

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112219\
 Data File : VD064350.D
 Acq On : 22 Nov 2019 17:20
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/26/2019 1:34:47 AM

Quant Time: Nov 23 01:33:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	488619	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	711392	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	624873	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	318847	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	194459	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
35) Dibromofluoromethane	7.92	113	200129	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
50) Toluene-d8	10.34	98	729881	47.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.76%	
62) 4-Bromofluorobenzene	12.64	95	241934	45.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	150386	37.110	ug/l	99
3) Chloromethane	2.21	50	202774	46.649	ug/l	98
4) Vinyl Chloride	2.35	62	250874	53.971	ug/l	99
5) Bromomethane	2.77	94	181718	61.910	ug/l	99
6) Chloroethane	2.92	64	182661	61.498	ug/l	98
7) Trichlorofluoromethane	3.27	101	456314	60.549	ug/l	99
8) Diethyl Ether	3.71	74	106923	51.599	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	208501	48.405	ug/l	98
10) Methyl Iodide	4.29	142	231096	47.121	ug/l	98
11) Tert butyl alcohol	5.26	59	68979	245.755	ug/l	97
12) 1,1-Dichloroethene	4.06	96	196282	47.807	ug/l	96
13) Acrolein	3.93	56	69337	292.007	ug/l	98
14) Allyl chloride	4.71	41	327216	45.075	ug/l	95
15) Acrylonitrile	5.43	53	236887	268.154	ug/l	100
16) Acetone	4.17	43	202168	212.359	ug/l	100
17) Carbon Disulfide	4.40	76	549363	42.965	ug/l	99
18) Methyl Acetate	4.73	43	137222	51.607	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	504595	51.481	ug/l	96
20) Methylene Chloride	4.96	84	232975	48.446	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	229381	49.311	ug/l	91
22) Diisopropyl ether	6.37	45	681232	50.577	ug/l	99
23) Vinyl Acetate	6.31	43	1969035	262.257	ug/l	97
24) 1,1-Dichloroethane	6.27	63	392777	50.223	ug/l	100
25) 2-Butanone	7.22	43	304621	247.671	ug/l	95
26) 2,2-Dichloropropane	7.21	77	352699	45.987	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	263126	52.747	ug/l	94
28) Bromochloromethane	7.55	49	158711	58.291	ug/l	99
29) Tetrahydrofuran	7.57	42	193142	261.364	ug/l	96
30) Chloroform	7.71	83	424805	53.103	ug/l	99
31) Cyclohexane	7.98	56	339569	43.053	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	375243	48.988	ug/l	100
36) 1,1-Dichloropropene	8.11	75	308791	47.032	ug/l	98
37) Ethyl Acetate	7.30	43	136424	49.288	ug/l	97
38) Carbon Tetrachloride	8.10	117	341461	48.605	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	373552	44.964	ug/l	97
40) Benzene	8.35	78	896422	49.957	ug/l	97
41) Methacrylonitrile	7.53	41	93468	53.728	ug/l #	92
42) 1,2-Dichloroethane	8.43	62	270813	50.251	ug/l	99
43) Isopropyl Acetate	8.46	43	276226	48.436	ug/l	97
44) Trichloroethene	9.11	130	266962	49.571	ug/l	97
45) 1,2-Dichloropropane	9.39	63	219680	50.299	ug/l	97
46) Dibromomethane	9.48	93	125251	53.568	ug/l	98
47) Bromodichloromethane	9.66	83	327048	51.928	ug/l	98
48) Methyl methacrylate	9.46	41	132027	47.345	ug/l	93
49) 1,4-Dioxane	9.47	88	30075	1071.006	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	691910	253.001	ug/l	99
52) Toluene	10.41	92	582300	49.351	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	313853	49.742	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	370900	50.374	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	170850	53.864	ug/l	97
56) Ethyl methacrylate	10.66	69	223069	50.274	ug/l	95
57) 1,3-Dichloropropane	10.95	76	295377	53.397	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	456455	253.963	ug/l	100
59) 2-Hexanone	10.99	43	465939	239.475	ug/l	97
60) Dibromochloromethane	11.14	129	235709	53.256	ug/l	99
61) 1,2-Dibromoethane	11.25	107	170132	53.552	ug/l	98
64) Tetrachloroethene	10.88	164	226559	47.142	ug/l	97
65) Chlorobenzene	11.67	112	639232	50.306	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	251035	51.956	ug/l	98
67) Ethyl Benzene	11.75	91	1133819	49.330	ug/l	98
68) m/p-Xylenes	11.86	106	874919	99.310	ug/l	98
69) o-Xylene	12.18	106	403804	49.421	ug/l	100
70) Styrene	12.20	104	711181	49.863	ug/l	98
71) Bromoform	12.37	173	144806	52.662	ug/l #	100
73) Isopropylbenzene	12.48	105	1091594	46.643	ug/l	100
74) N-amyl acetate	12.29	43	251650	45.534	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	184477	52.312	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	141476m	55.087	ug/l	
77) Bromobenzene	12.77	156	281069	49.435	ug/l	97
78) n-propylbenzene	12.83	91	1256564	46.994	ug/l	99
79) 2-Chlorotoluene	12.91	91	695720	46.086	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	903105	46.962	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	59341	45.897	ug/l	99
82) 4-Chlorotoluene	13.01	91	735156	46.690	ug/l	98
83) tert-Butylbenzene	13.23	119	786319	46.371	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	913476	48.114	ug/l	100
85) sec-Butylbenzene	13.41	105	1063490	46.696	ug/l	100
86) p-Isopropyltoluene	13.53	119	1010313	46.661	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	524474	49.693	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	509955	49.506	ug/l	99
89) n-Butylbenzene	13.86	91	919583	47.010	ug/l	99
90) Hexachloroethane	14.12	117	188789	47.180	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	448328	50.187	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	28674	45.478	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	347484	50.425	ug/l	100
94) Hexachlorobutadiene	15.28	225	211614	47.543	ug/l	99
95) Naphthalene	15.41	128	576987	51.078	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	300952	51.377	ug/l	98

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

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