

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111119\
 Data File : VD064174.D
 Acq On : 11 Nov 2019 13:16
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/12/2019 10:25:40 AM

Quant Time: Nov 12 02:55:49 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	733362	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1047392	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	904410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	440959	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	281181	46.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.24%	
35) Dibromofluoromethane	7.91	113	283968	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	
50) Toluene-d8	10.34	98	1085595	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	
62) 4-Bromofluorobenzene	12.64	95	359195	45.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	296707	48.782	ug/l	100
3) Chloromethane	2.21	50	333085	51.055	ug/l	98
4) Vinyl Chloride	2.35	62	371309	53.222	ug/l	100
5) Bromomethane	2.77	94	240520	54.597	ug/l	96
6) Chloroethane	2.93	64	239278	53.675	ug/l	100
7) Trichlorofluoromethane	3.27	101	582796	51.524	ug/l	98
8) Diethyl Ether	3.71	74	147802	47.523	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	313313	48.463	ug/l	99
10) Methyl Iodide	4.29	142	372581	50.466	ug/l	99
11) Tert butyl alcohol	5.24	59	98993	234.986	ug/l	99
12) 1,1-Dichloroethene	4.06	96	311463	50.544	ug/l	93
13) Acrolein	3.92	56	80037	224.580	ug/l	96
14) Allyl chloride	4.71	41	557806	51.196	ug/l	98
15) Acrylonitrile	5.43	53	308830	232.924	ug/l	100
16) Acetone	4.17	43	393466	275.371	ug/l	98
17) Carbon Disulfide	4.40	76	990951	51.637	ug/l	99
18) Methyl Acetate	4.72	43	183799	46.055	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	705427	47.952	ug/l	98
20) Methylene Chloride	4.97	84	324950	45.022	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	349601	50.074	ug/l	99
22) Diisopropyl ether	6.37	45	1014819	50.200	ug/l	98
23) Vinyl Acetate	6.31	43	2819198	250.179	ug/l	99
24) 1,1-Dichloroethane	6.27	63	604787	51.525	ug/l	99
25) 2-Butanone	7.22	43	436038	236.206	ug/l	98
26) 2,2-Dichloropropane	7.21	77	581957	50.556	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	380243	50.787	ug/l	99
28) Bromochloromethane	7.55	49	222830	54.528	ug/l	98
29) Tetrahydrofuran	7.57	42	256209	231.002	ug/l	100
30) Chloroform	7.71	83	611172	50.903	ug/l	100
31) Cyclohexane	7.98	56	558466	47.176	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	582420	50.660	ug/l	99
36) 1,1-Dichloropropene	8.11	75	488030	50.486	ug/l	99
37) Ethyl Acetate	7.30	43	184490	45.272	ug/l	98
38) Carbon Tetrachloride	8.10	117	523099	50.573	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	591664	48.372	ug/l	99
40) Benzene	8.35	78	1333594	50.479	ug/l	99
41) Methacrylonitrile	7.53	41	112494	43.920	ug/l	94
42) 1,2-Dichloroethane	8.43	62	385218	48.549	ug/l	99
43) Isopropyl Acetate	8.46	43	385468	45.908	ug/l	99
44) Trichloroethene	9.11	130	400024	50.450	ug/l	97
45) 1,2-Dichloropropane	9.39	63	323655	50.333	ug/l	95
46) Dibromomethane	9.48	93	165018	47.936	ug/l	99
47) Bromodichloromethane	9.67	83	459151	49.516	ug/l	99
48) Methyl methacrylate	9.46	41	185903	45.279	ug/l	100
49) 1,4-Dioxane	9.47	88	36710	887.913	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	922568	229.124	ug/l	99
52) Toluene	10.40	92	872227	50.209	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	453759	48.845	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	541752	49.975	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	223948	47.955	ug/l	97
56) Ethyl methacrylate	10.66	69	308288	47.191	ug/l	97
57) 1,3-Dichloropropane	10.95	76	395065	48.507	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	588569	222.418	ug/l	99
59) 2-Hexanone	10.99	43	678846	236.975	ug/l	100
60) Dibromochloromethane	11.14	129	310776	47.692	ug/l	99
61) 1,2-Dibromoethane	11.25	107	222424	47.552	ug/l	100
64) Tetrachloroethene	10.88	164	342106	49.183	ug/l	99
65) Chlorobenzene	11.67	112	902226	49.057	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	342586	48.989	ug/l	99
67) Ethyl Benzene	11.75	91	1674270	50.329	ug/l	100
68) m/p-Xylenes	11.86	106	1288660	101.062	ug/l	99
69) o-Xylene	12.18	106	579464	48.999	ug/l	97
70) Styrene	12.20	104	1019570	49.391	ug/l	100
71) Bromoform	12.37	173	187737	47.172	ug/l #	98
73) Isopropylbenzene	12.48	105	1618933	50.019	ug/l	99
74) N-amyl acetate	12.29	43	354308	46.356	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	225956	46.331	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	170570m	48.024	ug/l	
77) Bromobenzene	12.76	156	386986	49.215	ug/l	100
78) n-propylbenzene	12.83	91	1863456	50.392	ug/l	100
79) 2-Chlorotoluene	12.91	91	1038847	49.759	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	1336457	50.251	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	85732	47.947	ug/l	98
82) 4-Chlorotoluene	13.01	91	1103938	50.696	ug/l	99
83) tert-Butylbenzene	13.23	119	1173351	50.034	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1307282	49.789	ug/l	100
85) sec-Butylbenzene	13.41	105	1576814	50.062	ug/l	99
86) p-Isopropyltoluene	13.52	119	1485613	49.613	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	715965	49.051	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	705413	49.517	ug/l	99
89) n-Butylbenzene	13.85	91	1367772	50.559	ug/l	99
90) Hexachloroethane	14.11	117	273826	49.481	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	601132	48.658	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	39361	45.140	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	462782	48.559	ug/l	99
94) Hexachlorobutadiene	15.27	225	299586	48.668	ug/l	98
95) Naphthalene	15.41	128	722327	46.236	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	392136	48.405	ug/l	98

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

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