

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051519\
 Data File : VD062385.D
 Acq On : 15 May 2019 13:41
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: May 16 04:03:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	728113	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	996089	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	809626	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	426575	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	353597	52.26	ug/l	0.05
Spiked Amount			Recovery	=	104.52%	
35) Dibromofluoromethane	6.94	113	408014	49.37	ug/l	0.05
Spiked Amount			Recovery	=	98.74%	
50) Toluene-d8	10.43	98	900849	45.21	ug/l	0.03
Spiked Amount			Recovery	=	90.42%	
62) 4-Bromofluorobenzene	13.57	95	394357	49.28	ug/l	0.02
Spiked Amount			Recovery	=	98.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	323276	46.423	ug/l	100
3) Chloromethane	1.76	50	213115	42.353	ug/l	100
4) Vinyl Chloride	1.86	62	226148	45.731	ug/l	99
5) Bromomethane	2.16	94	82066	70.823	ug/l	98
6) Chloroethane	2.28	64	118734	57.219	ug/l	97
7) Trichlorofluoromethane	2.54	101	568366	59.117	ug/l	99
8) Diethyl Ether	2.89	74	68819	37.115	ug/l	64
9) 1,1,2-Trichlorotrifluoroet	3.16	101	352243	48.433	ug/l	95
10) Methyl Iodide	3.32	142	444649	40.452	ug/l #	83
11) Tert butyl alcohol	4.09	59	77848	225.391	ug/l	100
12) 1,1-Dichloroethene	3.14	96	257947	46.462	ug/l	86
13) Acrolein	3.06	56	81577	228.354	ug/l	99
14) Allyl chloride	3.64	41	379046	46.957	ug/l #	81
15) Acrylonitrile	4.22	53	206604	227.577	ug/l #	82
16) Acetone	3.23	43	411390	289.916	ug/l #	83
17) Carbon Disulfide	3.39	76	698273	43.722	ug/l	100
18) Methyl Acetate	3.66	43	110808	43.623	ug/l	97
19) Methyl tert-butyl Ether	4.26	73	609621	51.229	ug/l	98
20) Methylene Chloride	3.83	84	280549	47.351	ug/l	94
21) trans-1,2-Dichloroethene	4.24	96	297810	48.206	ug/l	85
22) Diisopropyl ether	5.14	45	867579	50.507	ug/l	93
23) Vinyl Acetate	5.08	43	2525250	278.632	ug/l	98
24) 1,1-Dichloroethane	5.00	63	521662	50.341	ug/l	98
25) 2-Butanone	6.09	43	411191	265.664	ug/l	96
26) 2,2-Dichloropropane	6.04	77	552653	53.540	ug/l	95
27) cis-1,2-Dichloroethene	6.06	96	327100	47.303	ug/l	89
28) Bromochloromethane	6.45	49	232257	56.968	ug/l #	79
29) Tetrahydrofuran	6.48	42	162292	227.569	ug/l	92
30) Chloroform	6.69	83	670086	53.655	ug/l	99
31) Cyclohexane	6.97	56	326365	45.971	ug/l	99
32) 1,1,1-Trichloroethane	6.89	97	660002	55.913	ug/l	99
36) 1,1-Dichloropropene	7.17	75	414233	50.720	ug/l	95
37) Ethyl Acetate	6.20	43	176741	51.029	ug/l #	88
38) Carbon Tetrachloride	7.13	117	653632m	57.824	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	353019	45.114	ug/l	94
40) Benzene	7.47	78	877680	47.591	ug/l	98
41) Methacrylonitrile	6.47	41	208410	49.240	ug/l #	81
42) 1,2-Dichloroethane	7.60	62	436203	55.826	ug/l	92
43) Isopropyl Acetate	9.26	43	224382	45.680	ug/l	91
44) Trichloroethene	8.56	130	343194	48.836	ug/l	80
45) 1,2-Dichloropropane	8.95	63	229588	50.330	ug/l	99
46) Dibromomethane	9.08	93	193819	52.250	ug/l	95
47) Bromodichloromethane	9.39	83	497810	54.864	ug/l	99
48) Methyl methacrylate	9.14	41	153367	50.690	ug/l #	86
49) 1,4-Dioxane	9.10	88	29703	909.883	ug/l #	91
51) 4-Methyl-2-Pentanone	10.32	43	765650	242.487	ug/l	91
52) Toluene	10.52	92	575565	47.967	ug/l	99
53) t-1,3-Dichloropropene	10.93	75	418271	53.337	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	418226	48.886	ug/l #	85
55) 1,1,2-Trichloroethane	11.20	97	212066	49.950	ug/l	97
56) Ethyl methacrylate	11.06	69	220832	50.055	ug/l #	85
57) 1,3-Dichloropropane	11.42	76	305546	47.637	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.88	63	701315	291.018	ug/l	99
59) 2-Hexanone	11.55	43	626839	269.354	ug/l	92
60) Dibromochloromethane	11.70	129	374148	50.993	ug/l	99
61) 1,2-Dibromoethane	11.82	107	250638	48.558	ug/l	93
64) Tetrachloroethene	11.27	164	307725	48.606	ug/l	95
65) Chlorobenzene	12.41	112	733804	48.662	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	339062	51.664	ug/l	95
67) Ethyl Benzene	12.53	91	1306774	51.763	ug/l	96
68) m/p-Xylenes	12.68	106	879516	95.757	ug/l	86
69) o-Xylene	13.05	106	434616	50.897	ug/l	84
70) Styrene	13.08	104	742833	51.353	ug/l	96
71) Bromoform	13.24	173	240736	52.724	ug/l	100
73) Isopropylbenzene	13.41	105	1240417	48.510	ug/l	93
74) N-amyl acetate	13.27	43	313663	46.788	ug/l	93
75) 1,1,2,2-Tetrachloroethane	13.70	83	239881	49.554	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	251215	49.554	ug/l	97
77) Bromobenzene	13.67	156	367213	51.301	ug/l	81
78) n-propylbenzene	13.78	91	1508818	49.466	ug/l	95
79) 2-Chlorotoluene	13.85	91	892040	51.063	ug/l	91
80) 1,3,5-Trimethylbenzene	13.94	105	1053952	48.948	ug/l	90
81) trans-1,4-Dichloro-2-buten	13.48	75	68531	47.885	ug/l #	57
82) 4-Chlorotoluene	13.96	91	1055118	51.326	ug/l	90
83) tert-Butylbenzene	14.20	119	1197290	49.471	ug/l	89
84) 1,2,4-Trimethylbenzene	14.24	105	1053527	48.757	ug/l	89
85) sec-Butylbenzene	14.37	105	1251908	47.179	ug/l	94
86) p-Isopropyltoluene	14.50	119	1102110	46.487	ug/l	93
87) 1,3-Dichlorobenzene	14.46	146	627063	47.955	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	585507	45.571	ug/l	99
89) n-Butylbenzene	14.81	91	1103911	51.877	ug/l	94
90) Hexachloroethane	15.01	117	316887	49.151	ug/l	95
91) 1,2-Dichlorobenzene	14.82	146	504820	46.878	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	40066	50.422	ug/l	75

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	369369	47.124	ug/l	97
94) Hexachlorobutadiene	16.05	225	313008	53.690	ug/l	100
95) Naphthalene	16.13	128	543464	49.662	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	264474	53.665	ug/l	95

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

