

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011720\
 Data File : VY001288.D
 Acq On : 17 Jan 2020 23:50
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/20/2020 11:06:34 AM

Quant Time: Jan 18 05:16:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.84	168	186331	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.73	114	336606	50.00	ug/l	0.04
63) Chlorobenzene-d5	11.52	117	300322	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	13.44	152	143762	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.19	65	96600	49.09	ug/l	0.04
Spiked Amount 50.000			Recovery	=	98.18%	
35) Dibromofluoromethane	7.77	113	88584	44.95	ug/l	0.04
Spiked Amount 50.000			Recovery	=	89.90%	
50) Toluene-d8	10.21	98	363812	47.91	ug/l	0.02
Spiked Amount 50.000			Recovery	=	95.82%	
62) 4-Bromofluorobenzene	12.50	95	137618	44.33	ug/l	0.02
Spiked Amount 50.000			Recovery	=	88.66%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.93	85	56440	39.441	ug/l	99
3) Chloromethane	2.14	50	89517	43.398	ug/l	99
4) Vinyl Chloride	2.27	62	94742	45.592	ug/l	97
5) Bromomethane	2.68	94	68609	61.466	ug/l	99
6) Chloroethane	2.82	64	64243	53.512	ug/l	93
7) Trichlorofluoromethane	3.16	101	126735	43.815	ug/l	99
8) Diethyl Ether	3.57	74	55504	49.383	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.95	101	83194	44.683	ug/l	99
10) Methyl Iodide	4.14	142	102985	40.411	ug/l	97
11) Tert butyl alcohol	5.02	59	51291	259.038	ug/l	100
12) 1,1-Dichloroethene	3.92	96	84780	44.508	ug/l	99
13) Acrolein	3.77	56	47254	265.093	ug/l	98
14) Allyl chloride	4.54	41	151127	47.008	ug/l	99
15) Acrylonitrile	5.23	53	144230	256.587	ug/l	99
16) Acetone	4.00	43	114322	250.132	ug/l	99
17) Carbon Disulfide	4.24	76	240883	39.072	ug/l	100
18) Methyl Acetate	4.53	43	73871	48.885	ug/l	99
19) Methyl tert-butyl Ether	5.28	73	264325	50.166	ug/l	99
20) Methylene Chloride	4.77	84	123364	58.903	ug/l	96
21) trans-1,2-Dichloroethene	5.28	96	100767	46.654	ug/l	98
22) Diisopropyl ether	6.18	45	338097	51.489	ug/l	95
23) Vinyl Acetate	6.12	43	1079898	257.150	ug/l	100
24) 1,1-Dichloroethane	6.08	63	179672	49.981	ug/l	98
25) 2-Butanone	7.04	43	189618	266.569	ug/l	95
26) 2,2-Dichloropropane	7.04	77	144806	43.805	ug/l	100
27) cis-1,2-Dichloroethene	7.04	96	118401	50.028	ug/l	99
28) Bromochloromethane	7.38	49	88234	59.772	ug/l	98
29) Tetrahydrofuran	7.40	42	125536	257.524	ug/l	97
30) Chloroform	7.56	83	179062	50.837	ug/l	97
31) Cyclohexane	7.83	56	156716	41.174	ug/l	98
32) 1,1,1-Trichloroethane	7.75	97	149158	47.726	ug/l	99
36) 1,1-Dichloropropene	7.96	75	134916	43.976	ug/l	100
37) Ethyl Acetate	7.13	43	84521	46.943	ug/l	98
38) Carbon Tetrachloride	7.95	117	125980	44.807	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.22	83	169224	40.686	ug/l	99
40) Benzene	8.21	78	419965	46.894	ug/l	99
41) Methacrylonitrile	7.36	41	41789m	49.410	ug/l	
42) 1,2-Dichloroethane	8.28	62	119501	47.654	ug/l	99
43) Isopropyl Acetate	8.32	43	168220	48.859	ug/l	98
44) Trichloroethene	8.97	130	107401	46.025	ug/l	98
45) 1,2-Dichloropropane	9.25	63	108877	49.177	ug/l	96
46) Dibromomethane	9.34	93	58524	48.447	ug/l	98
47) Bromodichloromethane	9.53	83	143423	48.717	ug/l	97
48) Methyl methacrylate	9.33	41	75930	47.658	ug/l	99
49) 1,4-Dioxane	9.33	88	16122	1095.898	ug/l	97
51) 4-Methyl-2-Pentanone	10.10	43	427250	244.565	ug/l	100
52) Toluene	10.27	92	266539	46.664	ug/l	99
53) t-1,3-Dichloropropene	10.49	75	154165	46.797	ug/l	99
54) cis-1,3-Dichloropropene	9.96	75	174824	47.069	ug/l	99
55) 1,1,2-Trichloroethane	10.67	97	86673	48.398	ug/l	99
56) Ethyl methacrylate	10.53	69	132290	48.291	ug/l	98
57) 1,3-Dichloropropane	10.81	76	152620	49.642	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.82	63	224893	233.417	ug/l	98
59) 2-Hexanone	10.86	43	302381	246.975	ug/l	99
60) Dibromochloromethane	11.01	129	99982	48.490	ug/l	99
61) 1,2-Dibromoethane	11.11	107	82526	47.194	ug/l	100
64) Tetrachloroethene	10.75	164	88484	45.706	ug/l	95
65) Chlorobenzene	11.54	112	284617	47.429	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.61	131	102792	49.700	ug/l	99
67) Ethyl Benzene	11.61	91	518175	47.203	ug/l	100
68) m/p-Xylenes	11.72	106	395365	95.474	ug/l	98
69) o-Xylene	12.05	106	189121	47.633	ug/l	100
70) Styrene	12.06	104	339179	48.688	ug/l	99
71) Bromoform	12.23	173	58710	46.029	ug/l #	98
73) Isopropylbenzene	12.35	105	504275	46.659	ug/l	100
74) N-amyl acetate	12.16	43	177469	52.617	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.60	83	109393	48.109	ug/l	100
76) 1,2,3-Trichloropropane	12.65	75	80312m	52.185	ug/l	
77) Bromobenzene	12.63	156	115237	48.255	ug/l	96
78) n-propylbenzene	12.69	91	611804	47.062	ug/l	99
79) 2-Chlorotoluene	12.78	91	350176	46.903	ug/l	99
80) 1,3,5-Trimethylbenzene	12.83	105	428266	47.492	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	39219	43.215	ug/l #	98
82) 4-Chlorotoluene	12.88	91	373505	46.862	ug/l	100
83) tert-Butylbenzene	13.09	119	366026	48.306	ug/l	99
84) 1,2,4-Trimethylbenzene	13.14	105	432224	48.266	ug/l	99
85) sec-Butylbenzene	13.27	105	518208	47.539	ug/l	100
86) p-Isopropyltoluene	13.39	119	454632	48.036	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	222084	49.173	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	221931	47.745	ug/l	99
89) n-Butylbenzene	13.71	91	451945	47.412	ug/l	99
90) Hexachloroethane	13.98	117	89298	48.288	ug/l	98
91) 1,2-Dichlorobenzene	13.76	146	208012	49.557	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.38	75	18466	45.020	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	133381	48.230	ug/l	99
94) Hexachlorobutadiene	15.13	225	66263	47.561	ug/l	98
95) Naphthalene	15.25	128	310700	48.258	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	118453	48.600	ug/l	100

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

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