

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112119\
 Data File : VY000779.D
 Acq On : 21 Nov 2019 19:23
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/23/2019 6:11:12 AM

Quant Time: Nov 22 05:01:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	324688	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	581328	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	524310	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	240398	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	178569	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	
35) Dibromofluoromethane	7.73	113	173591	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
50) Toluene-d8	10.18	98	686806	53.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.08%	
62) 4-Bromofluorobenzene	12.48	95	247693	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	139632	43.687	ug/l	100
3) Chloromethane	2.12	50	169444	38.484	ug/l	98
4) Vinyl Chloride	2.25	62	167774	41.034	ug/l	98
5) Bromomethane	2.65	94	111351	45.415	ug/l	93
6) Chloroethane	2.79	64	111423	43.542	ug/l	96
7) Trichlorofluoromethane	3.13	101	262131	47.473	ug/l	97
8) Diethyl Ether	3.53	74	116096	59.172	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.90	101	166932	50.006	ug/l	94
10) Methyl Iodide	4.09	142	203651	46.581	ug/l	98
11) Tert butyl alcohol	4.97	59	91759	280.536	ug/l	99
12) 1,1-Dichloroethene	3.87	96	167454	51.631	ug/l	96
13) Acrolein	3.74	56	70317	246.805	ug/l	98
14) Allyl chloride	4.49	41	289976	54.985	ug/l	93
15) Acrylonitrile	5.18	53	296917	295.420	ug/l	99
16) Acetone	3.95	43	194187	209.687	ug/l	92
17) Carbon Disulfide	4.19	76	487103	47.618	ug/l	98
18) Methyl Acetate	4.48	43	171234	59.467	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	509798	56.534	ug/l	100
20) Methylene Chloride	4.72	84	207784	52.363	ug/l	97
21) trans-1,2-Dichloroethene	5.22	96	187704	51.193	ug/l	97
22) Diisopropyl ether	6.13	45	621871	54.252	ug/l	96
23) Vinyl Acetate	6.07	43	1935151	267.438	ug/l	95
24) 1,1-Dichloroethane	6.03	63	340327	54.804	ug/l	99
25) 2-Butanone	7.00	43	366063	247.680	ug/l	98
26) 2,2-Dichloropropane	6.99	77	268929	47.389	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	217404	54.225	ug/l	99
28) Bromochloromethane	7.34	49	158809	55.578	ug/l	100
29) Tetrahydrofuran	7.36	42	247454	273.683	ug/l	94
30) Chloroform	7.52	83	338323	53.856	ug/l	98
31) Cyclohexane	7.79	56	315629	48.528	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	277874	49.632	ug/l	99
36) 1,1-Dichloropropene	7.93	75	255405	46.475	ug/l	99
37) Ethyl Acetate	7.08	43	162269	49.734	ug/l	96
38) Carbon Tetrachloride	7.91	117	232092	43.890	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	334412	47.101	ug/l	98
40) Benzene	8.17	78	788102	48.914	ug/l	100
41) Methacrylonitrile	7.33	41	74517m	40.940	ug/l	
42) 1,2-Dichloroethane	8.25	62	213967	46.823	ug/l	98
43) Isopropyl Acetate	8.28	43	311361	50.800	ug/l	99
44) Trichloroethene	8.94	130	204110	48.048	ug/l	99
45) 1,2-Dichloropropane	9.22	63	208340	52.539	ug/l	98
46) Dibromomethane	9.31	93	109914	50.400	ug/l	98
47) Bromodichloromethane	9.50	83	254443	49.171	ug/l	98
48) Methyl methacrylate	9.30	41	137191	51.230	ug/l	93
49) 1,4-Dioxane	9.30	88	33339	1135.885	ug/l	93
51) 4-Methyl-2-Pentanone	10.07	43	821814	252.192	ug/l	94
52) Toluene	10.24	92	489874	48.091	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	280722	50.772	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	326708	51.579	ug/l	96
55) 1,1,2-Trichloroethane	10.64	97	164410	52.122	ug/l	97
56) Ethyl methacrylate	10.51	69	246402	55.115	ug/l	92
57) 1,3-Dichloropropane	10.79	76	292407	52.965	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.78	63	574281	284.135	ug/l	99
59) 2-Hexanone	10.83	43	557565	234.837	ug/l	93
60) Dibromochloromethane	10.99	129	177936	49.249	ug/l	99
61) 1,2-Dibromoethane	11.09	107	158424	52.236	ug/l	97
64) Tetrachloroethene	10.72	164	212709	49.063	ug/l	98
65) Chlorobenzene	11.52	112	519640	48.883	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	183724	49.834	ug/l	98
67) Ethyl Benzene	11.59	91	951035	48.611	ug/l	98
68) m/p-Xylenes	11.70	106	712596	94.107	ug/l	97
69) o-Xylene	12.03	106	340615	47.862	ug/l	99
70) Styrene	12.04	104	598220	49.090	ug/l	98
71) Bromoform	12.20	173	107203	50.555	ug/l #	98
73) Isopropylbenzene	12.33	105	907144	51.057	ug/l	100
74) N-amyl acetate	12.14	43	259289	50.956	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.58	83	190336	54.104	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	161253m	58.910	ug/l	
77) Bromobenzene	12.61	156	235458	58.440	ug/l	86
78) n-propylbenzene	12.67	91	1097517	51.196	ug/l	100
79) 2-Chlorotoluene	12.75	91	619145	52.023	ug/l	95
80) 1,3,5-Trimethylbenzene	12.81	105	751712	50.800	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	70003	57.341	ug/l	92
82) 4-Chlorotoluene	12.85	91	646783	52.428	ug/l	97
83) tert-Butylbenzene	13.07	119	629204	49.800	ug/l	99
84) 1,2,4-Trimethylbenzene	13.11	105	759958	51.581	ug/l	99
85) sec-Butylbenzene	13.25	105	925011	51.387	ug/l	99
86) p-Isopropyltoluene	13.36	119	798303	49.760	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	384352	48.703	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	389290	49.365	ug/l	99
89) n-Butylbenzene	13.69	91	794392	50.204	ug/l	99
90) Hexachloroethane	13.95	117	152842	51.533	ug/l	93
91) 1,2-Dichlorobenzene	13.74	146	367262	51.292	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	31984	51.372	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	234407	48.080	ug/l	99
94) Hexachlorobutadiene	15.11	225	112383	44.718	ug/l	99
95) Naphthalene	15.23	128	757177	69.960	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	215784	49.333	ug/l	99

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

