

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052019\
 Data File : VD062456.D
 Acq On : 20 May 2019 15:17
 Operator : FY/SY
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: May 20 16:07:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 20 16:04:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	653164	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	917618	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	730455	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	419970	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	145751	24.01	ug/l	0.00
Spiked Amount			Recovery	=	48.02%	
35) Dibromofluoromethane	6.94	113	163722	21.50	ug/l	0.00
Spiked Amount			Recovery	=	43.00%	
50) Toluene-d8	10.43	98	379833	20.69	ug/l	0.00
Spiked Amount			Recovery	=	41.38%	
62) 4-Bromofluorobenzene	13.57	95	164031	22.25	ug/l	0.00
Spiked Amount			Recovery	=	44.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	167250	26.773	ug/l	96
3) Chloromethane	1.75	50	104611	23.175	ug/l	99
4) Vinyl Chloride	1.85	62	109420	24.665	ug/l	94
5) Bromomethane	2.15	94	41018	39.461	ug/l	97
6) Chloroethane	2.26	64	48453	26.029	ug/l	97
7) Trichlorofluoromethane	2.53	101	244484	28.347	ug/l	90
8) Diethyl Ether	2.88	74	29676	17.841	ug/l	51
9) 1,1,2-Trichlorotrifluoroet	3.15	101	142800	21.888	ug/l	95
10) Methyl Iodide	3.31	142	194848	19.761	ug/l #	80
11) Tert butyl alcohol	4.12	59	33453	107.970	ug/l	97
12) 1,1-Dichloroethene	3.13	96	103538	20.790	ug/l	82
13) Acrolein	3.05	56	29115	90.852	ug/l	87
14) Allyl chloride	3.63	41	148846	20.555	ug/l #	73
15) Acrylonitrile	4.21	53	75866	93.157	ug/l #	87
16) Acetone	3.23	43	118859	93.374	ug/l #	83
17) Carbon Disulfide	3.38	76	317484	22.160	ug/l	100
18) Methyl Acetate	3.66	43	45673	18.293	ug/l	92
19) Methyl tert-butyl Ether	4.26	73	238139	22.308	ug/l #	88
20) Methylene Chloride	3.82	84	132533	24.936	ug/l	93
21) trans-1,2-Dichloroethene	4.23	96	121591	21.940	ug/l	91
22) Diisopropyl ether	5.14	45	321332	20.853	ug/l	96
23) Vinyl Acetate	5.07	43	939961	115.615	ug/l	96
24) 1,1-Dichloroethane	4.99	63	209873	22.577	ug/l	98
25) 2-Butanone	6.09	43	128309	92.411	ug/l	98
26) 2,2-Dichloropropane	6.04	77	228442	24.670	ug/l	94
27) cis-1,2-Dichloroethene	6.06	96	128046	20.642	ug/l	93
28) Bromochloromethane	6.45	49	71207	19.470	ug/l	84
29) Tetrahydrofuran	6.48	42	63564	99.358	ug/l	96
30) Chloroform	6.68	83	263391	23.510	ug/l	100
31) Cyclohexane	6.97	56	134284	21.085	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	260319	24.584	ug/l	100
36) 1,1-Dichloropropene	7.16	75	195123	25.935	ug/l	90
37) Ethyl Acetate	6.20	43	65598	20.559	ug/l	95
38) Carbon Tetrachloride	7.13	117	287537	27.612	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	156265	21.678	ug/l	99
40) Benzene	7.47	78	352789	20.766	ug/l	98
41) Methacrylonitrile	6.47	41	81138	20.809	ug/l #	81
42) 1,2-Dichloroethane	7.59	62	187600	26.063	ug/l	93
43) Isopropyl Acetate	9.25	43	88367	19.528	ug/l #	86
44) Trichloroethene	8.56	130	140453	21.696	ug/l	91
45) 1,2-Dichloropropane	8.95	63	82915	19.731	ug/l	97
46) Dibromomethane	9.08	93	74759	21.877	ug/l	88
47) Bromodichloromethane	9.39	83	192064	22.978	ug/l	97
48) Methyl methacrylate	9.14	41	59700	21.419	ug/l #	80
49) 1,4-Dioxane	9.10	88	11073	368.203	ug/l #	89
51) 4-Methyl-2-Pentanone	10.32	43	304155	104.566	ug/l	95
52) Toluene	10.52	92	254372	23.012	ug/l	95
53) t-1,3-Dichloropropene	10.93	75	174233	24.118	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	164772	20.907	ug/l #	88
55) 1,1,2-Trichloroethane	11.20	97	82723	21.151	ug/l	97
56) Ethyl methacrylate	11.06	69	87129	21.438	ug/l #	76
57) 1,3-Dichloropropane	11.42	76	121000	20.478	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.86	63	232152	104.572	ug/l	99
59) 2-Hexanone	11.54	43	208823	97.405	ug/l	88
60) Dibromochloromethane	11.70	129	154308	22.829	ug/l	99
61) 1,2-Dibromoethane	11.82	107	96004	20.190	ug/l	92
64) Tetrachloroethene	11.27	164	130518	22.850	ug/l	94
65) Chlorobenzene	12.40	112	311163	22.871	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	140639	23.752	ug/l	94
67) Ethyl Benzene	12.53	91	544362	23.900	ug/l	97
68) m/p-Xylenes	12.68	106	366011	44.168	ug/l	87
69) o-Xylene	13.05	106	182123	23.640	ug/l	90
70) Styrene	13.08	104	298877	22.901	ug/l	98
71) Bromoform	13.24	173	91213	22.142	ug/l	96
73) Isopropylbenzene	13.41	105	557132	22.131	ug/l	95
74) N-amyl acetate	13.27	43	127711	19.350	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	13.70	83	92752	19.462	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	98533	19.742	ug/l	96
77) Bromobenzene	13.67	156	158672	22.516	ug/l	86
78) n-propylbenzene	13.78	91	643463	21.427	ug/l	95
79) 2-Chlorotoluene	13.85	91	365577	21.256	ug/l	93
80) 1,3,5-Trimethylbenzene	13.94	105	464220	21.898	ug/l	88
81) trans-1,4-Dichloro-2-buten	13.48	75	26297	18.664	ug/l #	52
82) 4-Chlorotoluene	13.95	91	425147	21.007	ug/l	81
83) tert-Butylbenzene	14.19	119	520105	21.828	ug/l	90
84) 1,2,4-Trimethylbenzene	14.24	105	477480	22.445	ug/l	89
85) sec-Butylbenzene	14.37	105	550121	21.058	ug/l	97
86) p-Isopropyltoluene	14.50	119	501748	21.497	ug/l	93
87) 1,3-Dichlorobenzene	14.46	146	273859	21.273	ug/l	100
88) 1,4-Dichlorobenzene	14.54	146	261184	20.648	ug/l	98
89) n-Butylbenzene	14.81	91	493517	23.557	ug/l	92
90) Hexachloroethane	15.01	117	126448	19.921	ug/l	97
91) 1,2-Dichlorobenzene	14.81	146	233912	22.063	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	17925	22.913	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	183434	23.770	ug/l	98
94) Hexachlorobutadiene	16.05	225	127851	22.275	ug/l	99
95) Naphthalene	16.13	128	215179	19.973	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	147259	30.351	ug/l	96

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

