

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD060520\
 Data File : VD065770.D
 Acq On : 05 Jun 2020 11:51
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 6/5/2020 4:12:44 PM

Quant Time: Jun 05 12:52:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 12:42:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	228535	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	354340	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	334481	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	167846	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	114167	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
35) Dibromofluoromethane	7.92	113	114211	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
50) Toluene-d8	10.34	98	440056	53.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.68%	
62) 4-Bromofluorobenzene	12.64	95	146731	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.99	85	76509	41.07	ug/l	100
3) Chloromethane	2.21	50	134489	42.49	ug/l	100
4) Vinyl Chloride	2.35	62	162731	45.03	ug/l	100
5) Bromomethane	2.77	94	110172	43.57	ug/l	100
6) Chloroethane	2.93	64	109903	45.11	ug/l	100
7) Trichlorofluoromethane	3.27	101	181171	44.60	ug/l	100
8) Diethyl Ether	3.71	74	51117	49.70	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	108367	44.92	ug/l	100
10) Methyl Iodide	4.30	142	115106	54.70	ug/l	100
11) Tert butyl alcohol	5.22	59	31615	170.56	ug/l	100
12) 1,1-Dichloroethene	4.07	96	100960	46.64	ug/l	100
13) Acrolein	3.93	56	29031	213.37	ug/l	100
14) Allyl chloride	4.71	41	171149	48.74	ug/l	100
15) Acrylonitrile	5.42	53	116925	251.02	ug/l	100
16) Acetone	4.16	43	103658	239.21	ug/l	100
17) Carbon Disulfide	4.41	76	338032	46.31	ug/l	100
18) Methyl Acetate	4.71	43	49763	41.73	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	240170	50.41	ug/l	100
20) Methylene Chloride	4.97	84	115829	40.82	ug/l	100
21) trans-1,2-Dichloroethene	5.47	96	119805	47.85	ug/l	100
22) Diisopropyl ether	6.37	45	354370	50.21	ug/l	100
23) Vinyl Acetate	6.30	43	1050469	271.73	ug/l	100
24) 1,1-Dichloroethane	6.27	63	205771	47.08	ug/l	100
25) 2-Butanone	7.21	43	153278	256.96	ug/l	100
26) 2,2-Dichloropropane	7.21	77	183758	47.32	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	132249	49.60	ug/l	100
28) Bromochloromethane	7.55	49	83555	50.68	ug/l	100
29) Tetrahydrofuran	7.57	42	94347	251.28	ug/l	100
30) Chloroform	7.71	83	214371	47.45	ug/l	100
31) Cyclohexane	7.98	56	190970	44.41	ug/l	100
32) 1,1,1-Trichloroethane	7.91	97	197327	47.39	ug/l	100
36) 1,1-Dichloropropene	8.11	75	169235	48.58	ug/l	100
37) Ethyl Acetate	7.30	43	69396	51.23	ug/l	100
38) Carbon Tetrachloride	8.10	117	178531	48.86	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	203785	50.38	ug/l	100
40) Benzene	8.36	78	465232	49.42	ug/l	100
41) Methacrylonitrile	7.53	41	45651	54.04	ug/l	100
42) 1,2-Dichloroethane	8.43	62	140611	48.79	ug/l	100
43) Isopropyl Acetate	8.46	43	136653	51.40	ug/l	100
44) Trichloroethene	9.11	130	128209	49.04	ug/l	100
45) 1,2-Dichloropropane	9.39	63	118014	49.59	ug/l	100
46) Dibromomethane	9.48	93	64112	49.95	ug/l	100
47) Bromodichloromethane	9.67	83	169161	48.95	ug/l	100
48) Methyl methacrylate	9.46	41	68800	52.88	ug/l	100
49) 1,4-Dioxane	9.47	88	14442	1070.73	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	338690	261.35	ug/l	100
52) Toluene	10.40	92	306833	50.88	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	158732	52.13	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	187805	52.05	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	86584	50.79	ug/l	100
56) Ethyl methacrylate	10.66	69	106133	54.93	ug/l	100
57) 1,3-Dichloropropane	10.95	76	149897	50.76	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	244190	269.64	ug/l	100
59) 2-Hexanone	10.99	43	234938	272.01	ug/l	100
60) Dibromochloromethane	11.14	129	118396	51.63	ug/l	100
61) 1,2-Dibromoethane	11.25	107	85781	51.66	ug/l	100
64) Tetrachloroethene	10.88	164	108899	47.03	ug/l	100
65) Chlorobenzene	11.67	112	323390	48.87	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	122420	49.94	ug/l	100
67) Ethyl Benzene	11.75	91	586879	50.16	ug/l	100
68) m/p-Xylenes	11.86	106	453380	100.65	ug/l	100
69) o-Xylene	12.18	106	206466	51.64	ug/l	100
70) Styrene	12.20	104	366882	53.13	ug/l	100
71) Bromoform	12.36	173	68678	51.27	ug/l #	100
73) Isopropylbenzene	12.48	105	572478	50.64	ug/l	100
74) N-amyl acetate	12.29	43	129351	51.58	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	93865	47.76	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	59748m	45.44	ug/l	
77) Bromobenzene	12.77	156	137543	51.31	ug/l	100
78) n-propylbenzene	12.83	91	689207	50.23	ug/l	100
79) 2-Chlorotoluene	12.91	91	377275	50.09	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	481760	51.24	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	31007	52.04	ug/l	100
82) 4-Chlorotoluene	13.01	91	400140	49.18	ug/l	100
83) tert-Butylbenzene	13.23	119	416833	51.25	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	484405	51.47	ug/l	100
85) sec-Butylbenzene	13.41	105	578210	50.71	ug/l	100
86) p-Isopropyltoluene	13.52	119	539479	52.11	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	261737	48.92	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	260867	48.87	ug/l	100
89) n-Butylbenzene	13.85	91	503144	50.55	ug/l	100
90) Hexachloroethane	14.12	117	104932	49.88	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	228033	49.69	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	15679	48.23	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	157347	51.76	ug/l	100
94) Hexachlorobutadiene	15.27	225	93698	50.05	ug/l	100
95) Naphthalene	15.41	128	274444	54.10	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	137460	52.60	ug/l	100

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

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