

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071320\
 Data File : VY003184.D
 Acq On : 13 Jul 2020 16:24
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/14/2020 11:37:20 AM

Quant Time: Jul 14 04:14:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	493978	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	709243	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	651282	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	339481	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	199812	47.92	ug/l	0.00
Spiked Amount						
			Recovery	=	95.84%	
35) Dibromofluoromethane	7.72	113	200695	49.17	ug/l	0.00
Spiked Amount						
			Recovery	=	98.34%	
50) Toluene-d8	10.18	98	734686	48.42	ug/l	0.00
Spiked Amount						
			Recovery	=	96.84%	
62) 4-Bromofluorobenzene	12.48	95	262288	47.85	ug/l	0.00
Spiked Amount						
			Recovery	=	95.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	157233	44.410	ug/l	99
3) Chloromethane	2.11	50	226044	46.029	ug/l	100
4) Vinyl Chloride	2.25	62	233753	46.391	ug/l	97
5) Bromomethane	2.66	94	176172	47.072	ug/l	95
6) Chloroethane	2.80	64	155538	46.998	ug/l	99
7) Trichlorofluoromethane	3.13	101	343752	47.771	ug/l	98
8) Diethyl Ether	3.54	74	113171	46.934	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.91	101	214939	49.458	ug/l	98
10) Methyl Iodide	4.10	142	227974	48.284	ug/l	99
11) Tert butyl alcohol	4.96	59	89083	197.594	ug/l	100
12) 1,1-Dichloroethene	3.88	96	201322	48.977	ug/l	97
13) Acrolein	3.74	56	93616	239.234	ug/l	97
14) Allyl chloride	4.49	41	306591	50.266	ug/l	99
15) Acrylonitrile	5.18	53	264405	228.274	ug/l	99
16) Acetone	3.96	43	213992	229.776	ug/l	97
17) Carbon Disulfide	4.20	76	623778	49.453	ug/l	99
18) Methyl Acetate	4.49	43	114447	44.250	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	550644	47.802	ug/l	100
20) Methylene Chloride	4.73	84	236725	50.584	ug/l	96
21) trans-1,2-Dichloroethene	5.23	96	227087	48.844	ug/l	97
22) Diisopropyl ether	6.13	45	685725	50.656	ug/l	98
23) Vinyl Acetate	6.07	43	2200322	243.868	ug/l	99
24) 1,1-Dichloroethane	6.03	63	397038	50.626	ug/l	99
25) 2-Butanone	6.99	43	343707	224.774	ug/l	97
26) 2,2-Dichloropropane	6.99	77	352058	49.847	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	257229	50.250	ug/l	100
28) Bromochloromethane	7.34	49	163606	48.184	ug/l	97
29) Tetrahydrofuran	7.35	42	229445	223.361	ug/l	100
30) Chloroform	7.51	83	403497	49.954	ug/l	100
31) Cyclohexane	7.79	56	359328	47.382	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	363681	50.013	ug/l	99
36) 1,1-Dichloropropene	7.92	75	322136	50.114	ug/l	99
37) Ethyl Acetate	7.08	43	162142	46.839	ug/l	98
38) Carbon Tetrachloride	7.91	117	335302	50.527	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	404629	50.108	ug/l	99
40) Benzene	8.16	78	886198	50.069	ug/l	97
41) Methacrylonitrile	7.33	41	101873m	48.862	ug/l	
42) 1,2-Dichloroethane	8.24	62	264450	48.532	ug/l	99
43) Isopropyl Acetate	8.28	43	311827	46.537	ug/l	99
44) Trichloroethene	8.94	130	266272	49.075	ug/l	98
45) 1,2-Dichloropropane	9.22	63	231715	50.595	ug/l	99
46) Dibromomethane	9.31	93	129630	48.461	ug/l	99
47) Bromodichloromethane	9.50	83	319556	50.230	ug/l	100
48) Methyl methacrylate	9.30	41	143036	47.749	ug/l	97
49) 1,4-Dioxane	9.30	88	32433	955.338	ug/l	88
51) 4-Methyl-2-Pentanone	10.07	43	803433	230.687	ug/l	100
52) Toluene	10.25	92	564148	49.867	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	329620	50.007	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	379681	49.993	ug/l	96
55) 1,1,2-Trichloroethane	10.64	97	181696	47.935	ug/l	98
56) Ethyl methacrylate	10.51	69	252111	48.922	ug/l	97
57) 1,3-Dichloropropane	10.79	76	309006	48.079	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	624302	237.542	ug/l	100
59) 2-Hexanone	10.83	43	554221	227.959	ug/l	100
60) Dibromochloromethane	10.99	129	232721	48.814	ug/l	99
61) 1,2-Dibromoethane	11.09	107	176846	47.272	ug/l	99
64) Tetrachloroethene	10.72	164	282855	48.709	ug/l	99
65) Chlorobenzene	11.52	112	624572	49.780	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.59	131	244792	50.234	ug/l	99
67) Ethyl Benzene	11.59	91	1127113	50.313	ug/l	99
68) m/p-Xylenes	11.70	106	859164	101.079	ug/l	100
69) o-Xylene	12.03	106	400721	50.464	ug/l	99
70) Styrene	12.05	104	691459	50.902	ug/l	99
71) Bromoform	12.21	173	152187	47.584	ug/l	98
73) Isopropylbenzene	12.33	105	1097530	50.732	ug/l	99
74) N-amyl acetate	12.14	43	295907	48.747	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	197191	47.194	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	156428m	52.056	ug/l	
77) Bromobenzene	12.61	156	277979	50.408	ug/l	99
78) n-propylbenzene	12.67	91	1311755	51.439	ug/l	99
79) 2-Chlorotoluene	12.76	91	723470	50.848	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	922892	51.184	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	73256	47.444	ug/l	98
82) 4-Chlorotoluene	12.86	91	762433	51.340	ug/l	99
83) tert-Butylbenzene	13.08	119	807461	50.752	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	930115	51.268	ug/l	99
85) sec-Butylbenzene	13.25	105	1129722	51.663	ug/l	99
86) p-Isopropyltoluene	13.37	119	1044601	51.162	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	520579	49.920	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	515277	49.908	ug/l	99
89) n-Butylbenzene	13.70	91	990675	51.584	ug/l	100
90) Hexachloroethane	13.96	117	193473	52.033	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	458816	50.135	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	28579	42.190	ug/l	95

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93) 1,2,4-Trichlorobenzene	15.01	180	315237	48.420	ug/l	99
94) Hexachlorobutadiene	15.11	225	224587	50.344	ug/l	99
95) Naphthalene	15.24	128	488402	45.392	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	235326	45.726	ug/l	98

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

