

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080919\
 Data File : VD063472.D
 Acq On : 9 Aug 2019 14:29
 Operator : JC/SY
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Aug 10 06:23:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:19:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	1097668	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1544218	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1290181	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	682588	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	222203	18.91	ug/l	0.00
Spiked Amount			Recovery	=	37.82%	
35) Dibromofluoromethane	6.94	113	256886	19.75	ug/l	0.00
Spiked Amount			Recovery	=	39.50%	
50) Toluene-d8	10.42	98	524296	18.34	ug/l	0.00
Spiked Amount			Recovery	=	36.68%	
62) 4-Bromofluorobenzene	13.56	95	250535	19.33	ug/l	0.00
Spiked Amount			Recovery	=	38.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	308956	23.228	ug/l	98
3) Chloromethane	1.75	50	229151	22.050	ug/l	100
4) Vinyl Chloride	1.85	62	225421	21.853	ug/l	99
5) Bromomethane	2.15	94	96725	19.977	ug/l	98
6) Chloroethane	2.26	64	99634	21.120	ug/l	99
7) Trichlorofluoromethane	2.53	101	439656	21.728	ug/l	98
8) Diethyl Ether	2.88	74	64410	22.545	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.15	101	259931	21.755	ug/l	97
10) Methyl Iodide	3.31	142	353438	20.910	ug/l	98
11) Tert butyl alcohol	4.09	59	54964	107.448	ug/l #	93
12) 1,1-Dichloroethene	3.13	96	189814	21.383	ug/l	97
13) Acrolein	3.04	56	56927	113.046	ug/l	94
14) Allyl chloride	3.62	41	284337	21.321	ug/l	97
15) Acrylonitrile	4.21	53	143968	106.256	ug/l	87
16) Acetone	3.24	43	231640	96.396	ug/l	98
17) Carbon Disulfide	3.38	76	611825	21.830	ug/l	98
18) Methyl Acetate	3.65	43	99558	22.001	ug/l	95
19) Methyl tert-butyl Ether	4.25	73	379571	21.367	ug/l	95
20) Methylene Chloride	3.83	84	208087	20.142	ug/l	94
21) trans-1,2-Dichloroethene	4.22	96	197668	21.147	ug/l	93
22) Diisopropyl ether	5.14	45	574362	20.855	ug/l	95
23) Vinyl Acetate	5.07	43	1754356	109.658	ug/l	100
24) 1,1-Dichloroethane	4.99	63	372410	21.790	ug/l	98
25) 2-Butanone	6.09	43	246916	104.672	ug/l	92
26) 2,2-Dichloropropane	6.03	77	378654	22.244	ug/l	97
27) cis-1,2-Dichloroethene	6.05	96	223096	21.814	ug/l	90
28) Bromochloromethane	6.45	49	142324	20.547	ug/l	95
29) Tetrahydrofuran	6.48	42	113990	103.691	ug/l	95
30) Chloroform	6.67	83	468528	22.054	ug/l	95
31) Cyclohexane	6.97	56	223824	21.095	ug/l	91
32) 1,1,1-Trichloroethane	6.88	97	445867	21.941	ug/l	96
36) 1,1-Dichloropropene	7.16	75	287966	21.095	ug/l	97
37) Ethyl Acetate	6.19	43	118281	20.728	ug/l #	95
38) Carbon Tetrachloride	7.13	117	421640	20.494	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	236026	20.333	ug/l	95
40) Benzene	7.46	78	655555	21.822	ug/l	91
41) Methacrylonitrile	6.46	41	161527	22.427	ug/l #	91
42) 1,2-Dichloroethane	7.59	62	337852	22.366	ug/l	99
43) Isopropyl Acetate	9.25	43	169530	22.128	ug/l #	94
44) Trichloroethene	8.55	130	251789	21.922	ug/l	88
45) 1,2-Dichloropropane	8.95	63	150971	21.580	ug/l	97
46) Dibromomethane	9.07	93	126941	21.247	ug/l	93
47) Bromodichloromethane	9.39	83	335166	21.871	ug/l	96
48) Methyl methacrylate	9.13	41	111693	21.497	ug/l	93
49) 1,4-Dioxane	9.10	88	18411	416.426	ug/l	96
51) 4-Methyl-2-Pentanone	10.32	43	576997	110.063	ug/l	94
52) Toluene	10.52	92	413141	21.351	ug/l	95
53) t-1,3-Dichloropropene	10.93	75	268404	21.461	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	295805	20.976	ug/l	95
55) 1,1,2-Trichloroethane	11.20	97	145856	22.315	ug/l	97
56) Ethyl methacrylate	11.05	69	152430	21.486	ug/l	90
57) 1,3-Dichloropropane	11.42	76	209043	21.158	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.87	63	380852	101.686	ug/l	97
59) 2-Hexanone	11.55	43	420765	110.306	ug/l	95
60) Dibromochloromethane	11.69	129	259948	21.856	ug/l	98
61) 1,2-Dibromoethane	11.81	107	173674	21.949	ug/l	96
64) Tetrachloroethene	11.27	164	225700	22.661	ug/l	95
65) Chlorobenzene	12.40	112	516758	21.370	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	237931	22.358	ug/l	96
67) Ethyl Benzene	12.53	91	903999	21.501	ug/l	100
68) m/p-Xylenes	12.68	106	682760	46.221	ug/l	94
69) o-Xylene	13.05	106	337601	23.746	ug/l	99
70) Styrene	13.08	104	594215	23.497	ug/l	94
71) Bromoform	13.24	173	157093	21.528	ug/l #	97
73) Isopropylbenzene	13.41	105	940497	21.662	ug/l	99
74) N-amyl acetate	13.27	43	228684	20.982	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	154156	21.392	ug/l	96
76) 1,2,3-Trichloropropane	13.74	75	166808	21.293	ug/l	99
77) Bromobenzene	13.67	156	256338	21.603	ug/l	95
78) n-propylbenzene	13.78	91	1105785	21.768	ug/l	97
79) 2-Chlorotoluene	13.85	91	608269	20.770	ug/l	93
80) 1,3,5-Trimethylbenzene	13.94	105	797476	21.022	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	46220	21.952	ug/l	89
82) 4-Chlorotoluene	13.95	91	738171	20.959	ug/l	97
83) tert-Butylbenzene	14.19	119	859754	21.523	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	770731	21.958	ug/l	96
85) sec-Butylbenzene	14.37	105	828358	19.526	ug/l	100
86) p-Isopropyltoluene	14.50	119	856202	21.109	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	448412	20.892	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	480784	23.348	ug/l	97
89) n-Butylbenzene	14.80	91	780857	21.093	ug/l	97
90) Hexachloroethane	15.01	117	211351	20.731	ug/l	91
91) 1,2-Dichlorobenzene	14.81	146	379926	20.864	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	27647	20.375	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	257840	19.243	ug/l	95
94) Hexachlorobutadiene	16.04	225	212330	20.792	ug/l	99
95) Naphthalene	16.13	128	429565	21.154	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	228190	21.085	ug/l	97

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

