

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042120\
 Data File : VY002452.D
 Acq On : 21 Apr 2020 22:21
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/22/2020 11:44:34 AM

Quant Time: Apr 22 05:20:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042020S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 20 15:14:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	262233	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	420281	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	379863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	180957	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	93606	49.08	ug/l	0.01
Spiked Amount 50.000			Recovery	=	98.16%	
35) Dibromofluoromethane	7.74	113	108446	49.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.12%	
50) Toluene-d8	10.19	98	421054	47.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.18%	
62) 4-Bromofluorobenzene	12.49	95	136590	46.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.54%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	95347	53.219	ug/l	98
3) Chloromethane	2.13	50	115732	52.910	ug/l	98
4) Vinyl Chloride	2.26	62	123775	52.526	ug/l	98
5) Bromomethane	2.66	94	66958	43.818	ug/l	95
6) Chloroethane	2.81	64	62793	45.135	ug/l	99
7) Trichlorofluoromethane	3.15	101	176959	48.249	ug/l	96
8) Diethyl Ether	3.55	74	76277	52.695	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	118551	49.416	ug/l	99
10) Methyl Iodide	4.11	142	165873	51.275	ug/l	99
11) Tert butyl alcohol	4.99	59	46334	203.274	ug/l	98
12) 1,1-Dichloroethene	3.90	96	125759	50.504	ug/l	97
13) Acrolein	3.76	56	59463	265.451	ug/l	99
14) Allyl chloride	4.50	41	155610	50.812	ug/l	99
15) Acrylonitrile	5.20	53	164395	253.397	ug/l	99
16) Acetone	3.97	43	106115	208.200	ug/l	100
17) Carbon Disulfide	4.22	76	390336	51.447	ug/l	97
18) Methyl Acetate	4.50	43	71505	49.083	ug/l	98
19) Methyl tert-butyl Ether	5.25	73	304151	52.008	ug/l	98
20) Methylene Chloride	4.75	84	145148	50.893	ug/l	98
21) trans-1,2-Dichloroethene	5.25	96	138918	51.552	ug/l	98
22) Diisopropyl ether	6.15	45	309645	50.430	ug/l	98
23) Vinyl Acetate	6.09	43	987034	255.209	ug/l	99
24) 1,1-Dichloroethane	6.05	63	201528	51.755	ug/l	99
25) 2-Butanone	7.01	43	168220	231.545	ug/l	99
26) 2,2-Dichloropropane	7.01	77	155797	45.706	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	153352	52.474	ug/l	99
28) Bromochloromethane	7.36	49	71361	48.096	ug/l	97
29) Tetrahydrofuran	7.38	42	111887	240.121	ug/l	98
30) Chloroform	7.53	83	209046	52.021	ug/l	96
31) Cyclohexane	7.81	56	183566	46.511	ug/l	96
32) 1,1,1-Trichloroethane	7.73	97	179197	50.491	ug/l	98
36) 1,1-Dichloropropene	7.94	75	159331	47.115	ug/l	99
37) Ethyl Acetate	7.10	43	74303	46.986	ug/l	99
38) Carbon Tetrachloride	7.92	117	162334	47.657	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	218040	46.699	ug/l	98
40) Benzene	8.18	78	521525	50.107	ug/l	99
41) Methacrylonitrile	7.33	41	31205m	37.051	ug/l	
42) 1,2-Dichloroethane	8.26	62	122052	49.772	ug/l	100
43) Isopropyl Acetate	8.30	43	140948	47.531	ug/l	100
44) Trichloroethene	8.96	130	174914	50.265	ug/l	93
45) 1,2-Dichloropropane	9.24	63	118827	49.981	ug/l	100
46) Dibromomethane	9.32	93	69328	49.964	ug/l	100
47) Bromodichloromethane	9.52	83	159356	50.621	ug/l	96
48) Methyl methacrylate	9.31	41	61258	46.264	ug/l	93
49) 1,4-Dioxane	9.31	88	18180	888.725	ug/l	93
51) 4-Methyl-2-Pentanone	10.09	43	371572	241.251	ug/l	99
52) Toluene	10.26	92	324815	49.310	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	162975	48.405	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	198196	49.493	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	103763	49.858	ug/l	97
56) Ethyl methacrylate	10.52	69	133081	49.646	ug/l	98
57) 1,3-Dichloropropane	10.81	76	169140	49.645	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	315439	237.552	ug/l	99
59) 2-Hexanone	10.85	43	249478	228.225	ug/l	100
60) Dibromochloromethane	11.00	129	125268	49.974	ug/l	99
61) 1,2-Dibromoethane	11.10	107	99880	49.190	ug/l	99
64) Tetrachloroethene	10.74	164	198178	48.901	ug/l	98
65) Chlorobenzene	11.53	112	356851	48.970	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.60	131	127721	49.680	ug/l	98
67) Ethyl Benzene	11.61	91	605401	48.034	ug/l	97
68) m/p-Xylenes	11.72	106	472465	97.002	ug/l	99
69) o-Xylene	12.04	106	225050	49.043	ug/l	99
70) Styrene	12.06	104	387761	49.361	ug/l	99
71) Bromoform	12.22	173	76539	48.652	ug/l #	98
73) Isopropylbenzene	12.34	105	585486	49.300	ug/l	100
74) N-amyl acetate	12.16	43	124357	47.904	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	67481	46.154	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	76763m	48.152	ug/l	
77) Bromobenzene	12.62	156	151670	50.693	ug/l	98
78) n-propylbenzene	12.68	91	678530	48.369	ug/l	100
79) 2-Chlorotoluene	12.77	91	379671	49.570	ug/l	100
80) 1,3,5-Trimethylbenzene	12.83	105	484872	49.516	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	38586	47.172	ug/l	99
82) 4-Chlorotoluene	12.87	91	388950	48.315	ug/l #	100
83) tert-Butylbenzene	13.09	119	415573	48.884	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	482353	49.171	ug/l	99
85) sec-Butylbenzene	13.27	105	583880	48.270	ug/l	99
86) p-Isopropyltoluene	13.38	119	530071	48.316	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	273532	49.149	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	274135	48.666	ug/l	100
89) n-Butylbenzene	13.70	91	486099	47.524	ug/l	99
90) Hexachloroethane	13.97	117	101090	49.148	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	251720	49.411	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.37	75	15177	45.475	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	163046	44.679	ug/l	100
94) Hexachlorobutadiene	15.12	225	91207	45.576	ug/l	99
95) Naphthalene	15.25	128	337270	47.677	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	146332	46.193	ug/l	99

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

