

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041519\
 Data File : VD061799.D
 Acq On : 15 Apr 2019 14:09
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 3:12:51 PM

Quant Time: Apr 16 08:46:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:14:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.09	168	647123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.26	114	1049563	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.40	117	845758	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	381477	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.50	65	250691	45.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.94%	
35) Dibromofluoromethane	6.97	113	363450	45.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.68%	
50) Toluene-d8	10.45	98	870937	46.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.72%	
62) 4-Bromofluorobenzene	13.58	95	336309	44.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.32%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.60	85	316728	49.880	ug/l	100
3) Chloromethane	1.78	50	234784	46.400	ug/l	100
4) Vinyl Chloride	1.87	62	260355	51.837	ug/l	100
5) Bromomethane	2.18	94	63378	49.245	ug/l	100
6) Chloroethane	2.30	64	101327	59.133	ug/l	100
7) Trichlorofluoromethane	2.56	101	404193	49.722	ug/l	100
8) Diethyl Ether	2.91	74	109077	51.095	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.19	101	345872	47.654	ug/l	100
10) Methyl Iodide	3.34	142	577936	59.050	ug/l	100
11) Tert butyl alcohol	4.10	59	80415	250.144	ug/l	100
12) 1,1-Dichloroethene	3.16	96	295551	48.410	ug/l	100
13) Acrolein	3.07	56	67081	215.386	ug/l	100
14) Allyl chloride	3.67	41	419674	50.422	ug/l	100
15) Acrylonitrile	4.24	53	248607	246.326	ug/l	100
16) Acetone	3.25	43	347661	258.724	ug/l	100
17) Carbon Disulfide	3.41	76	991522	50.251	ug/l	100
18) Methyl Acetate	3.68	43	126053	46.777	ug/l	100
19) Methyl tert-butyl Ether	4.28	73	564119	49.632	ug/l	100
20) Methylene Chloride	3.85	84	329133	40.590	ug/l	100
21) trans-1,2-Dichloroethene	4.27	96	334975	49.959	ug/l	100
22) Diisopropyl ether	5.17	45	902994	50.841	ug/l	100
23) Vinyl Acetate	5.11	43	2393204	252.451	ug/l	100
24) 1,1-Dichloroethane	5.04	63	524887	48.691	ug/l	100
25) 2-Butanone	6.12	43	371486	242.793	ug/l	100
26) 2,2-Dichloropropane	6.08	77	450520	48.301	ug/l	100
27) cis-1,2-Dichloroethene	6.09	96	353628	48.594	ug/l	100
28) Bromochloromethane	6.49	49	195926	47.800	ug/l	100
29) Tetrahydrofuran	6.50	42	185642	249.067	ug/l	100
30) Chloroform	6.72	83	612319	50.885	ug/l	100
31) Cyclohexane	7.00	56	429389	51.992	ug/l	100
32) 1,1,1-Trichloroethane	6.92	97	534329	50.093	ug/l	100
36) 1,1-Dichloropropene	7.19	75	423031	49.314	ug/l	100
37) Ethyl Acetate	6.23	43	180196	49.090	ug/l	100
38) Carbon Tetrachloride	7.16	117	530465m	47.508	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.90	83	439147	49.307	ug/l	100
40) Benzene	7.50	78	1063033	51.620	ug/l	100
41) Methacrylonitrile	6.49	41	210133	48.433	ug/l	100
42) 1,2-Dichloroethane	7.62	62	343357	47.880	ug/l	100
43) Isopropyl Acetate	9.28	43	264769	51.256	ug/l	100
44) Trichloroethene	8.59	130	401345	50.633	ug/l	100
45) 1,2-Dichloropropane	8.98	63	262022	48.854	ug/l	100
46) Dibromomethane	9.10	93	193414	50.611	ug/l	100
47) Bromodichloromethane	9.42	83	459969	52.171	ug/l	100
48) Methyl methacrylate	9.16	41	157422	51.845	ug/l	100
49) 1,4-Dioxane	9.12	88	35097	1057.515	ug/l	100
51) 4-Methyl-2-Pentanone	10.34	43	784740	248.419	ug/l	100
52) Toluene	10.55	92	634046	48.052	ug/l	100
53) t-1,3-Dichloropropene	10.95	75	411331	51.777	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	478347	51.296	ug/l	100
55) 1,1,2-Trichloroethane	11.23	97	217957	49.021	ug/l	100
56) Ethyl methacrylate	11.08	69	226176	46.348	ug/l	100
57) 1,3-Dichloropropane	11.44	76	319292	47.767	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.90	63	491465	211.738	ug/l	100
59) 2-Hexanone	11.56	43	568810	242.437	ug/l	100
60) Dibromochloromethane	11.72	129	385563	52.997	ug/l	100
61) 1,2-Dibromoethane	11.84	107	273962	50.111	ug/l	100
64) Tetrachloroethene	11.30	164	314165	49.531	ug/l	100
65) Chlorobenzene	12.43	112	771689	48.993	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.54	131	321563	48.717	ug/l	100
67) Ethyl Benzene	12.56	91	1178017	46.702	ug/l	100
68) m/p-Xylenes	12.69	106	966873	102.046	ug/l	100
69) o-Xylene	13.08	106	405010	45.478	ug/l	100
70) Styrene	13.10	104	724917	47.302	ug/l	100
71) Bromoform	13.25	173	198140	50.571	ug/l	100
73) Isopropylbenzene	13.42	105	1198829	48.457	ug/l	100
74) N-amyl acetate	13.28	43	318826	47.924	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.72	83	261869	53.549	ug/l	100
76) 1,2,3-Trichloropropane	13.76	75	264922	52.881	ug/l	100
77) Bromobenzene	13.70	156	362414	51.569	ug/l	100
78) n-propylbenzene	13.80	91	1512606	52.919	ug/l	100
79) 2-Chlorotoluene	13.86	91	836470	50.392	ug/l	100
80) 1,3,5-Trimethylbenzene	13.95	105	916101	46.668	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.50	75	76340	53.492	ug/l	100
82) 4-Chlorotoluene	13.97	91	906906	47.451	ug/l	100
83) tert-Butylbenzene	14.21	119	1215699	52.743	ug/l	100
84) 1,2,4-Trimethylbenzene	14.26	105	1054012	53.416	ug/l	100
85) sec-Butylbenzene	14.39	105	1204437	50.547	ug/l	100
86) p-Isopropyltoluene	14.51	119	1132066	50.778	ug/l	100
87) 1,3-Dichlorobenzene	14.48	146	633976	51.674	ug/l	100
88) 1,4-Dichlorobenzene	14.55	146	626826	51.685	ug/l	100
89) n-Butylbenzene	14.82	91	993923	50.364	ug/l	100
90) Hexachloroethane	15.03	117	330687	54.420	ug/l	100
91) 1,2-Dichlorobenzene	14.83	146	517150	50.322	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.40	75	36397	53.751	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	278687	49.374	ug/l	100
94) Hexachlorobutadiene	16.06	225	211904	51.805	ug/l	100
95) Naphthalene	16.14	128	483533	55.891	ug/l	100
96) 1,2,3-Trichlorobenzene	16.29	180	169155	52.589	ug/l	100

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

