

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100419\
 Data File : VD063891.D
 Acq On : 04 Oct 2019 18:06
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/8/2019 3:11:47 PM

Quant Time: Oct 05 04:06:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	199627	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	311390	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	317314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	173256	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	93686	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
35) Dibromofluoromethane	7.92	113	95144	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
50) Toluene-d8	10.34	98	385951	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
62) 4-Bromofluorobenzene	12.63	95	133041	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	61159	43.200	ug/l	92
3) Chloromethane	2.21	50	202094	53.121	ug/l	94
4) Vinyl Chloride	2.35	62	220434	48.176	ug/l	95
5) Bromomethane	2.77	94	137639	46.790	ug/l	96
6) Chloroethane	2.93	64	143786	47.517	ug/l	96
7) Trichlorofluoromethane	3.27	101	289111	47.790	ug/l	99
8) Diethyl Ether	3.71	74	48503	49.951	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	81076	48.416	ug/l	96
10) Methyl Iodide	4.30	142	117116	50.755	ug/l	99
11) Tert butyl alcohol	5.24	59	33810	250.420	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	79590	47.572	ug/l	96
13) Acrolein	3.92	56	38977	224.543	ug/l	99
14) Allyl chloride	4.71	41	132835	47.756	ug/l	100
15) Acrylonitrile	5.43	53	108655	253.807	ug/l	97
16) Acetone	4.17	43	111347	220.052	ug/l	98
17) Carbon Disulfide	4.40	76	286378	47.089	ug/l #	94
18) Methyl Acetate	4.72	43	47465	47.960	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	215199	49.673	ug/l	100
20) Methylene Chloride	4.97	84	113039	50.369	ug/l	93
21) trans-1,2-Dichloroethene	5.46	96	100856	48.425	ug/l	95
22) Diisopropyl ether	6.37	45	285094	50.186	ug/l	96
23) Vinyl Acetate	6.31	43	856704	253.506	ug/l	98
24) 1,1-Dichloroethane	6.27	63	174430	49.850	ug/l	96
25) 2-Butanone	7.22	43	143066	238.575	ug/l	98
26) 2,2-Dichloropropane	7.21	77	157936	49.896	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	116887	49.583	ug/l	97
28) Bromochloromethane	7.55	49	71051	53.282	ug/l	97
29) Tetrahydrofuran	7.57	42	83724	239.201	ug/l	97
30) Chloroform	7.71	83	185807	48.890	ug/l	97
31) Cyclohexane	7.98	56	149483	51.815	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	164381	50.422	ug/l	97
36) 1,1-Dichloropropene	8.11	75	142123	49.918	ug/l	97
37) Ethyl Acetate	7.30	43	61670	54.367	ug/l	98
38) Carbon Tetrachloride	8.09	117	145784	50.670	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	173747	49.632	ug/l	94
40) Benzene	8.36	78	417755	51.202	ug/l	99
41) Methacrylonitrile	7.53	41	27448	41.582	ug/l	91
42) 1,2-Dichloroethane	8.43	62	119282	50.541	ug/l	98
43) Isopropyl Acetate	8.46	43	118615	49.678	ug/l	98
44) Trichloroethene	9.11	130	118275	50.271	ug/l	97
45) 1,2-Dichloropropane	9.39	63	100740	50.445	ug/l	99
46) Dibromomethane	9.48	93	59675	52.469	ug/l	98
47) Bromodichloromethane	9.67	83	148060	50.563	ug/l	96
48) Methyl methacrylate	9.46	41	54573	47.703	ug/l	97
49) 1,4-Dioxane	9.47	88	14280	919.832	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	303796	245.331	ug/l	99
52) Toluene	10.40	92	284952	50.875	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	151068	52.869	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	171927	52.271	ug/l	91
55) 1,1,2-Trichloroethane	10.80	97	83933	52.267	ug/l	97
56) Ethyl methacrylate	10.66	69	104220	51.249	ug/l	97
57) 1,3-Dichloropropane	10.95	76	143664	52.288	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.94	63	201482	230.497	ug/l	98
59) 2-Hexanone	10.98	43	224771	250.928	ug/l	100
60) Dibromochloromethane	11.14	129	107858	51.590	ug/l	96
61) 1,2-Dibromoethane	11.25	107	81521	52.363	ug/l	99
64) Tetrachloroethene	10.87	164	106169	49.011	ug/l	97
65) Chlorobenzene	11.67	112	326774	51.278	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	119285	50.800	ug/l	96
67) Ethyl Benzene	11.74	91	578483	50.343	ug/l	100
68) m/p-Xylenes	11.85	106	446139	100.590	ug/l	100
69) o-Xylene	12.18	106	213412	50.251	ug/l	96
70) Styrene	12.19	104	370312	51.508	ug/l	100
71) Bromoform	12.36	173	67873	53.860	ug/l #	97
73) Isopropylbenzene	12.48	105	557519	47.867	ug/l	98
74) N-amyl acetate	12.29	43	117211	46.741	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	97213	47.965	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	54393m	46.874	ug/l	
77) Bromobenzene	12.76	156	139969	48.235	ug/l	98
78) n-propylbenzene	12.82	91	671577	49.123	ug/l	100
79) 2-Chlorotoluene	12.91	91	360118	47.772	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	476162	49.003	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	32738	49.924	ug/l	95
82) 4-Chlorotoluene	13.01	91	386097	48.282	ug/l	98
83) tert-Butylbenzene	13.23	119	419002	48.452	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	493278	49.242	ug/l	100
85) sec-Butylbenzene	13.40	105	569109	48.731	ug/l	100
86) p-Isopropyltoluene	13.51	119	551206	49.878	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	279364	48.724	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	278313	49.203	ug/l	98
89) n-Butylbenzene	13.84	91	508698	49.452	ug/l	98
90) Hexachloroethane	14.11	117	96067	48.333	ug/l	94
91) 1,2-Dichlorobenzene	13.89	146	243542	49.289	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	15894	50.498	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	189721	49.761	ug/l	99
94) Hexachlorobutadiene	15.27	225	102046	48.502	ug/l	95
95) Naphthalene	15.40	128	327810	51.155	ug/l	100
96) 1,2,3-Trichlorobenzene	15.59	180	166170	50.515	ug/l	99

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

