

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD103119\
 Data File : VD064126.D
 Acq On : 31 Oct 2019 11:52
 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
 11/1/2019 12:06:58 PM

Quant Time: Nov 01 08:16:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	252962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	361142	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	362757	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	205471	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	99577	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
35) Dibromofluoromethane	7.91	113	110383	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
50) Toluene-d8	10.34	98	448890	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
62) 4-Bromofluorobenzene	12.64	95	148973	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	124102	48.045	ug/l	95
3) Chloromethane	2.21	50	195780	45.427	ug/l	99
4) Vinyl Chloride	2.35	62	220533	47.187	ug/l	100
5) Bromomethane	2.77	94	142368	46.742	ug/l	100
6) Chloroethane	2.92	64	133267	45.909	ug/l	96
7) Trichlorofluoromethane	3.27	101	306890	47.700	ug/l	96
8) Diethyl Ether	3.71	74	51472	46.026	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	113209	48.827	ug/l	99
10) Methyl Iodide	4.29	142	136391	47.481	ug/l	98
11) Tert butyl alcohol	5.26	59	24294m	210.855	ug/l	
12) 1,1-Dichloroethene	4.06	96	104378	47.567	ug/l	85
13) Acrolein	3.92	56	28024	218.464	ug/l	97
14) Allyl chloride	4.71	41	124281	48.390	ug/l	97
15) Acrylonitrile	5.43	53	96046	232.507	ug/l	98
16) Acetone	4.17	43	105224	274.889	ug/l	97
17) Carbon Disulfide	4.40	76	323280	47.941	ug/l	98
18) Methyl Acetate	4.72	43	46281	45.453	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	206276	46.326	ug/l	99
20) Methylene Chloride	4.96	84	120309	49.130	ug/l	89
21) trans-1,2-Dichloroethene	5.47	96	119089	48.346	ug/l #	91
22) Diisopropyl ether	6.37	45	270282	47.518	ug/l	97
23) Vinyl Acetate	6.31	43	770216	247.035	ug/l #	93
24) 1,1-Dichloroethane	6.27	63	179161	46.645	ug/l	99
25) 2-Butanone	7.23	43	123532	233.436	ug/l	98
26) 2,2-Dichloropropane	7.21	77	172048	47.194	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	129387	46.942	ug/l	99
28) Bromochloromethane	7.54	49	71283	47.719	ug/l	96
29) Tetrahydrofuran	7.57	42	71689	232.120	ug/l	95
30) Chloroform	7.71	83	204018	46.419	ug/l	94
31) Cyclohexane	7.98	56	165776	44.301	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	198592	48.540	ug/l	97
36) 1,1-Dichloropropene	8.11	75	165265	48.837	ug/l	99
37) Ethyl Acetate	7.30	43	52144	50.062	ug/l #	94
38) Carbon Tetrachloride	8.10	117	183663	49.744	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	206255	49.651	ug/l	95
40) Benzene	8.35	78	444572	48.176	ug/l	100
41) Methacrylonitrile	7.53	41	30715	51.098	ug/l	88
42) 1,2-Dichloroethane	8.43	62	117765	48.312	ug/l	99
43) Isopropyl Acetate	8.46	43	103218	49.034	ug/l	99
44) Trichloroethene	9.11	130	140853	50.360	ug/l	97
45) 1,2-Dichloropropane	9.39	63	103540	48.415	ug/l	92
46) Dibromomethane	9.48	93	62515	48.536	ug/l	97
47) Bromodichloromethane	9.67	83	162553	50.026	ug/l	96
48) Methyl methacrylate	9.46	41	51259	52.657	ug/l	93
49) 1,4-Dioxane	9.47	88	14987	1016.519	ug/l #	87
51) 4-Methyl-2-Pentanone	10.23	43	282673	246.666	ug/l	99
52) Toluene	10.41	92	322790	49.913	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	152826	50.385	ug/l	88
54) cis-1,3-Dichloropropene	10.09	75	176869	49.563	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	84796	46.435	ug/l	95
56) Ethyl methacrylate	10.67	69	101615	46.036	ug/l	98
57) 1,3-Dichloropropane	10.95	76	148014	49.009	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	216754	270.929	ug/l	98
59) 2-Hexanone	10.99	43	205331	229.345	ug/l	99
60) Dibromochloromethane	11.14	129	124841	50.368	ug/l	99
61) 1,2-Dibromoethane	11.25	107	90704	49.662	ug/l	96
64) Tetrachloroethene	10.88	164	126139	48.402	ug/l	97
65) Chlorobenzene	11.67	112	363172	48.453	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	132462	47.230	ug/l	97
67) Ethyl Benzene	11.75	91	654641	49.104	ug/l	95
68) m/p-Xylenes	11.86	106	535998	99.955	ug/l	98
69) o-Xylene	12.18	106	247669	50.608	ug/l	100
70) Styrene	12.20	104	424764	50.325	ug/l	99
71) Bromoform	12.37	173	73118	48.815	ug/l #	98
73) Isopropylbenzene	12.48	105	687495	48.150	ug/l	100
74) N-amyl acetate	12.30	43	113304	47.767	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	99938	44.406	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	73119m	52.960	ug/l	
77) Bromobenzene	12.77	156	161471	46.839	ug/l	99
78) n-propylbenzene	12.83	91	819104	48.953	ug/l	99
79) 2-Chlorotoluene	12.91	91	425402	47.428	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	579340	48.481	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	34179	50.558	ug/l	100
82) 4-Chlorotoluene	13.01	91	461980	48.203	ug/l	100
83) tert-Butylbenzene	13.23	119	522712	48.701	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	598085	49.823	ug/l	99
85) sec-Butylbenzene	13.41	105	736631	49.977	ug/l	100
86) p-Isopropyltoluene	13.52	119	698529	50.440	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	337800	48.897	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	332202	48.780	ug/l	98
89) n-Butylbenzene	13.85	91	641633	50.232	ug/l	98
90) Hexachloroethane	14.11	117	121744	46.954	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	286740	48.228	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14840	45.150	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	208484	48.783	ug/l	99
94) Hexachlorobutadiene	15.27	225	125482	50.237	ug/l	100
95) Naphthalene	15.41	128	337673	48.447	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	176514	47.683	ug/l	97

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

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