

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082018\
 Data File : VD059828.D
 Acq On : 20 Aug 2018 13:27
 Operator : JC/SY
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 8/21/2018 10:23:32 AM

Quant Time: Aug 21 04:27:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 21 02:29:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.59	168	972794	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.65	114	1412210	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.65	117	1145539	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.89	152	520487	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.97	65	411327	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
35) Dibromofluoromethane	5.51	113	564955	53.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.28%	
50) Toluene-d8	8.66	98	1521196	53.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.70%	
62) 4-Bromofluorobenzene	11.90	95	566791	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.32	85	445127	53.27	ug/l	100
3) Chloromethane	1.46	50	353508	51.02	ug/l	100
4) Vinyl Chloride	1.54	62	309794	55.17	ug/l	100
5) Bromomethane	1.78	94	49944	65.99	ug/l	100
6) Chloroethane	1.86	64	87955	62.59	ug/l	100
7) Trichlorofluoromethane	2.06	101	328977	56.09	ug/l	100
8) Diethyl Ether	2.32	74	71149	55.13	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.52	101	199725	54.37	ug/l	100
10) Methyl Iodide	2.66	142	239369	63.03	ug/l	100
11) Tert butyl alcohol	3.22	59	84574	288.81	ug/l	100
12) 1,1-Dichloroethene	2.51	96	152161	52.97	ug/l	100
13) Acrolein	2.45	56	89431	324.06	ug/l	100
14) Allyl chloride	2.89	41	410007	53.84	ug/l	100
15) Acrylonitrile	3.33	53	354471	268.04	ug/l	100
16) Acetone	2.58	43	409008	309.47	ug/l	100
17) Carbon Disulfide	2.72	76	550799	57.27	ug/l	100
18) Methyl Acetate	2.90	43	144494	50.11	ug/l	100
19) Methyl tert-butyl Ether	3.36	73	882726	52.40	ug/l	100
20) Methylene Chloride	3.04	84	180475	40.29	ug/l	100
21) trans-1,2-Dichloroethene	3.35	96	428424	53.33	ug/l	100
22) Diisopropyl ether	4.02	45	2087891	53.27	ug/l	100
23) Vinyl Acetate	3.97	43	5738603	271.08	ug/l	100
24) 1,1-Dichloroethane	3.93	63	925502	54.01	ug/l	100
25) 2-Butanone	4.79	43	1166821	294.01	ug/l	100
26) 2,2-Dichloropropane	4.75	77	702095	51.64	ug/l	100
27) cis-1,2-Dichloroethene	4.76	96	558274	54.01	ug/l	100
28) Bromochloromethane	5.10	49	459140	52.27	ug/l	100
29) Tetrahydrofuran	5.13	42	541368	271.98	ug/l	100
30) Chloroform	5.28	83	900558	53.36	ug/l	100
31) Cyclohexane	5.55	56	789633	50.42	ug/l	100
32) 1,1,1-Trichloroethane	5.47	97	763554	53.59	ug/l	100
36) 1,1-Dichloropropene	5.70	75	643788	52.99	ug/l	100
37) Ethyl Acetate	4.88	43	499923	56.55	ug/l	100
38) Carbon Tetrachloride	5.67	117	638396	52.85	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.24	83	730376	56.56	ug/l	100
40) Benzene	5.97	78	1686602	53.78	ug/l	100
41) Methacrylonitrile	5.07	41	241008	52.95	ug/l	100
42) 1,2-Dichloroethane	6.09	62	546858	54.29	ug/l	100
43) Isopropyl Acetate	7.57	43	654033	53.93	ug/l	100
44) Trichloroethene	6.93	130	495315	53.59	ug/l	100
45) 1,2-Dichloropropane	7.31	63	499006	54.89	ug/l	100
46) Dibromomethane	7.42	93	314762	55.72	ug/l	100
47) Bromodichloromethane	7.70	83	685297	54.67	ug/l	100
48) Methyl methacrylate	7.46	41	370632	54.64	ug/l	100
49) 1,4-Dioxane	7.44	88	64028	1133.08	ug/l	100
51) 4-Methyl-2-Pentanone	8.56	43	2498720	299.55	ug/l	100
52) Toluene	8.76	92	1050018	52.77	ug/l	100
53) t-1,3-Dichloropropene	9.15	75	609701	53.41	ug/l	100
54) cis-1,3-Dichloropropene	8.32	75	762485	55.63	ug/l	100
55) 1,1,2-Trichloroethane	9.41	97	367120	51.83	ug/l	100
56) Ethyl methacrylate	9.28	69	443172	54.45	ug/l	100
57) 1,3-Dichloropropane	9.62	76	554243	53.67	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.14	63	1089396	260.59	ug/l	100
59) 2-Hexanone	9.75	43	1835717	298.78	ug/l	100
60) Dibromochloromethane	9.91	129	496738	54.56	ug/l	100
61) 1,2-Dibromoethane	10.05	107	412952	54.82	ug/l	100
64) Tetrachloroethene	9.47	164	451492	53.67	ug/l	100
65) Chlorobenzene	10.69	112	1179263	52.91	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.81	131	415614	54.00	ug/l	100
67) Ethyl Benzene	10.83	91	1910106	52.26	ug/l	100
68) m/p-Xylenes	10.99	106	1383716	103.34	ug/l	100
69) o-Xylene	11.37	106	699638	53.48	ug/l	100
70) Styrene	11.40	104	1215535	53.61	ug/l	100
71) Bromoform	11.57	173	364389	54.17	ug/l	100
73) Isopropylbenzene	11.75	105	1877808	52.89	ug/l	100
74) N-amyl acetate	11.62	43	838266	53.40	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.05	83	436281	53.45	ug/l	100
76) 1,2,3-Trichloropropane	12.08	75	451371	53.07	ug/l	100
77) Bromobenzene	12.01	156	545615	55.36	ug/l	100
78) n-propylbenzene	12.13	91	2351195	52.71	ug/l	100
79) 2-Chlorotoluene	12.19	91	1371658	53.85	ug/l	100
80) 1,3,5-Trimethylbenzene	12.30	105	1392863	52.31	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.81	75	139703	53.10	ug/l	100
82) 4-Chlorotoluene	12.30	91	1362406	51.45	ug/l	100
83) tert-Butylbenzene	12.55	119	1562925m	49.94	ug/l	
84) 1,2,4-Trimethylbenzene	12.60	105	1605052	54.46	ug/l	100
85) sec-Butylbenzene	12.73	105	1937450	51.60	ug/l	100
86) p-Isopropyltoluene	12.86	119	1543070	52.36	ug/l	100
87) 1,3-Dichlorobenzene	12.82	146	852758	51.31	ug/l	100
88) 1,4-Dichlorobenzene	12.91	146	883556	52.84	ug/l	100
89) n-Butylbenzene	13.17	91	1477052	49.96	ug/l	100
90) Hexachloroethane	13.38	117	450087	54.06	ug/l	100
91) 1,2-Dichlorobenzene	13.17	146	689611	50.96	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.75	75	64890	53.66	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.31	180	651038	53.91	ug/l	100
94) Hexachlorobutadiene	14.41	225	442218	55.11	ug/l	100
95) Naphthalene	14.49	128	1034924	53.72	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	573875	54.74	ug/l	100

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

