

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051719\
 Data File : VD062432.D
 Acq On : 17 May 2019 11:28
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/22/2019 9:32:52 AM

Quant Time: May 18 01:15:25 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	7.05	168	690169	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.23	114	951596	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	732213	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	385174	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	292217	45.56	ug/l	0.04
Spiked Amount 50.000			Recovery	=	91.12%	
35) Dibromofluoromethane	6.93	113	358939	45.46	ug/l	0.04
Spiked Amount 50.000			Recovery	=	90.92%	
50) Toluene-d8	10.42	98	737161	38.72	ug/l	0.02
Spiked Amount 50.000			Recovery	=	77.44%	
62) 4-Bromofluorobenzene	13.56	95	339763	44.45	ug/l	0.01
Spiked Amount 50.000			Recovery	=	88.90%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.58	85	313029	47.422	ug/l	100
3) Chloromethane	1.75	50	186914	39.188	ug/l	100
4) Vinyl Chloride	1.86	62	222917	47.556	ug/l	98
5) Bromomethane	2.15	94	81895	74.561	ug/l	95
6) Chloroethane	2.26	64	110394	56.125	ug/l	92
7) Trichlorofluoromethane	2.54	101	557803	61.208	ug/l	98
8) Diethyl Ether	2.88	74	68690	39.082	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	3.16	101	345196	50.073	ug/l	96
10) Methyl Iodide	3.31	142	453987	43.573	ug/l	89
11) Tert butyl alcohol	4.08	59	86706	264.839	ug/l	96
12) 1,1-Dichloroethene	3.13	96	258785	49.176	ug/l	89
13) Acrolein	3.04	56	71379	210.792	ug/l	97
14) Allyl chloride	3.63	41	371415	48.541	ug/l #	78
15) Acrylonitrile	4.20	53	212925	247.434	ug/l	94
16) Acetone	3.22	43	380986	283.251	ug/l #	82
17) Carbon Disulfide	3.38	76	617520	40.792	ug/l	100
18) Methyl Acetate	3.65	43	121709	50.598	ug/l	97
19) Methyl tert-butyl Ether	4.24	73	589628	52.273	ug/l	96
20) Methylene Chloride	3.83	84	259130	46.141	ug/l	97
21) trans-1,2-Dichloroethene	4.23	96	294725	50.330	ug/l	89
22) Diisopropyl ether	5.13	45	845752	51.943	ug/l	94
23) Vinyl Acetate	5.07	43	2393725	278.641	ug/l	97
24) 1,1-Dichloroethane	5.00	63	492205	50.110	ug/l	96
25) 2-Butanone	6.08	43	412524	281.179	ug/l	97
26) 2,2-Dichloropropane	6.03	77	588527	60.150	ug/l	93
27) cis-1,2-Dichloroethene	6.05	96	332825	50.777	ug/l	95
28) Bromochloromethane	6.45	49	236026	61.075	ug/l	91
29) Tetrahydrofuran	6.47	42	171505	253.709	ug/l	96
30) Chloroform	6.68	83	648607	54.791	ug/l	97
31) Cyclohexane	6.96	56	328185	48.769	ug/l	96
32) 1,1,1-Trichloroethane	6.89	97	639059	57.115	ug/l	100
36) 1,1-Dichloropropene	7.16	75	430765	55.211	ug/l	95
37) Ethyl Acetate	6.19	43	168203	50.835	ug/l #	90
38) Carbon Tetrachloride	7.12	117	663997m	61.487	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	373093	49.909	ug/l	94
40) Benzene	7.47	78	839638	47.657	ug/l	99
41) Methacrylonitrile	6.45	41	226400	55.991	ug/l #	88
42) 1,2-Dichloroethane	7.59	62	438231	58.708	ug/l	93
43) Isopropyl Acetate	9.25	43	244281	52.056	ug/l	90
44) Trichloroethene	8.55	130	373410	55.620	ug/l	91
45) 1,2-Dichloropropane	8.95	63	216221	49.616	ug/l	98
46) Dibromomethane	9.07	93	189432	53.455	ug/l	94
47) Bromodichloromethane	9.39	83	492281	56.792	ug/l	98
48) Methyl methacrylate	9.13	41	159328	55.122	ug/l #	85
49) 1,4-Dioxane	9.10	88	33579	1076.709	ug/l	91
51) 4-Methyl-2-Pentanone	10.31	43	816719	270.755	ug/l	92
52) Toluene	10.52	92	535308	46.698	ug/l	96
53) t-1,3-Dichloropropene	10.92	75	436856	58.312	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	467153	57.159	ug/l #	86
55) 1,1,2-Trichloroethane	11.21	97	216422	53.359	ug/l	95
56) Ethyl methacrylate	11.05	69	230468	54.682	ug/l #	81
57) 1,3-Dichloropropane	11.42	76	314342	51.300	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.87	63	621985	270.167	ug/l	100
59) 2-Hexanone	11.54	43	632074	284.303	ug/l	91
60) Dibromochloromethane	11.70	129	392223	55.956	ug/l	98
61) 1,2-Dibromoethane	11.82	107	258680	52.459	ug/l	99
64) Tetrachloroethene	11.26	164	301704	52.694	ug/l	96
65) Chlorobenzene	12.41	112	677725	49.695	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	339773	57.246	ug/l	93
67) Ethyl Benzene	12.53	91	1207716	52.897	ug/l	95
68) m/p-Xylenes	12.68	106	899382	108.273	ug/l	90
69) o-Xylene	13.06	106	424682	54.992	ug/l	86
70) Styrene	13.08	104	682591	52.177	ug/l #	92
71) Bromoform	13.24	173	245286	59.400	ug/l #	96
73) Isopropylbenzene	13.41	105	1315604	56.981	ug/l	97
74) N-amyl acetate	13.27	43	321834	53.166	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.71	83	224147	51.281	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	248915	54.378	ug/l	98
77) Bromobenzene	13.68	156	337516	52.220	ug/l	90
78) n-propylbenzene	13.78	91	1560431	56.656	ug/l	97
79) 2-Chlorotoluene	13.84	91	899861	57.048	ug/l	87
80) 1,3,5-Trimethylbenzene	13.94	105	1082503	55.677	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.48	75	71859	55.608	ug/l #	77
82) 4-Chlorotoluene	13.95	91	1018750	54.884	ug/l	84
83) tert-Butylbenzene	14.20	119	1276879	58.430	ug/l	95
84) 1,2,4-Trimethylbenzene	14.25	105	1070876	54.887	ug/l	92
85) sec-Butylbenzene	14.37	105	1236840	51.621	ug/l	98
86) p-Isopropyltoluene	14.49	119	1259159	58.821	ug/l	90
87) 1,3-Dichlorobenzene	14.46	146	603617	51.124	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	611320	52.695	ug/l	99
89) n-Butylbenzene	14.81	91	1189273	61.896	ug/l	96
90) Hexachloroethane	15.01	117	326057	56.009	ug/l	87
91) 1,2-Dichlorobenzene	14.82	146	567799	58.393	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	39575	55.157	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	443735	62.696	ug/l	96
94) Hexachlorobutadiene	16.05	225	327832	62.278	ug/l	99
95) Naphthalene	16.13	128	632682	64.030	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	337721	75.893	ug/l	99

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

