

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111919\
 Data File : VD064280.D
 Acq On : 19 Nov 2019 10:19
 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
 11/20/2019 9:56:44 AM

Quant Time: Nov 20 03:57:12 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	634872	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	899796	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	768382	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	381741	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	250460	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	
35) Dibromofluoromethane	7.92	113	253674	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
50) Toluene-d8	10.34	98	949694	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
62) 4-Bromofluorobenzene	12.64	95	314753	46.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.30%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	251039	47.677	ug/l	98
3) Chloromethane	2.21	50	282647	50.045	ug/l	97
4) Vinyl Chloride	2.35	62	342640	56.732	ug/l	98
5) Bromomethane	2.77	94	232815	61.046	ug/l	98
6) Chloroethane	2.93	64	231711	60.041	ug/l	99
7) Trichlorofluoromethane	3.27	101	601248	61.402	ug/l	99
8) Diethyl Ether	3.71	74	132823	49.332	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	282067	50.398	ug/l	100
10) Methyl Iodide	4.29	142	299964	47.076	ug/l	99
11) Tert butyl alcohol	5.25	59	87757	240.631	ug/l	99
12) 1,1-Dichloroethene	4.06	96	266811	50.015	ug/l	98
13) Acrolein	3.93	56	83443	270.459	ug/l	99
14) Allyl chloride	4.71	41	429521	45.538	ug/l	95
15) Acrylonitrile	5.43	53	287919	250.840	ug/l	99
16) Acetone	4.17	43	302897	244.871	ug/l	98
17) Carbon Disulfide	4.40	76	782263	47.086	ug/l	100
18) Methyl Acetate	4.73	43	166338	48.146	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	614302	48.236	ug/l	97
20) Methylene Chloride	4.96	84	274447	43.923	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	297803	49.272	ug/l	99
22) Diisopropyl ether	6.37	45	833187	47.609	ug/l	99
23) Vinyl Acetate	6.31	43	2448240	250.964	ug/l	99
24) 1,1-Dichloroethane	6.26	63	497432	48.953	ug/l	99
25) 2-Butanone	7.22	43	387992	242.785	ug/l	99
26) 2,2-Dichloropropane	7.21	77	474501	47.616	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	326943	50.442	ug/l	94
28) Bromochloromethane	7.55	49	190173	53.756	ug/l	97
29) Tetrahydrofuran	7.57	42	235596	245.370	ug/l	97
30) Chloroform	7.71	83	522801	50.298	ug/l	97
31) Cyclohexane	7.98	56	471005	45.960	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	491975	49.432	ug/l	100
36) 1,1-Dichloropropene	8.11	75	414552	49.920	ug/l	99
37) Ethyl Acetate	7.30	43	169809	48.504	ug/l	99
38) Carbon Tetrachloride	8.10	117	452969	50.977	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	520150	49.501	ug/l	96
40) Benzene	8.35	78	1123009	49.481	ug/l	98
41) Methacrylonitrile	7.53	41	97834	44.462	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	326649	47.920	ug/l	99
43) Isopropyl Acetate	8.46	43	339548	47.072	ug/l	99
44) Trichloroethene	9.11	130	340956	50.054	ug/l	100
45) 1,2-Dichloropropane	9.39	63	272642	49.355	ug/l	97
46) Dibromomethane	9.48	93	147990	50.041	ug/l	98
47) Bromodichloromethane	9.67	83	394114	49.474	ug/l	99
48) Methyl methacrylate	9.46	41	156743	44.439	ug/l	94
49) 1,4-Dioxane	9.47	88	34300	965.707	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	826931	239.060	ug/l	99
52) Toluene	10.41	92	728904	48.841	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	383437	48.046	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	449508	48.268	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	202411	50.453	ug/l	98
56) Ethyl methacrylate	10.67	69	272339	48.527	ug/l	95
57) 1,3-Dichloropropane	10.95	76	351300	50.209	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	564456	248.295	ug/l	99
59) 2-Hexanone	10.99	43	582316	236.622	ug/l	98
60) Dibromochloromethane	11.14	129	282727	50.504	ug/l	100
61) 1,2-Dibromoethane	11.25	107	204821	50.972	ug/l	97
64) Tetrachloroethene	10.88	164	295534	50.009	ug/l	97
65) Chlorobenzene	11.68	112	781735	50.031	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	298776	50.288	ug/l	99
67) Ethyl Benzene	11.75	91	1417343	50.148	ug/l	100
68) m/p-Xylenes	11.86	106	1083811	100.044	ug/l	100
69) o-Xylene	12.18	106	496665	49.433	ug/l	100
70) Styrene	12.20	104	869308	49.567	ug/l	99
71) Bromoform	12.37	173	170315	50.371	ug/l	98
73) Isopropylbenzene	12.48	105	1378566	49.200	ug/l	99
74) N-amyl acetate	12.30	43	307259	46.437	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	208177	49.307	ug/l	98
76) 1,2,3-Trichloropropane	12.80	75	144936m	47.137	ug/l	
77) Bromobenzene	12.77	156	333981	49.063	ug/l	98
78) n-propylbenzene	12.83	91	1582881	49.445	ug/l	99
79) 2-Chlorotoluene	12.91	91	873381	48.323	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1112791	48.332	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	73746	47.642	ug/l	96
82) 4-Chlorotoluene	13.01	91	915689	48.574	ug/l	99
83) tert-Butylbenzene	13.23	119	978966	48.220	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	1115409	49.071	ug/l	100
85) sec-Butylbenzene	13.41	105	1355617	49.716	ug/l	99
86) p-Isopropyltoluene	13.53	119	1288485	49.704	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	626299	49.564	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	621119	50.364	ug/l	100
89) n-Butylbenzene	13.86	91	1176560	50.237	ug/l	99
90) Hexachloroethane	14.12	117	235416	49.139	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	541110	50.594	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	33803	44.779	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	415631	50.377	ug/l	100
94) Hexachlorobutadiene	15.28	225	267777	50.249	ug/l	99
95) Naphthalene	15.41	128	671275	49.634	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	353758	50.442	ug/l	99

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

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