	362275	56.012	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.84	63	582365	264.904	ug/l	98
59) 2-Hexanone	11.53	43	632369	268.135	ug/l	98
60) Dibromochloromethane	11.67	129	407074	58.339	ug/l	99
61) 1,2-Dibromoethane	11.80	107	280953	54.395	ug/l	99
64) Tetrachloroethene	11.25	164	315291	45.518	ug/l	94
65) Chlorobenzene	12.39	112	872139	49.284	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	357327	52.474	ug/l	96
67) Ethyl Benzene	12.52	91	1368478	50.783	ug/l	99
68) m/p-Xylenes	12.66	106	1028655	99.014	ug/l	96
69) o-Xylene	13.04	106	469091	46.776	ug/l	99
70) Styrene	13.07	104	777405	45.392	ug/l	99
71) Bromoform	13.23	173	209618	49.613	ug/l	98
73) Isopropylbenzene	13.40	105	1256774	47.270	ug/l	99
74) N-amyl acetate	13.26	43	336879	46.634	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.69	83	267224	48.609	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	272137	50.129	ug/l	98
77) Bromobenzene	13.66	156	393296	50.963	ug/l	93
78) n-propylbenzene	13.77	91	1571815	49.422	ug/l	97
79) 2-Chlorotoluene	13.84	91	894118	49.162	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	1030379	48.827	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	82593	50.137	ug/l	91
82) 4-Chlorotoluene	13.94	91	944810	47.409	ug/l	88
83) tert-Butylbenzene	14.18	119	1268551	49.858	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	1086387	51.009	ug/l	96
85) sec-Butylbenzene	14.36	105	1445771	52.593	ug/l	96
86) p-Isopropyltoluene	14.49	119	1229171	51.543	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	653997	49.241	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	676511	50.482	ug/l	95
89) n-Butylbenzene	14.79	91	1007513	48.607	ug/l	98
90) Hexachloroethane	15.00	117	344896	53.301	ug/l	88
91) 1,2-Dichlorobenzene	14.80	146	546868	49.959	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	35067	52.860	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	307284	55.100	ug/l	96
94) Hexachlorobutadiene	16.03	225	243509	56.548	ug/l	99
95) Naphthalene	16.12	128	478916	54.273	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	159963	57.473	ug/l	97

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

