

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091318\
 Data File : VD059996.D
 Acq On : 13 Sep 2018 13:42
 Operator : JC/SY
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 9/14/2018 10:56:58 AM

Quant Time: Sep 13 15:45:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 15:36:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1537988	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2102786	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1707002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	925295	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.76	65	599152	47.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.14%	
35) Dibromofluoromethane	6.30	113	824016	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
50) Toluene-d8	9.44	98	2236601	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
62) 4-Bromofluorobenzene	12.41	95	877558	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.57	85	863912m	59.98	ug/l	100
3) Chloromethane	1.73	50	665324	52.19	ug/l	100
4) Vinyl Chloride	1.83	62	566565	56.39	ug/l	100
5) Bromomethane	2.12	94	94398	53.71	ug/l	100
6) Chloroethane	2.23	64	175345	56.78	ug/l	100
7) Trichlorofluoromethane	2.48	101	695875	59.30	ug/l	100
8) Diethyl Ether	2.80	74	143806	55.64	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.05	101	421550	58.47	ug/l	100
10) Methyl Iodide	3.21	142	487050	73.06	ug/l	100
11) Tert butyl alcohol	3.94	59	248975	255.24	ug/l	100
12) 1,1-Dichloroethene	3.04	96	331653	59.12	ug/l	100
13) Acrolein	2.95	56	139217	314.87	ug/l	100
14) Allyl chloride	3.51	41	714843	57.24	ug/l	100
15) Acrylonitrile	4.06	53	959062	260.07	ug/l	100
16) Acetone	3.13	43	588183	252.45	ug/l	100
17) Carbon Disulfide	3.28	76	1161131	65.43	ug/l	100
18) Methyl Acetate	3.53	43	241858	49.46	ug/l	100
19) Methyl tert-butyl Ether	4.10	73	1545479	51.10	ug/l	100
20) Methylene Chloride	3.68	84	931802	49.02	ug/l	100
21) trans-1,2-Dichloroethene	4.07	96	895474	58.47	ug/l	100
22) Diisopropyl ether	4.82	45	3295009	52.81	ug/l	100
23) Vinyl Acetate	4.78	43	9352208	268.41	ug/l	100
24) 1,1-Dichloroethane	4.73	63	1470046	54.08	ug/l	100
25) 2-Butanone	5.59	43	1557961	231.56	ug/l	100
26) 2,2-Dichloropropane	5.55	77	1117455	49.50	ug/l	100
27) cis-1,2-Dichloroethene	5.56	96	934339	56.36	ug/l	100
28) Bromochloromethane	5.90	49	645214	50.50	ug/l	100
29) Tetrahydrofuran	5.93	42	879642	264.54	ug/l	100
30) Chloroform	6.07	83	1498215	54.14	ug/l	100
31) Cyclohexane	6.34	56	1392666	54.87	ug/l	100
32) 1,1,1-Trichloroethane	6.26	97	1247853	53.27	ug/l	100
36) 1,1-Dichloropropene	6.50	75	1095875	56.17	ug/l	100
37) Ethyl Acetate	5.67	43	727549	49.29	ug/l	100
38) Carbon Tetrachloride	6.47	117	1044036	53.34	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.01	83	1262839	59.37	ug/l	100
40) Benzene	6.77	78	2882004	56.71	ug/l	100
41) Methacrylonitrile	5.91	41	412949m	55.10	ug/l	
42) 1,2-Dichloroethane	6.87	62	847395	53.08	ug/l	100
43) Isopropyl Acetate	8.33	43	1046290	54.12	ug/l	100
44) Trichloroethene	7.72	130	885227	58.77	ug/l	100
45) 1,2-Dichloropropane	8.08	63	772723	55.05	ug/l	100
46) Dibromomethane	8.19	93	505380	55.94	ug/l	100
47) Bromodichloromethane	8.47	83	1064870	52.52	ug/l	100
48) Methyl methacrylate	8.22	41	582725	51.79	ug/l	100
49) 1,4-Dioxane	8.21	88	115804	1136.05	ug/l	100
51) 4-Methyl-2-Pentanone	9.32	43	3117414	226.19	ug/l	100
52) Toluene	9.53	92	1830274	56.29	ug/l	100
53) t-1,3-Dichloropropene	9.90	75	984514	52.64	ug/l	100
54) cis-1,3-Dichloropropene	9.09	75	1199104	54.61	ug/l	100
55) 1,1,2-Trichloroethane	10.17	97	598841	51.09	ug/l	100
56) Ethyl methacrylate	10.01	69	714590	53.23	ug/l	100
57) 1,3-Dichloropropane	10.36	76	936579	55.13	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.91	63	1590438	247.29	ug/l	100
59) 2-Hexanone	10.47	43	2291927	225.50	ug/l	100
60) Dibromochloromethane	10.62	129	795316	54.08	ug/l	100
61) 1,2-Dibromoethane	10.75	107	643921	54.38	ug/l	100
64) Tetrachloroethene	10.24	164	811503	59.25	ug/l	100
65) Chlorobenzene	11.30	112	2004597	57.58	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.41	131	683503	54.47	ug/l	100
67) Ethyl Benzene	11.42	91	3223359	55.42	ug/l	100
68) m/p-Xylenes	11.56	106	2441452	114.18	ug/l	100
69) o-Xylene	11.92	106	1187355	56.93	ug/l	100
70) Styrene	11.95	104	1979939	55.21	ug/l	100
71) Bromoform	12.11	173	596454	55.04	ug/l	100
73) Isopropylbenzene	12.26	105	3281237	54.52	ug/l	100
74) N-amyl acetate	12.13	43	1277527	49.70	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.55	83	734137	53.07	ug/l	100
76) 1,2,3-Trichloropropane	12.59	75	755234	52.41	ug/l	100
77) Bromobenzene	12.53	156	925812	55.53	ug/l	100
78) n-propylbenzene	12.63	91	4080067	53.78	ug/l	100
79) 2-Chlorotoluene	12.70	91	2301186	53.70	ug/l	100
80) 1,3,5-Trimethylbenzene	12.79	105	2545028	53.43	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.33	75	225358	50.66	ug/l	100
82) 4-Chlorotoluene	12.80	91	2505603	51.58	ug/l	100
83) tert-Butylbenzene	13.04	119	2913192	53.85	ug/l	100
84) 1,2,4-Trimethylbenzene	13.08	105	2612353	52.81	ug/l	100
85) sec-Butylbenzene	13.21	105	3411229	53.74	ug/l	100
86) p-Isopropyltoluene	13.34	119	2868110	55.04	ug/l	100
87) 1,3-Dichlorobenzene	13.30	146	1627168	54.71	ug/l	100
88) 1,4-Dichlorobenzene	13.39	146	1648753	55.36	ug/l	100
89) n-Butylbenzene	13.64	91	2671425	51.32	ug/l	100
90) Hexachloroethane	13.85	117	716794	51.93	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1338922	53.41	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.21	75	100042	48.36	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	1193447	55.36	ug/l	100
94) Hexachlorobutadiene	14.87	225	783041	55.23	ug/l	100
95) Naphthalene	14.96	128	1794033	54.70	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	1037594	56.13	ug/l	100

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

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