

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102419\
 Data File : VD064038.D
 Acq On : 24 Oct 2019 10:52
 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
 10/25/2019 4:48:03 PM

Quant Time: Oct 25 04:03:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	185610	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	279580	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	272290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	157832	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	83643	46.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.58%	
35) Dibromofluoromethane	7.91	113	87853	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
50) Toluene-d8	10.34	98	362340	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
62) 4-Bromofluorobenzene	12.63	95	117954	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	59053	44.863	ug/l	89
3) Chloromethane	2.21	50	177167	49.811	ug/l	94
4) Vinyl Chloride	2.35	62	219386	51.568	ug/l	93
5) Bromomethane	2.77	94	130795	47.821	ug/l	98
6) Chloroethane	2.93	64	140349	49.884	ug/l	95
7) Trichlorofluoromethane	3.27	101	312795	55.610	ug/l	97
8) Diethyl Ether	3.70	74	41225	45.662	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	81922	52.615	ug/l	93
10) Methyl Iodide	4.29	142	94983	44.272	ug/l	99
11) Tert butyl alcohol	5.24	59	27598	218.835	ug/l	98
12) 1,1-Dichloroethene	4.07	96	76291	49.044	ug/l	81
13) Acrolein	3.92	56	32127	199.058	ug/l	93
14) Allyl chloride	4.71	41	122782	47.475	ug/l	100
15) Acrylonitrile	5.42	53	100250	251.858	ug/l	95
16) Acetone	4.17	43	119078	253.102	ug/l	95
17) Carbon Disulfide	4.40	76	239354	42.329	ug/l #	92
18) Methyl Acetate	4.72	43	46432	50.459	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	188521	46.801	ug/l	99
20) Methylene Chloride	4.97	84	95017	45.229	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	92915	47.981	ug/l	94
22) Diisopropyl ether	6.37	45	251109	47.541	ug/l	91
23) Vinyl Acetate	6.31	43	768914	244.711	ug/l	98
24) 1,1-Dichloroethane	6.27	63	166283	51.110	ug/l	96
25) 2-Butanone	7.23	43	138043	247.583	ug/l	91
26) 2,2-Dichloropropane	7.21	77	145791	49.538	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	108734	49.608	ug/l	97
28) Bromochloromethane	7.54	49	67662	54.527	ug/l	100
29) Tetrahydrofuran	7.57	42	74177	227.929	ug/l	99
30) Chloroform	7.71	83	176267	49.883	ug/l	98
31) Cyclohexane	7.98	56	150481	56.459	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	163390	53.903	ug/l	97
36) 1,1-Dichloropropene	8.11	75	140693	55.038	ug/l	99
37) Ethyl Acetate	7.30	43	54108	53.029	ug/l	100
38) Carbon Tetrachloride	8.10	117	147061	56.930	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	171405	54.534	ug/l	94
40) Benzene	8.36	78	396251	54.092	ug/l	99
41) Methacrylonitrile	7.54	41	29994	50.609	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	105743	49.902	ug/l	100
43) Isopropyl Acetate	8.46	43	98240	45.826	ug/l	98
44) Trichloroethene	9.11	130	113467	53.715	ug/l	99
45) 1,2-Dichloropropane	9.39	63	95137	53.059	ug/l	94
46) Dibromomethane	9.48	93	54678	53.545	ug/l	98
47) Bromodichloromethane	9.67	83	139180	52.939	ug/l	91
48) Methyl methacrylate	9.46	41	47589	46.331	ug/l	95
49) 1,4-Dioxane	9.47	88	14853	1065.597	ug/l	88
51) 4-Methyl-2-Pentanone	10.23	43	279535	251.423	ug/l	98
52) Toluene	10.40	92	277690	55.220	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	132657	51.708	ug/l	93
54) cis-1,3-Dichloropropene	10.09	75	152357	51.591	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	79726	55.295	ug/l	92
56) Ethyl methacrylate	10.66	69	89380	48.952	ug/l	96
57) 1,3-Dichloropropane	10.95	76	130686	52.976	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	181205	230.886	ug/l	99
59) 2-Hexanone	10.99	43	213165	265.048	ug/l	100
60) Dibromochloromethane	11.14	129	102639	54.679	ug/l	99
61) 1,2-Dibromoethane	11.25	107	77054	55.126	ug/l	99
64) Tetrachloroethene	10.88	164	102229	54.996	ug/l	97
65) Chlorobenzene	11.67	112	307917	56.309	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	113041	56.101	ug/l	99
67) Ethyl Benzene	11.75	91	563612	57.159	ug/l	97
68) m/p-Xylenes	11.86	106	447394	117.552	ug/l	95
69) o-Xylene	12.18	106	205814	56.475	ug/l	95
70) Styrene	12.20	104	353763	57.342	ug/l	99
71) Bromoform	12.36	173	64550	59.693	ug/l #	97
73) Isopropylbenzene	12.48	105	568495	53.580	ug/l	99
74) N-amyl acetate	12.29	43	104945	45.940	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	91470	49.542	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	61645m	58.314	ug/l	
77) Bromobenzene	12.76	156	137684	52.085	ug/l	97
78) n-propylbenzene	12.83	91	678773	54.502	ug/l	99
79) 2-Chlorotoluene	12.91	91	355694	51.796	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	481178	54.359	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	27413	45.889	ug/l	94
82) 4-Chlorotoluene	13.01	91	375569	51.555	ug/l	98
83) tert-Butylbenzene	13.23	119	423789	53.794	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	486585	53.321	ug/l	99
85) sec-Butylbenzene	13.41	105	597163	56.130	ug/l	98
86) p-Isopropyltoluene	13.52	119	581424	57.754	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	285907	54.738	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	278053	53.960	ug/l	98
89) n-Butylbenzene	13.85	91	534255	57.012	ug/l	98
90) Hexachloroethane	14.11	117	105174	58.086	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	244722	54.367	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14653	51.135	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	184038	52.988	ug/l	99
94) Hexachlorobutadiene	15.27	225	110728	57.772	ug/l	97
95) Naphthalene	15.41	128	315660	54.073	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	156800	52.325	ug/l	99

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

