

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100319\
 Data File : VD063882.D
 Acq On : 03 Oct 2019 18:16
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/4/2019 4:31:43 PM

Quant Time: Oct 04 01:53:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 03 04:49:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	198100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	317984	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	319581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	173210	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	97896	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
35) Dibromofluoromethane	7.92	113	96840	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
50) Toluene-d8	10.34	98	394972	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
62) 4-Bromofluorobenzene	12.63	95	132919	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	57420	40.872	ug/l	97
3) Chloromethane	2.21	50	181723	47.684	ug/l	97
4) Vinyl Chloride	2.35	62	204889	45.124	ug/l	97
5) Bromomethane	2.77	94	130020	44.541	ug/l	91
6) Chloroethane	2.93	64	129424	43.100	ug/l #	88
7) Trichlorofluoromethane	3.27	101	267433	44.547	ug/l	99
8) Diethyl Ether	3.71	74	42016	43.604	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	74152	44.622	ug/l	96
10) Methyl Iodide	4.30	142	109048	47.623	ug/l	98
11) Tert butyl alcohol	5.24	59	34669	259.038	ug/l #	91
12) 1,1-Dichloroethene	4.06	96	74317	44.763	ug/l	94
13) Acrolein	3.93	56	34769	201.845	ug/l	90
14) Allyl chloride	4.71	41	123232	44.645	ug/l	96
15) Acrylonitrile	5.43	53	102117	240.373	ug/l	97
16) Acetone	4.17	43	107385	213.858	ug/l	89
17) Carbon Disulfide	4.40	76	268867	44.550	ug/l #	92
18) Methyl Acetate	4.71	43	45586	46.416	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	195439	45.460	ug/l	99
20) Methylene Chloride	4.96	84	102434	45.717	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	94173	45.565	ug/l	97
22) Diisopropyl ether	6.37	45	266803	47.328	ug/l	98
23) Vinyl Acetate	6.31	43	798670	238.155	ug/l	100
24) 1,1-Dichloroethane	6.27	63	162736	46.866	ug/l	95
25) 2-Butanone	7.22	43	132128	222.033	ug/l #	88
26) 2,2-Dichloropropane	7.21	77	143070	45.548	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	109040	46.611	ug/l	99
28) Bromochloromethane	7.55	49	69310	52.408	ug/l	99
29) Tetrahydrofuran	7.58	42	77839	224.101	ug/l	98
30) Chloroform	7.71	83	173636	46.040	ug/l	100
31) Cyclohexane	7.98	56	140862	48.985	ug/l #	93
32) 1,1,1-Trichloroethane	7.91	97	149367	46.170	ug/l	98
36) 1,1-Dichloropropene	8.12	75	131281	45.154	ug/l	99
37) Ethyl Acetate	7.30	43	55262	47.176	ug/l	100
38) Carbon Tetrachloride	8.10	117	133418	45.410	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	161008	45.040	ug/l	95
40) Benzene	8.35	78	392363	47.092	ug/l	95
41) Methacrylonitrile	7.53	41	34529	51.224	ug/l #	58
42) 1,2-Dichloroethane	8.43	62	110649	45.911	ug/l	99
43) Isopropyl Acetate	8.46	43	111727	45.823	ug/l	97
44) Trichloroethene	9.11	130	108744	45.262	ug/l	85
45) 1,2-Dichloropropane	9.39	63	93630	45.912	ug/l	99
46) Dibromomethane	9.48	93	54780	47.166	ug/l	99
47) Bromodichloromethane	9.67	83	138895	46.450	ug/l	96
48) Methyl methacrylate	9.46	41	51967	44.483	ug/l	98
49) 1,4-Dioxane	9.47	88	15490	977.082	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	286083	226.236	ug/l	99
52) Toluene	10.40	92	271239	47.423	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	136240	46.691	ug/l	91
54) cis-1,3-Dichloropropene	10.09	75	156467	46.584	ug/l	94
55) 1,1,2-Trichloroethane	10.81	97	74869	45.655	ug/l	96
56) Ethyl methacrylate	10.66	69	98993	47.669	ug/l	97
57) 1,3-Dichloropropane	10.95	76	131735	46.952	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	202472	226.826	ug/l	98
59) 2-Hexanone	10.98	43	210443	230.061	ug/l	98
60) Dibromochloromethane	11.14	129	100358	47.007	ug/l	96
61) 1,2-Dibromoethane	11.25	107	75938	47.766	ug/l	99
64) Tetrachloroethene	10.88	164	98999	45.377	ug/l	98
65) Chlorobenzene	11.67	112	297722	46.388	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	112544	47.589	ug/l	95
67) Ethyl Benzene	11.74	91	528089	45.631	ug/l	97
68) m/p-Xylenes	11.86	106	423359	94.776	ug/l	99
69) o-Xylene	12.18	106	198713	46.458	ug/l	97
70) Styrene	12.20	104	349468	48.264	ug/l	98
71) Bromoform	12.36	173	62456	49.210	ug/l #	98
73) Isopropylbenzene	12.48	105	528890	45.421	ug/l	98
74) N-amyl acetate	12.29	43	108525	43.289	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	90193	44.513	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	69920m	60.270	ug/l	
77) Bromobenzene	12.76	156	132739	45.756	ug/l	98
78) n-propylbenzene	12.82	91	616459	45.104	ug/l	100
79) 2-Chlorotoluene	12.91	91	343362	45.561	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	446359	45.948	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	27649	42.175	ug/l	94
82) 4-Chlorotoluene	13.01	91	352665	44.113	ug/l	98
83) tert-Butylbenzene	13.23	119	388682	44.958	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	456474	45.580	ug/l	98
85) sec-Butylbenzene	13.40	105	527714	45.198	ug/l	100
86) p-Isopropyltoluene	13.51	119	501695	45.410	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	263815	46.024	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	261272	46.202	ug/l	98
89) n-Butylbenzene	13.84	91	477355	46.418	ug/l	98
90) Hexachloroethane	14.11	117	89523	45.053	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	232251	47.016	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13342	41.986	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	175177	45.959	ug/l	97
94) Hexachlorobutadiene	15.27	225	97476	46.343	ug/l	98
95) Naphthalene	15.40	128	306598	47.858	ug/l	99
96) 1,2,3-Trichlorobenzene	15.59	180	150050	45.627	ug/l	99

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

