

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021720\
 Data File : VY001638.D
 Acq On : 17 Feb 2020 11:07
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 10:49:59 AM

Quant Time: Feb 17 12:14:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 11:55:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	210468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	373903	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	341946	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	162223	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	111591	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
35) Dibromofluoromethane	7.75	113	101846	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	
50) Toluene-d8	10.19	98	427582	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
62) 4-Bromofluorobenzene	12.49	95	156827	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	110507	53.287	ug/l	100
3) Chloromethane	2.13	50	139724	61.774	ug/l	100
4) Vinyl Chloride	2.26	62	142556	61.156	ug/l	100
5) Bromomethane	2.66	94	88421	60.546	ug/l	100
6) Chloroethane	2.81	64	86077	61.237	ug/l	100
7) Trichlorofluoromethane	3.15	101	177801	48.390	ug/l	100
8) Diethyl Ether	3.55	74	68699	53.893	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.93	101	112498	50.553	ug/l	100
10) Methyl Iodide	4.12	142	147639	52.155	ug/l	100
11) Tert butyl alcohol	4.99	59	63189	190.201	ug/l	100
12) 1,1-Dichloroethene	3.90	96	113126	51.063	ug/l	100
13) Acrolein	3.75	56	53858	262.432	ug/l	100
14) Allyl chloride	4.51	41	203663	58.183	ug/l	100
15) Acrylonitrile	5.21	53	182012	302.009	ug/l	100
16) Acetone	3.97	43	225824	340.402	ug/l	100
17) Carbon Disulfide	4.22	76	383685	53.850	ug/l	100
18) Methyl Acetate	4.51	43	83741	60.390	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	316081	52.852	ug/l	100
20) Methylene Chloride	4.75	84	126444	45.774	ug/l	100
21) trans-1,2-Dichloroethene	5.25	96	128516	51.869	ug/l	100
22) Diisopropyl ether	6.15	45	416886	59.750	ug/l	100
23) Vinyl Acetate	6.10	43	1392590	309.965	ug/l	100
24) 1,1-Dichloroethane	6.05	63	222728	54.290	ug/l	100
25) 2-Butanone	7.02	43	290168	336.855	ug/l	100
26) 2,2-Dichloropropane	7.02	77	188036	48.660	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	140664	51.867	ug/l	100
28) Bromochloromethane	7.36	49	97650	67.443	ug/l	100
29) Tetrahydrofuran	7.38	42	165160	323.014	ug/l	100
30) Chloroform	7.53	83	213488	51.894	ug/l	100
31) Cyclohexane	7.81	56	226334	53.712	ug/l	100
32) 1,1,1-Trichloroethane	7.73	97	182593	49.522	ug/l	100
36) 1,1-Dichloropropene	7.94	75	179316	52.154	ug/l	100
37) Ethyl Acetate	7.11	43	106620	60.980	ug/l	100
38) Carbon Tetrachloride	7.92	117	159759	48.785	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	237149	52.450	ug/l	100
40) Benzene	8.19	78	525510	53.291	ug/l	100
41) Methacrylonitrile	7.35	41	58062m	74.168	ug/l	
42) 1,2-Dichloroethane	8.26	62	143280	52.076	ug/l	100
43) Isopropyl Acetate	8.30	43	209231	60.657	ug/l	100
44) Trichloroethene	8.96	130	130984	49.909	ug/l	100
45) 1,2-Dichloropropane	9.24	63	130983	54.601	ug/l	100
46) Dibromomethane	9.32	93	69224	51.828	ug/l	100
47) Bromodichloromethane	9.52	83	168054	51.881	ug/l	100
48) Methyl methacrylate	9.31	41	94448	60.468	ug/l	100
49) 1,4-Dioxane	9.31	88	19468	1082.180	ug/l	100
51) 4-Methyl-2-Pentanone	10.08	43	540810	314.813	ug/l	100
52) Toluene	10.26	92	332106	53.072	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	191135	53.670	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	214540	52.778	ug/l	100
55) 1,1,2-Trichloroethane	10.66	97	103523	53.665	ug/l	100
56) Ethyl methacrylate	10.52	69	159231	57.252	ug/l	100
57) 1,3-Dichloropropane	10.80	76	185134	54.263	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	266383	264.868	ug/l	100
59) 2-Hexanone	10.85	43	428244	337.730	ug/l	100
60) Dibromochloromethane	11.00	129	116312	51.725	ug/l	100
61) 1,2-Dibromoethane	11.10	107	98717	52.254	ug/l	100
64) Tetrachloroethene	10.73	164	105638	47.690	ug/l	100
65) Chlorobenzene	11.53	112	341124	50.892	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	115836	49.560	ug/l	100
67) Ethyl Benzene	11.60	91	636684	51.247	ug/l	100
68) m/p-Xylenes	11.71	106	478079	102.450	ug/l	100
69) o-Xylene	12.04	106	228976	51.997	ug/l	100
70) Styrene	12.05	104	399421	52.319	ug/l	100
71) Bromoform	12.22	173	69578	52.824	ug/l	# 100
73) Isopropylbenzene	12.34	105	612356	49.768	ug/l	100
74) N-amyl acetate	12.15	43	202739	60.318	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	135827	56.205	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	84407m	48.541	ug/l	
77) Bromobenzene	12.62	156	132570	49.794	ug/l	100
78) n-propylbenzene	12.68	91	757073	51.085	ug/l	100
79) 2-Chlorotoluene	12.77	91	418820	49.807	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	515971	49.775	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	52746	56.806	ug/l	100
82) 4-Chlorotoluene	12.86	91	452821	51.078	ug/l	100
83) tert-Butylbenzene	13.08	119	432468	49.481	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	512887	49.926	ug/l	100
85) sec-Butylbenzene	13.26	105	633084	51.203	ug/l	100
86) p-Isopropyltoluene	13.38	119	552333	50.727	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	259112	50.446	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	259750	50.504	ug/l	100
89) n-Butylbenzene	13.70	91	563447	52.124	ug/l	100
90) Hexachloroethane	13.97	117	105662	50.647	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	238659	51.194	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.37	75	22154	50.464	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	158201	50.345	ug/l	100
94) Hexachlorobutadiene	15.12	225	76266	48.324	ug/l	100
95) Naphthalene	15.24	128	371069	49.776	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	138639	49.842	ug/l	100

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

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