

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051220\
 Data File : VY002658.D
 Acq On : 12 May 2020 10:53
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: May 13 02:36:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	417739	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.69	114	612081	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	535237	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	267146	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	154454	43.97	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	87.94%	
35) Dibromofluoromethane	7.73	113	173714	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
50) Toluene-d8	10.18	98	676310	49.47	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	98.94%	
62) 4-Bromofluorobenzene	12.49	95	228079	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	168680	48.908	ug/l	98
3) Chloromethane	2.12	50	168753	49.861	ug/l	100
4) Vinyl Chloride	2.26	62	196500	50.281	ug/l	100
5) Bromomethane	2.66	94	134580	49.936	ug/l	100
6) Chloroethane	2.80	64	117623	50.407	ug/l	98
7) Trichlorofluoromethane	3.13	101	311595	51.445	ug/l	98
8) Diethyl Ether	3.54	74	98135	48.214	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	194588	52.566	ug/l	98
10) Methyl Iodide	4.10	142	275371	54.602	ug/l	99
11) Tert butyl alcohol	4.96	59	69164	191.395	ug/l	100
12) 1,1-Dichloroethene	3.88	96	190726	53.037	ug/l	96
13) Acrolein	3.74	56	59640	238.668	ug/l	97
14) Allyl chloride	4.49	41	276096	52.694	ug/l	97
15) Acrylonitrile	5.18	53	213015	221.925	ug/l	99
16) Acetone	3.96	43	151515	209.018	ug/l	99
17) Carbon Disulfide	4.21	76	559441	51.711	ug/l	99
18) Methyl Acetate	4.49	43	105198	43.434	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	448652	47.819	ug/l	97
20) Methylene Chloride	4.73	84	194338	47.941	ug/l	96
21) trans-1,2-Dichloroethene	5.23	96	204810	52.108	ug/l	98
22) Diisopropyl ether	6.13	45	532526	50.231	ug/l	97
23) Vinyl Acetate	6.07	43	1573531	236.006	ug/l	100
24) 1,1-Dichloroethane	6.03	63	326354	52.034	ug/l	99
25) 2-Butanone	6.99	43	243509	205.216	ug/l	97
26) 2,2-Dichloropropane	6.99	77	305600	51.261	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	223448	51.379	ug/l	99
28) Bromochloromethane	7.35	49	140522	54.684	ug/l	98
29) Tetrahydrofuran	7.35	42	172942	220.288	ug/l	99
30) Chloroform	7.52	83	330405	50.665	ug/l	99
31) Cyclohexane	7.79	56	315138	49.918	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	315221	52.004	ug/l	99
36) 1,1-Dichloropropene	7.92	75	271423	52.897	ug/l	100
37) Ethyl Acetate	7.08	43	118036	44.765	ug/l	100
38) Carbon Tetrachloride	7.91	117	293604	52.411	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	362524	53.491	ug/l	99
40) Benzene	8.17	78	764397	51.579	ug/l	99
41) Methacrylonitrile	7.33	41	71006m	50.085	ug/l	
42) 1,2-Dichloroethane	8.24	62	194890	46.883	ug/l	98
43) Isopropyl Acetate	8.28	43	227287	45.980	ug/l	99
44) Trichloroethene	8.94	130	248584	53.673	ug/l	96
45) 1,2-Dichloropropane	9.22	63	183729	51.368	ug/l	100
46) Dibromomethane	9.31	93	99794	48.494	ug/l	98
47) Bromodichloromethane	9.50	83	255495	51.060	ug/l	97
48) Methyl methacrylate	9.30	41	102447	45.794	ug/l	98
49) 1,4-Dioxane	9.30	88	24183	887.545	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	579641	227.497	ug/l	99
52) Toluene	10.25	92	496329	52.112	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	263194	50.202	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	308788	50.948	ug/l	99
55) 1,1,2-Trichloroethane	10.65	97	144328	48.094	ug/l	99
56) Ethyl methacrylate	10.51	69	195132	48.878	ug/l	96
57) 1,3-Dichloropropane	10.79	76	246914	48.518	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	520906	247.425	ug/l	100
59) 2-Hexanone	10.83	43	389527	222.124	ug/l	99
60) Dibromochloromethane	10.99	129	191602	50.199	ug/l	98
61) 1,2-Dibromoethane	11.09	107	143537	48.305	ug/l	99
64) Tetrachloroethene	10.72	164	272160	57.230	ug/l	98
65) Chlorobenzene	11.52	112	541279	53.198	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	202672	53.660	ug/l	99
67) Ethyl Benzene	11.59	91	969370	54.237	ug/l	100
68) m/p-Xylenes	11.70	106	751979	108.740	ug/l	100
69) o-Xylene	12.03	106	348591	53.836	ug/l	99
70) Styrene	12.05	104	595667	53.813	ug/l	99
71) Bromoform	12.21	173	118601	50.593	ug/l #	99
73) Isopropylbenzene	12.33	105	964203	55.690	ug/l	100
74) N-amyl acetate	12.14	43	204550	49.113	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	129778	47.132	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	97232m	40.956	ug/l	
77) Bromobenzene	12.61	156	238220	55.072	ug/l	95
78) n-propylbenzene	12.67	91	1110742	55.282	ug/l	99
79) 2-Chlorotoluene	12.76	91	608867	54.707	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	796132	55.473	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	59101	49.919	ug/l #	73
82) 4-Chlorotoluene	12.86	91	635602	54.368	ug/l	99
83) tert-Butylbenzene	13.08	119	695779	55.291	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	785693	54.932	ug/l	100
85) sec-Butylbenzene	13.25	105	968129	55.443	ug/l	100
86) p-Isopropyltoluene	13.37	119	904491	55.282	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	439221	53.649	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	432523	53.354	ug/l	100
89) n-Butylbenzene	13.70	91	819858	55.044	ug/l	100
90) Hexachloroethane	13.96	117	168709	56.622	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	381172	52.178	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	23565	45.911	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	273628	51.592	ug/l	100
94) Hexachlorobutadiene	15.12	225	173895	54.622	ug/l	99
95) Naphthalene	15.24	128	468462	48.418	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	225010	49.975	ug/l	99

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

