

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052419\
 Data File : VD062526.D
 Acq On : 24 May 2019 11:39
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: May 24 22:25:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	386156	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	508418	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	437826	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	259233	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	248103	60.02	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	120.04%	
35) Dibromofluoromethane	6.92	113	243997	53.20	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	106.40%	
50) Toluene-d8	10.41	98	537211	53.52	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.04%	
62) 4-Bromofluorobenzene	13.56	95	245388	55.89	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	111.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	201161	56.330	ug/l	98
3) Chloromethane	1.74	50	140021	52.342	ug/l	99
4) Vinyl Chloride	1.85	62	154124	54.751	ug/l	97
5) Bromomethane	2.14	94	80415	66.202	ug/l	100
6) Chloroethane	2.26	64	85726	62.953	ug/l	91
7) Trichlorofluoromethane	2.52	101	376506	57.887	ug/l	96
8) Diethyl Ether	2.87	74	46667	53.189	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.14	101	190578	49.252	ug/l	94
10) Methyl Iodide	3.30	142	287512	53.288	ug/l #	75
11) Tert butyl alcohol	4.08	59	46884	245.726	ug/l #	93
12) 1,1-Dichloroethene	3.11	96	141525	49.488	ug/l #	75
13) Acrolein	3.03	56	41866	264.226	ug/l	91
14) Allyl chloride	3.62	41	202909	48.121	ug/l #	71
15) Acrylonitrile	4.19	53	99887	228.468	ug/l #	84
16) Acetone	3.21	43	199742	269.658	ug/l #	80
17) Carbon Disulfide	3.37	76	392681	45.339	ug/l	97
18) Methyl Acetate	3.64	43	59230	46.339	ug/l	96
19) Methyl tert-butyl Ether	4.23	73	352475	53.363	ug/l #	91
20) Methylene Chloride	3.80	84	150050	47.117	ug/l	89
21) trans-1,2-Dichloroethene	4.21	96	163408	48.810	ug/l #	83
22) Diisopropyl ether	5.12	45	437280	48.721	ug/l	92
23) Vinyl Acetate	5.05	43	1368194	252.280	ug/l	96
24) 1,1-Dichloroethane	4.98	63	280320	48.495	ug/l	97
25) 2-Butanone	6.07	43	186863	241.199	ug/l	95
26) 2,2-Dichloropropane	6.02	77	360677	57.884	ug/l	87
27) cis-1,2-Dichloroethene	6.03	96	172884	47.890	ug/l	81
28) Bromochloromethane	6.43	49	100151	48.274	ug/l	94
29) Tetrahydrofuran	6.45	42	83669	226.132	ug/l	97
30) Chloroform	6.66	83	383576	52.050	ug/l	97
31) Cyclohexane	6.95	56	171345	43.902	ug/l	94
32) 1,1,1-Trichloroethane	6.86	97	395981	53.223	ug/l	96
36) 1,1-Dichloropropene	7.14	75	262898	54.085	ug/l	93
37) Ethyl Acetate	6.18	43	109639	58.061	ug/l #	94
38) Carbon Tetrachloride	7.11	117	426232m	59.000	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	221299	55.198	ug/l	95
40) Benzene	7.45	78	482425	50.597	ug/l	99
41) Methacrylonitrile	6.44	41	119219	50.269	ug/l #	84
42) 1,2-Dichloroethane	7.57	62	289562	57.352	ug/l	90
43) Isopropyl Acetate	9.24	43	129898	51.854	ug/l #	87
44) Trichloroethene	8.54	130	208801	54.695	ug/l	94
45) 1,2-Dichloropropane	8.94	63	117639	50.629	ug/l	98
46) Dibromomethane	9.06	93	116502	55.313	ug/l	98
47) Bromodichloromethane	9.37	83	313058	58.428	ug/l	98
48) Methyl methacrylate	9.12	41	89228	52.929	ug/l #	71
49) 1,4-Dioxane	9.09	88	14391	951.717	ug/l #	62
51) 4-Methyl-2-Pentanone	10.30	43	437185	264.173	ug/l	92
52) Toluene	10.51	92	329859	50.536	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	263762	59.129	ug/l	97
54) cis-1,3-Dichloropropene	10.04	75	252250	54.193	ug/l #	83
55) 1,1,2-Trichloroethane	11.19	97	111648	50.469	ug/l	96
56) Ethyl methacrylate	11.05	69	121276	51.282	ug/l #	75
57) 1,3-Dichloropropane	11.41	76	174487	51.431	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	287343	236.622	ug/l	98
59) 2-Hexanone	11.53	43	337877	280.918	ug/l	87
60) Dibromochloromethane	11.69	129	250136	58.870	ug/l	97
61) 1,2-Dibromoethane	11.80	107	147304	54.032	ug/l	99
64) Tetrachloroethene	11.25	164	191321	52.189	ug/l	99
65) Chlorobenzene	12.39	112	407189	48.362	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	227233	58.467	ug/l	94
67) Ethyl Benzene	12.52	91	800560	55.203	ug/l	95
68) m/p-Xylenes	12.67	106	540428	103.814	ug/l	87
69) o-Xylene	13.05	106	230386	46.905	ug/l	82
70) Styrene	13.07	104	415908	49.775	ug/l #	90
71) Bromoform	13.23	173	154844	59.992	ug/l	98
73) Isopropylbenzene	13.41	105	820600	50.219	ug/l	99
74) N-amyl acetate	13.27	43	195582	48.462	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	127904	43.388	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	146699	48.044	ug/l	95
77) Bromobenzene	13.67	156	224752	48.486	ug/l	98
78) n-propylbenzene	13.77	91	947985	50.085	ug/l	96
79) 2-Chlorotoluene	13.84	91	525208	45.724	ug/l	94
80) 1,3,5-Trimethylbenzene	13.93	105	715182	50.549	ug/l	88
81) trans-1,4-Dichloro-2-buten	13.48	75	39476	45.841	ug/l #	64
82) 4-Chlorotoluene	13.95	91	665855	50.335	ug/l	87
83) tert-Butylbenzene	14.20	119	737842	47.015	ug/l	98
84) 1,2,4-Trimethylbenzene	14.23	105	655307	45.201	ug/l	90
85) sec-Butylbenzene	14.37	105	824633	50.392	ug/l	99
86) p-Isopropyltoluene	14.49	119	735524	49.598	ug/l	90
87) 1,3-Dichlorobenzene	14.46	146	390058	47.650	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	414021	52.413	ug/l	97
89) n-Butylbenzene	14.80	91	732519	51.182	ug/l	92
90) Hexachloroethane	15.01	117	202947	49.518	ug/l	76
91) 1,2-Dichlorobenzene	14.81	146	357747	51.396	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	26395	47.171	ug/l	60

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	249196	45.467	ug/l	98
94) Hexachlorobutadiene	16.04	225	211062	52.154	ug/l	97
95) Naphthalene	16.12	128	365009	48.740	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	201107	44.759	ug/l	97

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

