

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011320\
 Data File : VD064841.D
 Acq On : 13 Jan 2020 11:01
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/14/2020 1:29:55 PM

Quant Time: Jan 14 11:36:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	429155	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	619377	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	542127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	271769	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	214476	56.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.36%	
35) Dibromofluoromethane	7.92	113	210150	55.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.60%	
50) Toluene-d8	10.34	98	795338	54.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.30%	
62) 4-Bromofluorobenzene	12.64	95	255850	55.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	145864	43.735	ug/l	100
3) Chloromethane	2.21	50	225866	48.423	ug/l	96
4) Vinyl Chloride	2.35	62	266840	46.919	ug/l	97
5) Bromomethane	2.77	94	181349	43.855	ug/l	96
6) Chloroethane	2.92	64	181110	47.526	ug/l	97
7) Trichlorofluoromethane	3.27	101	442738	46.234	ug/l	96
8) Diethyl Ether	3.71	74	98167	51.624	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	202092	50.959	ug/l	98
10) Methyl Iodide	4.30	142	218135	51.207	ug/l	100
11) Tert butyl alcohol	5.24	59	59023	272.151	ug/l	97
12) 1,1-Dichloroethene	4.06	96	186055	49.278	ug/l	98
13) Acrolein	3.93	56	67531	223.428	ug/l	99
14) Allyl chloride	4.71	41	315991	53.679	ug/l	99
15) Acrylonitrile	5.43	53	212353	268.099	ug/l	99
16) Acetone	4.16	43	262968	344.516	ug/l	94
17) Carbon Disulfide	4.40	76	545734	44.701	ug/l	100
18) Methyl Acetate	4.72	43	115629	54.274	ug/l	96
19) Methyl tert-butyl Ether	5.49	73	453047	54.023	ug/l	98
20) Methylene Chloride	4.96	84	211431	55.131	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	217158	50.503	ug/l	97
22) Diisopropyl ether	6.37	45	654590	55.750	ug/l	97
23) Vinyl Acetate	6.31	43	1823741	273.814	ug/l	99
24) 1,1-Dichloroethane	6.26	63	388971	55.182	ug/l	98
25) 2-Butanone	7.22	43	300084	288.488	ug/l	99
26) 2,2-Dichloropropane	7.21	77	359326	54.828	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	245319	52.864	ug/l	96
28) Bromochloromethane	7.55	49	148149	54.067	ug/l	98
29) Tetrahydrofuran	7.57	42	174875	270.339	ug/l	96
30) Chloroform	7.71	83	405047	54.770	ug/l	98
31) Cyclohexane	7.98	56	337919	47.892	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	374131	53.861	ug/l	99
36) 1,1-Dichloropropene	8.11	75	314309	52.723	ug/l	99
37) Ethyl Acetate	7.30	43	125039	53.390	ug/l	97
38) Carbon Tetrachloride	8.10	117	338493	53.250	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	359255	49.755	ug/l	97
40) Benzene	8.36	78	866993	53.274	ug/l	99
41) Methacrylonitrile	7.53	41	71183	52.386	ug/l	92
42) 1,2-Dichloroethane	8.43	62	259285	55.134	ug/l	98
43) Isopropyl Acetate	8.46	43	245694	52.707	ug/l	99
44) Trichloroethene	9.11	130	244284	51.096	ug/l	99
45) 1,2-Dichloropropane	9.39	63	217631	56.009	ug/l	93
46) Dibromomethane	9.48	93	115621	53.370	ug/l	99
47) Bromodichloromethane	9.67	83	310349	53.836	ug/l	99
48) Methyl methacrylate	9.46	41	116301	52.987	ug/l	92
49) 1,4-Dioxane	9.47	88	26681	1068.092	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	632596	274.554	ug/l	99
52) Toluene	10.41	92	569620	53.350	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	291326	54.205	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	345711	54.551	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	157875	54.074	ug/l	94
56) Ethyl methacrylate	10.67	69	195214	53.539	ug/l	97
57) 1,3-Dichloropropane	10.95	76	270731	53.856	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	316977	228.177	ug/l	100
59) 2-Hexanone	10.99	43	481080	307.630	ug/l	98
60) Dibromochloromethane	11.14	129	217743	53.931	ug/l	99
61) 1,2-Dibromoethane	11.25	107	151279	52.534	ug/l	99
64) Tetrachloroethene	10.88	164	222771	53.562	ug/l	98
65) Chlorobenzene	11.67	112	599250	53.258	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	233731	55.103	ug/l	98
67) Ethyl Benzene	11.75	91	1100139	53.869	ug/l	99
68) m/p-Xylenes	11.86	106	854533	108.406	ug/l	97
69) o-Xylene	12.18	106	382551	53.729	ug/l	98
70) Styrene	12.20	104	701506	56.131	ug/l	99
71) Bromoform	12.37	173	125216	51.764	ug/l #	100
73) Isopropylbenzene	12.48	105	1056226	54.385	ug/l	99
74) N-amyl acetate	12.30	43	225044	54.207	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	162990	53.424	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	124327m	57.933	ug/l	
77) Bromobenzene	12.77	156	251421	52.686	ug/l	98
78) n-propylbenzene	12.83	91	1243590	54.887	ug/l	98
79) 2-Chlorotoluene	12.91	91	681389	54.745	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	870719	54.578	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	55405	53.996	ug/l	96
82) 4-Chlorotoluene	13.01	91	725192	54.750	ug/l	100
83) tert-Butylbenzene	13.23	119	748042	54.004	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	874028	55.009	ug/l	97
85) sec-Butylbenzene	13.41	105	1043393	54.945	ug/l	98
86) p-Isopropyltoluene	13.53	119	985576	54.278	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	491706	54.050	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	476243	53.290	ug/l	99
89) n-Butylbenzene	13.85	91	895535	54.766	ug/l	99
90) Hexachloroethane	14.12	117	184476	53.185	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	411519	53.050	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	27101	54.796	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	291060	50.958	ug/l	100
94) Hexachlorobutadiene	15.28	225	183187	50.967	ug/l	99
95) Naphthalene	15.41	128	467301	51.715	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	244520	50.146	ug/l	99

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

